

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

DAIRY FACILITY INFORMATION**A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:** Tri-lest Dairy

Physical address of dairy:

16500 Avenue 14

Number and Street

Madera

City

Madera

County

93637

Zip Code

Street and nearest cross street (if no address): _____

Date facility was originally placed in operation: 01/01/1980Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X043-X105-X001-XXXX

B. OPERATORS

Iest, Danny E.

Operator name: Iest, Danny E.Telephone no.: (559) 908-8079

Landline

Cellular

16500 Avenue 14

Madera

CA

93637

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.**C. OWNERS**

Iest, Danny E.

Legal owner name: Iest, Danny E.Telephone no.: (559) 908-8079

Landline

Cellular

16500 Avenue 14

Madera

CA

93637

Mailing Address Number and Street

City

State

Zip Code

This owner is responsible for paying permit fees.

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	4,225	610	1,950	1,705	650	425
Number under roof	0	0	0	0	0	0
Maximum number	4,300	700	2,100	1,800	700	425
Average number	4,225	610	1,950	1,705	650	425
Avg live weight (lbs)	1,400	1,400	900	650		

Predominant milk cow breed: Holstein

Average milk production: 74 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 158,497.48 tons per reporting period

Total nitrogen from manure: 1,956,030.29 lbs per reporting period

After ammonia losses (30% loss applied): 1,369,221.20 lbs per reporting period

Total phosphorus from manure: 321,933.31 lbs per reporting period

Total potassium from manure: 820,229.78 lbs per reporting period

Total salt from manure: 2,129,610.75 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 143,889,000 gallons

Total nitrogen generated: 249,754.82 lbs

Total phosphorus generated: 64,645.98 lbs

Total potassium generated: 419,066.60 lbs

Total salt generated: 2,015,972.17 lbs

$$\begin{array}{r}
 143,889,000 \text{ gallons applied} \\
 + 0 \text{ gallons exported} \\
 - 0 \text{ gallons imported} \\
 = 143,889,000 \text{ gallons generated}
 \end{array}$$

D. FRESH WATER SOURCES

Source Description	Type
C-Thurber Canal	Surface water
FID	Surface water
Fresno River	Surface water
Siebert Reservoir	Ground water
TID 101	Ground water

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.*

Source Description	Type
TID 102	Ground water
TID 103 Reservoir	Ground water
TID 104	Ground water
TID 109	Ground water
TID 11	Ground water
TID 12 Reservoir	Ground water
TID 121	Ground water
TID 122	Ground water
TID 123	Ground water
TID 124	Ground water
TID 14	Ground water
TID 16	Ground water
TID 18	Ground water
TID 19	Ground water
TID 20	Ground water
TID 24	Ground water
TID 25	Ground water
TID 26	Ground water
TID 28	Ground water
TID 29	Ground water
TID 41	Ground water
TID 44	Ground water
TID 48/78	Ground water
TID 54	Ground water
TID 56	Ground water
TID 58	Ground water
TID 60	Ground water
TID 61	Ground water
TID 62	Ground water
TID 66	Ground water
TID 80	Ground water
TID 90	Ground water
TID 91	Ground water
TID 93	Ground water
TID Reservoir #97	Ground water
TID Reservoir Thurber/#95	Ground water

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

E. SUBSURFACE (TILE) DRAINAGE SOURCES*No subsurface (tile) drainage sources entered.***F. NUTRIENT IMPORTS***No dry manure nutrient imports entered.**No process wastewater nutrient imports entered.*

Date	Material type / Description	Quantity	Reporting basis	Moisture (%)	N (%)	P (%)	K (%)	Salt (%)
04/03/2023	Solid commercial fertilizer 25-0-0-5S	71.64 ton	As-is	0.1	25.000000	0.000000	0.000000	0.000000
05/15/2023	Solid commercial fertilizer 25-0-0-5S	16.32 ton	As-is	0.1	25.000000	0.000000	0.000000	0.000000
06/22/2023	Solid commercial fertilizer 25-0-0-5S	43.10 ton	As-is	0.1	25.000000	0.000000	0.000000	0.000000

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Commercial fertilizer / Other	65,530.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total imports for all materials	65,530.00	0.00	0.00	0.00

G. NUTRIENT EXPORTS

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/29/2023	Separator solids	7,189.00 ton	Dry-weight	34.4		20,000.00	9,200.00	32,400.00		0.00
12/16/2023	Corral solids	4,386.00 ton	Dry-weight	24.8		22,900.00	7,500.00	26,200.00		0.00

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	339,700.22	136,248.19	478,425.22	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	339,700.22	136,248.19	478,425.22	0.00

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

APPLICATION AREA**A. LIST OF LAND APPLICATION AREAS**

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
T1001	77	77	2	process wastewater	X043-X105-X001-XXXX
T1002	76	76	2	process wastewater	X043-X105-X001-XXXX
T1003	16	16	2	process wastewater	X043-X105-X001-XXXX
T1004	65	65	2	both	X043-X105-X001-XXXX
T1005	16	16	2	process wastewater	X043-X105-X001-XXXX
T1006	65	65	2	both	X043-X105-X001-XXXX
T1007	72	72	2	process wastewater	X043-X105-X001-XXXX
T1008	34	34	2	both	X043-X105-X001-XXXX
T1009	30	30	2	both	X043-X105-X001-XXXX
T101	113	113	1	manure	X043-X092-X006-XXXX
T102	95	95	1	manure	X043-X092-X006-XXXX
T103	96	96	1	manure	X043-X092-X006-XXXX
T104	72	72	1	manure	X043-X092-X006-XXXX
T1101	53	53	1	manure	X023-X110-X010-XXXX X023-X110-X011-XXXX X023-X110-X012-XXXX
T1102	48	48	1	manure	X023-X110-X010-XXXX X023-X110-X011-XXXX X023-X110-X012-XXXX
T1103	44	44	1	manure	X023-X110-X013-XXXX X023-X110-X014-XXXX
T1104	49	49	1	manure	X023-X110-X013-XXXX X023-X110-X015-XXXX
T1105	44	44	1	manure	X023-X110-X016-XXXX X023-X110-X017-XXXX
T1106	46	46	1	manure	X023-X110-X016-XXXX X023-X110-X017-XXXX
T1107	152	152	1	manure	X023-X170-X005-XXXX X023-X170-X006-XXXX X023-X170-X007-XXXX X023-X170-X008-XXXX
T1108	141	141	1	manure	X023-X170-X009-XXXX X023-X170-X010-XXXX X023-X170-X011-XXXX

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
T1201	75	75	2	process wastewater	X023-X170-X012-XXXX
T1202	76	76	2	process wastewater	X043-X103-X006-XXXX
T201	76	76	2	manure	X043-X053-X004-XXXX
T202	76	76	2	manure	X043-X053-X004-XXXX
T203	55	55	2	manure	X043-X053-X004-XXXX
T204	71	71	1	manure	X043-X053-X004-XXXX
T205	71	71	1	manure	X043-X053-X003-XXXX
T301	47	47	1	manure	X045-X161-X004-XXXX
T302	49	49	1	manure	X045-X161-X005-XXXX
T303/306	96	96	1	manure	X045-X161-X006-XXXX
T304	48	48	1	manure	X045-X161-X004-XXXX
T305	49	49	1	manure	X045-X161-X006-XXXX
T901	115	115	0	none	X504-X020-X060-XXXX
T902	34	34	0	none	X504-X040-X004-XXXX
T903	79	79	1	none	X504-X020-X028-XXXX
T904	76	76	1	none	X505-X030-X014-XXXX
T905	60	60	1	none	X016-X440-X015-XXXX X016-X460-X042-XXXX
Totals for areas that were used for application	2,193	2,193	47		
Totals for areas that were not used for application	364	364	3		
Land application area totals	2,557	2,557	50		

B. CROPS AND HARVESTS

T1001

Field name: T1001

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1001

09/15/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 77 Plant date: 09/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	1,247.74 ton	As-is		59.6	12,400.00	1,900.00	18,400.00		16.25

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	16.20	401.87	61.58	596.32	2,127.64

06/12/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 06/12/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/22/2023	1,423.42 ton	As-is		60.0	4,800.00	1,000.00	7,200.00		7.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	18.49	177.47	36.97	266.20	1,035.21

T1002

Field name: T1002

09/15/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 76 Plant date: 09/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	1,200.70 ton	As-is		55.5	10,500.00	1,800.00	17,900.00		16.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	15.80	331.77	56.88	565.59	2,334.10

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1002

06/09/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 06/09/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/20/2023	1,675.92 <i>ton</i>	As-is		60.0	4,200.00	900.00	6,600.00		7.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	22.05	185.23	39.69	291.08	1,376.02

T1003

Field name: T1003

09/15/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 16 Plant date: 09/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	330.42 <i>ton</i>	As-is		56.2	10,400.00	1,500.00	15,000.00		13.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	20.65	429.55	61.95	619.54	2,351.76

06/14/2023: Corn, silage

Crop: Corn, silage Acres planted: 16 Plant date: 06/14/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/22/2023	419.16 <i>ton</i>	As-is		67.6	4,800.00	800.00	500.00		7.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	26.20	251.50	41.92	26.20	1,239.25

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1004

Field name: T1004

09/13/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 65 Plant date: 09/13/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	1,086.35 ton	As-is		54.9	11,100.00	1,800.00	17,900.00		15.03

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	16.71	371.03	60.17	598.33	2,265.80

06/14/2023: Tomato

Crop: Tomato Acres planted: 65 Plant date: 06/14/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	3,274.10 ton	As-is		93.0	1,600.00	300.00	2,100.00		11.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	50.37	161.19	30.22	211.56	789.81

T1005

Field name: T1005

09/13/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 16 Plant date: 09/13/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	263.30 ton	As-is		58.0	14,000.00	2,100.00	20,600.00		14.75

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	16.46	460.78	69.12	678.00	2,038.93

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005

06/14/2023: Corn, silage

Crop: Corn, silage Acres planted: 16 Plant date: 06/14/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	379.15 ton	As-is		60.1	4,500.00	600.00	5,700.00		6.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	23.70	213.27	28.44	270.14	1,229.16

T1006

Field name: T1006

09/09/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 65 Plant date: 09/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	1,161.44 ton	As-is		59.7	12,800.00	1,900.00	18,800.00		16.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	17.87	457.43	67.90	671.85	2,333.10

06/06/2023: Tomato

Crop: Tomato Acres planted: 65 Plant date: 06/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/04/2023	4,066.50 ton	As-is		93.0	1,600.00	300.00	2,100.00		11.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	62.56	200.20	37.54	262.76	980.96

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007

Field name: T1007

09/09/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 72 Plant date: 09/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	1,626.49 <i>ton</i>	As-is		60.7	10,800.00	1,900.00	17,900.00		13.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	22.59	487.95	85.84	808.73	2,397.04

06/12/2023: Corn, silage

Crop: Corn, silage Acres planted: 72 Plant date: 06/12/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	1,373.88 <i>ton</i>	As-is		62.4	4,700.00	700.00	4,900.00		6.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	19.08	179.37	26.71	187.00	918.36

T1008

Field name: T1008

09/09/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 34 Plant date: 09/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	637.80 <i>ton</i>	As-is		66.8	10,100.00	1,700.00	14,600.00		14.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	18.76	378.93	63.78	547.76	1,818.56

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1008

06/06/2023: Tomato

Crop: Tomato Acres planted: 34 Plant date: 06/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/08/2023	2,024.00 <i>ton</i>	As-is		93.0	1,600.00	300.00	2,100.00		11.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	59.53	190.49	35.72	250.02	933.42

T1009

Field name: T1009

09/09/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 30 Plant date: 09/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	508.21 <i>ton</i>	As-is		61.0	13,100.00	1,900.00	18,700.00		15.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	16.94	443.84	64.37	633.57	2,100.94

06/05/2023: Tomato

Crop: Tomato Acres planted: 30 Plant date: 06/05/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	1,844.50 <i>ton</i>	As-is		93.0	1,600.00	300.00	2,100.00		11.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	61.48	196.75	36.89	258.23	964.06

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T101

Field name: T101

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 113 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	0.01 ton	As-is		0.1	0.00	0.00	0.00		0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

T102

Field name: T102

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 95 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	0.01 ton	As-is		0.1	0.00	0.00	0.00		0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

T103

Field name: T103

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T103

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 96 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	0.01 <i>ton</i>	As-is		0.1	0.00	0.00	0.00	0.00	0.00

Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)

Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

T104Field name: T104

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 72 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	0.01 <i>ton</i>	As-is		0.1	0.00	0.00	0.00	0.00	0.00

Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)

Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

T1101Field name: T1101

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1101

05/19/2023: Tomato

Crop: Tomato Acres planted: 53 Plant date: 05/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/20/2023	3,981.40 <i>ton</i>	As-is		92.7	1,700.00	200.00	2,900.00		9.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	75.12	255.41	30.05	435.70	1,030.96

T1102

Field name: T1102

05/19/2023: Tomato

Crop: Tomato Acres planted: 48 Plant date: 05/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/20/2023	3,585.00 <i>ton</i>	As-is		93.3	1,400.00	300.00	2,700.00		9.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	74.69	209.13	44.81	403.31	930.76

T1103

Field name: T1103

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1103

05/25/2023: Tomato

Crop: Tomato Acres planted: 44 Plant date: 05/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/23/2023	3,314.00 <i>ton</i>	As-is		93.9	1,600.00	200.00	2,500.00		9.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	75.32	241.02	30.13	376.59	882.13

T1104

Field name: T1104

05/25/2023: Tomato

Crop: Tomato Acres planted: 49 Plant date: 05/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/23/2023	3,659.00 <i>ton</i>	As-is		93.0	1,200.00	300.00	2,800.00		8.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	74.67	179.22	44.80	418.17	899.07

T1105

Field name: T1105

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1105

06/07/2023: Tomato

Crop: Tomato Acres planted: 44 Plant date: 06/07/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/06/2023	2,485.00 <i>ton</i>	As-is		92.6	1,500.00	300.00	2,500.00		8.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	56.48	169.43	33.89	282.39	710.48

T1106

Field name: T1106

01/01/2007: Almond, in shell

Crop: Almond, in shell Acres planted: 46 Plant date: 01/01/2007

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/06/2023	255.33 <i>ton</i>	As-is		7.9	13,000.00	1,500.00	18,300.00		7.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	5.55	144.32	16.65	203.15	736.15

T1107

Field name: T1107

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1107

01/01/2007: Almond, in shell

Crop: Almond, in shell Acres planted: 152 Plant date: 01/01/2007

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/06/2023	655.17 <i>ton</i>	As-is		7.2	13,500.00	1,900.00	20,700.00		6.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	4.31	116.38	16.38	178.45	480.00

T1108

Field name: T1108

01/01/2007: Almond, in shell

Crop: Almond, in shell Acres planted: 141 Plant date: 01/01/2007

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/06/2023	605.63 <i>ton</i>	As-is		6.6	12,300.00	2,000.00	18,000.00		5.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	4.30	105.66	17.18	154.63	449.32

T1201

Field name: T1201

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1201

10/12/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 75 Plant date: 10/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	1,128.65 ton	As-is		71.2	8,700.00	1,300.00	12,100.00		14.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	15.05	261.85	39.13	364.18	1,274.20

06/06/2023: Corn, silage

Crop: Corn, silage Acres planted: 75 Plant date: 06/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	2,291.57 ton	As-is		71.2	4,200.00	700.00	4,400.00		6.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	30.55	256.66	42.78	268.88	1,196.75

T1202

Field name: T1202

10/12/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 76 Plant date: 10/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	727.45 ton	As-is		53.4	16,300.00	2,500.00	23,800.00		14.75

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	9.57	312.04	47.86	455.61	1,315.82

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1202

05/15/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 05/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/02/2023	1,696.33 <i>ton</i>	As-is		62.3	4,900.00	700.00	6,600.00		9.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.00	232.20	43.20	178.20	0.00
Total actual harvest content	22.32	218.74	31.25	294.63	1,666.11

T201

Field name: T201

11/14/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 76 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/07/2023	869.86 <i>ton</i>	As-is		51.9	12,400.00	2,400.00	18,800.00		12.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	11.45	283.85	54.94	430.35	1,398.35

06/09/2023: Tomato

Crop: Tomato Acres planted: 76 Plant date: 06/09/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	3,332.70 <i>ton</i>	As-is		93.7	1,600.00	300.00	2,300.00		12.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	43.85	140.32	26.31	201.72	674.08

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T202

Field name: T202

11/14/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 76 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/07/2023	778.78 ton	As-is		51.9	12,400.00	2,300.00	17,900.00		12.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	10.25	254.13	47.14	366.85	1,202.64

06/09/2023: Tomato

Crop: Tomato Acres planted: 76 Plant date: 06/09/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	3,281.50 ton	As-is		94.0	1,800.00	300.00	2,600.00		13.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	43.18	155.44	25.91	224.52	709.84

T203

Field name: T203

11/14/2022: Rye Grass Silage

Crop: Rye Grass Silage Acres planted: 55 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/02/2023	457.83 ton	As-is		51.1	10,600.00	2,400.00	20,500.00		12.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	226.80	36.00	149.40	0.00
Total actual harvest content	8.32	176.47	39.96	341.29	1,033.91

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T203

05/30/2023: Tomato

Crop: Tomato Acres planted: 55 Plant date: 05/30/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/11/2023	2,815.00 <i>ton</i>	As-is		94.0	1,800.00	300.00	2,600.00		13.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	65.00	208.00	39.00	312.00	0.00
Total actual harvest content	51.18	184.25	30.71	266.15	841.43

T204

Field name: T204

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 71 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	290.50 <i>ton</i>	As-is		6.0	17,100.00	2,700.00	32,300.00		9.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	4.09	139.93	22.09	264.31	715.37

T205

Field name: T205

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T205

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 71 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	284.50 <i>ton</i>	As-is		6.0	17,100.00	2,700.00	32,300.00		9.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	4.01	137.04	21.64	258.85	700.59

T301Field name: T301

01/01/1995: Almond, in shell

Crop: Almond, in shell Acres planted: 47 Plant date: 01/01/1995

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	238.08 <i>ton</i>	As-is		8.0	15,800.00	2,200.00	25,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	5.07	160.07	22.29	253.28	624.48

T302Field name: T302

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T302

01/01/1991: Almond, in shell

Crop: Almond, in shell Acres planted: 49 Plant date: 01/01/1991

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	251.37 <i>ton</i>	As-is		8.0	15,800.00	2,200.00	25,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	5.13	162.11	22.57	256.50	632.43

T303/306

Field name: T303/306

01/01/2006: Almond, in shell

Crop: Almond, in shell Acres planted: 96 Plant date: 01/01/2006

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	493.54 <i>ton</i>	As-is		8.0	15,800.00	2,200.00	25,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	5.14	162.46	22.62	257.05	633.79

T304

Field name: T304

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T304

01/01/2006: Almond, in shell

Crop: Almond, in shell Acres planted: 48 Plant date: 01/01/2006

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	244.13 <i>ton</i>	As-is		8.0	15,800.00	2,200.00	25,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	5.09	160.72	22.38	254.30	627.01

T305

Field name: T305

01/01/2007: Almond, in shell

Crop: Almond, in shell Acres planted: 49 Plant date: 01/01/2007

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	247.79 <i>ton</i>	As-is		8.0	15,800.00	2,200.00	25,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	5.06	159.80	22.25	252.85	623.42

T903

Field name: T903

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T903

01/01/2015: Almond, in shell

Crop: Almond, in shell Acres planted: 79 Plant date: 01/01/2015

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	255.33 <i>ton</i>	As-is		10.2	9,500.00	1,800.00	19,000.00		7.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	3.23	61.41	11.64	122.82	441.16

T904

Field name: T904

01/01/2018: Almond, in shell

Crop: Almond, in shell Acres planted: 76 Plant date: 01/01/2018

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/13/2023	244.13 <i>ton</i>	As-is		8.9	11,200.00	2,000.00	18,000.00		7.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	3.21	71.95	12.85	115.64	427.25

T905

Field name: T905

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.*

T905

01/01/2022: Almond, in shell

Crop: Almond, in shell Acres planted: 60 Plant date: 01/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	0.01 <i>ton</i>	As-is		0.1	0.00	0.00	0.00		0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	5.00	149.00	18.00	141.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT BUDGET

A. LAND APPLICATIONS

T1001 - 09/15/2022: Rye Grass Silage

Field name: T1001

Crop: Rye Grass Silage Plant date: 09/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/13/2022	Surface (irrigation)	No precipitation		No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	119.14	28.76	131.47	948.08	5,832,000.00 gal
TID 101	Ground water	1.83	0.00	0.00	510.38	8,262,000.00 gal
TID 109	Ground water	15.69	0.00	0.00	499.22	6,580,440.00 gal
Application event totals		136.66	28.76	131.47	1,957.68	
01/19/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	82.43	31.50	368.55	1,167.74	5,256,000.00 gal
TID 101	Ground water	1.65	0.00	0.00	459.97	7,446,000.00 gal
TID 109	Ground water	14.14	0.00	0.00	449.91	5,930,520.00 gal
Application event totals		98.21	31.50	368.55	2,077.62	
03/23/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	127.34	29.67	137.30	839.93	4,968,000.00 gal
TID 101	Ground water	1.56	0.00	0.00	434.77	7,038,000.00 gal
TID 109	Ground water	13.37	0.00	0.00	425.26	5,605,560.00 gal
Application event totals		142.26	29.67	137.30	1,699.96	

T1001 - 06/12/2023: Corn, silage

Field name: T1001

Crop: Corn, silage Plant date: 06/12/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1001 - 06/12/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	2.07	0.00	0.00	579.69	9,384,000.00 gal
TID 103 Reservoir	Ground water	8.26	0.00	0.00	436.71	5,520,000.00 gal
Application event totals		10.33	0.00	0.00	1,016.41	
06/12/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	61.13	14.24	65.91	403.23	2,385,000.00 gal
TID 101	Ground water	1.80	0.00	0.00	504.08	8,160,000.00 gal
TID 103 Reservoir	Ground water	7.18	0.00	0.00	379.75	4,800,000.00 gal
Application event totals		70.11	14.24	65.91	1,287.06	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 109	Ground water	16.27	0.00	0.00	517.71	6,824,160.00 gal
TID 103 Reservoir	Ground water	7.54	0.00	0.00	398.74	5,040,000.00 gal
Application event totals		23.81	0.00	0.00	916.44	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	89.70	18.07	61.36	408.20	2,430,000.00 gal
TID 101	Ground water	1.83	0.00	0.00	510.38	8,262,000.00 gal
TID 103 Reservoir	Ground water	7.27	0.00	0.00	384.50	4,860,000.00 gal
Application event totals		98.79	18.07	61.36	1,303.08	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1001 - 06/12/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.67	0.00	0.00	466.28	7,548,000.00 gal
TID 103 Reservoir	Ground water	6.64	0.00	0.00	351.27	4,440,000.00 gal
Application event totals		8.31	0.00	0.00	817.55	
08/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.71	0.00	0.00	478.88	7,752,000.00 gal
TID 103 Reservoir	Ground water	6.82	0.00	0.00	360.76	4,560,000.00 gal
Application event totals		8.53	0.00	0.00	839.64	

T1002 - 09/15/2022: Rye Grass Silage

Field name: T1002

Crop: Rye Grass Silage

Plant date: 09/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/19/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	107.30	25.90	118.40	853.83	5,184,000.00 gal
TID 101	Ground water	1.65	0.00	0.00	459.64	7,344,000.00 gal
TID 109	Ground water	14.13	0.00	0.00	449.59	5,849,280.00 gal
Application event totals		123.07	25.90	118.40	1,763.05	
01/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	77.79	29.73	347.82	1,102.07	4,896,000.00 gal
TID 101	Ground water	1.55	0.00	0.00	434.11	6,936,000.00 gal
TID 109	Ground water	13.34	0.00	0.00	424.61	5,524,320.00 gal
Application event totals		92.69	29.73	347.82	1,960.78	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1002 - 09/15/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/27/2023	Surface (irrigation)	No precipitation	Light rain		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	115.92	27.01	124.99	764.65
TID 101	Ground water	1.42	0.00	0.00	395.80
TID 109	Ground water	12.17	0.00	0.00	387.14
Application event totals		129.51	27.01	124.99	1,547.60

T1002 - 06/09/2023: Corn, silage

Field name: T1002

Crop: Corn, silage

Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 101	Ground water	2.15	0.00	0.00	600.09
TID 103 Reservoir	Ground water	8.55	0.00	0.00	452.08
Application event totals		10.69	0.00	0.00	1,052.17
06/09/2023	Sidedress	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00
Application event totals		20.00	0.00	0.00	0.00
06/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	66.61	15.52	71.82	439.36
TID 101	Ground water	1.94	0.00	0.00	542.63
TID 103 Reservoir	Ground water	7.73	0.00	0.00	408.80
Application event totals		76.28	15.52	71.82	1,390.79

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1002 - 06/09/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.83	0.00	0.00	510.71	8,160,000.00 gal
TID 103 Reservoir	Ground water	7.27	0.00	0.00	384.75	4,800,000.00 gal
Application event totals		9.10	0.00	0.00	895.46	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	82.46	16.61	56.41	375.28	2,205,000.00 gal
TID 101	Ground water	1.69	0.00	0.00	472.41	7,548,000.00 gal
TID 103 Reservoir	Ground water	6.73	0.00	0.00	355.89	4,440,000.00 gal
Application event totals		90.88	16.61	56.41	1,203.58	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.80	0.00	0.00	504.33	8,058,000.00 gal
TID 103 Reservoir	Ground water	7.18	0.00	0.00	379.94	4,740,000.00 gal
Application event totals		8.99	0.00	0.00	884.27	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.62	0.00	0.00	453.26	7,242,000.00 gal
TID 109	Ground water	13.93	0.00	0.00	443.34	5,768,040.00 gal
Application event totals		15.56	0.00	0.00	896.60	

T1003 - 09/15/2022: Rye Grass Silage

Field name: T1003

Crop: Rye Grass Silage

Plant date: 09/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1003 - 09/15/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/23/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	132.72	32.04	146.45	1,056.16	1,350,000.00 gal
TID 109	Ground water	27.97	0.00	0.00	889.81	2,437,200.00 gal
Application event totals		160.69	32.04	146.45	1,945.97	
01/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	88.30	33.75	394.82	1,250.97	1,170,000.00 gal
TID 109	Ground water	24.24	0.00	0.00	771.17	2,112,240.00 gal
Application event totals		112.54	33.75	394.82	2,022.13	
04/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	150.98	35.18	162.79	995.89	1,224,000.00 gal
TID 101	Ground water	1.84	0.00	0.00	515.50	1,734,000.00 gal
TID 109	Ground water	15.85	0.00	0.00	504.22	1,381,080.00 gal
Application event totals		168.67	35.18	162.79	2,015.62	

T1003 - 06/14/2023: Corn, silage

Field name: T1003

Crop: Corn, silage

Plant date: 06/14/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.74	0.00	0.00	485.18	1,632,000.00 gal
TID 103 Reservoir	Ground water	6.91	0.00	0.00	365.51	960,000.00 gal
Application event totals		8.65	0.00	0.00	850.69	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1003 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/09/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	
06/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	83.26	19.40	89.77	549.21	675,000.00 gal
TID 101	Ground water	1.63	0.00	0.00	454.85	1,530,000.00 gal
TID 109	Ground water	13.98	0.00	0.00	444.90	1,218,600.00 gal
Application event totals		98.87	19.40	89.77	1,448.96	
07/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.30	0.00	0.00	363.88	1,224,000.00 gal
TID 103 Reservoir	Ground water	5.18	0.00	0.00	274.13	720,000.00 gal
Application event totals		6.48	0.00	0.00	638.02	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.47	0.00	0.00	409.37	1,377,000.00 gal
TID 103 Reservoir	Ground water	5.83	0.00	0.00	308.40	810,000.00 gal
Application event totals		7.30	0.00	0.00	717.77	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	103.92	20.93	71.09	472.93	585,000.00 gal
TID 101	Ground water	1.41	0.00	0.00	394.21	1,326,000.00 gal
TID 109	Ground water	12.12	0.00	0.00	385.58	1,056,120.00 gal
Application event totals		117.45	20.93	71.09	1,252.72	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1003 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.52	0.00	0.00	424.53	1,428,000.00 gal
TID 103 Reservoir	Ground water	6.05	0.00	0.00	319.82	840,000.00 gal
Application event totals		7.57	0.00	0.00	744.35	
08/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.30	0.00	0.00	363.88	1,224,000.00 gal
TID 103 Reservoir	Ground water	5.18	0.00	0.00	274.13	720,000.00 gal
Application event totals		6.48	0.00	0.00	638.02	

T1004 - 09/13/2022: Rye Grass Silage

Field name: T1004

Crop: Rye Grass Silage

Plant date: 09/13/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/25/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	90.61	21.87	99.98	721.01	3,744,000.00 gal
TID 90	Ground water	6.31	0.00	0.00	264.49	4,430,400.00 gal
TID 101	Ground water	1.39	0.00	0.00	388.14	5,304,000.00 gal
Application event totals		98.31	21.87	99.98	1,373.64	
01/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	80.25	30.67	358.84	1,136.97	4,320,000.00 gal
TID 90	Ground water	7.28	0.00	0.00	305.18	5,112,000.00 gal
TID 101	Ground water	1.60	0.00	0.00	447.86	6,120,000.00 gal
Application event totals		89.14	30.67	358.84	1,890.01	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1004 - 09/13/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	122.42	28.52	132.00	807.53
TID 90	Ground water	6.80	0.00	0.00	284.84
TID 101	Ground water	1.50	0.00	0.00	418.00
Application event totals		130.72	28.52	132.00	1,510.36

T1004 - 06/14/2023: Tomato

Field name: T1004

Crop: Tomato

Plant date: 06/14/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 101	Ground water	1.20	0.00	0.00	335.89
TID 103 Reservoir	Ground water	4.78	0.00	0.00	253.05
Application event totals		5.99	0.00	0.00	588.94
05/22/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Drying Solids	Separator solids	131.20	60.35	212.54	0.00
Application event totals		131.20	60.35	212.54	0.00
06/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 101	Ground water	1.12	0.00	0.00	313.50
TID 103 Reservoir	Ground water	4.46	0.00	0.00	236.18
Application event totals		5.59	0.00	0.00	549.68

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1004 - 06/14/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	0.99	0.00	0.00	276.18	3,774,000.00 gal
TID 103 Reservoir	Ground water	3.93	0.00	0.00	208.06	2,220,000.00 gal
Application event totals		4.92	0.00	0.00	484.24	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 101	Ground water	1.07	0.00	0.00	298.57	4,080,000.00 gal
TID 103 Reservoir	Ground water	3.93	0.00	0.00	208.06	2,220,000.00 gal
Application event totals		35.00	0.00	0.00	506.63	
08/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	0.96	0.00	0.00	268.71	3,672,000.00 gal
TID 103 Reservoir	Ground water	3.83	0.00	0.00	202.44	2,160,000.00 gal
Application event totals		4.79	0.00	0.00	471.15	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	0.85	0.00	0.00	238.86	3,264,000.00 gal
TID 103 Reservoir	Ground water	3.40	0.00	0.00	179.94	1,920,000.00 gal
Application event totals		4.26	0.00	0.00	418.80	
08/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	0.80	0.00	0.00	223.93	3,060,000.00 gal
TID 103 Reservoir	Ground water	3.19	0.00	0.00	168.70	1,800,000.00 gal
Application event totals		3.99	0.00	0.00	392.63	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1004 - 06/14/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	0.75	0.00	0.00	209.00	2,856,000.00 gal
TID 103 Reservoir	Ground water	2.98	0.00	0.00	157.45	1,680,000.00 gal
Application event totals		3.72	0.00	0.00	366.45	
09/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	0.67	0.00	0.00	186.61	2,550,000.00 gal
TID 103 Reservoir	Ground water	2.66	0.00	0.00	140.58	1,500,000.00 gal
Application event totals		3.33	0.00	0.00	327.19	

T1005 - 09/13/2022: Rye Grass Silage

Field name: T1005

Crop: Rye Grass Silage

Plant date: 09/13/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/28/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	141.57	34.17	156.22	1,126.58	1,440,000.00 gal
TID 90	Ground water	15.78	0.00	0.00	661.22	2,726,400.00 gal
Application event totals		157.36	34.17	156.22	1,787.80	
02/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	81.51	31.15	364.45	1,154.74	1,080,000.00 gal
TID 90	Ground water	11.84	0.00	0.00	495.92	2,044,800.00 gal
Application event totals		93.35	31.15	364.45	1,650.66	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005 - 09/13/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	142.10	33.11	153.21	937.31
TID 80	Ground water	16.68	0.00	0.00	571.04
TID 90	Ground water	7.89	0.00	0.00	330.61
Application event totals		166.67	33.11	153.21	1,838.96

T1005 - 06/14/2023: Corn, silage

Field name: T1005

Crop: Corn, silage

Plant date: 06/14/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
06/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 101	Ground water	1.84	0.00	0.00	515.50
TID 103 Reservoir	Ground water	7.34	0.00	0.00	388.36
Application event totals		9.19	0.00	0.00	903.86
06/14/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00
Application event totals		20.00	0.00	0.00	0.00
06/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 90	Ground water	6.91	0.00	0.00	289.29
TID 103 Reservoir	Ground water	6.05	0.00	0.00	319.82
Application event totals		12.95	0.00	0.00	609.11

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	79.94	16.10	54.69	363.79	450,000.00 gal
TID 90	Ground water	6.41	0.00	0.00	268.62	1,107,600.00 gal
TID 103 Reservoir	Ground water	5.61	0.00	0.00	296.98	780,000.00 gal
Application event totals		91.97	16.10	54.69	929.39	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	6.17	0.00	0.00	258.29	1,065,000.00 gal
TID 103 Reservoir	Ground water	5.40	0.00	0.00	285.56	750,000.00 gal
Application event totals		11.56	0.00	0.00	543.85	
08/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.63	0.00	0.00	454.85	1,530,000.00 gal
TID 103 Reservoir	Ground water	6.48	0.00	0.00	342.67	900,000.00 gal
Application event totals		8.11	0.00	0.00	797.52	
08/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	95.93	19.32	65.62	436.55	540,000.00 gal
TID 90	Ground water	5.92	0.00	0.00	247.96	1,022,400.00 gal
TID 103 Reservoir	Ground water	5.18	0.00	0.00	274.13	720,000.00 gal
Application event totals		107.03	19.32	65.62	958.64	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.41	0.00	0.00	394.21	1,326,000.00 gal
TID 103 Reservoir	Ground water	5.61	0.00	0.00	296.98	780,000.00 gal
Application event totals		7.02	0.00	0.00	691.19	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	5.43	0.00	0.00	227.30	937,200.00 gal
TID 103 Reservoir	Ground water	4.75	0.00	0.00	251.29	660,000.00 gal
Application event totals		10.18	0.00	0.00	478.58	

T1006 - 09/09/2022: Rye Grass Silage

Field name: T1006

Crop: Rye Grass Silage Plant date: 09/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/29/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	97.58	23.55	107.67	776.47	4,032,000.00 gal
TID 90	Ground water	6.80	0.00	0.00	284.84	4,771,200.00 gal
TID 101	Ground water	1.50	0.00	0.00	418.00	5,712,000.00 gal
Application event totals		105.87	23.55	107.67	1,479.31	
02/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	89.62	34.25	400.70	1,269.62	4,824,000.00 gal
TID 90	Ground water	8.13	0.00	0.00	340.78	5,708,400.00 gal
TID 101	Ground water	1.79	0.00	0.00	500.11	6,834,000.00 gal
Application event totals		99.54	34.25	400.70	2,110.51	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1006 - 09/09/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	113.68	26.49	122.57	749.85
TID 90	Ground water	6.31	0.00	0.00	264.49
TID 101	Ground water	1.39	0.00	0.00	388.14
Application event totals		121.38	26.49	122.57	1,402.48

T1006 - 06/06/2023: Tomato

Field name: T1006

Crop: Tomato

Plant date: 06/06/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/13/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Drying Solids	Separator solids	157.44	72.42	255.05	0.00
Application event totals		157.44	72.42	255.05	0.00
05/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 90	Ground water	6.68	0.00	0.00	279.75
TID 103 Reservoir	Ground water	5.85	0.00	0.00	309.28
Application event totals		12.52	0.00	0.00	589.03
06/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 101	Ground water	1.12	0.00	0.00	313.50
TID 103 Reservoir	Ground water	4.46	0.00	0.00	236.18
Application event totals		5.59	0.00	0.00	549.68

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1006 - 06/06/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	4.61	0.00	0.00	193.28	3,237,600.00 gal
TID 103 Reservoir	Ground water	4.04	0.00	0.00	213.68	2,280,000.00 gal
Application event totals		8.65	0.00	0.00	406.96	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 101	Ground water	1.15	0.00	0.00	320.96	4,386,000.00 gal
TID 103 Reservoir	Ground water	4.57	0.00	0.00	241.80	2,580,000.00 gal
Application event totals		35.72	0.00	0.00	562.76	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	4.98	0.00	0.00	208.54	3,493,200.00 gal
TID 103 Reservoir	Ground water	4.36	0.00	0.00	230.55	2,460,000.00 gal
Application event totals		9.34	0.00	0.00	439.09	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	4.74	0.00	0.00	198.37	3,322,800.00 gal
TID 103 Reservoir	Ground water	4.15	0.00	0.00	219.31	2,340,000.00 gal
Application event totals		8.88	0.00	0.00	417.67	
08/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.76	0.00	0.00	157.68	2,641,200.00 gal
TID 103 Reservoir	Ground water	3.30	0.00	0.00	174.32	1,860,000.00 gal
Application event totals		7.06	0.00	0.00	332.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1006 - 06/06/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.40	0.00	0.00	142.42	2,385,600.00 gal
TID 103 Reservoir	Ground water	2.98	0.00	0.00	157.45	1,680,000.00 gal
Application event totals		6.38	0.00	0.00	299.87	
09/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.16	0.00	0.00	132.24	2,215,200.00 gal
TID 103 Reservoir	Ground water	2.76	0.00	0.00	146.20	1,560,000.00 gal
Application event totals		5.92	0.00	0.00	278.45	

T1007 - 09/09/2022: Rye Grass Silage

Field name: T1007

Crop: Rye Grass Silage

Plant date: 09/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/02/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	105.39	25.44	116.30	838.67	4,824,000.00 gal
TID 80	Ground water	15.52	0.00	0.00	531.38	5,209,920.00 gal
TID 90	Ground water	7.34	0.00	0.00	307.65	5,708,400.00 gal
Application event totals		128.26	25.44	116.30	1,677.71	
01/12/2023	Surface (irrigation)	No precipitation	Light rain		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	85.73	32.76	383.34	1,214.61	5,112,000.00 gal
TID 80	Ground water	16.45	0.00	0.00	563.11	5,520,960.00 gal
TID 90	Ground water	7.78	0.00	0.00	326.02	6,049,200.00 gal
Application event totals		109.96	32.76	383.34	2,103.74	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007 - 09/09/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	136.18	31.73	146.83	898.26
TID 80	Ground water	15.98	0.00	0.00	547.25
TID 90	Ground water	7.56	0.00	0.00	316.84
Application event totals		159.72	31.73	146.83	1,762.34

T1007 - 06/12/2023: Corn, silage

Field name: T1007

Crop: Corn, silage

Plant date: 06/12/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/29/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 101	Ground water	1.76	0.00	0.00	491.92
TID 103 Reservoir	Ground water	7.01	0.00	0.00	370.59
Application event totals		8.77	0.00	0.00	862.50
06/12/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00
Application event totals		20.00	0.00	0.00	0.00
06/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 90	Ground water	7.34	0.00	0.00	307.65
TID 103 Reservoir	Ground water	6.43	0.00	0.00	340.13
Application event totals		13.77	0.00	0.00	647.78

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007 - 06/12/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	72.83	14.67	49.82	331.45	1,845,000.00 gal
TID 101	Ground water	1.50	0.00	0.00	417.79	6,324,000.00 gal
TID 90	Ground water	6.80	0.00	0.00	284.69	5,282,400.00 gal
Application event totals		81.13	14.67	49.82	1,033.94	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.33	0.00	0.00	371.49	5,623,200.00 gal
TID 103 Reservoir	Ground water	6.33	0.00	0.00	335.05	3,960,000.00 gal
Application event totals		7.66	0.00	0.00	706.55	
08/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	6.36	0.00	0.00	266.33	4,941,600.00 gal
TID 103 Reservoir	Ground water	5.57	0.00	0.00	294.44	3,480,000.00 gal
Application event totals		11.92	0.00	0.00	560.77	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	63.95	12.88	43.75	291.03	1,620,000.00 gal
TID 90	Ground water	5.92	0.00	0.00	247.96	4,600,800.00 gal
TID 101	Ground water	1.30	0.00	0.00	363.88	5,508,000.00 gal
Application event totals		71.17	12.88	43.75	902.87	
08/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	6.14	0.00	0.00	257.14	4,771,200.00 gal
TID 103 Reservoir	Ground water	5.37	0.00	0.00	284.29	3,360,000.00 gal
Application event totals		11.51	0.00	0.00	541.43	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007 - 06/12/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 101	Ground water	1.16	0.00	0.00	323.45	4,896,000.00 gal
TID 103 Reservoir	Ground water	4.61	0.00	0.00	243.67	2,880,000.00 gal
Application event totals		5.76	0.00	0.00	567.13	

T1008 - 09/09/2022: Rye Grass Silage

Field name: T1008

Crop: Rye Grass Silage Plant date: 09/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/05/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	113.26	27.34	124.97	901.26	2,448,000.00 gal
TID 80	Ground water	16.68	0.00	0.00	571.04	2,643,840.00 gal
TID 90	Ground water	7.89	0.00	0.00	330.61	2,896,800.00 gal
Application event totals		137.83	27.34	124.97	1,802.91	
02/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	97.17	37.14	434.48	1,376.63	2,736,000.00 gal
TID 80	Ground water	18.64	0.00	0.00	638.22	2,954,880.00 gal
TID 90	Ground water	8.82	0.00	0.00	369.51	3,237,600.00 gal
Application event totals		124.63	37.14	434.48	2,384.36	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1008 - 09/09/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	125.38	29.21	135.19	827.04
TID 80	Ground water	14.71	0.00	0.00	503.86
TID 90	Ground water	6.96	0.00	0.00	291.72
Application event totals		147.06	29.21	135.19	1,622.61

T1008 - 06/06/2023: Tomato

Field name: T1008

Crop: Tomato

Plant date: 06/06/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/10/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Drying Solids	Separator solids	131.20	60.35	212.54	0.00
Application event totals		131.20	60.35	212.54	0.00
05/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 90	Ground water	5.57	0.00	0.00	233.37
TID 103 Reservoir	Ground water	4.88	0.00	0.00	258.01
Application event totals		10.45	0.00	0.00	491.38
06/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 90	Ground water	6.04	0.00	0.00	252.82
TID 103 Reservoir	Ground water	5.28	0.00	0.00	279.51
Application event totals		11.32	0.00	0.00	532.33

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1008 - 06/06/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	5.34	0.00	0.00	223.65	1,959,600.00 gal
TID 103 Reservoir	Ground water	4.67	0.00	0.00	247.26	1,380,000.00 gal
Application event totals		10.01	0.00	0.00	470.91	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 80	Ground water	12.26	0.00	0.00	419.88	1,944,000.00 gal
TID 103 Reservoir	Ground water	5.08	0.00	0.00	268.76	1,500,000.00 gal
Application event totals		47.34	0.00	0.00	688.64	
07/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	4.87	0.00	0.00	204.20	1,789,200.00 gal
TID 103 Reservoir	Ground water	4.27	0.00	0.00	225.76	1,260,000.00 gal
Application event totals		9.14	0.00	0.00	429.96	
08/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 80	Ground water	9.32	0.00	0.00	319.11	1,477,440.00 gal
TID 103 Reservoir	Ground water	3.86	0.00	0.00	204.26	1,140,000.00 gal
Application event totals		13.18	0.00	0.00	523.37	
08/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.95	0.00	0.00	165.31	1,448,400.00 gal
TID 103 Reservoir	Ground water	3.45	0.00	0.00	182.76	1,020,000.00 gal
Application event totals		7.40	0.00	0.00	348.06	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1008 - 06/06/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.25	0.00	0.00	136.13	1,192,800.00 gal
TID 103 Reservoir	Ground water	2.85	0.00	0.00	150.50	840,000.00 gal
Application event totals		6.09	0.00	0.00	286.64	
09/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.48	0.00	0.00	145.86	1,278,000.00 gal
TID 103 Reservoir	Ground water	3.05	0.00	0.00	161.25	900,000.00 gal
Application event totals		6.53	0.00	0.00	307.11	

T1009 - 09/09/2022: Rye Grass Silage

Field name: T1009

Crop: Rye Grass Silage

Plant date: 09/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/07/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	105.71	25.52	116.64	841.18	2,016,000.00 gal
TID 62	Ground water	16.95	0.00	0.00	621.80	2,353,000.00 gal
TID 80	Ground water	15.57	0.00	0.00	532.97	2,177,280.00 gal
Application event totals		138.23	25.52	116.64	1,995.94	
02/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	101.43	38.76	453.53	1,437.01	2,520,000.00 gal
TID 62	Ground water	21.18	0.00	0.00	776.92	2,940,000.00 gal
TID 90	Ground water	9.21	0.00	0.00	385.71	2,982,000.00 gal
Application event totals		131.82	38.76	453.53	2,599.64	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1009 - 09/09/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	104.21	24.28	112.36	687.36
TID 62	Ground water	13.31	0.00	0.00	488.35
TID 90	Ground water	5.79	0.00	0.00	242.45
Application event totals		123.31	24.28	112.36	1,418.16

T1009 - 06/05/2023: Tomato

Field name: T1009

Crop: Tomato

Plant date: 06/05/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/11/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Drying Solids	Separator solids	139.95	64.38	226.71	0.00
Application event totals		139.95	64.38	226.71	0.00
05/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 62	Ground water	12.10	0.00	0.00	443.95
TID 103 Reservoir	Ground water	4.61	0.00	0.00	243.67
Application event totals		16.71	0.00	0.00	687.63
06/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 90	Ground water	5.79	0.00	0.00	242.45
TID 103 Reservoir	Ground water	5.07	0.00	0.00	268.04
Application event totals		10.85	0.00	0.00	510.49

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1009 - 06/05/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	5.00	0.00	0.00	209.39	1,618,800.00 gal
TID 103 Reservoir	Ground water	4.38	0.00	0.00	231.49	1,140,000.00 gal
Application event totals		9.37	0.00	0.00	440.88	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 101	Ground water	1.22	0.00	0.00	339.62	2,142,000.00 gal
TID 103 Reservoir	Ground water	4.84	0.00	0.00	255.86	1,260,000.00 gal
Application event totals		36.05	0.00	0.00	595.48	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 62	Ground water	10.89	0.00	0.00	399.56	1,512,000.00 gal
TID 90	Ground water	4.74	0.00	0.00	198.37	1,533,600.00 gal
Application event totals		15.63	0.00	0.00	597.93	
08/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 62	Ground water	10.29	0.00	0.00	377.36	1,428,000.00 gal
TID 103 Reservoir	Ground water	3.92	0.00	0.00	207.12	1,020,000.00 gal
Application event totals		14.20	0.00	0.00	584.48	
08/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.95	0.00	0.00	165.31	1,278,000.00 gal
TID 103 Reservoir	Ground water	3.45	0.00	0.00	182.76	900,000.00 gal
Application event totals		7.40	0.00	0.00	348.06	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1009 - 06/05/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.16	0.00	0.00	132.24	1,022,400.00 gal
TID 103 Reservoir	Ground water	2.76	0.00	0.00	146.20	720,000.00 gal
Application event totals		5.92	0.00	0.00	278.45	
09/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 90	Ground water	3.42	0.00	0.00	143.27	1,107,600.00 gal
TID 103 Reservoir	Ground water	2.99	0.00	0.00	158.39	780,000.00 gal
Application event totals		6.41	0.00	0.00	301.65	

T101 - 01/01/2020: Almond, in shell

Field name: T101

Crop: Almond, in shell

Plant date: 01/01/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/12/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	82.05	30.91	166.34	0.00	451.00 ton
Application event totals		82.05	30.91	166.34	0.00	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 16	Ground water	11.82	0.00	0.00	2,965.61	63,742,000.00 gal
TID 12 Reservoir	Ground water	14.60	0.00	0.00	1,990.35	42,780,000.00 gal
Application event totals		26.41	0.00	0.00	4,955.96	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T101 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/03/2023	Sidedress	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00
Application event totals		20.00	0.00	0.00	0.00

T102 - 01/01/2020: Almond, in shellField name: T102Crop: Almond, in shellPlant date: 01/01/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Drying Solids	Separator solids	82.23	30.98	166.71	0.00
Application event totals		82.23	30.98	166.71	0.00
04/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 16	Ground water	11.93	0.00	0.00	2,993.20
TID 12 Reservoir	Ground water	14.73	0.00	0.00	2,008.86
Application event totals		26.66	0.00	0.00	5,002.06
04/04/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Amount
25-0-0-5S	Solid commercial fertilizer	20.00	0.00	0.00	0.00
Application event totals		20.00	0.00	0.00	0.00

T103 - 01/01/2020: Almond, in shellField name: T103Crop: Almond, in shellPlant date: 01/01/2020

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T103 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/15/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	82.01	30.90	166.27	0.00	383.00 ton
Application event totals		82.01	30.90	166.27	0.00	
04/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 102	Ground water	20.04	0.00	0.00	4,053.13	64,759,440.00 gal
TID 12 Reservoir	Ground water	11.52	0.00	0.00	1,570.63	28,680,000.00 gal
Application event totals		31.56	0.00	0.00	5,623.76	
04/05/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

T104 - 01/01/2020: Almond, in shell

Field name:	T104					Plant date:	01/01/2020
Crop:	Almond, in shell						
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following		
10/14/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Drying Solids	Separator solids	81.66	30.76	165.55	0.00	286.00 ton	
Application event totals		81.66	30.76	165.55	0.00		

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T104 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 41	Ground water	31.64	0.00	0.00	2,871.54	46,746,000.00 gal
TID 12 Reservoir	Ground water	11.92	0.00	0.00	1,625.40	22,260,000.00 gal
Application event totals		43.56	0.00	0.00	4,496.93	
04/06/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

T1101 - 05/19/2023: Tomato

Field name: T1101

Crop: Tomato

Plant date: 05/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/25/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	206.95	95.20	335.26	0.00	418.00 ton
Application event totals		206.95	95.20	335.26	0.00	
05/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	5.46	0.00	0.00	170.95	2,310,000.00 gal
TID Reservoir Thurber/#95	Ground water	2.03	0.00	0.00	150.68	3,300,000.00 gal
Application event totals		7.48	0.00	0.00	321.63	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1101 - 05/19/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	5.16	0.00	0.00	161.62	2,184,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.92	0.00	0.00	142.46	3,120,000.00 gal
Application event totals		7.07	0.00	0.00	304.09	
06/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	4.66	0.00	0.00	146.08	1,974,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.73	0.00	0.00	128.76	2,820,000.00 gal
Application event totals		6.39	0.00	0.00	274.85	
06/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
TID 26	Ground water	4.96	0.00	0.00	155.41	2,100,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.84	0.00	0.00	136.98	3,000,000.00 gal
Application event totals		46.80	0.00	0.00	292.39	
07/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	4.56	0.00	0.00	142.97	1,932,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.69	0.00	0.00	126.03	2,760,000.00 gal
Application event totals		6.26	0.00	0.00	269.00	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	4.17	0.00	0.00	130.54	1,764,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.55	0.00	0.00	115.07	2,520,000.00 gal
Application event totals		5.71	0.00	0.00	245.61	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1101 - 05/19/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	3.97	0.00	0.00	124.32	1,680,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.47	0.00	0.00	109.59	2,400,000.00 gal
Application event totals		5.44	0.00	0.00	233.91	
08/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	3.77	0.00	0.00	118.11	1,596,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.40	0.00	0.00	104.11	2,280,000.00 gal
Application event totals		5.17	0.00	0.00	222.22	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 26	Ground water	3.47	0.00	0.00	108.78	1,470,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.29	0.00	0.00	95.89	2,100,000.00 gal
Application event totals		4.76	0.00	0.00	204.67	

T1102 - 05/19/2023: Tomato

Field name: T1102

Crop: Tomato

Plant date: 05/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/26/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	164.55	75.69	266.57	0.00	301.00 ton
Application event totals		164.55	75.69	266.57	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1102 - 05/19/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	5.39	0.00	0.00	225.65	2,028,000.00 gal
TID Reservoir Thurber/#95	Ground water	2.12	0.00	0.00	157.30	3,120,000.00 gal
Application event totals		7.51	0.00	0.00	382.95	
05/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	5.08	0.00	0.00	212.63	1,911,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.99	0.00	0.00	148.23	2,940,000.00 gal
Application event totals		7.08	0.00	0.00	360.86	
06/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID Reservoir Thurber/#95	Ground water	1.79	0.00	0.00	133.10	2,640,000.00 gal
TID 25	Ground water	4.56	0.00	0.00	190.93	1,716,000.00 gal
Application event totals		6.35	0.00	0.00	324.04	
06/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
TID 25	Ground water	4.88	0.00	0.00	203.95	1,833,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.91	0.00	0.00	142.18	2,820,000.00 gal
Application event totals		46.79	0.00	0.00	346.13	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	4.77	0.00	0.00	199.61	1,794,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.87	0.00	0.00	139.15	2,760,000.00 gal
Application event totals		6.64	0.00	0.00	338.77	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1102 - 05/19/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	4.15	0.00	0.00	173.58	1,560,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.63	0.00	0.00	121.00	2,400,000.00 gal
Application event totals		5.78	0.00	0.00	294.58	
08/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	3.84	0.00	0.00	160.56	1,443,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.51	0.00	0.00	111.93	2,220,000.00 gal
Application event totals		5.34	0.00	0.00	272.49	
08/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	3.63	0.00	0.00	151.88	1,365,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.42	0.00	0.00	105.88	2,100,000.00 gal
Application event totals		5.05	0.00	0.00	257.76	
09/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 25	Ground water	3.32	0.00	0.00	138.86	1,248,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.30	0.00	0.00	96.80	1,920,000.00 gal
Application event totals		4.62	0.00	0.00	235.66	

T1103 - 05/25/2023: Tomato

Field name: T1103

Crop: Tomato

Plant date: 05/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1103 - 05/25/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	207.53	95.47	336.21	0.00	348.00 ton
Application event totals		207.53	95.47	336.21	0.00	
05/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	2.12	0.00	0.00	149.43	2,784,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.42	0.00	0.00	105.60	1,920,000.00 gal
Application event totals		3.54	0.00	0.00	255.03	
06/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.98	0.00	0.00	140.09	2,610,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.33	0.00	0.00	99.00	1,800,000.00 gal
Application event totals		3.32	0.00	0.00	239.09	
06/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.79	0.00	0.00	126.08	2,349,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.20	0.00	0.00	89.10	1,620,000.00 gal
Application event totals		2.98	0.00	0.00	215.18	
06/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
TID 93	Ground water	1.92	0.00	0.00	135.42	2,523,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.29	0.00	0.00	95.70	1,740,000.00 gal
Application event totals		43.21	0.00	0.00	231.12	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1103 - 05/25/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.85	0.00	0.00	130.75	2,436,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.24	0.00	0.00	92.40	1,680,000.00 gal
Application event totals		3.10	0.00	0.00	223.15	
07/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.59	0.00	0.00	112.07	2,088,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.07	0.00	0.00	79.20	1,440,000.00 gal
Application event totals		2.65	0.00	0.00	191.27	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.52	0.00	0.00	107.40	2,001,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.02	0.00	0.00	75.90	1,380,000.00 gal
Application event totals		2.54	0.00	0.00	183.30	
08/24/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.39	0.00	0.00	98.06	1,827,000.00 gal
TID Reservoir Thurber/#95	Ground water	0.93	0.00	0.00	69.30	1,260,000.00 gal
Application event totals		2.32	0.00	0.00	167.36	
09/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.29	0.00	0.00	91.06	1,696,500.00 gal
TID Reservoir Thurber/#95	Ground water	0.87	0.00	0.00	64.35	1,170,000.00 gal
Application event totals		2.16	0.00	0.00	155.41	

T1104 - 05/25/2023: Tomato

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1104 - 05/25/2023: Tomato

Field name: T1104

Crop: Tomato

Plant date: 05/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	164.40	75.62	266.33	0.00	307.00 ton
Application event totals		164.40	75.62	266.33	0.00	
05/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	2.08	0.00	0.00	146.76	3,045,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.39	0.00	0.00	103.72	2,100,000.00 gal
Application event totals		3.47	0.00	0.00	250.48	
06/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.78	0.00	0.00	125.79	2,610,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.20	0.00	0.00	88.90	1,800,000.00 gal
Application event totals		2.98	0.00	0.00	214.69	
06/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.90	0.00	0.00	134.18	2,784,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.28	0.00	0.00	94.83	1,920,000.00 gal
Application event totals		3.18	0.00	0.00	229.01	
07/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
TID 93	Ground water	2.02	0.00	0.00	142.57	2,958,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.35	0.00	0.00	100.75	2,040,000.00 gal
Application event totals		43.38	0.00	0.00	243.32	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1104 - 05/25/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.84	0.00	0.00	129.99	2,697,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.24	0.00	0.00	91.86	1,860,000.00 gal
Application event totals		3.08	0.00	0.00	221.85	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.72	0.00	0.00	121.60	2,523,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.16	0.00	0.00	85.94	1,740,000.00 gal
Application event totals		2.88	0.00	0.00	207.54	
08/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.54	0.00	0.00	109.02	2,262,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.04	0.00	0.00	77.05	1,560,000.00 gal
Application event totals		2.58	0.00	0.00	186.07	
08/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.43	0.00	0.00	100.63	2,088,000.00 gal
TID Reservoir Thurber/#95	Ground water	0.96	0.00	0.00	71.12	1,440,000.00 gal
Application event totals		2.38	0.00	0.00	171.75	
09/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.31	0.00	0.00	92.25	1,914,000.00 gal
TID Reservoir Thurber/#95	Ground water	0.88	0.00	0.00	65.19	1,320,000.00 gal
Application event totals		2.18	0.00	0.00	157.44	

T1105 - 06/07/2023: Tomato

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1105 - 06/07/2023: Tomato

Field name: T1105

Crop: Tomato

Plant date: 06/07/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/09/2023	Broadcast/incorporate	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	144.92	66.66	234.76	0.00	243.00 ton
Application event totals		144.92	66.66	234.76	0.00	
05/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.98	0.00	0.00	140.09	2,610,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.33	0.00	0.00	99.00	1,800,000.00 gal
Application event totals		3.32	0.00	0.00	239.09	
06/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	2.05	0.00	0.00	144.76	2,697,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.38	0.00	0.00	102.30	1,860,000.00 gal
Application event totals		3.43	0.00	0.00	247.06	
06/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.79	0.00	0.00	126.08	2,349,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.20	0.00	0.00	89.10	1,620,000.00 gal
Application event totals		2.98	0.00	0.00	215.18	
07/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
TID 93	Ground water	2.12	0.00	0.00	149.43	2,784,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.42	0.00	0.00	105.60	1,920,000.00 gal
Application event totals		43.54	0.00	0.00	255.03	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1105 - 06/07/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.92	0.00	0.00	135.42	2,523,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.29	0.00	0.00	95.70	1,740,000.00 gal
Application event totals		3.21	0.00	0.00	231.12	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.72	0.00	0.00	121.41	2,262,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.15	0.00	0.00	85.80	1,560,000.00 gal
Application event totals		2.87	0.00	0.00	207.21	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.52	0.00	0.00	107.40	2,001,000.00 gal
TID Reservoir Thurber/#95	Ground water	1.02	0.00	0.00	75.90	1,380,000.00 gal
Application event totals		2.54	0.00	0.00	183.30	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.39	0.00	0.00	98.06	1,827,000.00 gal
TID Reservoir Thurber/#95	Ground water	0.93	0.00	0.00	69.30	1,260,000.00 gal
Application event totals		2.32	0.00	0.00	167.36	
09/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.26	0.00	0.00	88.72	1,653,000.00 gal
TID Reservoir Thurber/#95	Ground water	0.84	0.00	0.00	62.70	1,140,000.00 gal
Application event totals		2.10	0.00	0.00	151.42	

T1106 - 01/01/2007: Almond, in shell

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1106 - 01/01/2007: Almond, in shell

Field name: T1106

Crop: Almond, in shell

Plant date: 01/01/2007

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/23/2022	Broadcast/incorporate	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	127.36	47.98	258.21	0.00	285.00 ton
Application event totals		127.36	47.98	258.21	0.00	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 93	Ground water	2.03	0.00	0.00	142.93	2,784,000.00 gal
C-Thurber Canal	Surface water	0.47	0.00	0.00	9.36	2,580,000.00 gal
Application event totals		22.49	0.00	0.00	152.29	
05/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	2.28	0.00	0.00	160.80	3,132,000.00 gal
C-Thurber Canal	Surface water	0.53	0.00	0.00	10.53	2,903,040.00 gal
Application event totals		2.81	0.00	0.00	171.33	
06/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	2.66	0.00	0.00	187.60	3,654,000.00 gal
C-Thurber Canal	Surface water	0.61	0.00	0.00	12.29	3,386,880.00 gal
Application event totals		3.27	0.00	0.00	199.88	
07/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	3.10	0.00	0.00	218.86	4,263,000.00 gal
C-Thurber Canal	Surface water	0.72	0.00	0.00	14.34	3,951,360.00 gal
Application event totals		3.82	0.00	0.00	233.20	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1106 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	3.61	0.00	0.00	254.59	4,959,000.00 gal
C-Thurber Canal	Surface water	0.83	0.00	0.00	16.68	4,596,480.00 gal
Application event totals		4.44	0.00	0.00	271.27	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	2.53	0.00	0.00	178.66	3,480,000.00 gal
C-Thurber Canal	Surface water	0.59	0.00	0.00	11.70	3,225,600.00 gal
Application event totals		3.12	0.00	0.00	190.37	
10/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 93	Ground water	1.90	0.00	0.00	134.00	2,610,000.00 gal
C-Thurber Canal	Surface water	0.44	0.00	0.00	8.78	2,419,200.00 gal
Application event totals		2.34	0.00	0.00	142.77	

T1107 - 01/01/2007: Almond, in shell

Field name: T1107

Crop: Almond, in shell

Plant date: 01/01/2007

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/23/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	128.48	48.40	260.48	0.00	950.00 ton
Application event totals		128.48	48.40	260.48	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1107 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 104	Ground water	0.56	0.00	0.00	163.71	10,212,000.00 gal
C-Thurber Canal	Surface water	0.41	0.00	0.00	8.15	7,418,880.00 gal
Application event totals		20.97	0.00	0.00	171.86	
05/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.63	0.00	0.00	185.06	11,544,000.00 gal
C-Thurber Canal	Surface water	0.46	0.00	0.00	9.21	8,386,560.00 gal
Application event totals		1.09	0.00	0.00	194.27	
06/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.77	0.00	0.00	224.21	13,986,000.00 gal
C-Thurber Canal	Surface water	0.56	0.00	0.00	11.16	10,160,640.00 gal
Application event totals		1.33	0.00	0.00	235.37	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.84	0.00	0.00	245.57	15,318,000.00 gal
C-Thurber Canal	Surface water	0.61	0.00	0.00	12.22	11,128,320.00 gal
Application event totals		1.45	0.00	0.00	257.78	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.93	0.00	0.00	270.48	16,872,000.00 gal
C-Thurber Canal	Surface water	0.67	0.00	0.00	13.46	12,257,280.00 gal
Application event totals		1.60	0.00	0.00	283.94	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1107 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.73	0.00	0.00	213.54	13,320,000.00 gal
C-Thurber Canal	Surface water	0.53	0.00	0.00	10.63	9,676,800.00 gal
Application event totals		1.26	0.00	0.00	224.16	
10/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.50	0.00	0.00	145.92	9,102,000.00 gal
C-Thurber Canal	Surface water	0.36	0.00	0.00	7.26	6,612,480.00 gal
Application event totals		0.86	0.00	0.00	153.18	

T1108 - 01/01/2007: Almond, in shell

Field name: T1108

Crop: Almond, in shell

Plant date: 01/01/2007

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/25/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	115.32	43.44	233.80	0.00	791.00 ton
Application event totals		115.32	43.44	233.80	0.00	
04/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 104	Ground water	0.60	0.00	0.00	176.48	10,212,000.00 gal
C-Thurber Canal	Surface water	0.44	0.00	0.00	8.78	7,418,880.00 gal
Application event totals		21.04	0.00	0.00	185.26	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1108 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.66	0.00	0.00	191.83	11,100,000.00 gal
C-Thurber Canal	Surface water	0.48	0.00	0.00	9.55	8,064,000.00 gal
Application event totals		1.13	0.00	0.00	201.37	
06/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.76	0.00	0.00	222.52	12,876,000.00 gal
C-Thurber Canal	Surface water	0.55	0.00	0.00	11.07	9,354,240.00 gal
Application event totals		1.32	0.00	0.00	233.59	
07/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.85	0.00	0.00	249.38	14,430,000.00 gal
C-Thurber Canal	Surface water	0.62	0.00	0.00	12.41	10,483,200.00 gal
Application event totals		1.47	0.00	0.00	261.79	
08/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.92	0.00	0.00	268.56	15,540,000.00 gal
C-Thurber Canal	Surface water	0.67	0.00	0.00	13.36	11,289,600.00 gal
Application event totals		1.59	0.00	0.00	281.92	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.70	0.00	0.00	203.34	11,766,000.00 gal
C-Thurber Canal	Surface water	0.51	0.00	0.00	10.12	8,547,840.00 gal
Application event totals		1.20	0.00	0.00	213.46	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1108 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 104	Ground water	0.49	0.00	0.00	141.95	8,214,000.00 gal
C-Thurber Canal	Surface water	0.35	0.00	0.00	7.06	5,967,360.00 gal
Application event totals		0.84	0.00	0.00	149.02	

T1201 - 10/12/2022: Rye Grass Silage

Field name: T1201

Crop: Rye Grass Silage Plant date: 10/12/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/19/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	79.28	19.14	87.48	630.88	3,780,000.00 gal
TID 61	Ground water	12.71	0.00	0.00	579.40	7,232,400.00 gal
TID 103 Reservoir	Ground water	7.74	0.00	0.00	409.37	5,040,000.00 gal
Application event totals		99.73	19.14	87.48	1,619.66	
01/15/2023	Surface (irrigation)	Light rain	Light rain		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	53.61	20.49	239.73	759.56	3,330,000.00 gal
TID 61	Ground water	11.20	0.00	0.00	510.43	6,371,400.00 gal
TID 103 Reservoir	Ground water	6.82	0.00	0.00	360.64	4,440,000.00 gal
Application event totals		71.63	20.49	239.73	1,630.63	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1201 - 10/12/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/22/2023	Surface (irrigation)	Light rain	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	93.55	21.79	100.87	617.06
TID 61	Ground water	11.96	0.00	0.00	544.91
TID 103 Reservoir	Ground water	7.28	0.00	0.00	385.00
Application event totals		112.78	21.79	100.87	1,546.98

T1201 - 06/06/2023: Corn, silage

Field name: T1201

Crop: Corn, silage

Plant date: 06/06/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Wastewater	Process wastewater	54.47	12.69	58.73	359.30
TID 61	Ground water	10.44	0.00	0.00	475.94
TID 103 Reservoir	Ground water	9.54	0.00	0.00	504.41
Application event totals		74.45	12.69	58.73	1,339.64
06/06/2023	Sidedress	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00
Application event totals		20.00	0.00	0.00	0.00
06/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
TID 61	Ground water	9.23	0.00	0.00	420.76
TID 103 Reservoir	Ground water	8.43	0.00	0.00	445.92
Application event totals		17.66	0.00	0.00	866.68

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1201 - 06/06/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	59.69	12.02	40.83	271.63	1,575,000.00 gal
TID 61	Ground water	7.87	0.00	0.00	358.68	4,477,200.00 gal
TID 103 Reservoir	Ground water	7.19	0.00	0.00	380.13	4,680,000.00 gal
Application event totals		74.75	12.02	40.83	1,010.44	
07/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	9.69	0.00	0.00	441.45	5,510,400.00 gal
TID 103 Reservoir	Ground water	8.84	0.00	0.00	467.85	5,760,000.00 gal
Application event totals		18.53	0.00	0.00	909.30	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	66.51	13.40	45.50	302.67	1,755,000.00 gal
TID 61	Ground water	8.93	0.00	0.00	406.96	5,079,900.00 gal
TID 103 Reservoir	Ground water	8.15	0.00	0.00	431.30	5,310,000.00 gal
Application event totals		83.59	13.40	45.50	1,140.94	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	8.63	0.00	0.00	393.17	4,907,700.00 gal
TID 103 Reservoir	Ground water	7.88	0.00	0.00	416.68	5,130,000.00 gal
Application event totals		16.50	0.00	0.00	809.85	
08/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	7.27	0.00	0.00	331.09	4,132,800.00 gal
TID 103 Reservoir	Ground water	6.63	0.00	0.00	350.89	4,320,000.00 gal
Application event totals		13.90	0.00	0.00	681.98	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1202 - 10/12/2022: Rye Grass SilageField name: T1202Crop: Rye Grass SilagePlant date: 10/12/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/12/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	114.75	27.70	126.62	913.12	5,544,000.00 gal
TID 61	Ground water	11.50	0.00	0.00	524.13	6,629,700.00 gal
TID 103 Reservoir	Ground water	7.00	0.00	0.00	370.32	4,620,000.00 gal
Application event totals		133.25	27.70	126.62	1,807.57	
02/01/2023	Surface (irrigation)	No precipitation	No precipitation	Light rain		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	77.79	29.73	347.82	1,102.07	4,896,000.00 gal
TID 61	Ground water	10.16	0.00	0.00	462.87	5,854,800.00 gal
TID 103 Reservoir	Ground water	6.18	0.00	0.00	327.04	4,080,000.00 gal
Application event totals		94.13	29.73	347.82	1,891.97	
03/25/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	153.32	35.72	165.31	1,011.31	5,904,000.00 gal
TID 61	Ground water	12.25	0.00	0.00	558.16	7,060,200.00 gal
TID 103 Reservoir	Ground water	7.46	0.00	0.00	394.37	4,920,000.00 gal
Application event totals		173.02	35.72	165.31	1,963.84	

T1202 - 05/15/2023: Corn, silageField name: T1202Crop: Corn, silagePlant date: 05/15/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1202 - 05/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/04/2023	Surface (irrigation)	Light rain	Light rain		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	50.64	11.80	54.60	334.02	1,950,000.00 gal
TID 61	Ground water	9.71	0.00	0.00	442.45	5,596,500.00 gal
TID 103 Reservoir	Ground water	8.98	0.00	0.00	475.16	5,928,000.00 gal
Application event totals		69.33	11.80	54.60	1,251.63	
05/15/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	
06/01/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	7.92	0.00	0.00	360.76	4,563,300.00 gal
TID 103 Reservoir	Ground water	7.32	0.00	0.00	387.44	4,833,600.00 gal
Application event totals		15.24	0.00	0.00	748.21	
06/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	8.81	0.00	0.00	401.61	5,079,900.00 gal
TID 103 Reservoir	Ground water	8.15	0.00	0.00	431.30	5,380,800.00 gal
Application event totals		16.97	0.00	0.00	832.91	
06/23/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	42.07	9.80	45.36	277.49	1,620,000.00 gal
TID 61	Ground water	8.07	0.00	0.00	367.57	4,649,400.00 gal
TID 103 Reservoir	Ground water	7.46	0.00	0.00	394.75	4,924,800.00 gal
Application event totals		57.60	9.80	45.36	1,039.82	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1202 - 05/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	7.47	0.00	0.00	340.34	4,305,000.00 gal
TID 103 Reservoir	Ground water	6.91	0.00	0.00	365.51	4,560,000.00 gal
Application event totals		14.38	0.00	0.00	705.86	
07/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	57.22	11.52	39.14	260.40	1,530,000.00 gal
TID 61	Ground water	7.17	0.00	0.00	326.73	4,132,800.00 gal
TID 103 Reservoir	Ground water	6.63	0.00	0.00	350.89	4,377,600.00 gal
Application event totals		71.02	11.52	39.14	938.02	
08/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	6.72	0.00	0.00	306.31	3,874,500.00 gal
TID 103 Reservoir	Ground water	6.22	0.00	0.00	328.96	4,104,000.00 gal
Application event totals		12.94	0.00	0.00	635.27	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 61	Ground water	6.42	0.00	0.00	292.70	3,702,300.00 gal
TID 103 Reservoir	Ground water	5.94	0.00	0.00	314.34	3,921,600.00 gal
Application event totals		12.37	0.00	0.00	607.04	

T201 - 11/14/2022: Rye Grass Silage

Field name: T201

Crop: Rye Grass Silage

Plant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T201 - 11/14/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/22/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Corral Solids	Corral solids	203.90	67.71	225.69	0.00	404.00 ton
Application event totals		203.90	67.71	225.69	0.00	
01/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	3.05	0.00	0.00	273.44	8,164,800.00 gal
TID Reservoir #97	Ground water	1.34	0.00	0.00	119.54	6,720,000.00 gal
Application event totals		4.38	0.00	0.00	392.97	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	3.43	0.00	0.00	307.62	9,185,400.00 gal
TID Reservoir #97	Ground water	1.50	0.00	0.00	134.48	7,560,000.00 gal
Application event totals		4.93	0.00	0.00	442.09	

T201 - 06/09/2023: Tomato

Field name: T201

Crop: Tomato

Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/15/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	134.65	61.94	218.14	0.00	390.00 ton
Application event totals		134.65	61.94	218.14	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T201 - 06/09/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.33	0.00	0.00	119.63	3,572,100.00 gal
TID Reservoir #97	Ground water	0.89	0.00	0.00	79.49	4,468,800.00 gal
Application event totals		2.22	0.00	0.00	199.12	
06/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.12	0.00	0.00	100.10	2,988,900.00 gal
TID Reservoir #97	Ground water	0.74	0.00	0.00	66.51	3,739,200.00 gal
Application event totals		1.86	0.00	0.00	166.61	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.01	0.00	0.00	90.33	2,697,300.00 gal
TID Reservoir #97	Ground water	0.67	0.00	0.00	60.02	3,374,400.00 gal
Application event totals		1.68	0.00	0.00	150.36	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 18	Ground water	1.17	0.00	0.00	104.98	3,134,700.00 gal
TID Reservoir #97	Ground water	0.78	0.00	0.00	69.76	3,921,600.00 gal
Application event totals		31.95	0.00	0.00	174.74	
08/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.22	0.00	0.00	109.86	3,280,500.00 gal
TID Reservoir #97	Ground water	0.82	0.00	0.00	73.00	4,104,000.00 gal
Application event totals		2.04	0.00	0.00	182.87	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T201 - 06/09/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.14	0.00	0.00	102.54	3,061,800.00 gal
TID Reservoir #97	Ground water	0.76	0.00	0.00	68.14	3,830,400.00 gal
Application event totals		1.90	0.00	0.00	170.67	
08/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.06	0.00	0.00	95.21	2,843,100.00 gal
TID Reservoir #97	Ground water	0.71	0.00	0.00	63.27	3,556,800.00 gal
Application event totals		1.77	0.00	0.00	158.48	
09/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	0.98	0.00	0.00	87.89	2,624,400.00 gal
TID Reservoir #97	Ground water	0.65	0.00	0.00	58.40	3,283,200.00 gal
Application event totals		1.63	0.00	0.00	146.29	
09/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	0.82	0.00	0.00	73.24	2,187,000.00 gal
TID Reservoir #97	Ground water	0.54	0.00	0.00	48.67	2,736,000.00 gal
Application event totals		1.36	0.00	0.00	121.91	

T202 - 11/14/2022: Rye Grass Silage

Field name: T202Crop: Rye Grass SilagePlant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T202 - 11/14/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/19/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Corral Solids	Corral solids	198.85	66.03	220.10	0.00	394.00 ton
Application event totals		198.85	66.03	220.10	0.00	
01/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	3.48	0.00	0.00	312.50	9,331,200.00 gal
TID Reservoir #97	Ground water	1.53	0.00	0.00	136.61	7,680,000.00 gal
Application event totals		5.01	0.00	0.00	449.11	
04/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	4.06	0.00	0.00	363.77	10,862,100.00 gal
TID Reservoir #97	Ground water	1.78	0.00	0.00	159.02	8,940,000.00 gal
Application event totals		5.83	0.00	0.00	522.79	

T202 - 06/09/2023: Tomato

Field name: T202

Crop: Tomato

Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/17/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	138.11	63.53	223.73	0.00	400.00 ton
Application event totals		138.11	63.53	223.73	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T202 - 06/09/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.22	0.00	0.00	109.86	3,280,500.00 gal
TID Reservoir #97	Ground water	0.82	0.00	0.00	73.00	4,104,000.00 gal
Application event totals		2.04	0.00	0.00	182.87	
06/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.12	0.00	0.00	100.10	2,988,900.00 gal
TID Reservoir #97	Ground water	0.74	0.00	0.00	66.51	3,739,200.00 gal
Application event totals		1.86	0.00	0.00	166.61	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.03	0.00	0.00	92.77	2,770,200.00 gal
TID Reservoir #97	Ground water	0.69	0.00	0.00	61.65	3,465,600.00 gal
Application event totals		1.72	0.00	0.00	154.42	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 18	Ground water	1.14	0.00	0.00	102.54	3,061,800.00 gal
TID Reservoir #97	Ground water	0.76	0.00	0.00	68.14	3,830,400.00 gal
Application event totals		31.90	0.00	0.00	170.67	
08/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.25	0.00	0.00	112.30	3,353,400.00 gal
TID Reservoir #97	Ground water	0.83	0.00	0.00	74.62	4,195,200.00 gal
Application event totals		2.09	0.00	0.00	186.93	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T202 - 06/09/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.17	0.00	0.00	104.98	3,134,700.00 gal
TID Reservoir #97	Ground water	0.78	0.00	0.00	69.76	3,921,600.00 gal
Application event totals		1.95	0.00	0.00	174.74	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.09	0.00	0.00	97.66	2,916,000.00 gal
TID Reservoir #97	Ground water	0.73	0.00	0.00	64.89	3,648,000.00 gal
Application event totals		1.81	0.00	0.00	162.55	
09/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.01	0.00	0.00	90.33	2,697,300.00 gal
TID Reservoir #97	Ground water	0.67	0.00	0.00	60.02	3,374,400.00 gal
Application event totals		1.68	0.00	0.00	150.36	
09/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	0.87	0.00	0.00	78.13	2,332,800.00 gal
TID Reservoir #97	Ground water	0.58	0.00	0.00	51.91	2,918,400.00 gal
Application event totals		1.45	0.00	0.00	130.04	

T203 - 11/14/2022: Rye Grass Silage

Field name: T203Crop: Rye Grass SilagePlant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T203 - 11/14/2022: Rye Grass Silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/24/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Corral Solids	Corral solids	172.26	57.20	190.67	0.00	247.00 ton
Application event totals		172.26	57.20	190.67	0.00	
01/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	3.23	0.00	0.00	290.13	6,269,400.00 gal
TID Reservoir #97	Ground water	1.42	0.00	0.00	126.83	5,160,000.00 gal
Application event totals		4.65	0.00	0.00	416.96	
03/05/2023	Surface (irrigation)	No precipitation	Light rain	Light rain	Light rain	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	2.93	0.00	0.00	263.14	5,686,200.00 gal
TID Reservoir #97	Ground water	1.29	0.00	0.00	115.03	4,680,000.00 gal
Application event totals		4.22	0.00	0.00	378.17	

T203 - 05/30/2023: Tomato

Field name: T203

Crop: Tomato

Plant date: 05/30/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/21/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	164.83	75.82	267.03	0.00	345.50 ton
Application event totals		164.83	75.82	267.03	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T203 - 05/30/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.58	0.00	0.00	141.69	3,061,800.00 gal
TID Reservoir #97	Ground water	0.76	0.00	0.00	68.14	2,772,000.00 gal
Application event totals		2.34	0.00	0.00	209.83	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.32	0.00	0.00	118.08	2,551,500.00 gal
TID Reservoir #97	Ground water	0.63	0.00	0.00	56.78	2,310,000.00 gal
Application event totals		1.95	0.00	0.00	174.85	
06/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.20	0.00	0.00	107.95	2,332,800.00 gal
TID Reservoir #97	Ground water	0.58	0.00	0.00	51.91	2,112,000.00 gal
Application event totals		1.78	0.00	0.00	159.87	
07/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	30.00	0.00	0.00	0.00	
TID 18	Ground water	1.39	0.00	0.00	124.82	2,697,300.00 gal
TID Reservoir #97	Ground water	0.67	0.00	0.00	60.02	2,442,000.00 gal
Application event totals		32.06	0.00	0.00	184.85	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.47	0.00	0.00	131.57	2,843,100.00 gal
TID Reservoir #97	Ground water	0.65	0.00	0.00	58.40	2,376,000.00 gal
Application event totals		2.12	0.00	0.00	189.97	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T203 - 05/30/2023: Tomato

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.35	0.00	0.00	121.45	2,624,400.00 gal
TID Reservoir #97	Ground water	0.71	0.00	0.00	63.27	2,574,000.00 gal
Application event totals		2.06	0.00	0.00	184.72	
08/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.28	0.00	0.00	114.70	2,478,600.00 gal
TID Reservoir #97	Ground water	0.62	0.00	0.00	55.16	2,244,000.00 gal
Application event totals		1.89	0.00	0.00	169.86	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	1.17	0.00	0.00	104.58	2,259,900.00 gal
TID Reservoir #97	Ground water	0.56	0.00	0.00	50.29	2,046,000.00 gal
Application event totals		1.73	0.00	0.00	154.87	
09/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 18	Ground water	0.98	0.00	0.00	87.71	1,895,400.00 gal
TID Reservoir #97	Ground water	0.47	0.00	0.00	42.18	1,716,000.00 gal
Application event totals		1.45	0.00	0.00	129.89	

T204 - 01/01/2020: Almond, in shell

Field name: T204Crop: Almond, in shellPlant date: 01/01/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
------------------	--------------------	------------------------------	----------------------------------	----------------------------------

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T204 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/17/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	143.03	53.88	289.98	0.00	494.00 ton
Application event totals		143.03	53.88	289.98	0.00	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 19	Ground water	4.53	0.00	0.00	238.17	4,052,700.00 gal
TID Reservoir #97	Ground water	1.01	0.00	0.00	90.25	4,740,000.00 gal
Application event totals		25.53	0.00	0.00	328.42	
05/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	4.81	0.00	0.00	253.24	4,309,200.00 gal
TID Reservoir #97	Ground water	1.07	0.00	0.00	95.97	5,040,000.00 gal
Application event totals		5.88	0.00	0.00	349.21	
06/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	5.44	0.00	0.00	286.40	4,873,500.00 gal
TID Reservoir #97	Ground water	1.21	0.00	0.00	108.53	5,700,000.00 gal
Application event totals		6.65	0.00	0.00	394.94	
07/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	6.01	0.00	0.00	316.55	5,386,500.00 gal
TID Reservoir #97	Ground water	1.34	0.00	0.00	119.96	6,300,000.00 gal
Application event totals		7.35	0.00	0.00	436.51	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T204 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	6.30	0.00	0.00	331.63	5,643,000.00 gal
TID Reservoir #97	Ground water	1.40	0.00	0.00	125.67	6,600,000.00 gal
Application event totals		7.70	0.00	0.00	457.29	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	5.27	0.00	0.00	277.36	4,719,600.00 gal
TID Reservoir #97	Ground water	1.17	0.00	0.00	105.10	5,520,000.00 gal
Application event totals		6.44	0.00	0.00	382.46	
10/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	4.30	0.00	0.00	226.11	3,847,500.00 gal
TID Reservoir #97	Ground water	0.96	0.00	0.00	85.68	4,500,000.00 gal
Application event totals		5.25	0.00	0.00	311.79	

T205 - 01/01/2020: Almond, in shellField name: T205Crop: Almond, in shellPlant date: 01/01/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/18/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	142.74	53.77	289.39	0.00	493.00 ton
Application event totals		142.74	53.77	289.39	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T205 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 19	Ground water	4.75	0.00	0.00	250.23	4,257,900.00 gal
TID Reservoir #97	Ground water	1.06	0.00	0.00	94.82	4,980,000.00 gal
Application event totals		25.81	0.00	0.00	345.05	
05/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	5.16	0.00	0.00	271.33	4,617,000.00 gal
TID Reservoir #97	Ground water	1.15	0.00	0.00	102.82	5,400,000.00 gal
Application event totals		6.30	0.00	0.00	374.15	
06/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	5.56	0.00	0.00	292.43	4,976,100.00 gal
TID Reservoir #97	Ground water	1.24	0.00	0.00	110.82	5,820,000.00 gal
Application event totals		6.79	0.00	0.00	403.25	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	5.84	0.00	0.00	307.51	5,232,600.00 gal
TID Reservoir #97	Ground water	1.30	0.00	0.00	116.53	6,120,000.00 gal
Application event totals		7.14	0.00	0.00	424.04	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	6.19	0.00	0.00	325.60	5,540,400.00 gal
TID Reservoir #97	Ground water	1.38	0.00	0.00	123.38	6,480,000.00 gal
Application event totals		7.56	0.00	0.00	448.98	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T205 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	5.38	0.00	0.00	283.39	4,822,200.00 gal
TID Reservoir #97	Ground water	1.20	0.00	0.00	107.39	5,640,000.00 gal
Application event totals		6.58	0.00	0.00	390.78	
10/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 19	Ground water	4.41	0.00	0.00	232.14	3,950,100.00 gal
TID Reservoir #97	Ground water	0.98	0.00	0.00	87.97	4,620,000.00 gal
Application event totals		5.39	0.00	0.00	320.11	

T301 - 01/01/1995: Almond, in shellField name: T301Crop: Almond, in shellPlant date: 01/01/1995

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/20/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	146.52	55.20	297.06	0.00	335.00 ton
Application event totals		146.52	55.20	297.06	0.00	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 14	Ground water	1.04	0.00	0.00	172.33	2,880,000.00 gal
Siebert Reservoir	Ground water	5.67	0.00	0.00	298.29	2,400,000.00 gal
Application event totals		26.71	0.00	0.00	470.62	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T301 - 01/01/1995: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.23	0.00	0.00	202.48	3,384,000.00 gal
Siebert Reservoir	Ground water	6.66	0.00	0.00	350.49	2,820,000.00 gal
Application event totals		7.89	0.00	0.00	552.97	
06/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.51	0.00	0.00	249.87	4,176,000.00 gal
Siebert Reservoir	Ground water	8.22	0.00	0.00	432.52	3,480,000.00 gal
Application event totals		9.73	0.00	0.00	682.39	
07/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.64	0.00	0.00	271.41	4,536,000.00 gal
Siebert Reservoir	Ground water	8.93	0.00	0.00	469.81	3,780,000.00 gal
Application event totals		10.57	0.00	0.00	741.22	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.80	0.00	0.00	297.26	4,968,000.00 gal
Siebert Reservoir	Ground water	9.78	0.00	0.00	514.55	4,140,000.00 gal
Application event totals		11.58	0.00	0.00	811.81	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.43	0.00	0.00	236.95	3,960,000.00 gal
Siebert Reservoir	Ground water	7.79	0.00	0.00	410.15	3,300,000.00 gal
Application event totals		9.23	0.00	0.00	647.10	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T301 - 01/01/1995: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	0.99	0.00	0.00	163.71	2,736,000.00 gal
Siebert Reservoir	Ground water	5.38	0.00	0.00	283.37	2,280,000.00 gal
Application event totals		6.38	0.00	0.00	447.08	

T302 - 01/01/1991: Almond, in shell

Field name: T302

Crop: Almond, in shell Plant date: 01/01/1991

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/20/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	148.51	55.95	301.09	0.00	354.00 ton
Application event totals		148.51	55.95	301.09	0.00	
04/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 14	Ground water	1.23	0.00	0.00	202.48	3,528,000.00 gal
Siebert Reservoir	Ground water	6.66	0.00	0.00	350.49	2,940,000.00 gal
Application event totals		27.89	0.00	0.00	552.97	
05/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.30	0.00	0.00	214.88	3,744,000.00 gal
Siebert Reservoir	Ground water	7.07	0.00	0.00	371.95	3,120,000.00 gal
Application event totals		8.37	0.00	0.00	586.83	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T302 - 01/01/1991: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.35	0.00	0.00	223.14	3,888,000.00 gal
Siebert Reservoir	Ground water	7.34	0.00	0.00	386.25	3,240,000.00 gal
Application event totals		8.69	0.00	0.00	609.40	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.53	0.00	0.00	252.07	4,392,000.00 gal
Siebert Reservoir	Ground water	8.29	0.00	0.00	436.32	3,660,000.00 gal
Application event totals		9.82	0.00	0.00	688.40	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.83	0.00	0.00	301.66	5,256,000.00 gal
Siebert Reservoir	Ground water	9.92	0.00	0.00	522.16	4,380,000.00 gal
Application event totals		11.75	0.00	0.00	823.82	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.35	0.00	0.00	223.14	3,888,000.00 gal
Siebert Reservoir	Ground water	7.34	0.00	0.00	386.25	3,240,000.00 gal
Application event totals		8.69	0.00	0.00	609.40	
10/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	0.90	0.00	0.00	148.76	2,592,000.00 gal
Siebert Reservoir	Ground water	4.89	0.00	0.00	257.50	2,160,000.00 gal
Application event totals		5.79	0.00	0.00	406.27	

T303/306 - 01/01/2006: Almond, in shell

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T303/306 - 01/01/2006: Almond, in shell

Field name: T303/306

Crop: Almond, in shell

Plant date: 01/01/2006

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/21/2022	Broadcast/incorporate	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	148.61	55.98	301.29	0.00	694.00 ton
Application event totals		148.61	55.98	301.29	0.00	
04/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 14	Ground water	1.02	0.00	0.00	168.74	5,760,000.00 gal
Siebert Reservoir	Ground water	5.55	0.00	0.00	292.08	4,800,000.00 gal
Application event totals		26.57	0.00	0.00	460.81	
05/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.38	0.00	0.00	227.79	7,776,000.00 gal
Siebert Reservoir	Ground water	7.49	0.00	0.00	394.30	6,480,000.00 gal
Application event totals		8.87	0.00	0.00	622.09	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.58	0.00	0.00	261.54	8,928,000.00 gal
Siebert Reservoir	Ground water	8.60	0.00	0.00	452.72	7,440,000.00 gal
Application event totals		10.18	0.00	0.00	714.26	
07/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.86	0.00	0.00	307.94	10,512,000.00 gal
Siebert Reservoir	Ground water	10.13	0.00	0.00	533.04	8,760,000.00 gal
Application event totals		11.99	0.00	0.00	840.98	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T303/306 - 01/01/2006: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.70	0.00	0.00	280.52	9,576,000.00 gal
Siebert Reservoir	Ground water	9.23	0.00	0.00	485.57	7,980,000.00 gal
Application event totals		10.92	0.00	0.00	766.10	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.24	0.00	0.00	204.59	6,984,000.00 gal
Siebert Reservoir	Ground water	6.73	0.00	0.00	354.14	5,820,000.00 gal
Application event totals		7.97	0.00	0.00	558.73	
10/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	0.82	0.00	0.00	134.99	4,608,000.00 gal
Siebert Reservoir	Ground water	4.44	0.00	0.00	233.66	3,840,000.00 gal
Application event totals		5.26	0.00	0.00	368.65	

T304 - 01/01/2006: Almond, in shell

Field name: T304

Crop: Almond, in shell

Plant date: 01/01/2006

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/22/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	146.90	55.34	297.82	0.00	343.00 ton
Application event totals		146.90	55.34	297.82	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T304 - 01/01/2006: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 14	Ground water	1.05	0.00	0.00	172.95	2,952,000.00 gal
Siebert Reservoir	Ground water	5.69	0.00	0.00	299.38	2,460,000.00 gal
Application event totals		26.74	0.00	0.00	472.33	
05/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.20	0.00	0.00	198.26	3,384,000.00 gal
Siebert Reservoir	Ground water	6.52	0.00	0.00	343.19	2,820,000.00 gal
Application event totals		7.72	0.00	0.00	541.45	
06/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.53	0.00	0.00	253.10	4,320,000.00 gal
Siebert Reservoir	Ground water	8.32	0.00	0.00	438.11	3,600,000.00 gal
Application event totals		9.86	0.00	0.00	691.22	
07/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.66	0.00	0.00	274.20	4,680,000.00 gal
Siebert Reservoir	Ground water	9.02	0.00	0.00	474.62	3,900,000.00 gal
Application event totals		10.68	0.00	0.00	748.82	
08/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.84	0.00	0.00	303.72	5,184,000.00 gal
Siebert Reservoir	Ground water	9.99	0.00	0.00	525.74	4,320,000.00 gal
Application event totals		11.83	0.00	0.00	829.46	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T304 - 01/01/2006: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.48	0.00	0.00	244.67	4,176,000.00 gal
Siebert Reservoir	Ground water	8.05	0.00	0.00	423.51	3,480,000.00 gal
Application event totals		9.53	0.00	0.00	668.18	
10/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	0.97	0.00	0.00	160.30	2,736,000.00 gal
Siebert Reservoir	Ground water	5.27	0.00	0.00	277.47	2,280,000.00 gal
Application event totals		6.24	0.00	0.00	437.77	

T305 - 01/01/2007: Almond, in shell

Field name: T305

Crop: Almond, in shell

Plant date: 01/01/2007

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/22/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Drying Solids	Separator solids	146.41	55.16	296.84	0.00	349.00 ton
Application event totals		146.41	55.16	296.84	0.00	
04/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
TID 14	Ground water	1.15	0.00	0.00	190.09	3,312,000.00 gal
Siebert Reservoir	Ground water	6.25	0.00	0.00	329.03	2,760,000.00 gal
Application event totals		27.40	0.00	0.00	519.12	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T305 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.25	0.00	0.00	206.62	3,600,000.00 gal
Siebert Reservoir	Ground water	6.80	0.00	0.00	357.64	3,000,000.00 gal
Application event totals		8.05	0.00	0.00	564.26	
06/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.45	0.00	0.00	239.67	4,176,000.00 gal
Siebert Reservoir	Ground water	7.88	0.00	0.00	414.87	3,480,000.00 gal
Application event totals		9.33	0.00	0.00	654.54	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.63	0.00	0.00	268.60	4,680,000.00 gal
Siebert Reservoir	Ground water	8.83	0.00	0.00	464.94	3,900,000.00 gal
Application event totals		10.46	0.00	0.00	733.54	
08/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.75	0.00	0.00	289.26	5,040,000.00 gal
Siebert Reservoir	Ground water	9.51	0.00	0.00	500.70	4,200,000.00 gal
Application event totals		11.26	0.00	0.00	789.96	
09/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	1.33	0.00	0.00	219.01	3,816,000.00 gal
Siebert Reservoir	Ground water	7.20	0.00	0.00	379.10	3,180,000.00 gal
Application event totals		8.53	0.00	0.00	598.11	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T305 - 01/01/2007: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
TID 14	Ground water	0.93	0.00	0.00	152.90	2,664,000.00 gal
Siebert Reservoir	Ground water	5.03	0.00	0.00	264.66	2,220,000.00 gal
Application event totals		5.95	0.00	0.00	417.55	

T903 - 01/01/2015: Almond, in shell

Field name: T903

Crop: Almond, in shell Plant date: 01/01/2015

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	60.00	0.00	0.00	0.00	
FID	Surface water	0.98	0.00	0.00	22.53	9,273,600.00 gal
Application event totals		60.98	0.00	0.00	22.53	
05/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.18	0.00	0.00	27.04	11,128,320.00 gal
Application event totals		1.18	0.00	0.00	27.04	
06/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.27	0.00	0.00	29.19	12,015,360.00 gal
Application event totals		1.27	0.00	0.00	29.19	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T903 - 01/01/2015: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.41	0.00	0.00	32.33	13,305,600.00 gal
Application event totals		1.41	0.00	0.00	32.33	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.60	0.00	0.00	36.83	15,160,320.00 gal
Application event totals		1.60	0.00	0.00	36.83	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.20	0.00	0.00	27.62	11,370,240.00 gal
Application event totals		1.20	0.00	0.00	27.62	
10/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	0.84	0.00	0.00	19.40	7,983,360.00 gal
Application event totals		0.84	0.00	0.00	19.40	

T904 - 01/01/2018: Almond, in shell

Field name: T904

Crop: Almond, in shell

Plant date: 01/01/2018

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	60.00	0.00	0.00	0.00	
FID	Surface water	0.98	0.00	0.00	22.61	8,951,040.00 gal
Application event totals		60.98	0.00	0.00	22.61	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T904 - 01/01/2018: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.18	0.00	0.00	27.09	10,725,120.00 gal
Application event totals		1.18	0.00	0.00	27.09	
06/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.28	0.00	0.00	29.53	11,692,800.00 gal
Application event totals		1.28	0.00	0.00	29.53	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.43	0.00	0.00	32.99	13,063,680.00 gal
Application event totals		1.43	0.00	0.00	32.99	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.58	0.00	0.00	36.45	14,434,560.00 gal
Application event totals		1.58	0.00	0.00	36.45	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	1.22	0.00	0.00	28.10	11,128,320.00 gal
Application event totals		1.22	0.00	0.00	28.10	
10/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	0.81	0.00	0.00	18.74	7,418,880.00 gal
Application event totals		0.81	0.00	0.00	18.74	

T905 - 01/01/2022: Almond, in shell

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T905 - 01/01/2022: Almond, in shell

Field name: T905Crop: Almond, in shellPlant date: 01/01/2022

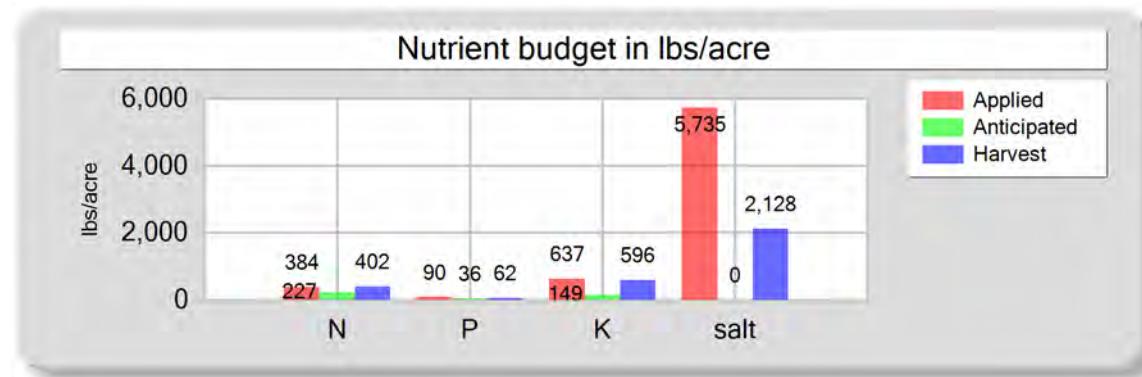
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
FID	Surface water	8.40	0.00	0.00	193.21	60,399,360.00 gal
Application event totals		8.40	0.00	0.00	193.21	
04/05/2023	Sidedress	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
25-0-0-5S	Liquid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

B. NUTRIENT BUDGET

T1001 - 09/15/2022: Rye Grass Silage

Field name: T1001 Crop: Rye Grass Silage Plant date: 09/15/2022

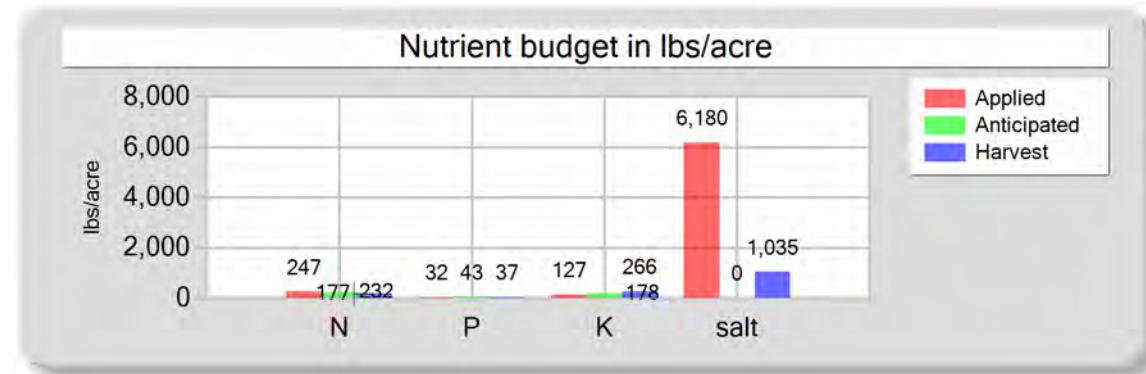
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	328.90	89.93	637.31	2,955.74
Fresh water	48.22	0.00	0.00	2,779.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	384.13	89.93	637.31	5,735.25
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00
Actual crop nutrient removal	401.87	61.58	596.32	2,127.64
Nutrient balance	-17.74	28.35	40.99	3,607.61
Applied to removed ratio	0.96	1.46	1.07	2.70

Fresh water applied
40,862,520.00 gallons
1,504.83 acre-inches
19.54 inches/acre
Process wastewater applied
16,056,000.00 gallons
591.29 acre-inches
7.68 inches/acre
Total harvests for the crop
1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1001 - 06/12/2023: Corn, silage

Field name: T1001 Crop: Corn, silage Plant date: 06/12/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	150.83	32.31	127.27	811.43
Fresh water	69.06	0.00	0.00	5,368.75
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	246.89	32.31	127.27	6,180.18
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00
Actual crop nutrient removal	177.47	36.97	266.20	1,035.21
Nutrient balance	69.42	-4.66	-138.92	5,144.97
Applied to removed ratio	1.39	0.87	0.48	5.97

Fresh water applied
77,150,160.00 gallons
2,841.18 acre-inches
36.90 inches/acre

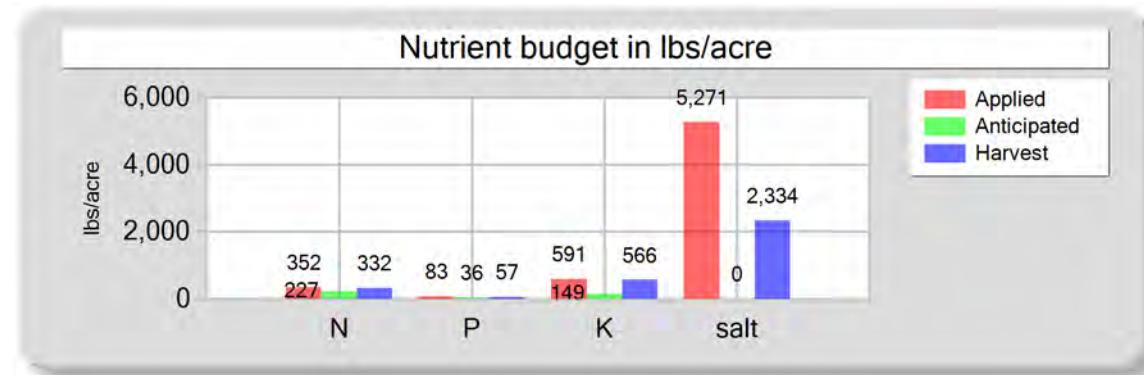
Process wastewater applied
4,815,000.00 gallons
177.32 acre-inches
2.30 inches/acre

Total harvests for the crop
1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1002 - 09/15/2022: Rye Grass Silage

Field name: T1002Crop: Rye Grass SilagePlant date: 09/15/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	301.01	82.64	591.21	2,720.54
Fresh water	44.26	0.00	0.00	2,550.89
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	352.27	82.64	591.21	5,271.43
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00
Actual crop nutrient removal	331.77	56.88	565.59	2,334.10
Nutrient balance	20.49	25.76	25.62	2,937.34
Applied to removed ratio	1.06	1.45	1.05	2.26

Fresh water applied
37,014,480.00 gallons
1,363.12 acre-inches
17.94 inches/acre

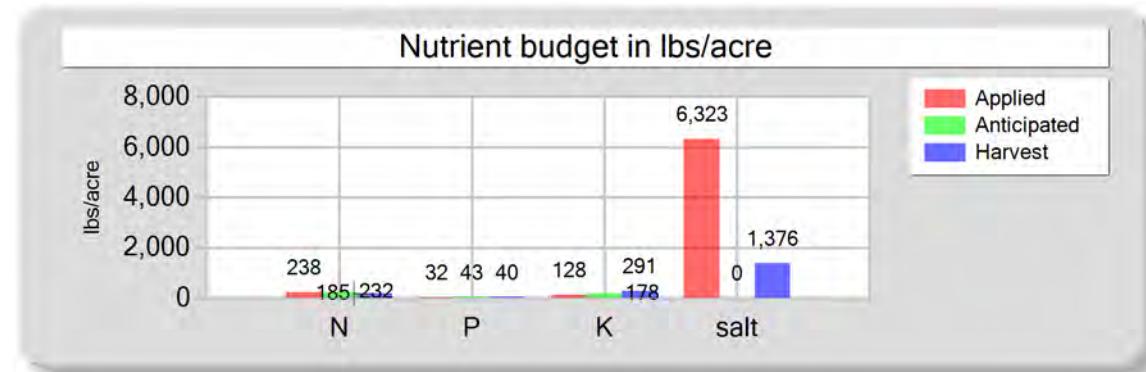
Process wastewater applied
14,544,000.00 gallons
535.61 acre-inches
7.05 inches/acre

Total harvests for the crop
1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1002 - 06/09/2023: Corn, silage

Field name: T1002 Crop: Corn, silage Plant date: 06/09/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	149.07	32.13	128.23	814.64
Fresh water	62.43	0.00	0.00	5,508.23
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	238.50	32.13	128.23	6,322.87
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00
Actual crop nutrient removal	185.23	39.69	291.08	1,376.02
Nutrient balance	53.27	-7.57	-162.85	4,946.86
Applied to removed ratio	1.29	0.81	0.44	4.60

Fresh water applied
79,754,040.00 gallons
2,937.07 acre-inches
38.65 inches/acre

Process wastewater applied
4,770,000.00 gallons
175.66 acre-inches
2.31 inches/acre

Total harvests for the crop
1 harvests

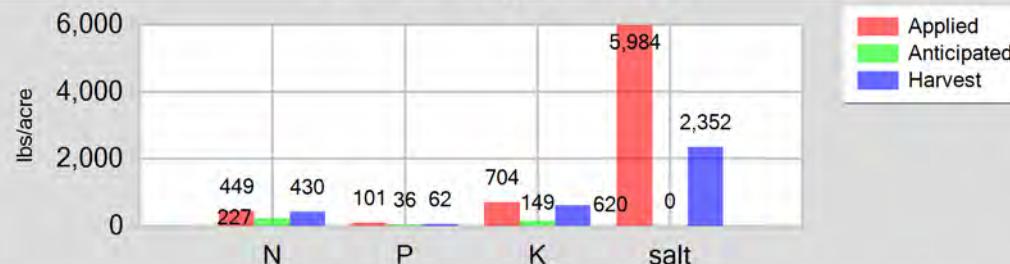
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1003 - 09/15/2022: Rye Grass Silage

Field name: T1003Crop: Rye Grass SilagePlant date: 09/15/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	372.00	100.96	704.06	3,303.02
Fresh water	69.89	0.00	0.00	2,680.70
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	448.90	100.96	704.06	5,983.72
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00
Actual crop nutrient removal	429.55	61.95	619.54	2,351.76
Nutrient balance	19.35	39.00	84.52	3,631.96
Applied to removed ratio	1.05	1.63	1.14	2.54

Fresh water applied

7,664,520.00 gallons
282.26 acre-inches
17.64 inches/acre

Process wastewater applied

3,744,000.00 gallons
137.88 acre-inches
8.62 inches/acre

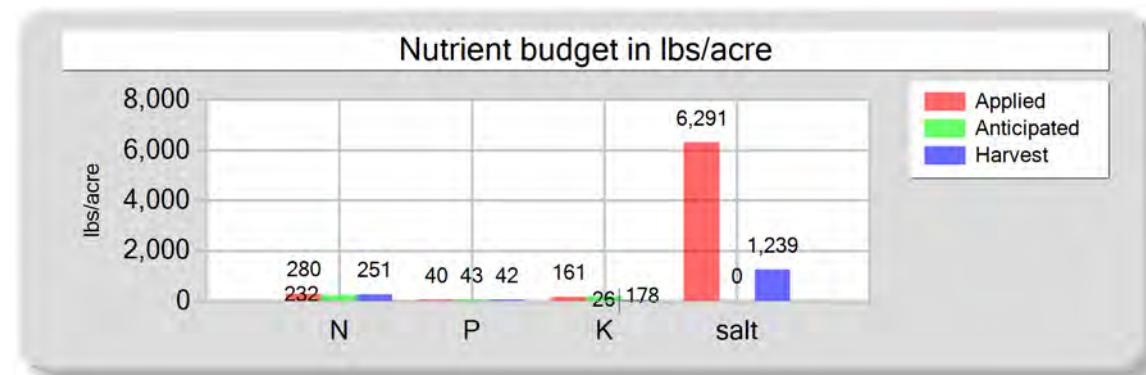
Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1003 - 06/14/2023: Corn, silage

Field name: T1003 Crop: Corn, silage Plant date: 06/14/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	187.18	40.33	160.87	1,022.13
Fresh water	65.62	0.00	0.00	5,268.39
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	279.80	40.33	160.87	6,290.53
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00
Actual crop nutrient removal	251.50	41.92	26.20	1,239.25
Nutrient balance	28.30	-1.59	134.67	5,051.28
Applied to removed ratio	1.11	0.96	6.14	5.08

Fresh water applied
16,065,720.00 gallons
591.65 acre-inches
36.98 inches/acre

Process wastewater applied
1,260,000.00 gallons
46.40 acre-inches
2.90 inches/acre

Total harvests for the crop
1 harvests

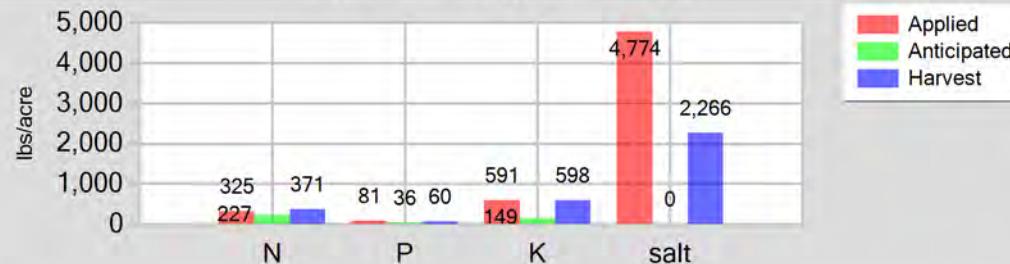
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1004 - 09/13/2022: Rye Grass Silage

Field name: T1004Crop: Rye Grass SilagePlant date: 09/13/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	31,449,600.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,158.18 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	17.82 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	293.28	81.06	590.82	2,665.51	Process wastewater applied
Fresh water	24.89	0.00	0.00	2,108.50	12,096,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	445.45 acre-inches
Total nutrients applied	325.17	81.06	590.82	4,774.02	6.85 inches/acre
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	
Actual crop nutrient removal	371.03	60.17	598.33	2,265.80	Total harvests for the crop
Nutrient balance	-45.86	20.90	-7.51	2,508.21	1 harvests
Applied to removed ratio	0.88	1.35	0.99	2.11	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

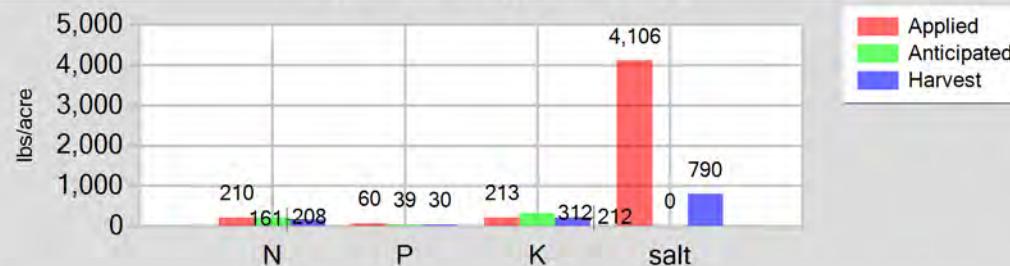
T1004 - 06/14/2023: Tomato

Field name: T1004

Crop: Tomato

Plant date: 06/14/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	30.00	0.00	0.00	0.00
Dry manure	131.20	60.35	212.54	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	41.58	0.00	0.00	4,105.70
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	209.78	60.35	212.54	4,105.70
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	161.19	30.22	211.56	789.81
Nutrient balance	48.59	30.13	0.99	3,315.89
Applied to removed ratio	1.30	2.00	1.00	5.20

Fresh water applied

50,850,000.00 gallons
1,872.63 acre-inches
28.81 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

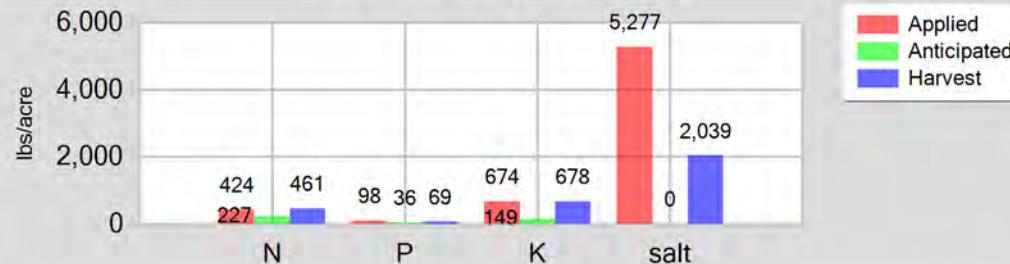
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005 - 09/13/2022: Rye Grass Silage

Field name: T1005Crop: Rye Grass SilagePlant date: 09/13/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	7,378,560.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	271.73 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	16.98 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	365.18	98.43	673.88	3,218.62	3,672,000.00 gallons
Fresh water	52.19	0.00	0.00	2,058.79	135.23 acre-inches
Atmospheric deposition	7.00	0.00	0.00	0.00	8.45 inches/acre
Total nutrients applied	424.37	98.43	673.88	5,277.42	
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	
Actual crop nutrient removal	460.78	69.12	678.00	2,038.93	
Nutrient balance	-36.40	29.31	-4.12	3,238.49	
Applied to removed ratio	0.92	1.42	0.99	2.59	
Total harvests for the crop					1 harvests

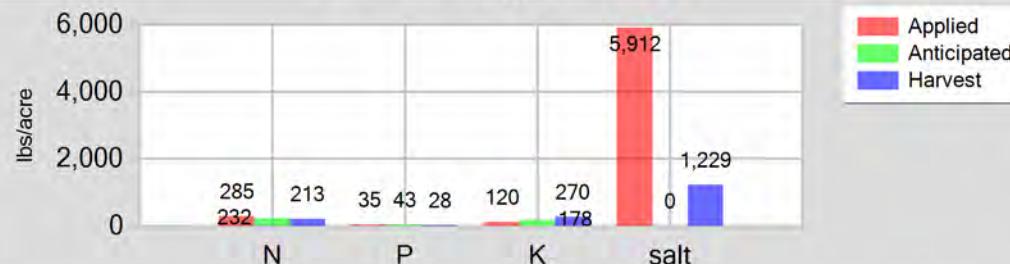
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005 - 06/14/2023: Corn, silage

Field name: T1005Crop: Corn, silagePlant date: 06/14/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	16,365,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	602.67 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	37.67 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	175.87	35.42	120.31	800.34	Process wastewater applied
Fresh water	82.14	0.00	0.00	5,111.79	990,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	36.46 acre-inches
Total nutrients applied	285.00	35.42	120.31	5,912.13	2.28 inches/acre
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00	
Actual crop nutrient removal	213.27	28.44	270.14	1,229.16	Total harvests for the crop
Nutrient balance	71.73	6.99	-149.84	4,682.98	1 harvests
Applied to removed ratio	1.34	1.25	0.45	4.81	

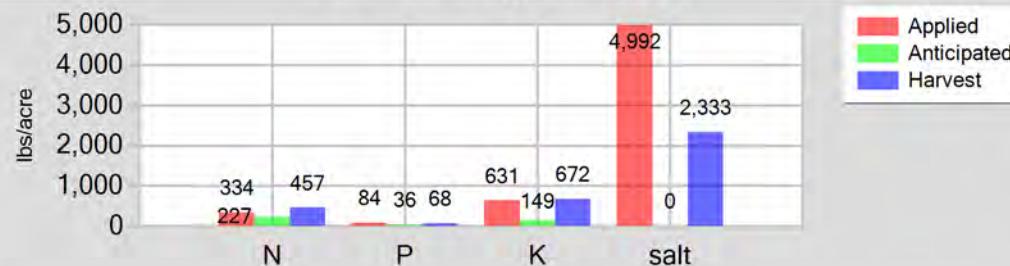
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1006 - 09/09/2022: Rye Grass Silage

Field name: T1006Crop: Rye Grass SilagePlant date: 09/09/2022

Nutrient budget in lbs/acre

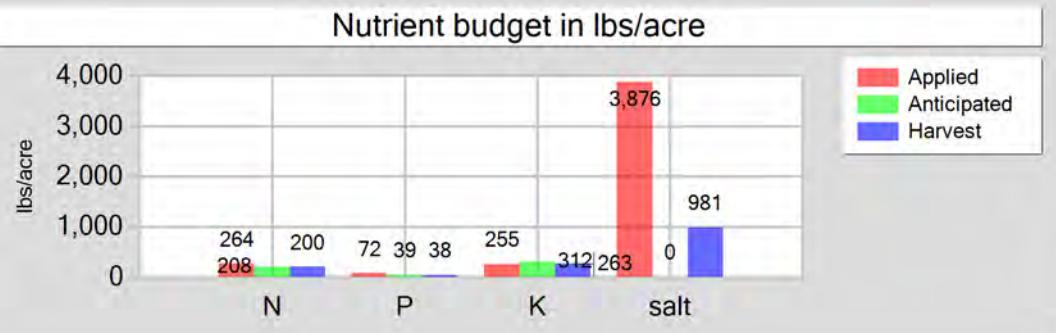


	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	32,760,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,206.44 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	18.56 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	300.87	84.29	630.95	2,795.94	Process wastewater applied
Fresh water	25.92	0.00	0.00	2,196.36	12,600,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	464.02 acre-inches
Total nutrients applied	333.79	84.29	630.95	4,992.30	7.14 inches/acre
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	Total harvests for the crop
Actual crop nutrient removal	457.43	67.90	671.85	2,333.10	1 harvests
Nutrient balance	-123.63	16.39	-40.90	2,659.20	
Applied to removed ratio	0.73	1.24	0.94	2.14	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1006 - 06/06/2023: Tomato

Field name: T1006 Crop: Tomato Plant date: 06/06/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	51,231,600.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,886.69 acre-inches
Commercial fertilizer / Other	30.00	0.00	0.00	0.00	29.03 inches/acre
Dry manure	157.44	72.42	255.05	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	70.06	0.00	0.00	3,875.51	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	264.50	72.42	255.05	3,875.51	
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00	
Actual crop nutrient removal	200.20	37.54	262.76	980.96	
Nutrient balance	64.30	34.89	-7.71	2,894.55	
Applied to removed ratio	1.32	1.93	0.97	3.95	
Total harvests for the crop					1 harvests

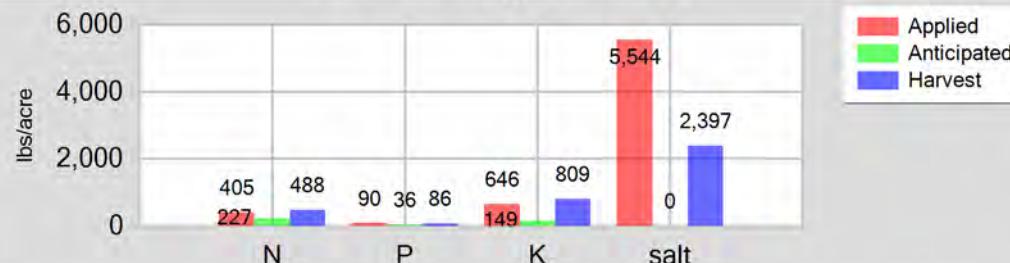
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007 - 09/09/2022: Rye Grass Silage

Field name: T1007Crop: Rye Grass SilagePlant date: 09/09/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	327.31	89.93	646.47	2,951.54
Fresh water	70.64	0.00	0.00	2,592.25
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	404.94	89.93	646.47	5,543.79
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00
Actual crop nutrient removal	487.95	85.84	808.73	2,397.04
Nutrient balance	-83.01	4.09	-162.26	3,146.75
Applied to removed ratio	0.83	1.05	0.80	2.31

Fresh water applied

33,732,720.00 gallons
1,242.26 acre-inches
17.25 inches/acre

Process wastewater applied

14,904,000.00 gallons
548.86 acre-inches
7.62 inches/acre

Total harvests for the crop

1 harvests

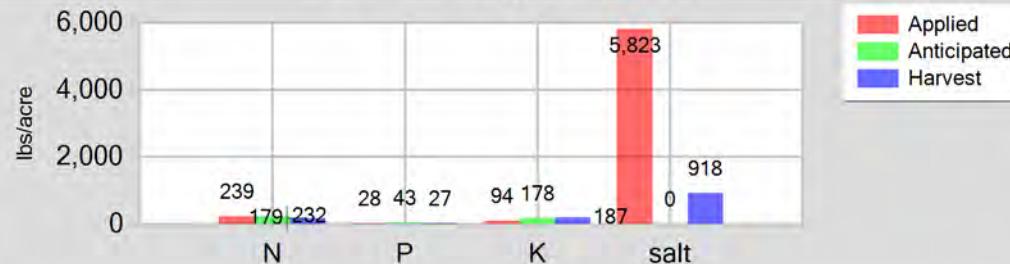
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007 - 06/12/2023: Corn, silage

Field name: T1007Crop: Corn, silagePlant date: 06/12/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	136.79	27.55	93.57	622.48
Fresh water	74.92	0.00	0.00	5,200.48
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	238.70	27.55	93.57	5,822.97
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00
Actual crop nutrient removal	179.37	26.71	187.00	918.36
Nutrient balance	59.33	0.84	-93.43	4,904.60
Applied to removed ratio	1.33	1.03	0.50	6.34

Fresh water applied

77,181,600.00 gallons
2,842.34 acre-inches
39.48 inches/acre

Process wastewater applied

3,465,000.00 gallons
127.60 acre-inches
1.77 inches/acre

Total harvests for the crop

1 harvests

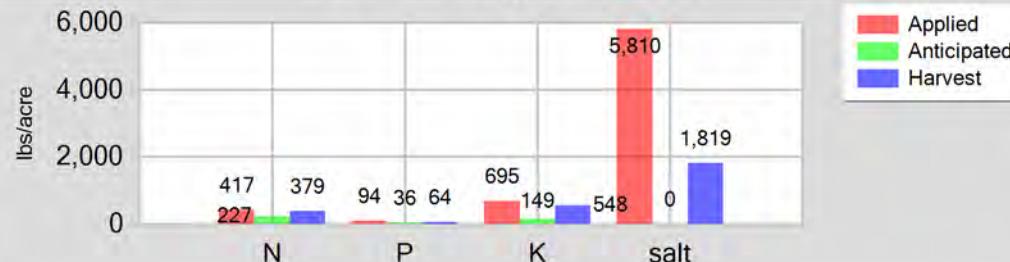
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1008 - 09/09/2022: Rye Grass Silage

Field name: T1008Crop: Rye Grass SilagePlant date: 09/09/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	16,621,920.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	612.13 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	18.00 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	335.81	93.69	694.64	3,104.93	Process wastewater applied
Fresh water	73.71	0.00	0.00	2,704.95	7,344,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	270.45 acre-inches
Total nutrients applied	416.52	93.69	694.64	5,809.88	7.95 inches/acre
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	
Actual crop nutrient removal	378.93	63.78	547.76	1,818.56	Total harvests for the crop
Nutrient balance	37.59	29.91	146.88	3,991.33	1 harvests
Applied to removed ratio	1.10	1.47	1.27	3.19	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

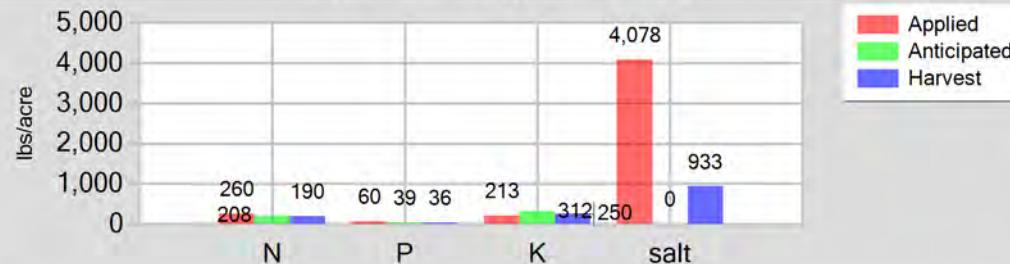
T1008 - 06/06/2023: Tomato

Field name: T1008

Crop: Tomato

Plant date: 06/06/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	30.00	0.00	0.00	0.00
Dry manure	131.20	60.35	212.54	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	91.47	0.00	0.00	4,078.39
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	259.67	60.35	212.54	4,078.39
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	190.49	35.72	250.02	933.42
Nutrient balance	69.18	24.63	-37.48	3,144.97
Applied to removed ratio	1.36	1.69	0.85	4.37

Fresh water applied

26,389,440.00 gallons
971.83 acre-inches
28.58 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

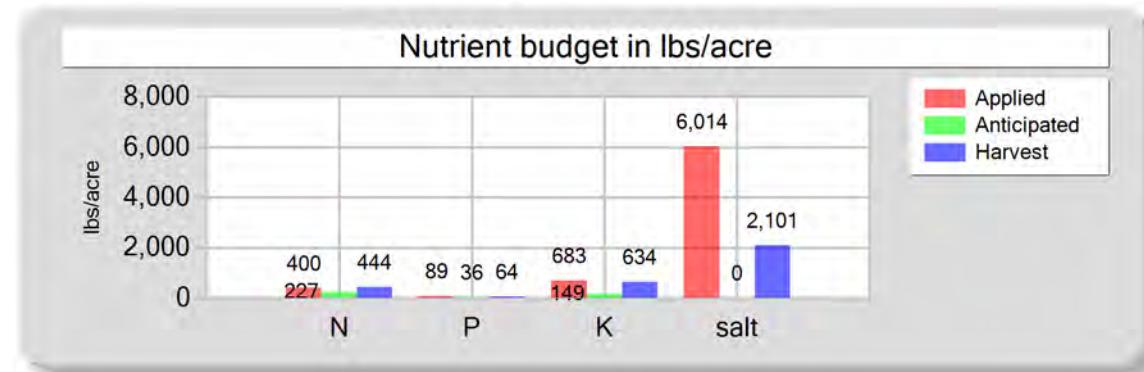
Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1009 - 09/09/2022: Rye Grass Silage

Field name: T1009Crop: Rye Grass SilagePlant date: 09/09/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	14,174,680.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	522.01 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	17.40 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	311.35	88.56	682.53	2,965.55	Process wastewater applied
Fresh water	82.01	0.00	0.00	3,048.20	6,120,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	225.38 acre-inches
Total nutrients applied	400.35	88.56	682.53	6,013.75	7.51 inches/acre
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	
Actual crop nutrient removal	443.84	64.37	633.57	2,100.94	Total harvests for the crop
Nutrient balance	-43.48	24.18	48.97	3,912.81	1 harvests
Applied to removed ratio	0.90	1.38	1.08	2.86	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

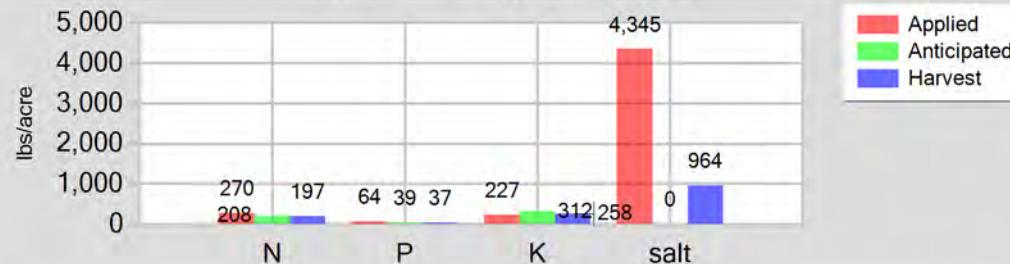
T1009 - 06/05/2023: Tomato

Field name: T1009

Crop: Tomato

Plant date: 06/05/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	30.00	0.00	0.00	0.00
Dry manure	139.95	64.38	226.71	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	92.56	0.00	0.00	4,345.05
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	269.51	64.38	226.71	4,345.05
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	196.75	36.89	258.23	964.06
Nutrient balance	72.76	27.49	-31.52	3,380.99
Applied to removed ratio	1.37	1.75	0.88	4.51

Fresh water applied

23,536,800.00 gallons
866.78 acre-inches
28.89 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

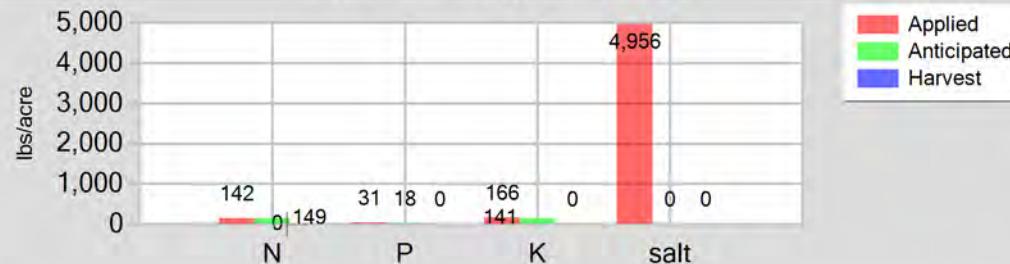
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T101 - 01/01/2020: Almond, in shell

Field name: T101Crop: Almond, in shellPlant date: 01/01/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	106,522,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,922.84 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	34.72 inches/acre
Dry manure	82.05	30.91	166.34	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	26.41	0.00	0.00	4,955.96	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	142.46	30.91	166.34	4,955.96	Process wastewater applied
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	0.00 gallons
Actual crop nutrient removal	0.00	0.00	0.00	0.00	0.00 acre-inches
Nutrient balance	142.46	30.91	166.34	4,955.96	0.00 inches/acre
Applied to removed ratio	0.00	0.00	0.00	0.00	Total harvests for the crop
					1 harvests

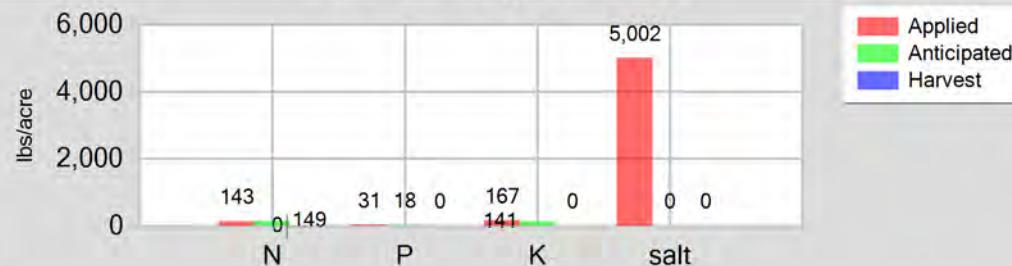
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T102 - 01/01/2020: Almond, in shell

Field name: T102Crop: Almond, in shellPlant date: 01/01/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	90,387,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,328.65 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	35.04 inches/acre
Dry manure	82.23	30.98	166.71	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	26.66	0.00	0.00	5,002.06	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	142.88	30.98	166.71	5,002.06	
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	
Actual crop nutrient removal	0.00	0.00	0.00	0.00	
Nutrient balance	142.88	30.98	166.71	5,002.06	
Applied to removed ratio	0.00	0.00	0.00	0.00	

Fresh water applied

90,387,000.00 gallons

3,328.65 acre-inches

35.04 inches/acre

Process wastewater applied

0.00 gallons

0.00 acre-inches

0.00 inches/acre

Total harvests for the crop

1 harvests

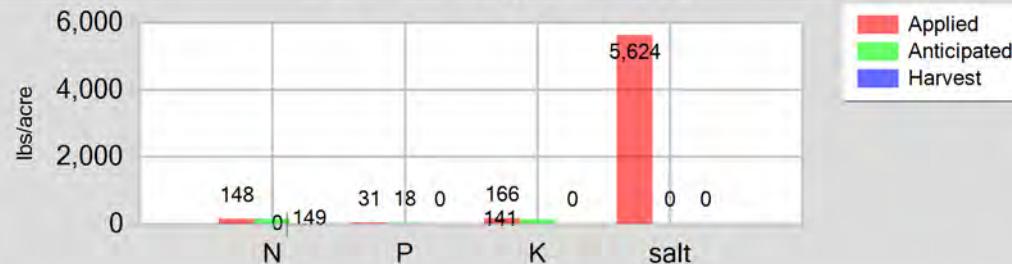
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T103 - 01/01/2020: Almond, in shell

Field name: T103Crop: Almond, in shellPlant date: 01/01/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	93,439,440.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,441.06 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	35.84 inches/acre
Dry manure	82.01	30.90	166.27	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	31.56	0.00	0.00	5,623.76	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	147.57	30.90	166.27	5,623.76	
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	
Actual crop nutrient removal	0.00	0.00	0.00	0.00	
Nutrient balance	147.57	30.90	166.27	5,623.76	
Applied to removed ratio	0.00	0.00	0.00	0.00	
Process wastewater applied					0.00 gallons
					0.00 acre-inches
					0.00 inches/acre
Total harvests for the crop					1 harvests

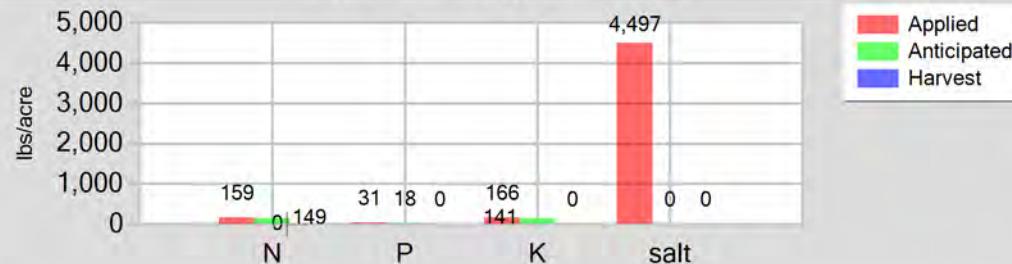
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T104 - 01/01/2020: Almond, in shell

Field name: T104Crop: Almond, in shellPlant date: 01/01/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	69,006,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,541.26 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	35.30 inches/acre
Dry manure	81.66	30.76	165.55	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	43.56	0.00	0.00	4,496.93	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	159.22	30.76	165.55	4,496.93	Process wastewater applied
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	0.00 gallons
Actual crop nutrient removal	0.00	0.00	0.00	0.00	0.00 acre-inches
Nutrient balance	159.22	30.76	165.55	4,496.93	0.00 inches/acre
Applied to removed ratio	0.00	0.00	0.00	0.00	Total harvests for the crop
					1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

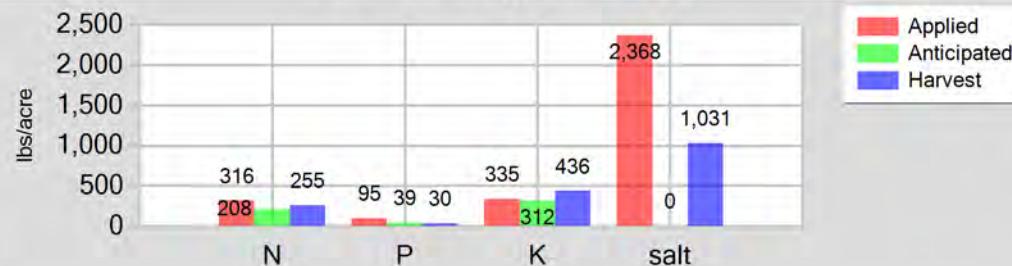
T1101 - 05/19/2023: Tomato

Field name: T1101

Crop: Tomato

Plant date: 05/19/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	40.00	0.00	0.00	0.00
Dry manure	206.95	95.20	335.26	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	55.10	0.00	0.00	2,368.36
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	316.05	95.20	335.26	2,368.36
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	255.41	30.05	435.70	1,030.96
Nutrient balance	60.63	65.15	-100.44	1,337.40
Applied to removed ratio	1.24	3.17	0.77	2.30

Fresh water applied

41,310,000.00 gallons
1,521.31 acre-inches
28.70 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

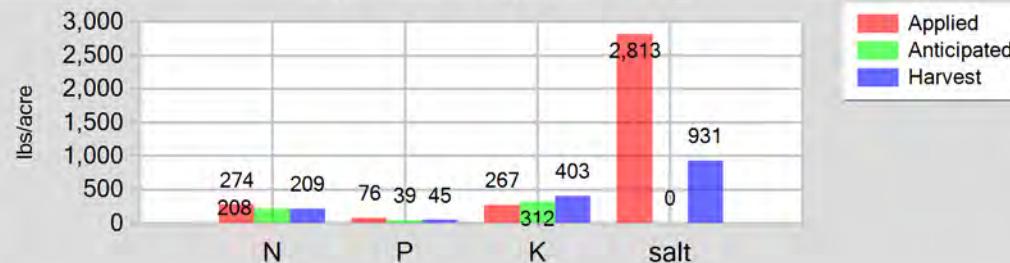
T1102 - 05/19/2023: Tomato

Field name: T1102

Crop: Tomato

Plant date: 05/19/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	37,818,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,392.71 acre-inches
Commercial fertilizer / Other	40.00	0.00	0.00	0.00	29.01 inches/acre
Dry manure	164.55	75.69	266.57	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	55.17	0.00	0.00	2,813.22	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	273.72	75.69	266.57	2,813.22	Process wastewater applied
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00	0.00 gallons
Actual crop nutrient removal	209.13	44.81	403.31	930.76	0.00 acre-inches
Nutrient balance	64.59	30.88	-136.75	1,882.47	0.00 inches/acre
Applied to removed ratio	1.31	1.69	0.66	3.02	Total harvests for the crop
					1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

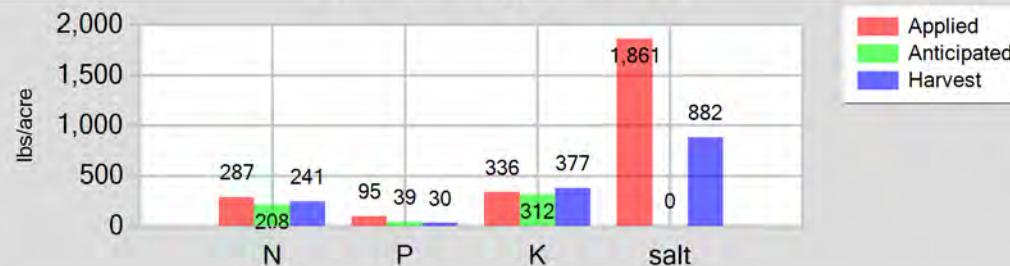
T1103 - 05/25/2023: Tomato

Field name: T1103

Crop: Tomato

Plant date: 05/25/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	40.00	0.00	0.00	0.00
Dry manure	207.53	95.47	336.21	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	25.81	0.00	0.00	1,860.92
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	287.35	95.47	336.21	1,860.92
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	241.02	30.13	376.59	882.13
Nutrient balance	46.33	65.34	-40.38	978.79
Applied to removed ratio	1.19	3.17	0.89	2.11

Fresh water applied

34,324,500.00 gallons
1,264.05 acre-inches
28.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

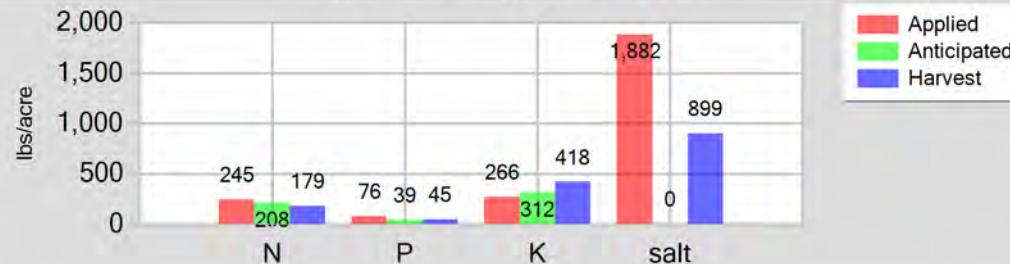
T1104 - 05/25/2023: Tomato

Field name: T1104

Crop: Tomato

Plant date: 05/25/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	40.00	0.00	0.00	0.00
Dry manure	164.40	75.62	266.33	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	26.11	0.00	0.00	1,882.14
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	244.51	75.62	266.33	1,882.14
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	179.22	44.80	418.17	899.07
Nutrient balance	65.29	30.82	-151.84	983.07
Applied to removed ratio	1.36	1.69	0.64	2.09

Fresh water applied

38,661,000.00 gallons
1,423.75 acre-inches
29.06 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

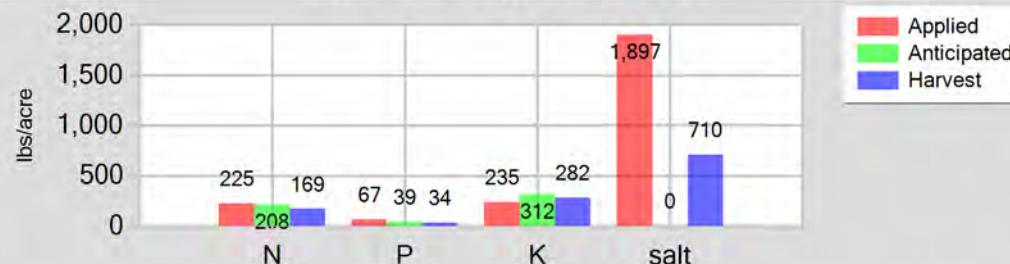
T1105 - 06/07/2023: Tomato

Field name: T1105

Crop: Tomato

Plant date: 06/07/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	40.00	0.00	0.00	0.00
Dry manure	144.92	66.66	234.76	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	26.31	0.00	0.00	1,896.78
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	225.23	66.66	234.76	1,896.78
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	169.43	33.89	282.39	710.48
Nutrient balance	55.79	32.78	-47.62	1,186.30
Applied to removed ratio	1.33	1.97	0.83	2.67

Fresh water applied

34,986,000.00 gallons
1,288.42 acre-inches
29.28 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

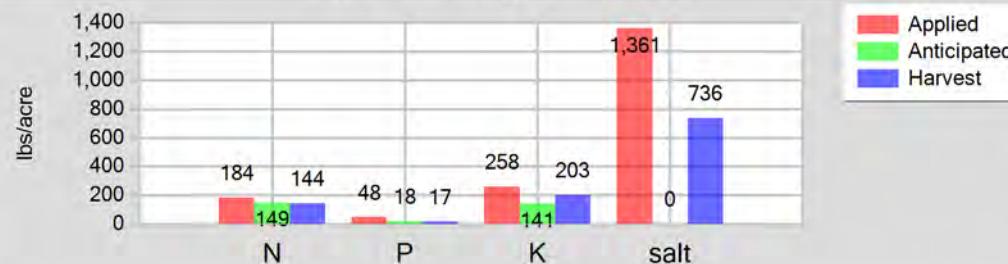
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1106 - 01/01/2007: Almond, in shell

Field name: T1106Crop: Almond, in shellPlant date: 01/01/2007

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	127.36	47.98	258.21	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	22.28	0.00	0.00	1,361.12
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	183.65	47.98	258.21	1,361.12
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	144.32	16.65	203.15	736.15
Nutrient balance	39.33	31.33	55.06	624.97
Applied to removed ratio	1.27	2.88	1.27	1.85

Fresh water applied

47,944,560.00 gallons
1,765.64 acre-inches
38.38 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

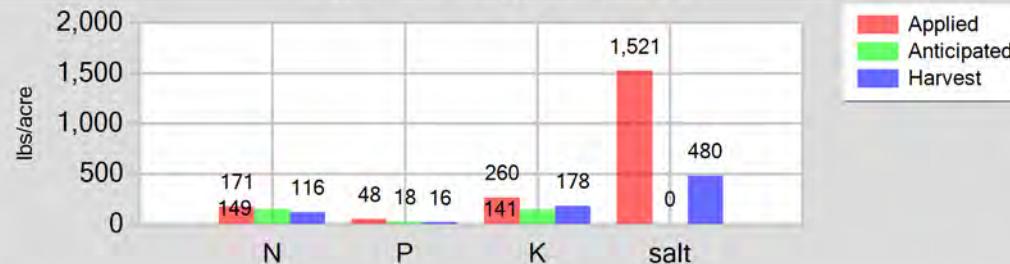
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1107 - 01/01/2007: Almond, in shell

Field name: T1107Crop: Almond, in shellPlant date: 01/01/2007

Nutrient budget in lbs/acre

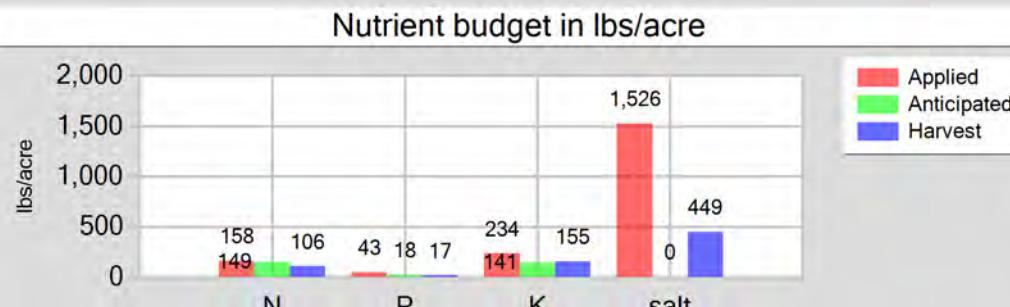


	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	155,994,960.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	5,744.76 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	37.79 inches/acre
Dry manure	128.48	48.40	260.48	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	8.56	0.00	0.00	1,520.56	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	171.04	48.40	260.48	1,520.56	
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	
Actual crop nutrient removal	116.38	16.38	178.45	480.00	
Nutrient balance	54.67	32.02	82.03	1,040.56	
Applied to removed ratio	1.47	2.95	1.46	3.17	
Process wastewater applied					0.00 gallons
					0.00 acre-inches
					0.00 inches/acre
Total harvests for the crop					1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1108 - 01/01/2007: Almond, in shell

Field name: T1108Crop: Almond, in shellPlant date: 01/01/2007

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	115.32	43.44	233.80	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	8.60	0.00	0.00	1,526.41
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	157.92	43.44	233.80	1,526.41
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	105.66	17.18	154.63	449.32
Nutrient balance	52.26	26.26	79.17	1,077.10
Applied to removed ratio	1.49	2.53	1.51	3.40

Fresh water applied
145,263,120.00 gallons
5,349.55 acre-inches
37.94 inches/acre

Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop
1 harvests

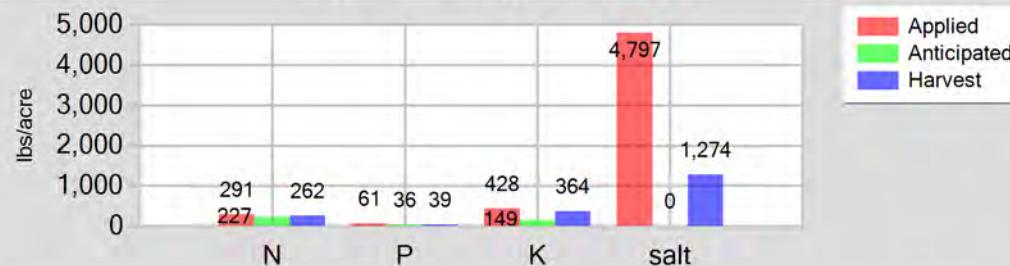
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1201 - 10/12/2022: Rye Grass Silage

Field name: T1201Crop: Rye Grass SilagePlant date: 10/12/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	226.44	61.42	428.07	2,007.51
Fresh water	57.71	0.00	0.00	2,789.76
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	291.15	61.42	428.07	4,797.26
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00
Actual crop nutrient removal	261.85	39.13	364.18	1,274.20
Nutrient balance	29.30	22.29	63.90	3,523.06
Applied to removed ratio	1.11	1.57	1.18	3.76

Fresh water applied

34,625,700.00 gallons
1,275.15 acre-inches
17.00 inches/acre

Process wastewater applied

10,665,000.00 gallons
392.76 acre-inches
5.24 inches/acre

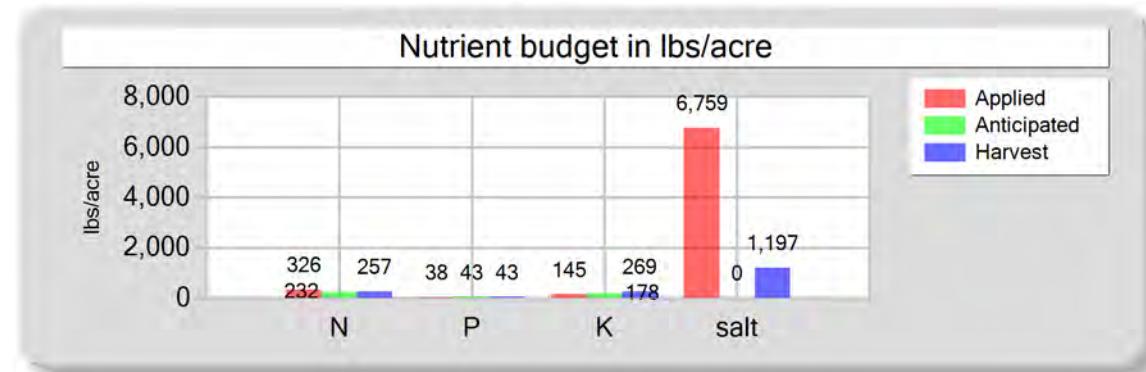
Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1201 - 06/06/2023: Corn, silage

Field name: T1201 Crop: Corn, silage Plant date: 06/06/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	180.67	38.11	145.06	933.61
Fresh water	118.72	0.00	0.00	5,825.22
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	326.39	38.11	145.06	6,758.83
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00
Actual crop nutrient removal	256.66	42.78	268.88	1,196.75
Nutrient balance	69.73	-4.67	-123.81	5,562.08
Applied to removed ratio	1.27	0.89	0.54	5.65

Fresh water applied
 72,201,000.00 gallons
 2,658.92 acre-inches
 35.45 inches/acre

Process wastewater applied
 5,400,000.00 gallons
 198.86 acre-inches
 2.65 inches/acre

Total harvests for the crop
 1 harvests

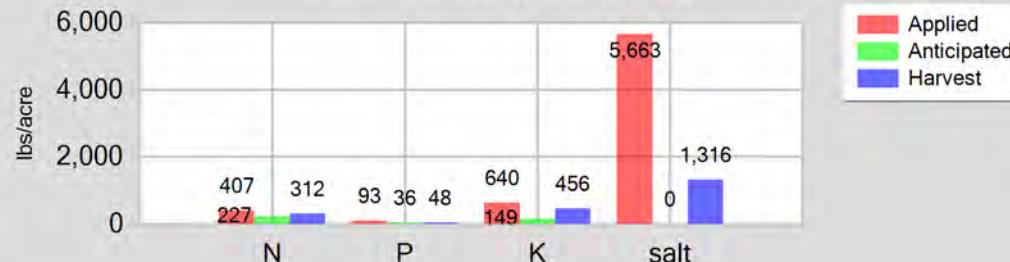
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1202 - 10/12/2022: Rye Grass Silage

Field name: T1202Crop: Rye Grass SilagePlant date: 10/12/2022

Nutrient budget in lbs/acre

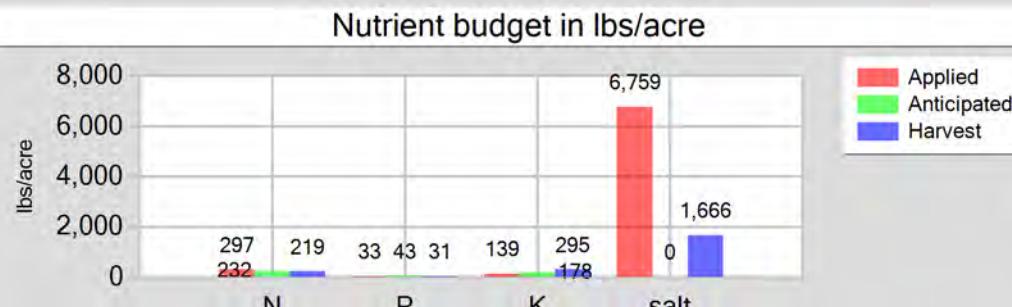


	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	33,164,700.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,221.34 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	16.07 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	345.86	93.15	639.75	3,026.49	Process wastewater applied
Fresh water	54.55	0.00	0.00	2,636.89	16,344,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	601.89 acre-inches
Total nutrients applied	407.40	93.15	639.75	5,663.38	7.92 inches/acre
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	Total harvests for the crop
Actual crop nutrient removal	312.04	47.86	455.61	1,315.82	1 harvests
Nutrient balance	95.36	45.29	184.14	4,347.56	
Applied to removed ratio	1.31	1.95	1.40	4.30	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1202 - 05/15/2023: Corn, silage

Field name: T1202 Crop: Corn, silage Plant date: 05/15/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	149.93	33.12	139.10	871.91
Fresh water	119.92	0.00	0.00	5,886.83
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	296.84	33.12	139.10	6,758.74
Anticipated crop nutrient removal	232.20	43.20	178.20	0.00
Actual crop nutrient removal	218.74	31.25	294.63	1,666.11
Nutrient balance	78.10	1.88	-155.52	5,092.63
Applied to removed ratio	1.36	1.06	0.47	4.06

Fresh water applied
73,934,100.00 gallons
2,722.74 acre-inches
35.83 inches/acre

Process wastewater applied
5,100,000.00 gallons
187.82 acre-inches
2.47 inches/acre

Total harvests for the crop
1 harvests

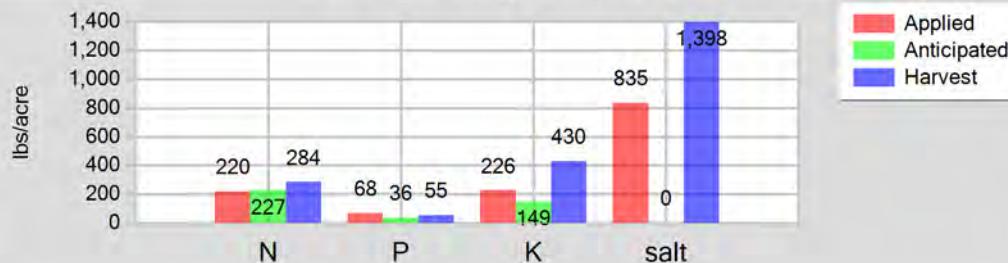
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T201 - 11/14/2022: Rye Grass Silage

Field name: T201Crop: Rye Grass SilagePlant date: 11/14/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	203.90	67.71	225.69	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	9.32	0.00	0.00	835.07
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	220.21	67.71	225.69	835.07
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00
Actual crop nutrient removal	283.85	54.94	430.35	1,398.35
Nutrient balance	-63.64	12.77	-204.66	-563.28
Applied to removed ratio	0.78	1.23	0.52	0.60

Fresh water applied

31,630,200.00 gallons
1,164.83 acre-inches
15.33 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

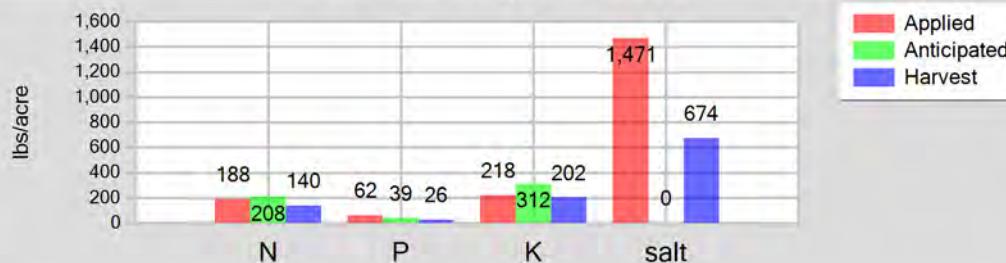
T201 - 06/09/2023: Tomato

Field name: T201

Crop: Tomato

Plant date: 06/09/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	30.00	0.00	0.00	0.00
Dry manure	134.65	61.94	218.14	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	16.41	0.00	0.00	1,471.05
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	188.07	61.94	218.14	1,471.05
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00
Actual crop nutrient removal	140.32	26.31	201.72	674.08
Nutrient balance	47.74	35.63	16.42	796.97
Applied to removed ratio	1.34	2.35	1.08	2.18

Fresh water applied

59,404,200.00 gallons
2,187.65 acre-inches
28.78 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

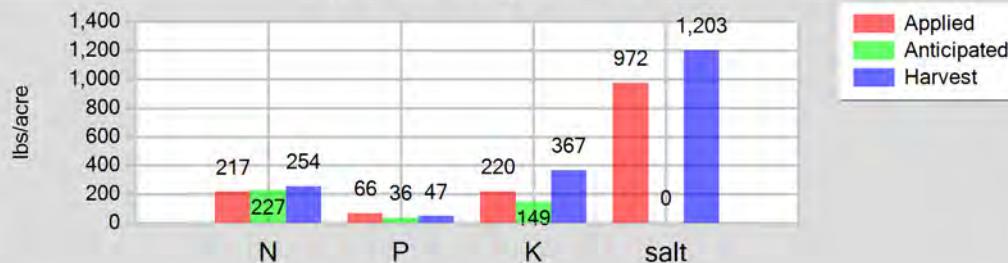
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T202 - 11/14/2022: Rye Grass Silage

Field name: T202Crop: Rye Grass SilagePlant date: 11/14/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	36,813,300.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,355.71 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	17.84 inches/acre
Dry manure	198.85	66.03	220.10	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	10.84	0.00	0.00	971.91	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	216.69	66.03	220.10	971.91	
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	
Actual crop nutrient removal	254.13	47.14	366.85	1,202.64	
Nutrient balance	-37.44	18.89	-146.75	-230.73	
Applied to removed ratio	0.85	1.40	0.60	0.81	
Process wastewater applied					0.00 gallons
					0.00 acre-inches
					0.00 inches/acre
Total harvests for the crop					1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

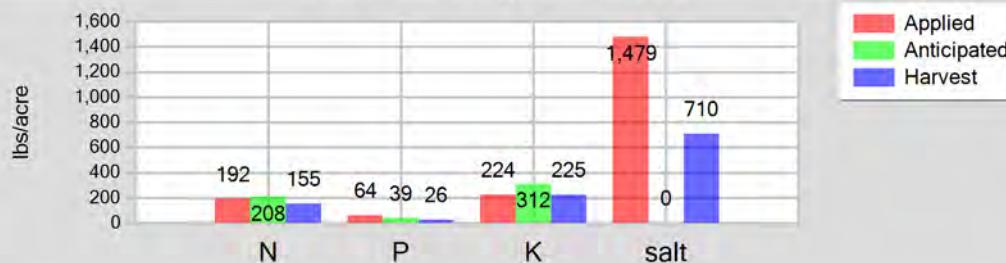
T202 - 06/09/2023: Tomato

Field name: T202

Crop: Tomato

Plant date: 06/09/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	59,732,400.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,199.74 acre-inches
Commercial fertilizer / Other	30.00	0.00	0.00	0.00	28.94 inches/acre
Dry manure	138.11	63.53	223.73	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	16.50	0.00	0.00	1,479.18	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	191.61	63.53	223.73	1,479.18	
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00	
Actual crop nutrient removal	155.44	25.91	224.52	709.84	
Nutrient balance	36.17	37.62	-0.79	769.34	
Applied to removed ratio	1.23	2.45	1.00	2.08	
Total harvests for the crop					1 harvests

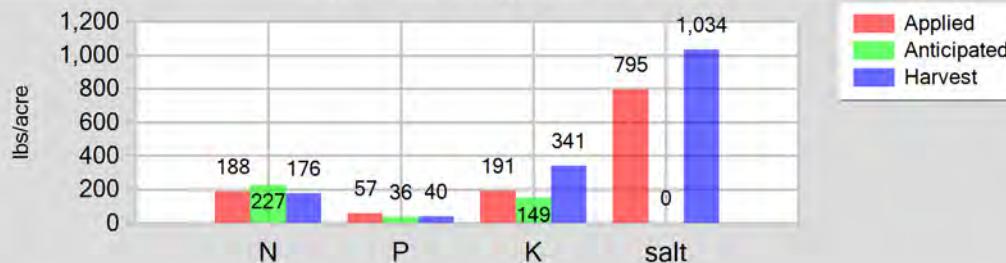
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T203 - 11/14/2022: Rye Grass Silage

Field name: T203Crop: Rye Grass SilagePlant date: 11/14/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	21,795,600.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	802.66 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.59 inches/acre
Dry manure	172.26	57.20	190.67	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	8.87	0.00	0.00	795.13	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	188.13	57.20	190.67	795.13	Process wastewater applied
Anticipated crop nutrient removal	226.80	36.00	149.40	0.00	0.00 gallons
Actual crop nutrient removal	176.47	39.96	341.29	1,033.91	0.00 acre-inches
Nutrient balance	11.65	17.24	-150.63	-238.78	0.00 inches/acre
Applied to removed ratio	1.07	1.43	0.56	0.77	Total harvests for the crop
					1 harvests

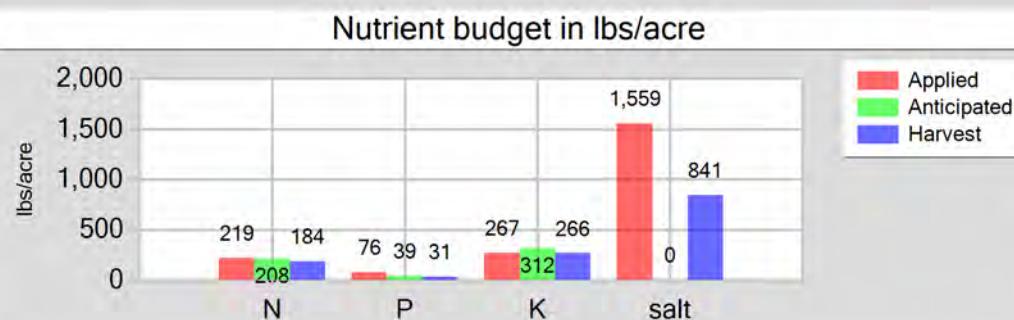
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T203 - 05/30/2023: Tomato

Field name: T203

Crop: Tomato

Plant date: 05/30/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	43,336,800.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,595.95 acre-inches
Commercial fertilizer / Other	30.00	0.00	0.00	0.00	29.02 inches/acre
Dry manure	164.83	75.82	267.03	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	17.39	0.00	0.00	1,558.70	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	219.22	75.82	267.03	1,558.70	Process wastewater applied
Anticipated crop nutrient removal	208.00	39.00	312.00	0.00	0.00 gallons
Actual crop nutrient removal	184.25	30.71	266.15	841.43	0.00 acre-inches
Nutrient balance	34.97	45.11	0.89	717.28	0.00 inches/acre
Applied to removed ratio	1.19	2.47	1.00	1.85	Total harvests for the crop
					1 harvests

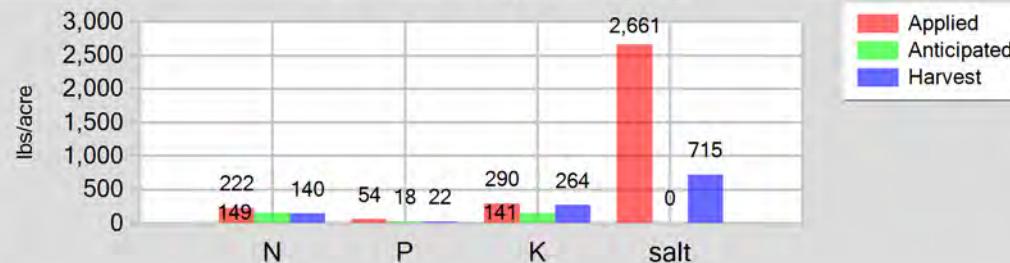
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T204 - 01/01/2020: Almond, in shell

Field name: T204Crop: Almond, in shellPlant date: 01/01/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	143.03	53.88	289.98	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	44.83	0.00	0.00	2,660.62
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	221.86	53.88	289.98	2,660.62
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	139.93	22.09	264.31	715.37
Nutrient balance	81.93	31.79	25.66	1,945.25
Applied to removed ratio	1.59	2.44	1.10	3.72

Fresh water applied

71,232,000.00 gallons
2,623.23 acre-inches
36.95 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

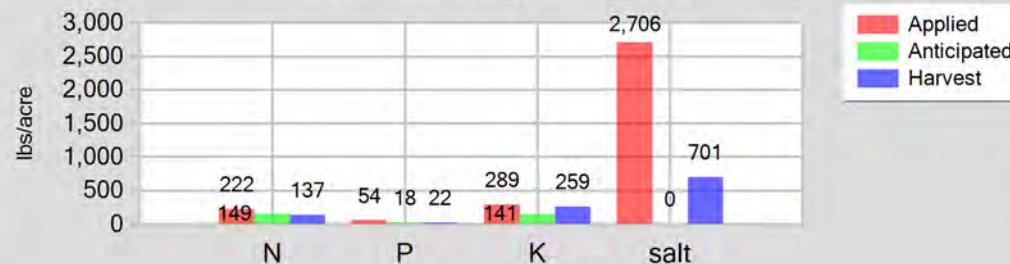
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T205 - 01/01/2020: Almond, in shell

Field name: T205Crop: Almond, in shellPlant date: 01/01/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	142.74	53.77	289.39	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	45.60	0.00	0.00	2,706.35
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	222.34	53.77	289.39	2,706.35
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	137.04	21.64	258.85	700.59
Nutrient balance	85.30	32.13	30.53	2,005.76
Applied to removed ratio	1.62	2.49	1.12	3.86

Fresh water applied

72,456,300.00 gallons
2,668.32 acre-inches
37.58 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

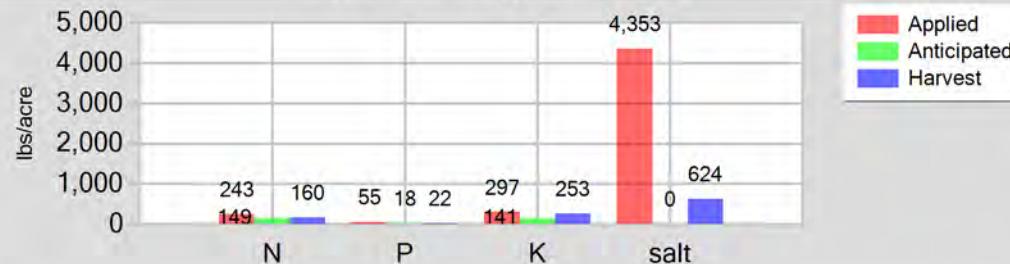
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T301 - 01/01/1995: Almond, in shell

Field name: T301Crop: Almond, in shellPlant date: 01/01/1995

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	146.52	55.20	297.06	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	62.07	0.00	0.00	4,353.19
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	242.60	55.20	297.06	4,353.19
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	160.07	22.29	253.28	624.48
Nutrient balance	82.52	32.91	43.78	3,728.71
Applied to removed ratio	1.52	2.48	1.17	6.97

Fresh water applied

48,840,000.00 gallons
1,798.61 acre-inches
38.27 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

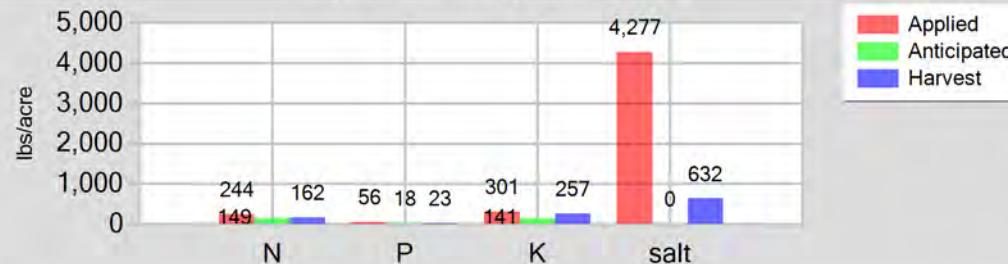
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T302 - 01/01/1991: Almond, in shell

Field name: T302Crop: Almond, in shellPlant date: 01/01/1991

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	148.51	55.95	301.09	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	60.99	0.00	0.00	4,277.08
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	243.50	55.95	301.09	4,277.08
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	162.11	22.57	256.50	632.43
Nutrient balance	81.39	33.37	44.59	3,644.65
Applied to removed ratio	1.50	2.48	1.17	6.76

Fresh water applied

50,028,000.00 gallons
1,842.36 acre-inches
37.60 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

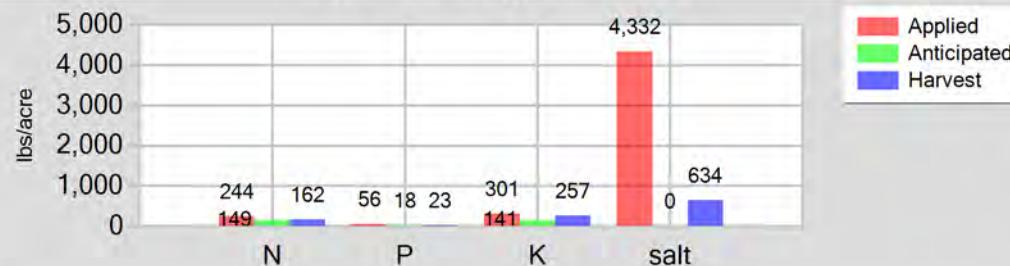
T303/306 - 01/01/2006: Almond, in shell

Field name: T303/306

Crop: Almond, in shell

Plant date: 01/01/2006

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	99,264,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,655.56 acre-inches
Commercial fertilizer / Other	20.00	0.00	0.00	0.00	38.08 inches/acre
Dry manure	148.61	55.98	301.29	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	61.77	0.00	0.00	4,331.62	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	244.37	55.98	301.29	4,331.62	
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	
Actual crop nutrient removal	162.46	22.62	257.05	633.79	
Nutrient balance	81.92	33.36	44.24	3,697.83	
Applied to removed ratio	1.50	2.47	1.17	6.83	
Process wastewater applied					0.00 gallons
					0.00 acre-inches
					0.00 inches/acre
Total harvests for the crop					1 harvests

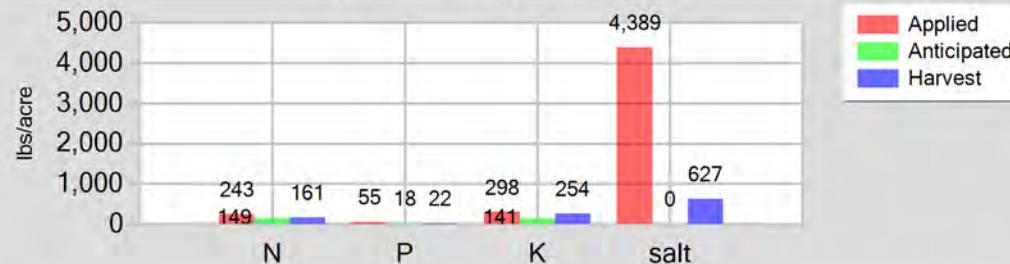
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T304 - 01/01/2006: Almond, in shell

Field name: T304Crop: Almond, in shellPlant date: 01/01/2006

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	146.90	55.34	297.82	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	62.59	0.00	0.00	4,389.22
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	243.48	55.34	297.82	4,389.22
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	160.72	22.38	254.30	627.01
Nutrient balance	82.76	32.96	43.51	3,762.22
Applied to removed ratio	1.51	2.47	1.17	7.00

Fresh water applied

50,292,000.00 gallons
1,852.08 acre-inches
38.59 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

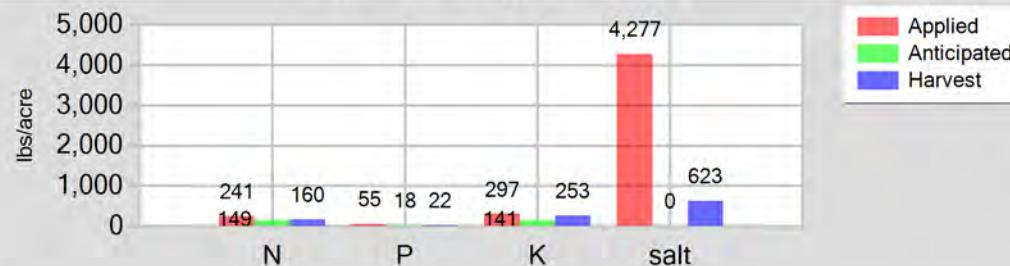
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T305 - 01/01/2007: Almond, in shell

Field name: T305Crop: Almond, in shellPlant date: 01/01/2007

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	20.00	0.00	0.00	0.00
Dry manure	146.41	55.16	296.84	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	60.99	0.00	0.00	4,277.08
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	241.40	55.16	296.84	4,277.08
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	159.80	22.25	252.85	623.42
Nutrient balance	81.60	32.91	43.99	3,653.66
Applied to removed ratio	1.51	2.48	1.17	6.86

Fresh water applied

50,028,000.00 gallons
1,842.36 acre-inches
37.60 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

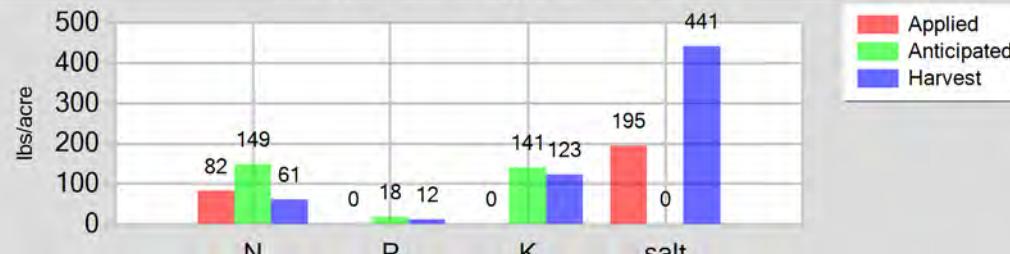
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T903 - 01/01/2015: Almond, in shell

Field name: T903Crop: Almond, in shellPlant date: 01/01/2015

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	80,236,800.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,954.85 acre-inches
Commercial fertilizer / Other	60.00	0.00	0.00	0.00	37.40 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	8.48	0.00	0.00	194.94	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	82.48	0.00	0.00	194.94	
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	
Actual crop nutrient removal	61.41	11.64	122.82	441.16	
Nutrient balance	21.07	-11.64	-122.82	-246.22	
Applied to removed ratio	1.34	0.00	0.00	0.44	
Total harvests for the crop					1 harvests

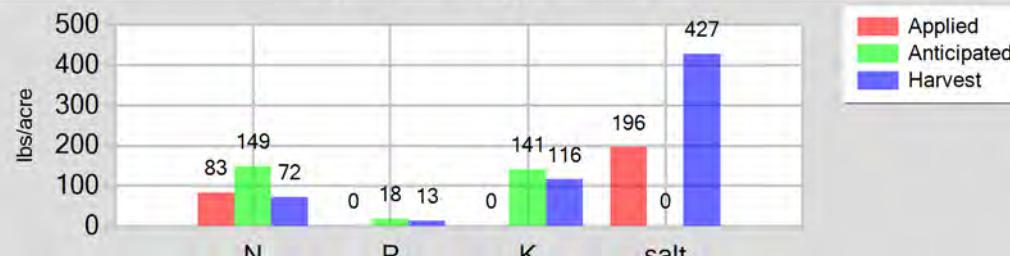
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T904 - 01/01/2018: Almond, in shell

Field name: T904Crop: Almond, in shellPlant date: 01/01/2018

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	77,414,400.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,850.91 acre-inches
Commercial fertilizer / Other	60.00	0.00	0.00	0.00	37.51 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	8.50	0.00	0.00	195.51	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	82.50	0.00	0.00	195.51	Process wastewater applied
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00	0.00 gallons
Actual crop nutrient removal	71.95	12.85	115.64	427.25	0.00 acre-inches
Nutrient balance	10.55	-12.85	-115.64	-231.74	0.00 inches/acre
Applied to removed ratio	1.15	0.00	0.00	0.46	Total harvests for the crop
					1 harvests

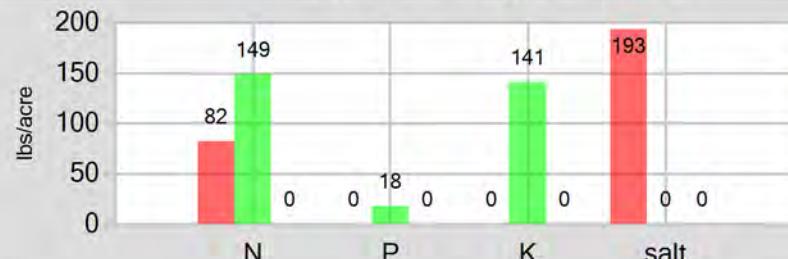
Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T905 - 01/01/2022: Almond, in shell

Field name: T905Crop: Almond, in shellPlant date: 01/01/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	8.40	0.00	0.00	193.21
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	82.40	0.00	0.00	193.21
Anticipated crop nutrient removal	149.00	18.00	141.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	82.40	0.00	0.00	193.21
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied

60,399,360.00 gallons
2,224.30 acre-inches
37.07 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT ANALYSES

A. MANURE ANALYSES

Corral Solids

Sample and source description: Corral Solids

Sample date: 09/28/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 26.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	26,200.00	8,700.00	29,000.00							
DL	100.00	100.00	100.00							

Drying Solids

Sample and source description: Drying Solids

Sample date: 09/28/2022 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 29.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,600.00	5,500.00	29,600.00							
DL	100.00	100.00	100.00							

Corral Solids DM2

Sample and source description: Corral Solids DM2

Sample date: 04/17/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 9.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,700.00	5,800.00	19,800.00	15,800.00	9,800.00	4,600.00	4,100.00	5,000.00		53.50
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	1,000.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

Drying Solids

Sample and source description: Drying Solids

Sample date: 04/17/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 34.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,000.00	9,200.00	32,400.00							
DL	100.00	100.00	100.00							

Separator Solids

Sample and source description: Separator Solids

Sample date: 04/17/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 49.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,800.00	1,000.00	3,800.00	8,500.00	3,300.00	600.00	1,800.00	0.00		50.80
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	1,000.00		0.01

Corral Solids

Sample and source description: Corral Solids

Sample date: 10/02/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 24.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	22,900.00	7,500.00	26,200.00							
DL	100.00	100.00	100.00							

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

Drying SolidsSample and source description: Drying SolidsSample date: 10/02/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 28.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,900.00	7,200.00	27,300.00							
DL	100.00	100.00	100.00							

Separator SolidsSample and source description: Separator SolidsSample date: 10/02/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 74.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,800.00	2,300.00	5,400.00							
DL	100.00	100.00	100.00							

B. PROCESS WASTEWATER ANALYSES**4Q WW**Sample and source description: 4Q WWSample date: 10/17/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	187.00	134.00	0.00	1.50	45.50	208.00								3,430.00	1,500
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

WW 1st Q NE Corner WWS South

Sample and source description: WW 1st Q NE Corner WWS South

Sample date: 02/13/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.50

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	144.00	62.70	0.00	0.70	55.30	647.00								4,040.00	2,050
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 2nd Q NE Corner WWS South

Sample and source description: WW 2nd Q NE Corner WWS South

Sample date: 06/05/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.20

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	236.00	161.00	0.00	0.50	55.10	255.00								3,960.00	1,560
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 3rd Q- NE Corner WWS South

Sample and source description: WW 3rd Q- NE Corner WWS South

Sample date: 09/05/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.50

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	340.00	132.00	0.00	0.60	68.60	233.00	288.00	99.70	121.00	1,490.00	0.00	25.10	223.00	2,770.00	1,550
DL	1.00	0.50	0.50	0.10	0.10	0.50	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

WW 4th Q NE Corner WWS South

Sample and source description: WW 4th Q NE Corner WWS South

Sample date: 10/23/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.60

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	182.00	144.00	0.00	0.30	39.40	228.00								2,980.00	1,820
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

C. FRESH WATER ANALYSES

C-Thurber Canal

MID

Sample description: MID

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00		0.10								23.40	20
DL	1.00		0.10								10.00	10

FID

FID

Sample description: FID

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00		1.00								22.50	23
DL	1.00		0.10								10.00	10

Fresno River

Fresno River Water

Sample description: Fresno River Water

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00		0.10								107.00	74
DL	1.00		0.10								10.00	10

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

Siebert Reservoir

TID Reservoir Siebert

Sample description: TID Reservoir Siebert

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	13.30		13.30							1,080.00	700	
DL	1.00		0.10							10.00	10	

TID 101

TID IW #101

Sample description: TID IW #101

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.04	0.00	2.00	59.30	19.20	104.00	200.00	0.00	4.60	160.00	897.00	570
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 102

TID IW #102

Sample description: TID IW #102

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	3.56	0.00	3.10	92.60	13.20	79.00	150.00	0.00	22.80	177.00	907.00	720
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 103 Reservoir

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 103 Reservoir**TID Reservoir #103**Sample description: TID Reservoir #103Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	13.80		13.80								1,160.00	730
DL	1.00		0.10								10.00	10

TID 104**TID IW #104**Sample description: TID IW #104Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00	0.00	0.50	32.50	7.00	42.00	88.10	0.00	6.90	70.60	410.00	292
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 109**TID IW #109**Sample description: TID IW #109Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	22.00	0.00	21.70	122.00	39.20	84.00	331.00	0.00	28.00	95.50	1,070.00	700
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 11

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 11

TID #11

Sample description: TID #11Sample date: 12/06/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	4.32	0.00	3.60	68.30	14.50	55.00	196.00	0.00	31.90	66.20	657.00	370
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 12 Reservoir

TID Reservoir #12

Sample description: TID Reservoir #12Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	4.62		4.30								1,050.00	630
DL	1.00		0.10								10.00	10

TID 123

TID IW #123

Sample description: TID IW #123Sample date: 08/16/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.59		2.40	21.20	8.20	22.00	107.00	0.00	15.50	6.60	257.00	220
DL	1.00		0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 14

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 14**TID #14**Sample description: TID #14Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.04	0.00	2.00	40.30	12.50	51.00	143.00	0.00	6.80	69.90	514.00	337
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 16**TID #16**Sample description: TID #16Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.51	0.00	2.30	100.00	28.40	47.00	259.00	0.00	98.80	86.20	856.00	630
DL	1.00	0.50	0.10	0.10	0.10	1.00	10.00	1.00	0.50	0.20	10.00	10

TID 18**TID #18**Sample description: TID #18Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	3.40	0.00	3.40	39.80	13.10	32.00	168.00	0.00	12.40	29.00	432.00	305
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 19

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 19

TID #19

Sample description: TID #19Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	9.50	0.00	9.50	79.40	25.10	45.00	272.00	0.00	32.60	43.50	706.00	500
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 24

TID #24

Sample description: TID #24Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	9.90	0.00	9.90	77.40	21.80	56.00	300.00	0.00	22.70	35.10	731.00	530
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 25

TID #25

Sample description: TID #25Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	15.30	0.00	15.30	102.00	28.60	60.00	312.00	0.00	31.70	62.10	894.00	640
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 26

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 26**TID #26**Sample description: TID #26Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	15.00	0.00	15.00	73.10	18.60	45.00	220.00	0.00	25.00	41.90	672.00	470
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 29**TID #29**Sample description: TID #29Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	3.60	0.00	3.60	70.30	21.20	36.00	274.00	0.00	11.40	13.60	568.00	397
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 41**TID #41**Sample description: TID #41Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	5.84	0.00	5.80	113.00	32.00	51.00	326.00	0.00	58.80	75.80	947.00	530
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 61

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 61

TID IW #61

Sample description: TID IW #61

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	15.80	0.00	15.60	104.00	33.90	84.00	384.00	0.00	37.00	57.40	1,040.00	720
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 62

TID IW #62

Sample description: TID IW #62

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	25.90	0.00	24.60	167.00	54.10	87.00	472.00	0.00	60.60	116.00	1,440.00	950
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 66

TID IW #66

Sample description: TID IW #66

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	33.70	0.00	33.70	19.00	63.80	108.00	608.00	0.00	41.30	133.00	1,730.00	1,120
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 80

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID 80

TID IW #80

Sample description: TID IW #80

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	25.70	0.00	24.80	142.00	47.20	102.00	478.00	0.00	68.40	77.60	1,350.00	880
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 90

TID IW #90

Sample description: TID IW #90

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	11.10	0.00	10.90	71.30	20.60	49.00	207.00	0.00	17.80	61.00	678.00	465
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID 93

TID IW #93

Sample description: TID IW #93

Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	4.01	0.00	4.00	30.30	8.30	33.00	101.00	0.00	7.80	35.30	350.00	283
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

TID Reservoir #97

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

TID Reservoir #97**TID Reservoir #97**Sample description: TID Reservoir #97Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.81		1.20								248.00	162
DL	1.00		0.10								10.00	10

TID Reservoir Thurber/#95**TID Reservoir Thurber/#95**Sample description: TID Reservoir Thurber/#95Sample date: 08/15/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	3.90		3.90								388.00	290
DL	1.00		0.10								10.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

T1001 - 09/15/2022: Rye Grass Silage

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1001 - 09/15/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 59.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,400.00	1,900.00	18,400.00		16.25
DL	100.00	100.00	100.00		0.01

T1001 - 06/12/2023: Corn, silage

Corn Silage

Sample and source description: Corn SilageSample date: 09/22/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 60.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	1,000.00	7,200.00		7.00
DL	100.00	100.00	100.00		0.01

T1002 - 09/15/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 55.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,500.00	1,800.00	17,900.00		16.60
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1002 - 06/09/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,200.00	900.00	6,600.00		7.80
DL	100.00	100.00	100.00		0.01

T1003 - 09/15/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass Silage

Sample date: 05/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 56.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,400.00	1,500.00	15,000.00		13.00
DL	100.00	100.00	100.00		0.01

T1003 - 06/14/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	800.00	500.00		7.30
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1004 - 09/13/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 54.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,100.00	1,800.00	17,900.00		15.03
DL	100.00	100.00	100.00		0.01

T1004 - 06/14/2023: Tomato

Tomatoes

Sample and source description: TomatoesSample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 93.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,600.00	300.00	2,100.00		11.20
DL	100.00	100.00	100.00		0.01

T1005 - 09/13/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 05/10/2022 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 58.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,000.00	2,100.00	20,600.00		14.75
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1005 - 06/14/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 10/09/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	600.00	5,700.00		6.50
DL	100.00	100.00	100.00		0.01

T1006 - 09/09/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass Silage

Sample date: 05/05/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 59.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	1,900.00	18,800.00		16.20
DL	100.00	100.00	100.00		0.01

T1006 - 06/06/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 93.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,600.00	300.00	2,100.00		11.20
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1007 - 09/09/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 04/14/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 60.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,800.00	1,900.00	17,900.00		13.50
DL	100.00	100.00	100.00		0.01

T1007 - 06/12/2023: Corn, silage

Corn Silage

Sample and source description: Corn SilageSample date: 10/09/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 62.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,700.00	700.00	4,900.00		6.40
DL	100.00	100.00	100.00		0.01

T1008 - 09/09/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 05/06/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,100.00	1,700.00	14,600.00		14.60
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1008 - 06/06/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 93.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,600.00	300.00	2,100.00		11.20
DL	100.00	100.00	100.00		0.01

T1009 - 09/09/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass Silage

Sample date: 09/09/2022 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,100.00	1,900.00	18,700.00		15.90
DL	100.00	100.00	100.00		0.01

T1009 - 06/05/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 93.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,600.00	300.00	2,100.00		11.20
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1101 - 05/19/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 92.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,700.00	200.00	2,900.00		9.40
DL	100.00	100.00	100.00		0.01

T1102 - 05/19/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 93.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,400.00	300.00	2,700.00		9.30
DL	100.00	100.00	100.00		0.01

T1103 - 05/25/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 93.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,600.00	200.00	2,500.00		9.60
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1104 - 05/25/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 93.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,200.00	300.00	2,800.00		8.60
DL	100.00	100.00	100.00		0.01

T1105 - 06/07/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 92.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,500.00	300.00	2,500.00		8.50
DL	100.00	100.00	100.00		0.01

T1106 - 01/01/2007: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 7.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,000.00	1,500.00	18,300.00		7.20
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1107 - 01/01/2007: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 7.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,500.00	1,900.00	20,700.00		6.00
DL	100.00	100.00	100.00		0.01

T1108 - 01/01/2007: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 6.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,300.00	2,000.00	18,000.00		5.60
DL	100.00	100.00	100.00		0.01

T1201 - 10/12/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass Silage

Sample date: 05/05/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,700.00	1,300.00	12,100.00		14.70
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T1201 - 06/06/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/16/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,200.00	700.00	4,400.00		6.80
DL	100.00	100.00	100.00		0.01

T1202 - 10/12/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass Silage

Sample date: 05/01/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 53.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,300.00	2,500.00	23,800.00		14.75
DL	100.00	100.00	100.00		0.01

T1202 - 05/15/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/02/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 62.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,900.00	700.00	6,600.00		9.90
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T201 - 11/14/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 04/15/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 51.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,400.00	2,400.00	18,800.00		12.70
DL	100.00	100.00	100.00		0.01

T201 - 06/09/2023: Tomato

Tomatoes

Sample and source description: TomatoesSample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 93.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,600.00	300.00	2,300.00		12.20
DL	100.00	100.00	100.00		0.01

T202 - 11/14/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass SilageSample date: 05/07/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 51.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,400.00	2,300.00	17,900.00		12.20
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T202 - 06/09/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 94.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,800.00	300.00	2,600.00		13.70
DL	100.00	100.00	100.00		0.01

T203 - 11/14/2022: Rye Grass Silage

Rye Grass Silage

Sample and source description: Rye Grass Silage

Sample date: 04/02/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 51.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,600.00	2,400.00	20,500.00		12.70
DL	100.00	100.00	100.00		0.01

T203 - 05/30/2023: Tomato

Tomatoes

Sample and source description: Tomatoes

Sample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 94.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,800.00	300.00	2,600.00		13.70
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T204 - 01/01/2020: Almond, in shell

Almonds

Sample and source description: AlmondsSample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 6.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,100.00	2,700.00	32,300.00		9.30
DL	100.00	100.00	100.00		0.01

T205 - 01/01/2020: Almond, in shell

Almonds

Sample and source description: AlmondsSample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 6.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,100.00	2,700.00	32,300.00		9.30
DL	100.00	100.00	100.00		0.01

T301 - 01/01/1995: Almond, in shell

Almonds

Sample and source description: AlmondsSample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 8.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,800.00	2,200.00	25,000.00		6.70
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T302 - 01/01/1991: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 8.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,800.00	2,200.00	25,000.00		6.70
DL	100.00	100.00	100.00		0.01

T303/306 - 01/01/2006: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 8.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,800.00	2,200.00	25,000.00		6.70
DL	100.00	100.00	100.00		0.01

T304 - 01/01/2006: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 9.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,800.00	2,200.00	25,000.00		6.70
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

T305 - 01/01/2007: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 8.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,800.00	2,200.00	25,000.00		6.70
DL	100.00	100.00	100.00		0.01

T903 - 01/01/2015: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 10.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,500.00	1,800.00	19,000.00		7.60
DL	100.00	100.00	100.00		0.01

T904 - 01/01/2018: Almond, in shell

Almonds

Sample and source description: Almonds

Sample date: 11/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 8.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,200.00	2,000.00	18,000.00		7.30
DL	100.00	100.00	100.00		0.01

Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

Annual Report - General Order No. R5-2007-0035

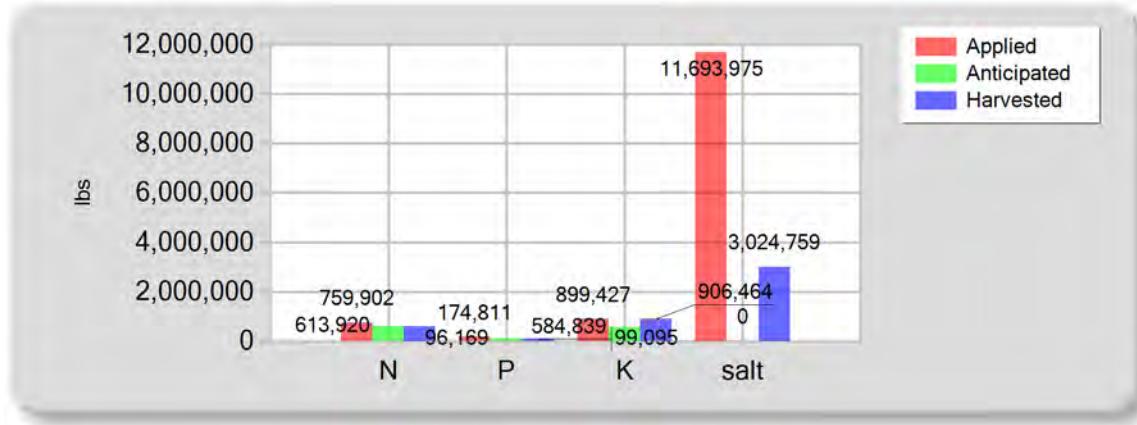
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	65,530.00	0.00	0.00	0.00
Dry manure	275,157.45	110,164.77	480,360.45	0.00
Process wastewater	249,754.82	64,645.98	419,066.60	2,015,972.17
Fresh water	135,747.94	0.00	0.00	9,678,002.68
Atmospheric deposition	33,712.00	0.00	0.00	0.00
Total nutrients applied	759,902.22	174,810.75	899,427.04	11,693,974.85
Anticipated crop nutrient removal	613,919.80	96,168.60	584,839.20	0.00
Actual crop nutrient removal	598,212.58	99,095.44	906,463.86	3,024,759.36
Nutrient balance	161,689.63	75,715.31	-7,036.81	8,669,215.48
Applied to removed ratio	1.27	1.76	0.99	3.87

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

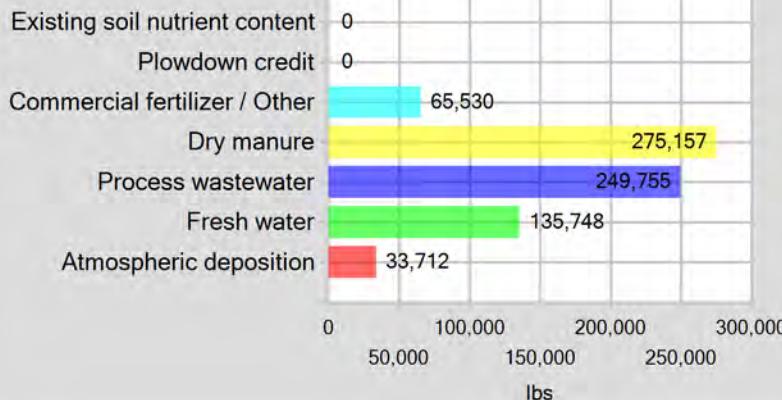


Annual Report - General Order No. R5-2007-0035

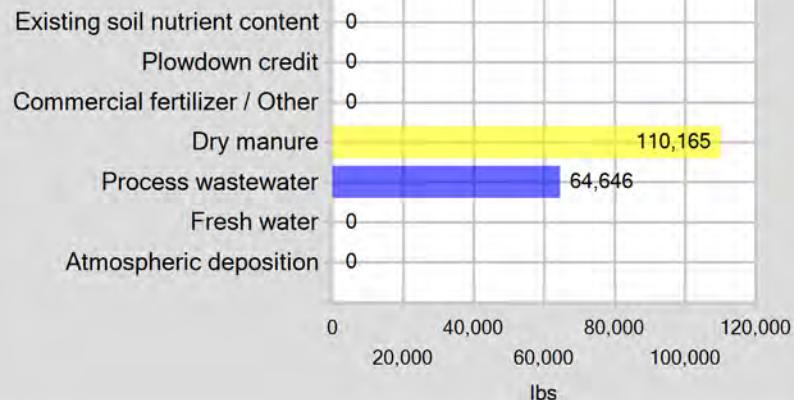
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

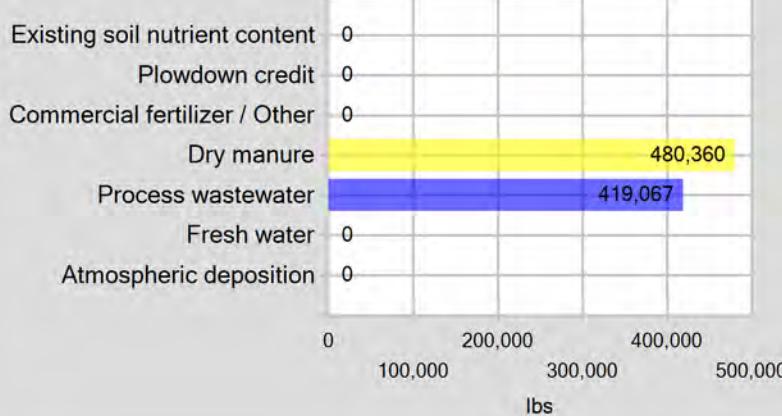
Pounds of nitrogen applied



Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

EXCEPTION REPORTING

A. MANURE, PROCESS WASTEWATER, AND OTHER DAIRY WASTE DISCHARGES

The following is a summary of all manure and process wastewater discharges from the production area to surface water or to land areas (land application areas or otherwise) when not in accordance with the facility's Nutrient Management Plan.

No manure or process wastewater discharges occurred during the reporting period.

B. STORM WATER DISCHARGES

The following is a summary of all storm water discharges from the production area to surface water during the reporting period when not in accordance with the facility 's Nutrient Management Plan.

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

The following is a summary of all discharges from the land application area to surface water that have occurred during the reporting period when not in accordance with the facility's Nutrient Management Plan.

No land application area to surface water discharges occurred during the reporting period.

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period? No

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes

B. EXPORT AGREEMENT STATEMENT

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period? No

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

ADDITIONAL NOTES

A. NOTES

Precipitation utilized during winter months to meet forage freshwater requirements.

Irrigation wells TID 12, 15, 17, 28, 44, 54, 56, 57, 58, 60, 91, 121, 122 & 124 were non-operational or not used in 2023. All wells will be sampled once the wells become operational and/or used during the cropping season. Heavy rains during the winter season allowed for a greater amount of surface water allocation to grow crops.

Fields T204, 205, 301, 302, 303/306, 304, 305, 1107, & 1108 Almonds had lower than anticipated removal rates due to lower than anticipated %N or low tonnage. This resulted in field ratios slightly exceeding target limits.

Fields T201 Tomatoes, T903 Almonds, & T904 Almonds had lower than anticipated removal rates. This was due to lower than expected yields and/or a lower than expected %N. The %N was based on analysis that was derived through a certified laboratory. However, the applications to these fields matched the low removal rates and was able to meet the field ratio threshold of 1.4.

Fields T1001, 1003-1009 Rye Grass had higher than anticipated removal rates. This was due to much higher than expected %N and/or yield. The %N removed, which is based on analysis derived through a certified laboratory, exceeded the anticipated values for this crop. Appropriate management practices resulted in decent yields and/or higher than expected nutrient removal rates.

Nutrients applied to permanent crops, such as trees and vines, are used for tree growth, vine development and fruit production (grapes, nuts, etc.). Comparing nutrient applications to nutrient content of harvested material for permanent crops is not appropriate and will result in high field ratios. A more accurate reporting methodology will need to be developed in order to account for nutrients retained in the permanent crops. All applications will continue to be monitored closely to ensure that over application of nutrients does not occur.

Fields T903-905 Almonds received no wastewater or solid manure in 2023. All nutrients applied to these fields were contributed through freshwater applications and/or commercial fertilizer only.

Fields T101-104 & 905 Almonds are newly planted almonds and therefore had no production in 2023.

Fields 1102 & 1104 Almonds were removed after harvest 2022 and were fallow for field work during the winter season 2023.

Fields T1101-1105 were fallow during the winter cropping season 2023. Fields T901 & 902 were fallow 2023.

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DocuSigned by:



030166E2C8064EC...

SIGNATURE OF OWNER OF FACILITY

Danny E. Iest

PRINT OR TYPE NAME

6/13/2024

DATE

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFA Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed.

Manure/Process Wastewater Tracking Manifests

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

Storm Water Monitoring

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

**Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies**

General Order No. R5-2007-0035, Attachment D

INSTRUCTIONS

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
 - 2) If there are multiple destinations, complete a separate form for each destination.
 - 3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
 - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Danny Iest

Name of Dairy Facility: Tri-lest Dairy

Facility Address:

16500 Avenue 14 Number and Street	Madera City	Madera County	93637 Zip Code
Contact Person Name and Phone Number:	Danny Iest Name	(559) 908-8079 Phone Number	

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Richie Iest Farms Inc.

Address of Hauling Company/Person:

14676 Avenue 14 Number and Street	Madera City	CA State	93637 Zip Code
Contact Person: Richie Iest <u>Name</u>	(559) 706-0749 <u>Phone Number</u>		

DESTINATION INFORMATION

Composting Facility / Broker / Farmer / Other (identify): Farmer

Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):

El Nido Ranch (209) 675-8658
Name Phone Number

7792 Nickle RD Dos Palos CA 93620
Address City State Zip Code

Destination Address or Assessor's Parcel Number:

7792 Nickle RD Dos Palos 93620
Address City Zip Code

Merced
County

Last date hauled: 06/29/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 7,189.00 tons

Manure Solids Content: 65.6 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

I declare under penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

DocuSigned by:



6/13/2024

Operator Signature

Date

6/18/2024

Hauler Signature

Date

**Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies**

General Order No. R5-2007-0035, Attachment D

INSTRUCTIONS

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
 - 2) If there are multiple destinations, complete a separate form for each destination.
 - 3) The operator must obtain the signature of the hauler upon completion of each manure/process wastewater hauling event.
 - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

OPERATOR INFORMATION

Name of Operator: Danny Iest

Name of Dairy Facility: Tri-lest Dairy

Facility Address:

16500 Avenue 14 Number and Street	Madera City	Madera County	93637 Zip Code
Contact Person Name and Phone Number:	Danny Iest Name	(559) 908-8079 Phone Number	

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Richie Iest Farms Inc.

Address of Hauling Company/Person:

14676 Avenue 14 Number and Street	Madera City	CA State	93637 Zip Code
Contact Person: Richie Iest <u>Name</u>	(559) 706-0749 <u>Phone Number</u>		

DESTINATION INFORMATION

Composting Facility / Broker / Farmer / Other (identify): Farmer

Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):

El Nido Ranch (209) 675-8658
Name Phone Number

7792 Nickle RD Dos Palos CA 93620
Address City State Zip Code

Destination Address or Assessor's Parcel Number:

7792 Nickle RD Dos Palos 93620
Address City Zip Code

Merced
County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 12/16/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 4,386.00 tons

Manure Solids Content: 75.2 %

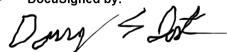
Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

I declare under penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

DocuSigned by:



6/13/2024

Operator Signature

Date



6/18/2024

Hauler Signature

Date





Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1483-01	TID IW #61	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:52
23H1483-02	TID IW #62	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:12
23H1483-03	TID IW #66	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:30
23H1483-04	TID IW #80	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:24
23H1483-05	TID IW #90	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:27
23H1483-06	TID IW #93	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 16:02
23H1483-07	TID IW #101	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:33
23H1483-08	TID IW #102	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 10:00
23H1483-09	TID IW #104	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:50
23H1483-10	TID IW #109	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 13:35

Default Cooler Temperature on Receipt °C: -7.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results

**Sample: TID IW #61
23H1483-01 (Water)**

Sampled: 8/15/2023 13:52
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	384	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	104	mg/L	0.1	1		08/18/23 09:08	EPA 200.7		BEH0823
Chloride	57.4	mg/L	0.2	1	250	08/17/23 00:16	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	1.04	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	1040	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO ₃	384	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	5.67	mg/L	0.500	1		08/18/23 09:08	EPA 200.7		BEH0823
Magnesium	33.9	mg/L	0.1	1		08/18/23 09:08	EPA 200.7		BEH0823
Sodium	84	mg/L	1	1		08/18/23 09:08	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:52	Field		BEH1010
Nitrate Nitrogen as NO ₃ N	15.6	mg/L	0.1	1	10	08/17/23 00:16	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.5	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO ₄)	37.0	mg/L	0.5	1	250	08/17/23 00:16	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	720	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:10	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	15.8	mg/L	1.00	1		08/21/23 13:10	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #62
23H1483-02 (Water)**

Sampled: 8/15/2023 13:12

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	472	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	167	mg/L	0.1	1		08/18/23 09:09	EPA 200.7		BEH0823
Chloride	116	mg/L	0.2	1	250	08/17/23 00:37	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	1.44	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	1440	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO ₃	472	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	7.22	mg/L	0.500	1		08/18/23 09:09	EPA 200.7		BEH0823
Magnesium	54.1	mg/L	0.1	1		08/18/23 09:09	EPA 200.7		BEH0823
Sodium	87	mg/L	1	1		08/18/23 09:09	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:12	Field		BEH1010
Nitrate Nitrogen as NO ₃ N	24.6	mg/L	0.1	1	10	08/17/23 00:37	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.5	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO ₄)	60.6	mg/L	0.5	1	250	08/17/23 00:37	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	950	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	1.35	mg/L	1.00	1		08/21/23 13:12	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	25.9	mg/L	1.00	1		08/21/23 13:12	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #66
23H1483-03 (Water)**

Sampled: 8/15/2023 13:30

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	608	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	198	mg/L	0.1	1		08/18/23 09:10	EPA 200.7		BEH0823
Chloride	133	mg/L	0.2	1	250	08/17/23 00:57	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	1.73	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	1730	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO ₃	608	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	8.63	mg/L	0.500	1		08/18/23 09:10	EPA 200.7		BEH0823
Magnesium	63.8	mg/L	0.1	1		08/18/23 09:10	EPA 200.7		BEH0823
Sodium	108	mg/L	1	1		08/18/23 09:10	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:30	Field		BEH1010
Nitrate Nitrogen as NO ₃ N	33.7	mg/L	0.1	1	10	08/17/23 00:57	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.2	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO ₄)	41.3	mg/L	0.5	1	250	08/17/23 00:57	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	1120	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:13	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	33.7	mg/L	1.00	1		08/21/23 13:13	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #80
23H1483-04 (Water)**

Sampled: 8/15/2023 13:24

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	478	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	143	mg/L	0.1	1		08/18/23 09:11	EPA 200.7		BEH0823
Chloride	77.6	mg/L	0.2	1	250	08/17/23 01:18	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	1.35	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	1350	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO ₃	478	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	7.14	mg/L	0.500	1		08/18/23 09:11	EPA 200.7		BEH0823
Magnesium	47.2	mg/L	0.1	1		08/18/23 09:11	EPA 200.7		BEH0823
Sodium	102	mg/L	1	1		08/18/23 09:11	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:24	Field		BEH1010
Nitrate Nitrogen as NO ₃ N	24.8	mg/L	0.1	1	10	08/17/23 01:18	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.6	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO ₄)	68.4	mg/L	0.5	1	250	08/17/23 01:18	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	880	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:14	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	25.7	mg/L	1.00	1		08/21/23 13:14	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #90
23H1483-05 (Water)**

Sampled: 8/15/2023 13:27

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	207	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	71.3	mg/L	0.1	1		08/18/23 09:13	EPA 200.7		BEH0823
Chloride	61.0	mg/L	0.2	1	250	08/17/23 01:39	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	0.68	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	678	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO₃	207	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	1.89	mg/L	0.500	1		08/18/23 09:13	EPA 200.7		BEH0823
Magnesium	20.6	mg/L	0.1	1		08/18/23 09:13	EPA 200.7		BEH0823
Sodium	49	mg/L	1	1		08/18/23 09:13	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:27	Field		BEH1010
Nitrate Nitrogen as NO₃N	10.9	mg/L	0.1	1	10	08/17/23 01:39	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.8	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO₄)	17.8	mg/L	0.5	1	250	08/17/23 01:39	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	465	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:16	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	11.1	mg/L	1.00	1		08/21/23 13:16	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #93
23H1483-06 (Water)**

Sampled: 8/15/2023 16:02

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	101	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	30.3	mg/L	0.1	1		08/18/23 09:14	EPA 200.7		BEH0823
Chloride	35.3	mg/L	0.2	1	250	08/17/23 02:00	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	0.35	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	350	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO₃	101	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	2.36	mg/L	0.500	1		08/18/23 09:14	EPA 200.7		BEH0823
Magnesium	8.3	mg/L	0.1	1		08/18/23 09:14	EPA 200.7		BEH0823
Sodium	33	mg/L	1	1		08/18/23 09:14	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 16:02	Field		BEH1010
Nitrate Nitrogen as NO₃N	4.0	mg/L	0.1	1	10	08/17/23 02:00	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.9	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO₄)	7.8	mg/L	0.5	1	250	08/17/23 02:00	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	283	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:17	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	4.01	mg/L	1.00	1		08/21/23 13:17	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

**Sample: TID IW #101
23H1483-07 (Water)**

Sampled: 8/15/2023 13:33

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	200	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	59.3	mg/L	0.1	1		08/18/23 09:15	EPA 200.7		BEH0823
Chloride	160	mg/L	0.2	1	250	08/17/23 02:20	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	0.90	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	897	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO₃	200	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	3.30	mg/L	0.500	1		08/18/23 09:15	EPA 200.7		BEH0823
Magnesium	19.2	mg/L	0.1	1		08/18/23 09:15	EPA 200.7		BEH0823
Sodium	104	mg/L	1	1		08/18/23 09:15	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:33	Field		BEH1010
Nitrate Nitrogen as NO₃N	2.0	mg/L	0.1	1	10	08/17/23 02:20	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.8	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO₄)	4.6	mg/L	0.5	1	250	08/17/23 02:20	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	570	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:19	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	2.04	mg/L	1.00	1		08/21/23 13:19	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #102
23H1483-08 (Water)**

Sampled: 8/15/2023 10:00

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	150	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	92.6	mg/L	0.1	1		08/18/23 09:16	EPA 200.7		BEH0823
Chloride	177	mg/L	0.2	1	250	08/17/23 18:45	EPA 300.0		BEH0885
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	0.91	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	907	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO ₃	150	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	2.14	mg/L	0.500	1		08/18/23 09:16	EPA 200.7		BEH0823
Magnesium	13.2	mg/L	0.1	1		08/18/23 09:16	EPA 200.7		BEH0823
Sodium	79	mg/L	1	1		08/18/23 09:16	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 10:00	Field		BEH1010
Nitrate Nitrogen as NO ₃ N	3.1	mg/L	0.1	1	10	08/17/23 02:41	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.7	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO ₄)	22.8	mg/L	0.5	1	250	08/17/23 02:41	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	720	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:20	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	3.56	mg/L	1.00	1		08/21/23 13:20	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

**Sample: TID IW #104
23H1483-09 (Water)**

Sampled: 8/15/2023 15:50

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	88.1	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	32.5	mg/L	0.1	1		08/18/23 09:17	EPA 200.7		BEH0823
Chloride	70.6	mg/L	0.2	1	250	08/17/23 19:05	EPA 300.0		BEH0885
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	0.41	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	410	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO₃	88.1	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	2.29	mg/L	0.500	1		08/18/23 09:17	EPA 200.7		BEH0823
Magnesium	7.0	mg/L	0.1	1		08/18/23 09:17	EPA 200.7		BEH0823
Sodium	42	mg/L	1	1		08/18/23 09:17	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:50	Field		BEH1010
Nitrate Nitrogen as NO₃N	0.5	mg/L	0.1	1	10	08/17/23 03:02	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.8	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO₄)	6.9	mg/L	0.5	1	250	08/17/23 03:02	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	292	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:22	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	ND	mg/L	1.00	1		08/21/23 13:22	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Sample Results
(Continued)

**Sample: TID IW #109
23H1483-10 (Water)**

Sampled: 8/15/2023 13:35

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	331	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	122	mg/L	0.1	1		08/18/23 09:18	EPA 200.7		BEH0823
Chloride	95.5	mg/L	0.2	1	250	08/17/23 03:23	EPA 300.0		BEH0804
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	1.07	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	1070	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO ₃	331	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	4.88	mg/L	0.500	1		08/18/23 09:18	EPA 200.7		BEH0823
Magnesium	39.2	mg/L	0.1	1		08/18/23 09:18	EPA 200.7		BEH0823
Sodium	84	mg/L	1	1		08/18/23 09:18	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:35	Field		BEH1010
Nitrate Nitrogen as NO ₃ N	21.7	mg/L	0.1	1	10	08/17/23 03:23	EPA 300.0		BEH0804
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:22	SM 2320 B		BEH0839
pH	7.7	units	1.0	1		08/18/23 08:22	SM 4500-H+	H	BEH0839
Sulfate (SO ₄)	28.0	mg/L	0.5	1	250	08/17/23 03:23	EPA 300.0		BEH0804
Total Filterable Solids (TDS)	700	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:31	SM 4500-NH ₃ C		BEH0940
Total Nitrogen	22.0	mg/L	1.00	1		08/21/23 13:31	SM 4500-NH ₃ C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0804									
Blank (BEH0804-BLK1)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/16/2023									
Blank (BEH0804-BLK2)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/16/2023									
Blank (BEH0804-BLK3)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/17/2023									
Blank (BEH0804-BLK4)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/17/2023									
LCS (BEH0804-BS1)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/16/2023									
LCS (BEH0804-BS2)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/17/2023									
LCS (BEH0804-BS3)									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/17/2023									
Duplicate (BEH0804-DUP1)									
Source: 23H1480-05									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/16/2023									
Duplicate (BEH0804-DUP2)									
Source: 23H1483-06									
Chloride									
Nitrate Nitrogen as NO ₃ N									
Sulfate (SO ₄)									
Prepared & Analyzed: 8/17/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0804 (Continued)									
Duplicate (BEH0804-DUP3)									
Source: 23H1557-04									
Prepared & Analyzed: 8/17/2023									
Chloride	35.8	0.2	mg/L		36.2			1.20	10
Nitrate Nitrogen as NO3N	8.6	0.1	mg/L		8.7			1.44	10
Sulfate (SO4)	47.0	0.5	mg/L		47.5			1.07	10
Matrix Spike (BEH0804-MS1)									
Source: 23H1480-05									
Prepared & Analyzed: 8/16/2023									
Chloride	18.0	0.2	mg/L	5.000	13.1	99.8	90-110		
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	0.1	99.3	90-110		
Sulfate (SO4)	27.8	0.5	mg/L	5.000	22.7	101	90-110		
Matrix Spike (BEH0804-MS2)									
Source: 23H1483-06									
Prepared & Analyzed: 8/17/2023									
Chloride	40.1	0.2	mg/L	5.000	35.3	95.8	90-110		
Nitrate Nitrogen as NO3N	9.2	0.1	mg/L	5.000	4.0	104	90-110		
Sulfate (SO4)	12.8	0.5	mg/L	5.000	7.8	99.9	90-110		
Matrix Spike (BEH0804-MS3)									
Source: 23H1557-04									
Prepared & Analyzed: 8/17/2023									
Chloride	41.0	0.2	mg/L	5.000	36.2	95.9	90-110		
Nitrate Nitrogen as NO3N	13.8	0.1	mg/L	5.000	8.7	102	90-110		
Sulfate (SO4)	52.1	0.5	mg/L	5.000	47.5	91.5	90-110		
Reference (BEH0804-SRM1)									
Prepared & Analyzed: 8/16/2023									
Chloride	12.5		mg/L	12.50		100	90-110		
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		100	90-110		
Sulfate (SO4)	9.7		mg/L	10.00		97.2	90-110		
Reference (BEH0804-SRM2)									
Prepared & Analyzed: 8/16/2023									
Chloride	12.6		mg/L	12.50		101	90-110		
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00		101	90-110		
Sulfate (SO4)	9.8		mg/L	10.00		97.7	90-110		
Reference (BEH0804-SRM3)									
Prepared & Analyzed: 8/17/2023									
Chloride	12.8		mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Sulfate (SO4)	9.8		mg/L	10.00		98.5	90-110		
Reference (BEH0804-SRM4)									
Prepared & Analyzed: 8/17/2023									
Chloride	12.5		mg/L	12.50		99.9	90-110		
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		100	90-110		
Sulfate (SO4)	9.6		mg/L	10.00		96.2	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0823									
Blank (BEH0823-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Calcium	ND	0.1	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEH0823-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	ND	0.1	mg/L						
Potassium	ND	0.500	mg/L						
Sodium	ND	1	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEH0823-BS1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	38.9	0.1	mg/L	35.71	109	90-110			
Potassium	36.8	0.500	mg/L	35.71	103	90-110			
Sodium	37	1	mg/L	35.71	104	90-110			
Magnesium	38.2	0.1	mg/L	35.71	107	90-110			
LCS (BEH0823-BS2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	36.1	0.1	mg/L	35.71	101	90-110			
Sodium	34	1	mg/L	35.71	96.5	90-110			
Potassium	34.0	0.500	mg/L	35.71	95.2	90-110			
Magnesium	35.4	0.1	mg/L	35.71	99.1	90-110			
Duplicate (BEH0823-DUP1)									
Source: 23H1483-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	87	1	mg/L	84			3.14	15	
Potassium	5.22	0.500	mg/L	5.67			8.37	15	
Calcium	106	0.1	mg/L	104			2.09	15	
Magnesium	34.3	0.1	mg/L	33.9			1.29	15	
Matrix Spike (BEH0823-MS1)									
Source: 23H1483-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	115	1	mg/L	35.71	84	86.2	90-110		
Calcium	140	0.1	mg/L	35.71	104	101	90-110		
Potassium	41.8	0.500	mg/L	35.71	5.67	101	90-110		
Magnesium	70.1	0.1	mg/L	35.71	33.9	101	90-110		
Matrix Spike (BEH0823-MS2)									
Source: 23H1487-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	38.7	0.500	mg/L	35.71	2.20	102	90-110		
Calcium	77.3	0.1	mg/L	35.71	40.4	103	90-110		
Sodium	83	1	mg/L	35.71	52	86.5	90-110		
Magnesium	48.4	0.1	mg/L	35.71	11.9	102	90-110		
Reference (BEH0823-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	23.3		mg/L	21.90		107	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEH0823 (Continued)

Reference (BEH0823-SRM2)

Sodium 85 Prepared: 8/16/2023 Analyzed: 8/18/2023

mg/L 91.50 92.6 90-110

Reference (BEH0823-SRM3)

Calcium 48.6 Prepared: 8/16/2023 Analyzed: 8/18/2023

Magnesium 36.8 mg/L 45.90 106 90-110

mg/L 35.60 103 90-110

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0839									
Blank (BEH0839-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Carbonate as CaCO ₃	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
pH	5.1	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Blank (BEH0839-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO ₃	ND	10.0	mg/L						
pH	5.4	1.0	units						
Carbonate as CaCO ₃	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0839-BLK3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Hydroxide as CaCO ₃	ND	1.00	mg/L						
pH	5.4	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Carbonate as CaCO ₃	ND	1	mg/L						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0839-DUP1)									
Source: 23H1483-08									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO ₃	148	10.0	mg/L		150		1.18	10	
Electrical Conductivity	0.90	0.01	mmhos/cm		0.91		0.475	10	
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND			10	
pH	7.7	1.0	units		7.7		0.648	10	
Carbonate as CaCO ₃	ND	1	mg/L		ND			10	
Electrical Conductivity umhos	902	10.0	umhos/cm		907		0.475	10	
Duplicate (BEH0839-DUP2)									
Source: 23H1487-06									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO ₃	493	10.0	mg/L		495		0.479	10	
Carbonate as CaCO ₃	ND	1	mg/L		ND			10	
Electrical Conductivity	1.51	0.01	mmhos/cm		1.52		0.640	10	
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND			10	
pH	7.6	1.0	units		7.5		0.928	10	
Electrical Conductivity umhos	1510	10.0	umhos/cm		1520		0.640	10	
Reference (BEH0839-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0839 (Continued)									
Reference (BEH0839-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO3	40.5		mg/L	40.60		99.7	90-110		
Electrical Conductivity	511		umhos/cm	538.0		94.9	90-110		
Reference (BEH0839-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO3	40.2		mg/L	40.60		99.0	90-110		
Electrical Conductivity	518		umhos/cm	538.0		96.3	90-110		
Reference (BEH0839-SRM3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO3	42.6		mg/L	40.60		105	90-110		
Electrical Conductivity	512		umhos/cm	538.0		95.2	90-110		
Reference (BEH0839-SRM4)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units	4.000		101	97.5-102.5		
Reference (BEH0839-SRM5)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEH0839-SRM6)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEH0839-SRM7)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	5.8		units	5.820		99.8	28178-101.7		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0876									
Blank (BEH0876-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023				
LCS (BEH0876-BS1)									
Total Filterable Solids (TDS)	30.0	10.0	mg/L	2000	Prepared: 8/17/2023 Analyzed: 8/21/2023	1.50	0-200		
Duplicate (BEH0876-DUP1)									
Total Filterable Solids (TDS)	950	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023	880		7.65	10
Duplicate (BEH0876-DUP2)									
Total Filterable Solids (TDS)	620	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023	610		1.63	10
Reference (BEH0876-SRM1)									
Total Filterable Solids (TDS)	327		mg/L	325.0	Prepared: 8/17/2023 Analyzed: 8/21/2023	101	90-110		
Reference (BEH0876-SRM2)									
Total Filterable Solids (TDS)	480		mg/L	495.0	Prepared: 8/17/2023 Analyzed: 8/21/2023	97.0	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0885									
Blank (BEH0885-BLK1)									
Chloride	ND	0.2	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0885-BLK2)									
Chloride	ND	0.2	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0885-BLK3)									
Chloride	ND	0.2	mg/L		Prepared & Analyzed: 8/18/2023				
LCS (BEH0885-BS1)									
Chloride	5.0	0.2	mg/L	5.000	100	90-110			
LCS (BEH0885-BS2)									
Chloride	5.0	0.2	mg/L	5.000	99.5	90-110			
Duplicate (BEH0885-DUP1)									
Chloride	29.0	0.2	mg/L	28.9			0.304	10	
Duplicate (BEH0885-DUP2)									
Chloride	2.2	0.2	mg/L	2.2			0.413	10	
Matrix Spike (BEH0885-MS1)									
Chloride	32.9	0.2	mg/L	5.000	28.9	80.4	90-110		
Matrix Spike (BEH0885-MS2)									
Chloride	7.3	0.2	mg/L	5.000	2.2	102	90-110		
Reference (BEH0885-SRM1)									
Chloride	12.7		mg/L	12.50	102	90-110			
Reference (BEH0885-SRM2)									
Chloride	12.7		mg/L	12.50	102	90-110			
Reference (BEH0885-SRM3)									
Chloride	12.7		mg/L	12.50	102	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:16

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0940									
Blank (BEH0940-BLK1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
Blank (BEH0940-BLK2)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
LCS (BEH0940-BS1)									
Kjeldahl Nitrogen (TKN), Total	5.84	1.00	mg/L	5.709		102	90-110		
LCS (BEH0940-BS2)									
Kjeldahl Nitrogen (TKN), Total	6.17	1.00	mg/L	5.709		108	90-110		
Duplicate (BEH0940-DUP1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		ND				10
Duplicate (BEH0940-DUP2)									
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		ND				10
Matrix Spike (BEH0940-MS1)									
Kjeldahl Nitrogen (TKN), Total	8.96	1.40	mg/L	7.992	ND	112	90-110		
Matrix Spike (BEH0940-MS2)									
Kjeldahl Nitrogen (TKN), Total	7.96	1.40	mg/L	7.992	ND	99.6	90-110		
Reference (BEH0940-SRM1)									
Kjeldahl Nitrogen (TKN), Total	24.0		mg/L	23.80		101	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



08/16/23 09:52

21H1483

Purchase Order No

Bill To: 1411 | 08

Results Need By

Name: Tri test Dairy

Address: 16500 Avenue 14

City: Madera State: CA Zip: 93637

Telephone: Fax:

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

REQUESTED BY: Danny Iest

PROJECT:

CROP: IRRIGATION WELLS

[X] Copy of Chain [X] QA/QC Documents

Sampled By:

FOR AG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

No. Samples: 10 No of Bottles:

Water Type: Drinking Water Wastewater
 Ag Water Groundwater Monitoring Well

Other:

Analysis and Bottles Required: (Please indicate Analysis)

() DWW1: EC, NO₃-N NH4-N Field Test

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DWW2: DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DCW1: EC, NO₃-N, TKN, TN, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW1: EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW2: DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl

(1-1 Liter Plastic, Unpreserved) White Per Sample

() Other +TN

Description of Samples		Date Sampled	Time Sampled	Rec'd Temp °C	Field NH ₃ -N	Purge
1	TID IW #61	8/15/23	1352	-7.3		45 min
2	TID IW #62		1312	-9.1		
3	TID IW #66		1330	-6.4		
4	TID IW #80		1324	-8.6		
5	TID IW #90		1327	-6.7		
6	TID IW #93		1602	-8.1		
7	TID IW #101		1333	-6.8		
8	TID IW #102		1000	1.1		
9	TID IW #104		1550	-9.1		
10	TID IW #109		1335	0.5		

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/15/23 1602	8/16/23
Second				
Third				
Fourth	DR	DCZ	8/16/23 9:52	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged.

Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. It, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Inventory Information:

Shipping

Sampling hrs _____

Miles _____

Consulting _____

Amt Paid _____

Rec By _____

Check # _____

Date _____

Signature

Sample received in cooler with ice (coolant)

[] Yes [] No

IR Thermometer SN: 200560723
 Correction Factor: 0°C
 Calibration Due: 9/26/2023
 Location: Laboratory



08/16/23 09:52

23H1483

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>														
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest									
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>									
Samples Preserved with HNO₃ or H₂SO₄ were:					<input type="checkbox"/> Received Preserved			<input type="checkbox"/> Preserved Upon Receipt at Laboratory						
Type of Container(s) Received					Sample Number									
					1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>														
Plastics 100 mL sterile plastic Na ₂ S ₂ O ₃ (Green) 250 mL unpreserved (White) Plastic 250 mL HNO ₃ (Red) Plastic * pH Value 250 mL H ₂ SO ₄ (Yellow) Plastic * pH Value 500 mL unpreserved (White) Plastic 1 L unpreserved (White) Plastic 1 L unpreserved (BOD) (Purple) Plastic														
Special 500mL unpreserved (White) Glass PO4-P Kit Other:														
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>														
Plastics 100 mL sterile plastic Na ₂ S ₂ O ₃ (Green) 250 mL unpreserved (White) Plastic 250 mL HNO ₃ (Red) Plastic 250 mL H ₂ SO ₄ (Yellow) Plastic 500 mL HNO ₃ (Red) 1 L unpreserved (White) Plastic 1 L unpreserved (BOD) (Purple) Plastic 1 L HNO ₃ (Red)														
VOA Vials 40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531) 40 mL VOA, Na ₂ S ₂ O ₃ (EPA547) 40mL AG VOA unpreserved (White) (Set of 3) 40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3) 40mL VOA, H ₃ PO ₄ (Set of 3) 40 mL VOA, HCl (Blue) (Set of 3) 40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)														
Glass 250 mL AG unpreserved (White) 250 mL AG H ₂ SO ₄ (Yellow) 250 mL AG Na ₂ S ₂ O ₃ (Green) 250 mL AG Na ₂ S ₂ O ₃ + MCAA 500 mL glass unpreserved (White) 500 mL AG HCl (Blue) 1 L AG unpreserved (White) 1 L AG H ₂ SO ₄ (Yellow) 1 L AG Na ₂ S ₂ O ₃ (Green) 1 L AG HCl (Blue)														
Special Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃ Cyanide - 500 mL NaOH Asbestos - 1L P wrapped in foil (Set of 2) Sulfide - 1 L AG or P NaOH + ZnAc Chlorite/Bromate - 250 mL AG with EDA HAA5 - 250mL AG Ammonium Chlorite DO KIT Other: Other:														



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1494-01	TID IW #123	Ag Water	F & R Ag	Irrigation Wells	08/16/2023 9:16

Default Cooler Temperature on Receipt °C: 7.0
 Containers Intact
 COC/Labels Agree
 Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

A handwritten signature in black ink that reads 'Scott M. Tricland'.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Sample Results

**Sample: TID IW #123
23H1494-01 (Water)**

Sampled: 8/16/2023 9:16
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	107	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	21.2	mg/L	0.1	1		08/18/23 12:50	EPA 200.7		BEH0825
Chloride	6.6	mg/L	0.2	1	250	08/16/23 22:23	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.26	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	257	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	107	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	3.92	mg/L	0.500	1		08/18/23 12:50	EPA 200.7		BEH0825
Magnesium	8.2	mg/L	0.1	1		08/18/23 12:50	EPA 200.7		BEH0825
Sodium	22	mg/L	1	1		08/18/23 12:50	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/16/23 09:16	Field		BEH1014
Nitrate Nitrogen as NO ₃ N	2.4	mg/L	0.1	1	10	08/16/23 22:23	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	7.9	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	15.5	mg/L	0.5	1	250	08/16/23 22:23	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	220	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:06	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	2.59	mg/L	1.00	1		08/22/23 13:06	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0806									
Blank (BEH0806-BLK1)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0806-BLK2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0806-BLK3)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0806-BLK4)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
LCS (BEH0806-BS1)									
Chloride 4.9 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N 5.1 0.1 mg/L									
Sulfate (SO ₄) 4.7 0.5 mg/L									
98.8 90-110									
LCS (BEH0806-BS2)									
Chloride 4.9 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N 5.0 0.1 mg/L									
Sulfate (SO ₄) 4.7 0.5 mg/L									
97.9 90-110									
LCS (BEH0806-BS3)									
Chloride 5.0 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N 5.1 0.1 mg/L									
Sulfate (SO ₄) 4.8 0.5 mg/L									
99.5 90-110									
Duplicate (BEH0806-DUP1)									
Source: 23H1490-03 Prepared & Analyzed: 8/16/2023									
Chloride 20.1 0.2 mg/L									
Nitrate Nitrogen as NO ₃ N 1.7 0.1 mg/L									
Sulfate (SO ₄) 5.7 0.5 mg/L									
20.3 1.17 10									
Duplicate (BEH0806-DUP2)									
Source: 23H1494-01 Prepared & Analyzed: 8/17/2023									
Chloride 6.7 0.2 mg/L									
Nitrate Nitrogen as NO ₃ N 2.4 0.1 mg/L									
Sulfate (SO ₄) 15.5 0.5 mg/L									
6.6 0.420 10									
2.4 0.451 10									
15.5 0.0388 10									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0806 (Continued)									
Duplicate (BEH0806-DUP3)									
Source: 23H1496-07									
Chloride 19.0 0.2 mg/L 19.0 0.148 10									
Nitrate Nitrogen as NO3N 1.1 0.1 mg/L 1.1 0.371 10									
Sulfate (SO4) 2.8 0.5 mg/L 2.7 0.509 10									
Matrix Spike (BEH0806-MS1)									
Source: 23H1490-03									
Chloride 25.5 0.2 mg/L 5.000 20.3 104 90-110									
Nitrate Nitrogen as NO3N 6.9 0.1 mg/L 5.000 1.7 105 90-110									
Sulfate (SO4) 10.9 0.5 mg/L 5.000 5.8 103 90-110									
Matrix Spike (BEH0806-MS2)									
Source: 23H1494-01									
Chloride 11.7 0.2 mg/L 5.000 6.6 102 90-110									
Nitrate Nitrogen as NO3N 7.6 0.1 mg/L 5.000 2.4 104 90-110									
Sulfate (SO4) 20.5 0.5 mg/L 5.000 15.5 102 90-110									
Matrix Spike (BEH0806-MS3)									
Source: 23H1496-07									
Chloride 23.6 0.2 mg/L 5.000 19.0 93.3 90-110									
Nitrate Nitrogen as NO3N 6.3 0.1 mg/L 5.000 1.1 104 90-110									
Sulfate (SO4) 7.8 0.5 mg/L 5.000 2.7 102 90-110									
Reference (BEH0806-SRM1)									
Chloride 12.7 mg/L 12.50 101 90-110									
Nitrate Nitrogen as NO3N 10.1 mg/L 10.00 101 90-110									
Sulfate (SO4) 9.9 mg/L 10.00 99.2 90-110									
Reference (BEH0806-SRM2)									
Chloride 12.8 mg/L 12.50 102 90-110									
Nitrate Nitrogen as NO3N 10.2 mg/L 10.00 102 90-110									
Sulfate (SO4) 10.0 mg/L 10.00 100 90-110									
Reference (BEH0806-SRM3)									
Chloride 12.8 mg/L 12.50 102 90-110									
Nitrate Nitrogen as NO3N 10.2 mg/L 10.00 102 90-110									
Sulfate (SO4) 10.0 mg/L 10.00 100 90-110									
Reference (BEH0806-SRM4)									
Chloride 12.9 mg/L 12.50 103 90-110									
Nitrate Nitrogen as NO3N 10.3 mg/L 10.00 103 90-110									
Sulfate (SO4) 10.1 mg/L 10.00 101 90-110									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0825									
Blank (BEH0825-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	ND	0.1	mg/L						
Potassium	ND	0.500	mg/L						
Sodium	ND	1	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEH0825-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	ND	0.500	mg/L						
Sodium	ND	1	mg/L						
Calcium	ND	0.1	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEH0825-BS1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	39	1	mg/L	35.71	110	90-110			
Calcium	41.8	0.1	mg/L	35.71	117	90-110			
Potassium	40.5	0.500	mg/L	35.71	113	90-110			
Magnesium	41.6	0.1	mg/L	35.71	117	90-110			
LCS (BEH0825-BS2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	38.9	0.1	mg/L	35.71	109	90-110			
Sodium	37	1	mg/L	35.71	103	90-110			
Potassium	37.8	0.500	mg/L	35.71	106	90-110			
Magnesium	38.9	0.1	mg/L	35.71	109	90-110			
Duplicate (BEH0825-DUP1)									
Source: 23H1494-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	21.2	0.1	mg/L	21.2			0.424	15	
Potassium	3.72	0.500	mg/L	3.92			5.34	15	
Sodium	21	1	mg/L	22			3.96	15	
Magnesium	8.3	0.1	mg/L	8.2			0.535	15	
Matrix Spike (BEH0825-MS1)									
Source: 23H1494-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	60.3	0.1	mg/L	35.71	21.2	109	90-110		
Potassium	43.1	0.500	mg/L	35.71	3.92	110	90-110		
Sodium	61	1	mg/L	35.71	22	111	90-110		
Magnesium	47.1	0.1	mg/L	35.71	8.2	109	90-110		
Matrix Spike (BEH0825-MS2)									
Source: 23H1496-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	187	0.1	mg/L	35.71	144	121	90-110		
Sodium	123	1	mg/L	35.71	83	111	90-110		
Potassium	47.7	0.500	mg/L	35.71	5.28	119	90-110		
Magnesium	82.5	0.1	mg/L	35.71	41.9	114	90-110		
Reference (BEH0825-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	24.1		mg/L	21.90		110	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEH0825 (Continued)

Reference (BEH0825-SRM2)

Sodium 88 Prepared: 8/16/2023 Analyzed: 8/18/2023

mg/L 91.50 96.1 90-110

Reference (BEH0825-SRM3)

Calcium 50.3 Prepared: 8/16/2023 Analyzed: 8/18/2023

Magnesium 39.0 mg/L 45.90 110 90-110

mg/L 35.60 109 90-110

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0841									
Blank (BEH0841-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO3	ND	10.0	mg/L						
Hydroxide as CaCO3	ND	1.00	mg/L						
pH	5.2	1.0	units						
Carbonate as CaCO3	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Blank (BEH0841-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Carbonate as CaCO3	ND	1	mg/L						
pH	5.3	1.0	units						
Alkalinity as CaCO3	ND	10.0	mg/L						
Hydroxide as CaCO3	ND	1.00	mg/L						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0841-BLK3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	5.4	1.0	units						
Hydroxide as CaCO3	ND	1.00	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Carbonate as CaCO3	ND	1	mg/L						
Alkalinity as CaCO3	ND	10.0	mg/L						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0841-DUP1)									
Source: 23H1494-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity	0.26	0.01	mmhos/cm		0.26		1.24	10	
pH	8.0	1.0	units		7.9		1.14	10	
Carbonate as CaCO3	ND	1	mg/L		ND			10	
Hydroxide as CaCO3	ND	1.00	mg/L		ND			10	
Alkalinity as CaCO3	109	10.0	mg/L		107		2.19	10	
Electrical Conductivity umhos	260	10.0	umhos/cm		257		1.24	10	
Duplicate (BEH0841-DUP2)									
Source: 23H1496-03									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	8.0	1.0	units		7.9		1.01	10	
Hydroxide as CaCO3	ND	1.00	mg/L		ND			10	
Alkalinity as CaCO3	470	10.0	mg/L		480		1.95	10	
Carbonate as CaCO3	ND	1	mg/L		ND			10	
Electrical Conductivity	1.47	0.01	mmhos/cm		1.45		1.05	10	
Electrical Conductivity umhos	1470	10.0	umhos/cm		1450		1.05	10	
Reference (BEH0841-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0841 (Continued)									
Reference (BEH0841-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity 522 umhos/cm 538.0 97.1 90-110									
Alkalinity as CaCO3 39.8 mg/L 40.60 98.1 90-110									
Reference (BEH0841-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity 529 umhos/cm 538.0 98.3 90-110									
Alkalinity as CaCO3 39.8 mg/L 40.60 98.1 90-110									
Reference (BEH0841-SRM3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity 550 umhos/cm 538.0 102 90-110									
Alkalinity as CaCO3 41.1 mg/L 40.60 101 90-110									
Reference (BEH0841-SRM4)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units		4.000		100	97.5-102.5	
Reference (BEH0841-SRM5)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units		4.000		100	97.5-102.5	
Reference (BEH0841-SRM6)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units		4.000		101	97.5-102.5	
Reference (BEH0841-SRM7)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	5.9		units		5.820		101	28178-101.7	

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0879									
Blank (BEH0879-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L						
Prepared: 8/17/2023 Analyzed: 8/22/2023									
LCS (BEH0879-BS1)									
Total Filterable Solids (TDS)	26.2	10.0	mg/L	2000	1.31	0-200			
Prepared: 8/17/2023 Analyzed: 8/22/2023									
Duplicate (BEH0879-DUP1)									
Total Filterable Solids (TDS)	500	10.0	mg/L	500			0.00	10	
Source: 23H1495-04 Prepared: 8/17/2023 Analyzed: 8/22/2023									
Duplicate (BEH0879-DUP2)									
Total Filterable Solids (TDS)	1510	10.0	mg/L	1560			3.26	10	
Source: 23H1496-02 Prepared: 8/17/2023 Analyzed: 8/22/2023									
Reference (BEH0879-SRM1)									
Total Filterable Solids (TDS)	397		mg/L	325.0	122	90-110			
Prepared: 8/17/2023 Analyzed: 8/22/2023									
Reference (BEH0879-SRM2)									
Total Filterable Solids (TDS)	517		mg/L	495.0	104	90-110			
Prepared: 8/17/2023 Analyzed: 8/22/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:36

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0984									
Blank (BEH0984-BLK1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L		Prepared: 8/21/2023	Analyzed: 8/22/2023			
Total Nitrogen	ND	1.00	mg/L						
Blank (BEH0984-BLK2)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L		Prepared: 8/21/2023	Analyzed: 8/22/2023			
Total Nitrogen	ND	1.00	mg/L						
LCS (BEH0984-BS1)									
Kjeldahl Nitrogen (TKN), Total	5.58	1.00	mg/L	5.709		97.8	90-110		
LCS (BEH0984-BS2)									
Kjeldahl Nitrogen (TKN), Total	5.82	1.00	mg/L	5.709		102	90-110		
Duplicate (BEH0984-DUP1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		Prepared: 8/21/2023	Analyzed: 8/22/2023			
					ND				10
Duplicate (BEH0984-DUP2)									
Kjeldahl Nitrogen (TKN), Total	ND	3.50	mg/L		Prepared: 8/21/2023	Analyzed: 8/22/2023			
					ND				10
Matrix Spike (BEH0984-MS1)									
Kjeldahl Nitrogen (TKN), Total	8.64	1.40	mg/L	7.992	ND	108	90-110		
Matrix Spike (BEH0984-MS2)									
Kjeldahl Nitrogen (TKN), Total	11.1	3.50	mg/L	9.990	ND	111	90-110		
Reference (BEH0984-SRM1)									
Kjeldahl Nitrogen (TKN), Total	25.0		mg/L	23.80		105	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



08/16/23 09:52

23H1494

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in ice chest					
Container: Ice Chest <input type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic	1								
	* pH Value	67								
	500 mL unpreserved (White) Plastic									
1 L unpreserved (White) Plastic	1									
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
Special	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									
DO KIT										
Other:										
Other:										



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:46
Reported: 08/23/2023 13:43

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1495-01	TID #14	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 11:46
23H1495-02	TID #16	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 10:15
23H1495-03	TID #18	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:24
23H1495-04	TID #19	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:18
23H1495-05	TID #24	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:53
23H1495-06	TID #25	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:56
23H1495-07	TID #26	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:58
23H1495-08	TID #29	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 15:43
23H1495-09	TID #41	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 10:08

Default Cooler Temperature on Receipt °C: -7.1
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample Results

**Sample: TID #14
23H1495-01 (Water)**

Sampled: 8/15/2023 11:46
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	143	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	40.3	mg/L	0.1	1		08/18/23 12:51	EPA 200.7		BEH0825
Chloride	69.9	mg/L	0.2	1	250	08/16/23 22:44	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.51	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	514	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	143	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	1.57	mg/L	0.500	1		08/18/23 12:51	EPA 200.7		BEH0825
Magnesium	12.5	mg/L	0.1	1		08/18/23 12:51	EPA 200.7		BEH0825
Sodium	51	mg/L	1	1		08/18/23 12:51	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 11:46	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	2.0	mg/L	0.1	1	10	08/16/23 22:44	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	8.0	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	6.8	mg/L	0.5	1	250	08/16/23 22:44	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	337	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:08	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	2.04	mg/L	1.00	1		08/22/23 13:08	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #16
23H1495-02 (Water)

Sampled: 8/15/2023 10:15

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	259	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	100	mg/L	0.1	1		08/18/23 12:53	EPA 200.7		BEH0825
Chloride	86.1	mg/L	0.2	1	250	08/16/23 23:04	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.86	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	856	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO₃	259	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	4.66	mg/L	0.500	1		08/18/23 12:53	EPA 200.7		BEH0825
Magnesium	28.4	mg/L	0.1	1		08/18/23 12:53	EPA 200.7		BEH0825
Sodium	47	mg/L	1	1		08/18/23 12:53	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 10:15	Field		BEH1015
Nitrate Nitrogen as NO₃N	2.3	mg/L	0.1	1	10	08/16/23 23:04	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	7.7	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO₄)	98.8	mg/L	0.5	1	250	08/16/23 23:04	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	630	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:09	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	2.51	mg/L	1.00	1		08/22/23 13:09	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #18
23H1495-03 (Water)

Sampled: 8/15/2023 15:24

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	168	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	39.8	mg/L	0.1	1		08/18/23 12:54	EPA 200.7		BEH0825
Chloride	29.0	mg/L	0.2	1	250	08/16/23 23:24	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.43	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	432	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	168	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	1.41	mg/L	0.500	1		08/18/23 12:54	EPA 200.7		BEH0825
Magnesium	13.1	mg/L	0.1	1		08/18/23 12:54	EPA 200.7		BEH0825
Sodium	32	mg/L	1	1		08/18/23 12:54	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:24	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	3.4	mg/L	0.1	1	10	08/16/23 23:24	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	8.0	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	12.4	mg/L	0.5	1	250	08/16/23 23:24	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	305	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:10	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	3.39	mg/L	1.00	1		08/22/23 13:10	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #19
23H1495-04 (Water)

Sampled: 8/15/2023 15:18

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	272	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	79.4	mg/L	0.1	1		08/18/23 12:55	EPA 200.7		BEH0825
Chloride	43.5	mg/L	0.2	1	250	08/16/23 23:44	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.71	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	706	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	272	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	2.97	mg/L	0.500	1		08/18/23 12:55	EPA 200.7		BEH0825
Magnesium	25.1	mg/L	0.1	1		08/18/23 12:55	EPA 200.7		BEH0825
Sodium	45	mg/L	1	1		08/18/23 12:55	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:18	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	9.5	mg/L	0.1	1	10	08/16/23 23:44	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	8.0	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	32.6	mg/L	0.5	1	250	08/16/23 23:44	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	500	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:12	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	9.49	mg/L	1.00	1		08/22/23 13:12	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #24
23H1495-05 (Water)

Sampled: 8/15/2023 15:53

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	300	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	77.4	mg/L	0.1	1		08/18/23 12:56	EPA 200.7		BEH0825
Chloride	35.1	mg/L	0.2	1	250	08/17/23 00:04	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.73	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	731	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	300	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	3.71	mg/L	0.500	1		08/18/23 12:56	EPA 200.7		BEH0825
Magnesium	21.8	mg/L	0.1	1		08/18/23 12:56	EPA 200.7		BEH0825
Sodium	56	mg/L	1	1		08/18/23 12:56	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:53	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	9.9	mg/L	0.1	1	10	08/17/23 00:04	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	8.1	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	22.7	mg/L	0.5	1	250	08/17/23 00:04	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	530	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:13	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	9.88	mg/L	1.00	1		08/22/23 13:13	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #25
23H1495-06 (Water)

Sampled: 8/15/2023 15:56

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	312	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	102	mg/L	0.1	1		08/18/23 12:57	EPA 200.7		BEH0825
Chloride	62.1	mg/L	0.2	1	250	08/17/23 00:25	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.89	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	894	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	312	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	5.31	mg/L	0.500	1		08/18/23 12:57	EPA 200.7		BEH0825
Magnesium	28.6	mg/L	0.1	1		08/18/23 12:57	EPA 200.7		BEH0825
Sodium	60	mg/L	1	1		08/18/23 12:57	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:56	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	15.3	mg/L	0.1	1	10	08/17/23 00:25	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	7.9	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	31.7	mg/L	0.5	1	250	08/17/23 00:25	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	640	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:15	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	15.3	mg/L	1.00	1		08/22/23 13:15	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #26
23H1495-07 (Water)

Sampled: 8/15/2023 15:58

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	220	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	73.1	mg/L	0.1	1		08/18/23 12:59	EPA 200.7		BEH0825
Chloride	41.9	mg/L	0.2	1	250	08/17/23 00:45	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.67	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	672	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	220	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	3.67	mg/L	0.500	1		08/18/23 12:59	EPA 200.7		BEH0825
Magnesium	18.6	mg/L	0.1	1		08/18/23 12:59	EPA 200.7		BEH0825
Sodium	45	mg/L	1	1		08/18/23 12:59	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:58	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	15.0	mg/L	0.1	1	10	08/17/23 00:45	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	8.0	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	25.0	mg/L	0.5	1	250	08/17/23 00:45	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	470	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:16	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	15.0	mg/L	1.00	1		08/22/23 13:16	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #29
23H1495-08 (Water)

Sampled: 8/15/2023 15:43

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	274	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	70.3	mg/L	0.1	1		08/18/23 13:00	EPA 200.7		BEH0825
Chloride	13.6	mg/L	0.2	1	250	08/17/23 01:05	EPA 300.0		BEH0806
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.57	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	568	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO ₃	274	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	2.60	mg/L	0.500	1		08/18/23 13:00	EPA 200.7		BEH0825
Magnesium	21.2	mg/L	0.1	1		08/18/23 13:00	EPA 200.7		BEH0825
Sodium	36	mg/L	1	1		08/18/23 13:00	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 15:43	Field		BEH1015
Nitrate Nitrogen as NO ₃ N	3.6	mg/L	0.1	1	10	08/17/23 01:05	EPA 300.0		BEH0806
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	7.9	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO ₄)	11.4	mg/L	0.5	1	250	08/17/23 01:05	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	397	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:17	SM 4500-NH ₃ C		BEH0984
Total Nitrogen	3.57	mg/L	1.00	1		08/22/23 13:17	SM 4500-NH ₃ C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Sample: TID #41
23H1495-09 (Water)

Sampled: 8/15/2023 10:08

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	326	mg/L	10.0	1		08/18/23 08:24	SM 2320 B		BEH0841
Calcium	113	mg/L	0.1	1		08/18/23 13:01	EPA 200.7		BEH0825
Chloride	75.8	mg/L	0.2	1	250	08/17/23 01:25	EPA 300.0		BEH0806
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:24	SM 2320 B		BEH0841
Electrical Conductivity	0.95	mmhos/cm	0.01	1		08/18/23 08:24	SM 2510 B		BEH0841
Electrical Conductivity umhos	947	umhos/cm	10.0	1		08/18/23 08:24	SM 2510 B		BEH0841
Bicarbonate as CaCO3	326	mg/L	5.00	1		08/18/23 08:24	SM 2320 B		BEH0841
Potassium	4.68	mg/L	0.500	1		08/18/23 13:01	EPA 200.7		BEH0825
Magnesium	32.0	mg/L	0.1	1		08/18/23 13:01	EPA 200.7		BEH0825
Sodium	51	mg/L	1	1		08/18/23 13:01	EPA 200.7		BEH0825
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 10:08	Field		BEH1015
Nitrate Nitrogen as NO3N	5.8	mg/L	0.1	1	10	08/17/23 01:25	EPA 300.0		BEH0806
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/18/23 08:24	SM 2320 B		BEH0841
pH	7.9	units	1.0	1		08/18/23 08:24	SM 4500-H+	H	BEH0841
Sulfate (SO4)	58.8	mg/L	0.5	1	250	08/17/23 01:25	EPA 300.0		BEH0806
Total Filterable Solids (TDS)	530	mg/L	10.0	1		08/22/23 15:07	SM 2540 C		BEH0879
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:19	SM 4500-NH3 C		BEH0984
Total Nitrogen	5.84	mg/L	1.00	1		08/22/23 13:19	SM 4500-NH3 C		BEH0984

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0806									
Blank (BEH0806-BLK1)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0806-BLK2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0806-BLK3)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0806-BLK4)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
LCS (BEH0806-BS1)									
Chloride 4.9 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N 5.1 0.1 mg/L									
Sulfate (SO ₄) 4.7 0.5 mg/L									
98.8 90-110									
LCS (BEH0806-BS2)									
Chloride 4.9 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N 5.0 0.1 mg/L									
Sulfate (SO ₄) 4.7 0.5 mg/L									
97.9 90-110									
LCS (BEH0806-BS3)									
Chloride 5.0 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N 5.1 0.1 mg/L									
Sulfate (SO ₄) 4.8 0.5 mg/L									
99.5 90-110									
Duplicate (BEH0806-DUP1)									
Source: 23H1490-03 Prepared & Analyzed: 8/16/2023									
Chloride 20.1 0.2 mg/L									
Nitrate Nitrogen as NO ₃ N 1.7 0.1 mg/L									
Sulfate (SO ₄) 5.7 0.5 mg/L									
20.3 1.17 10									
Duplicate (BEH0806-DUP2)									
Source: 23H1494-01 Prepared & Analyzed: 8/17/2023									
Chloride 6.7 0.2 mg/L									
Nitrate Nitrogen as NO ₃ N 2.4 0.1 mg/L									
Sulfate (SO ₄) 15.5 0.5 mg/L									
6.6 0.420 10									
2.4 0.451 10									
15.5 0.0388 10									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0806 (Continued)									
Duplicate (BEH0806-DUP3)									
Source: 23H1496-07									
Prepared & Analyzed: 8/17/2023									
Chloride	19.0	0.2	mg/L		19.0			0.148	10
Nitrate Nitrogen as NO3N	1.1	0.1	mg/L		1.1			0.371	10
Sulfate (SO4)	2.8	0.5	mg/L		2.7			0.509	10
Matrix Spike (BEH0806-MS1)									
Source: 23H1490-03									
Prepared & Analyzed: 8/16/2023									
Chloride	25.5	0.2	mg/L	5.000	20.3	104	90-110		
Nitrate Nitrogen as NO3N	6.9	0.1	mg/L	5.000	1.7	105	90-110		
Sulfate (SO4)	10.9	0.5	mg/L	5.000	5.8	103	90-110		
Matrix Spike (BEH0806-MS2)									
Source: 23H1494-01									
Prepared & Analyzed: 8/17/2023									
Chloride	11.7	0.2	mg/L	5.000	6.6	102	90-110		
Nitrate Nitrogen as NO3N	7.6	0.1	mg/L	5.000	2.4	104	90-110		
Sulfate (SO4)	20.5	0.5	mg/L	5.000	15.5	102	90-110		
Matrix Spike (BEH0806-MS3)									
Source: 23H1496-07									
Prepared & Analyzed: 8/17/2023									
Chloride	23.6	0.2	mg/L	5.000	19.0	93.3	90-110		
Nitrate Nitrogen as NO3N	6.3	0.1	mg/L	5.000	1.1	104	90-110		
Sulfate (SO4)	7.8	0.5	mg/L	5.000	2.7	102	90-110		
Reference (BEH0806-SRM1)									
Prepared & Analyzed: 8/16/2023									
Chloride	12.7		mg/L	12.50		101	90-110		
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00		101	90-110		
Sulfate (SO4)	9.9		mg/L	10.00		99.2	90-110		
Reference (BEH0806-SRM2)									
Prepared & Analyzed: 8/16/2023									
Chloride	12.8		mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Sulfate (SO4)	10.0		mg/L	10.00		100	90-110		
Reference (BEH0806-SRM3)									
Prepared & Analyzed: 8/17/2023									
Chloride	12.8		mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Sulfate (SO4)	10.0		mg/L	10.00		100	90-110		
Reference (BEH0806-SRM4)									
Prepared & Analyzed: 8/17/2023									
Chloride	12.9		mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.3		mg/L	10.00		103	90-110		
Sulfate (SO4)	10.1		mg/L	10.00		101	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0825									
Blank (BEH0825-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	ND	0.1	mg/L						
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEH0825-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	ND	0.500	mg/L						
Sodium	ND	1	mg/L						
Calcium	ND	0.1	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEH0825-BS1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	41.8	0.1	mg/L	35.71	117	90-110			
Sodium	39	1	mg/L	35.71	110	90-110			
Potassium	40.5	0.500	mg/L	35.71	113	90-110			
Magnesium	41.6	0.1	mg/L	35.71	117	90-110			
LCS (BEH0825-BS2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	38.9	0.1	mg/L	35.71	109	90-110			
Potassium	37.8	0.500	mg/L	35.71	106	90-110			
Sodium	37	1	mg/L	35.71	103	90-110			
Magnesium	38.9	0.1	mg/L	35.71	109	90-110			
Duplicate (BEH0825-DUP1)									
Source: 23H1494-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	21	1	mg/L	22	3.96	15			
Calcium	21.2	0.1	mg/L	21.2	0.424	15			
Potassium	3.72	0.500	mg/L	3.92	5.34	15			
Magnesium	8.3	0.1	mg/L	8.2	0.535	15			
Matrix Spike (BEH0825-MS1)									
Source: 23H1494-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	60.3	0.1	mg/L	35.71	21.2	109	90-110		
Potassium	43.1	0.500	mg/L	35.71	3.92	110	90-110		
Sodium	61	1	mg/L	35.71	22	111	90-110		
Magnesium	47.1	0.1	mg/L	35.71	8.2	109	90-110		
Matrix Spike (BEH0825-MS2)									
Source: 23H1496-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	47.7	0.500	mg/L	35.71	5.28	119	90-110		
Calcium	187	0.1	mg/L	35.71	144	121	90-110		
Sodium	123	1	mg/L	35.71	83	111	90-110		
Magnesium	82.5	0.1	mg/L	35.71	41.9	114	90-110		
Reference (BEH0825-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	24.1		mg/L	21.90	110	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEH0825 (Continued)

Reference (BEH0825-SRM2)

Sodium 88 Prepared: 8/16/2023 Analyzed: 8/18/2023

mg/L 91.50 96.1 90-110

Reference (BEH0825-SRM3)

Prepared: 8/16/2023 Analyzed: 8/18/2023

Calcium 50.3 mg/L 45.90 110 90-110

Magnesium 39.0 mg/L 35.60 109 90-110

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0841									
Blank (BEH0841-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	5.2	1.0	units						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Carbonate as CaCO ₃	ND	1	mg/L						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0841-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Carbonate as CaCO ₃	ND	1	mg/L						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.3	1.0	units						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0841-BLK3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.4	1.0	units						
Carbonate as CaCO ₃	ND	1	mg/L						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0841-DUP1)									
Source: 23H1494-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND				10
Electrical Conductivity	0.26	0.01	mmhos/cm		0.26			1.24	10
pH	8.0	1.0	units		7.9			1.14	10
Carbonate as CaCO ₃	ND	1	mg/L		ND				10
Alkalinity as CaCO ₃	109	10.0	mg/L		107			2.19	10
Electrical Conductivity umhos	260	10.0	umhos/cm		257			1.24	10
Duplicate (BEH0841-DUP2)									
Source: 23H1496-03									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Carbonate as CaCO ₃	ND	1	mg/L		ND				10
pH	8.0	1.0	units		7.9			1.01	10
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND				10
Electrical Conductivity	1.47	0.01	mmhos/cm		1.45			1.05	10
Alkalinity as CaCO ₃	470	10.0	mg/L		480			1.95	10
Electrical Conductivity umhos	1470	10.0	umhos/cm		1450			1.05	10
Reference (BEH0841-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0841 (Continued)									
Reference (BEH0841-SRM1)									
Alkalinity as CaCO ₃ 39.8 mg/L 40.60 98.1 90-110									
Electrical Conductivity 522 umhos/cm 538.0 97.1 90-110									
Reference (BEH0841-SRM2)									
Alkalinity as CaCO ₃ 39.8 mg/L 40.60 98.1 90-110									
Electrical Conductivity 529 umhos/cm 538.0 98.3 90-110									
Reference (BEH0841-SRM3)									
Alkalinity as CaCO ₃ 41.1 mg/L 40.60 101 90-110									
Electrical Conductivity 550 umhos/cm 538.0 102 90-110									
Reference (BEH0841-SRM4)									
pH 4.0 units 4.000 100 97.5-102.5									
Reference (BEH0841-SRM5)									
pH 4.0 units 4.000 100 97.5-102.5									
Reference (BEH0841-SRM6)									
pH 4.0 units 4.000 101 97.5-102.5									
Reference (BEH0841-SRM7)									
pH 5.9 units 5.820 101 28178-101.7									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0879									
Blank (BEH0879-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L						
Prepared: 8/17/2023 Analyzed: 8/22/2023									
LCS (BEH0879-BS1)									
Total Filterable Solids (TDS)	26.2	10.0	mg/L	2000	1.31	0-200			
Prepared: 8/17/2023 Analyzed: 8/22/2023									
Duplicate (BEH0879-DUP1)									
Total Filterable Solids (TDS)	500	10.0	mg/L	500			0.00	10	
Source: 23H1495-04 Prepared: 8/17/2023 Analyzed: 8/22/2023									
Duplicate (BEH0879-DUP2)									
Total Filterable Solids (TDS)	1510	10.0	mg/L	1560			3.26	10	
Source: 23H1496-02 Prepared: 8/17/2023 Analyzed: 8/22/2023									
Reference (BEH0879-SRM1)									
Total Filterable Solids (TDS)	397		mg/L	325.0	122	90-110			
Prepared: 8/17/2023 Analyzed: 8/22/2023									
Reference (BEH0879-SRM2)									
Total Filterable Solids (TDS)	517		mg/L	495.0	104	90-110			
Prepared: 8/17/2023 Analyzed: 8/22/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 11:35
Reported: 08/23/2023 13:43

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0984									
Blank (BEH0984-BLK1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
Blank (BEH0984-BLK2)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
LCS (BEH0984-BS1)									
Kjeldahl Nitrogen (TKN), Total	5.58	1.00	mg/L	5.709		97.8	90-110		
LCS (BEH0984-BS2)									
Kjeldahl Nitrogen (TKN), Total	5.82	1.00	mg/L	5.709		102	90-110		
Duplicate (BEH0984-DUP1)									
	Source: 23H1495-02								
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		ND				10
Duplicate (BEH0984-DUP2)									
	Source: 23H1496-06								
Kjeldahl Nitrogen (TKN), Total	ND	3.50	mg/L		ND				10
Matrix Spike (BEH0984-MS1)									
	Source: 23H1495-02								
Kjeldahl Nitrogen (TKN), Total	8.64	1.40	mg/L	7.992	ND	108	90-110		
Matrix Spike (BEH0984-MS2)									
	Source: 23H1496-06								
Kjeldahl Nitrogen (TKN), Total	11.1	3.50	mg/L	9.990	ND	111	90-110		
Reference (BEH0984-SRM1)									
Kjeldahl Nitrogen (TKN), Total	25.0		mg/L	23.80		105	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



08/16/23 11:35

23H1495

Purchase Order No

14117 | 08
Bill To: Acct # Cons #

Results Need By

Name: Tri test Dairy

Address: 16500 Avenue 14

City: Madera State: CA Zip: 93637

Telephone: Fax:

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

REQUESTED BY: Danny test

PROJECT:

CROP: IRRIGATION WELLS

[X] Copy of Chain [X] QA/QC Documents

Sampled By:

FOR AG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

No. Samples: 9 No of Bottles:

Water Type: [] Drinking Water [] Wastewater
[] Ag Water [] Groundwater [] Monitoring Well

Other:

Analysis and Bottles Required: (Please indicate Analysis)

() DWW1: EC, NO₃-N NH4-N Field Test

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DWW2: DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DCW1: EC, NO₃-N, TKN, TN, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW1: EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW2: DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl

(1-1 Liter Plastic, Unpreserved) White Per Sample

() Other + TN

Description of Samples

	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH ₄ -N PURGE
1	8/15/23			245 MIN
2				
3				
4				
5				
6				
7				
8				
9				
10				

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/15/23 10:58	8/16/23
Second				
Third				
Fourth	DR	DLZ	8/16/23 9:52	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged.

Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Inventory Information:		Shipping	
Sampling hrs	\$	In	
Miles	\$	Out	
Consulting			
Amt Paid	Rec By	Check #	Date

Signature

*Sample received in cooler with ice (coolant)

[] Yes [] No

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 9/25/2023
Location: Laboratory



08/16/23 11:35

23H1495

JG

Shipping Information: Shipped In Picked-Up Walk In DLI Sampler Other

Samples refrigerated before pick up Picked up samples placed in Ice chest

Container: Ice Chest Box None

Refrigerant: Wet Ice Blue Ice None

Samples Preserved with HNO_3 or H_2SO_4 were: Received Preserved Preserved Upon Receipt at Laboratory

Type of Container(s) Received

Sample Number

1 2 3 4 5 6 7 8 9 10

Sample Containers for Internal (DLI) Use

(Containers that go into the Lab)

Plastics	100 mL sterile plastic $\text{Na}_2\text{S}_2\text{O}_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1	1	1	1	1	1	1	1	1	1
	* pH Value	C2	C2	C2	S2	S2	C2	I2	C2	C2	C2
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1	1	1	1	1	1	1	1
Special	1 L unpreserved (BOD) (Purple) Plastic										
	500mL unpreserved (White) Glass										
	PO4-P Kit										
Other:											
pH Strips											
Lot: 10BDH4501 Exp: Jan 2025											

Sample Containers for Subcontracted ("Send Out") Analyses

(Containers that go in the Subcontract ("Send Out") Refrigerator)

Plastics	100 mL sterile plastic $\text{Na}_2\text{S}_2\text{O}_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $\text{Na}_2\text{S}_2\text{O}_3$ + MCAA (EPA531)										
	40 mL VOA, $\text{Na}_2\text{S}_2\text{O}_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $\text{Na}_2\text{S}_2\text{O}_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $\text{Na}_2\text{S}_2\text{O}_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $\text{Na}_2\text{S}_2\text{O}_3$ (Green)										
	250 mL AG $\text{Na}_2\text{S}_2\text{O}_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
Special	1 L AG $\text{Na}_2\text{S}_2\text{O}_3$ (Green)										
	1 L AG HCl (Blue)										
	Cr ⁶⁺ - 50mL Plastic w/Borate/ HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
Chlorite/Bromate - 250 mL AG with EDA											
HAA5 - 250mL AG Ammonium Chlorite											
DO KIT											
Other:											
Other:											



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0307-01	TID #11	Ag Water	Shannon	Irrigation Well	12/06/2023 8:01

Default Cooler Temperature on Receipt °C: 2.9
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

A handwritten signature in black ink that reads 'Scott M. Tricland'.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Sample Results

**Sample: TID #11
23L0307-01 (Water)**

Sampled: 12/6/2023 8:01
Sampled By: Shannon

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	196	mg/L	10.0	1		12/07/23 16:36	SM 2320 B		BEL0176
Calcium	68.3	mg/L	0.1	1		12/13/23 09:32	EPA 200.7		BEL0230
Chloride	66.2	mg/L	0.2	1	250	12/06/23 19:02	EPA 300.0		BEL0163
Carbonate as CaCO3	ND	mg/L	1	1		12/07/23 16:36	SM 2320 B		BEL0176
Electrical Conductivity	0.66	mmhos/cm	0.01	1		12/08/23 11:06	SM 2510 B		BEL0280
Electrical Conductivity umhos	657	umhos/cm	10.0	1		12/08/23 11:06	SM 2510 B		BEL0280
Bicarbonate as CaCO3	196	mg/L	5.00	1		12/07/23 16:36	SM 2320 B		BEL0176
Potassium	1.98	mg/L	0.500	1		12/13/23 09:32	EPA 200.7		BEL0230
Magnesium	14.5	mg/L	0.1	1		12/13/23 09:32	EPA 200.7		BEL0230
Sodium	55	mg/L	1	1		12/13/23 09:32	EPA 200.7		BEL0230
Ammonia (as N)	*	mg/L	0.00	1		12/07/23 09:31	Field		BEL0225
Nitrate Nitrogen as NO3N	3.6	mg/L	0.1	1	10	12/06/23 19:02	EPA 300.0		BEL0163
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/07/23 16:36	SM 2320 B		BEL0176
pH	7.7	units	1.0	1		12/07/23 16:36	SM 4500-H+	H	BEL0176
Temperature	25.0	units	0.0	1		12/07/23 16:36	SM 4500-H+	H	BEL0176
Sulfate (SO4)	31.9	mg/L	0.5	1	250	12/06/23 19:02	EPA 300.0		BEL0163
Total Filterable Solids (TDS)	370	mg/L	10.0	1		12/07/23 15:55	SM 2540 C		BEL0175
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		12/08/23 10:11	SM 4500-NH3 C		BEL0214
Total Nitrogen	4.32	mg/L	1.00	1		12/08/23 10:11	SM 4500-NH3 C		BEL0214

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0163									
Blank (BEL0163-BLK1)									
Prepared & Analyzed: 12/6/2023									
Chloride	ND	0.2	mg/L						
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Sulfate (SO4)	ND	0.5	mg/L						
LCS (BEL0163-BS1)									
Prepared & Analyzed: 12/6/2023									
Chloride	4.8	0.2	mg/L	5.000	95.1	90-110			
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	99.6	90-110			
Sulfate (SO4)	4.4	0.5	mg/L	5.000	87.8	90-110			
LCS (BEL0163-BS2)									
Prepared & Analyzed: 12/7/2023									
Chloride	4.8	0.2	mg/L	5.000	96.4	90-110			
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	101	90-110			
Sulfate (SO4)	4.5	0.5	mg/L	5.000	89.2	90-110			
Duplicate (BEL0163-DUP1)									
Source: 23L0259-01									
Prepared & Analyzed: 12/6/2023									
Chloride	2.1	0.2	mg/L		2.1		0.141		10
Nitrate Nitrogen as NO3N	1.3	0.1	mg/L		1.3		0.157		10
Sulfate (SO4)	8.0	0.5	mg/L		8.0		0.224		10
Duplicate (BEL0163-DUP2)									
Source: 23L0320-01									
Prepared & Analyzed: 12/7/2023									
Chloride	12.7	0.2	mg/L		12.7		0.418		10
Nitrate Nitrogen as NO3N	2.2	0.1	mg/L		2.2		0.464		10
Sulfate (SO4)	17.5	0.5	mg/L		17.4		0.636		10
Matrix Spike (BEL0163-MS1)									
Source: 23L0259-01									
Prepared & Analyzed: 12/6/2023									
Chloride	7.4	0.2	mg/L	5.000	2.1	105	90-110		
Nitrate Nitrogen as NO3N	6.5	0.1	mg/L	5.000	1.3	105	90-110		
Sulfate (SO4)	13.3	0.5	mg/L	5.000	8.0	105	90-110		
Matrix Spike (BEL0163-MS2)									
Source: 23L0320-01									
Prepared & Analyzed: 12/7/2023									
Chloride	17.5	0.2	mg/L	5.000	12.7	97.4	90-110		
Nitrate Nitrogen as NO3N	7.4	0.1	mg/L	5.000	2.2	104	90-110		
Sulfate (SO4)	22.4	0.5	mg/L	5.000	17.4	99.3	90-110		
Reference (BEL0163-SRM1)									
Prepared & Analyzed: 12/6/2023									
Chloride	12.8		mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Sulfate (SO4)	9.8		mg/L	10.00		98.4	90-110		
Reference (BEL0163-SRM2)									
Prepared & Analyzed: 12/6/2023									
Chloride	12.8		mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Sulfate (SO4)	9.8		mg/L	10.00		98.5	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEL0163 (Continued)

Reference (BEL0163-SRM3)

Chloride	12.8	mg/L	12.50	103	90-110
Nitrate Nitrogen as NO ₃ N	10.2	mg/L	10.00	102	90-110
Sulfate (SO ₄)	9.9	mg/L	10.00	98.7	90-110

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0175									
Blank (BEL0175-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L						
Prepared: 12/6/2023 Analyzed: 12/7/2023									
LCS (BEL0175-BS1)									
Total Filterable Solids (TDS)	25.0	10.0	mg/L	2000	1.25	0-200			
Prepared: 12/6/2023 Analyzed: 12/7/2023									
Duplicate (BEL0175-DUP1)									
Total Filterable Solids (TDS)	1350	10.0	mg/L	1350			0.00	10	
Source: 23L0258-01 Prepared: 12/6/2023 Analyzed: 12/7/2023									
Duplicate (BEL0175-DUP2)									
Total Filterable Solids (TDS)	390	10.0	mg/L	370			5.26	10	
Source: 23L0307-01 Prepared: 12/6/2023 Analyzed: 12/7/2023									
Reference (BEL0175-SRM1)									
Total Filterable Solids (TDS)	323		mg/L	325.0	99.5	90-110			
Prepared: 12/6/2023 Analyzed: 12/7/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0176									
Blank (BEL0176-BLK1)									
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Carbonate as CaCO ₃	ND	1	mg/L						
pH	5.2	1.0	units						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Temperature	25.0	0.0	units						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Blank (BEL0176-BLK2)									
pH	4.4	1.0	units						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Carbonate as CaCO ₃	ND	1	mg/L						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Temperature	25.0	0.0	units						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Blank (BEL0176-BLK3)									
Carbonate as CaCO ₃	ND	1	mg/L						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
pH	5.5	1.0	units						
Temperature	25.0	0.0	units						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Duplicate (BEL0176-DUP1)									
		Source: 23L0258-06			Prepared & Analyzed: 12/7/2023				
Alkalinity as CaCO ₃	152	10.0	mg/L		143		6.29	10	
Carbonate as CaCO ₃	ND	1	mg/L		ND			10	
pH	7.8	1.0	units		7.7		0.773	10	
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND			10	
Duplicate (BEL0176-DUP2)									
		Source: 23L0309-01			Prepared & Analyzed: 12/7/2023				
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND			10	
Carbonate as CaCO ₃	ND	1	mg/L		ND			10	
Alkalinity as CaCO ₃	436	10.0	mg/L		455		4.35	10	
pH	7.7	1.0	units		7.7		0.130	10	
Reference (BEL0176-SRM1)									
Alkalinity as CaCO ₃	127		mg/L	128.0	99.4	90-110			
Reference (BEL0176-SRM2)									
Alkalinity as CaCO ₃	129		mg/L	128.0	101	90-110			
Reference (BEL0176-SRM3)									
Alkalinity as CaCO ₃	124		mg/L	128.0	97.0	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEL0176 (Continued)

Reference (BEL0176-SRM4)					Prepared & Analyzed: 12/7/2023				
pH	4.0		units	4.000		99.5	97.5-102.5		
Reference (BEL0176-SRM5)					Prepared & Analyzed: 12/7/2023				
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEL0176-SRM6)					Prepared & Analyzed: 12/7/2023				
pH	3.9		units	4.000		98.2	97.5-102.5		
Reference (BEL0176-SRM7)					Prepared & Analyzed: 12/7/2023				
pH	7.5		units	7.520		99.7	67021-101.3		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0214									
Blank (BEL0214-BLK2)									
Kjeldahl Nitrogen (TKN), Total									
ND 1.00 mg/L									
Total Nitrogen									
ND 1.00 mg/L									
Blank (BEL0214-BLK3)									
Kjeldahl Nitrogen (TKN), Total									
ND 1.00 mg/L									
Total Nitrogen									
ND 1.00 mg/L									
LCS (BEL0214-BS1)									
Kjeldahl Nitrogen (TKN), Total									
5.65 1.00 mg/L 5.709 99.0 90-110									
LCS (BEL0214-BS2)									
Kjeldahl Nitrogen (TKN), Total									
5.92 1.00 mg/L 5.709 104 90-110									
Duplicate (BEL0214-DUP1)									
Kjeldahl Nitrogen (TKN), Total									
ND 1.40 mg/L ND 10 10									
Duplicate (BEL0214-DUP2)									
Kjeldahl Nitrogen (TKN), Total									
14.4 1.40 mg/L 13.8 4.29 10									
Matrix Spike (BEL0214-MS1)									
Kjeldahl Nitrogen (TKN), Total									
8.47 1.40 mg/L 7.992 ND 106 90-110									
Matrix Spike (BEL0214-MS2)									
Kjeldahl Nitrogen (TKN), Total									
22.5 1.40 mg/L 7.992 13.8 110 90-110									
Reference (BEL0214-SRM1)									
Kjeldahl Nitrogen (TKN), Total									
24.0 mg/L 23.80 101 90-110									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0230									
Blank (BEL0230-BLK1)									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Calcium	ND	0.1	mg/L						
Potassium	ND	0.500	mg/L						
Sodium	ND	1	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEL0230-BLK2)									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Sodium	ND	1	mg/L						
Calcium	ND	0.1	mg/L						
Potassium	ND	0.500	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEL0230-BS1)									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Sodium	38	1	mg/L	35.71	107	90-110			
Calcium	37.4	0.1	mg/L	35.71	105	90-110			
Potassium	36.2	0.500	mg/L	35.71	101	90-110			
Magnesium	37.8	0.1	mg/L	35.71	106	90-110			
LCS (BEL0230-BS2)									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Calcium	37.1	0.1	mg/L	35.71	104	90-110			
Sodium	38	1	mg/L	35.71	106	90-110			
Potassium	36.0	0.500	mg/L	35.71	101	90-110			
Magnesium	37.7	0.1	mg/L	35.71	105	90-110			
Duplicate (BEL0230-DUP1)									
Source: 23L0309-01									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Sodium	91	1	mg/L	94	3.85	15			
Potassium	5.20	0.500	mg/L	5.82	11.3	15			
Calcium	141	0.1	mg/L	156	9.83	15			
Magnesium	41.5	0.1	mg/L	44.4	6.78	15			
Matrix Spike (BEL0230-MS1)									
Source: 23L0309-01									
Prepared: 12/12/2023 Analyzed: 12/13/2023									
Sodium	122	1	mg/L	35.71	94	79.6	90-110		
Calcium	171	0.1	mg/L	35.71	156	43.7	90-110		
Potassium	41.5	0.500	mg/L	35.71	5.82	99.9	90-110		
Magnesium	75.6	0.1	mg/L	35.71	44.4	87.5	90-110		
Matrix Spike (BEL0230-MS2)									
Source: 23L0447-01									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Calcium	133	0.1	mg/L	35.71	100	91.0	90-110		
Sodium	69	1	mg/L	35.71	34	99.9	90-110		
Potassium	39.3	0.500	mg/L	35.71	2.72	102	90-110		
Magnesium	61.6	0.1	mg/L	35.71	25.2	102	90-110		
Reference (BEL0230-SRM2)									
Prepared: 12/7/2023 Analyzed: 12/13/2023									
Potassium	21.6	mg/L		21.90	98.6	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0230 (Continued)									
Reference (BEL0230-SRM2)									
Sodium	96		mg/L	91.50		105	90-110		
Reference (BEL0230-SRM3)									
Calcium	42.0		mg/L	45.90		91.4	90-110		
Magnesium	33.0		mg/L	35.60		92.6	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:35

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0280									
Blank (BEL0280-BLK1)									
Prepared & Analyzed: 12/8/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEL0280-BLK2)									
Prepared & Analyzed: 12/8/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEL0280-DUP1)									
Source: 23L0307-01 Prepared & Analyzed: 12/8/2023									
Electrical Conductivity	0.66	0.01	mmhos/cm		0.66			0.759	10
Electrical Conductivity umhos	662	10.0	umhos/cm		657			0.759	10
Reference (BEL0280-SRM1)									
Prepared & Analyzed: 12/8/2023									
Electrical Conductivity	418		umhos/cm	426.0	98.2	90-110			
Reference (BEL0280-SRM2)									
Prepared & Analyzed: 12/8/2023									
Electrical Conductivity	1000		umhos/cm	1000	100	90-110			
Electrical Conductivity umhos	1000		umhos/cm	1000	100	90-110			
Reference (BEL0280-SRM3)									
Prepared & Analyzed: 12/8/2023									
Electrical Conductivity	1010		umhos/cm	1000	101	90-110			
Electrical Conductivity umhos	1010		umhos/cm	1000	101	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Paste Label Here

pH Strips

Lot: 10BDH4501 Exp: Jan 2025

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk-In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>																																																																																																																																																																																																									
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest																																																																																																																																																																																																				
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>																																																																																																																																																																																																				
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory																																																																																																																																																																																																									
Type of Container(s) Received		Sample Number																																																																																																																																																																																																							
		1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																														
Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>																																																																																																																																																																																																									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	250 mL unpreserved (White) Plastic																																																																																																																																																																																																								
	250 mL HNO ₃ (Red) Plastic																																																																																																																																																																																																								
	* pH Value																																																																																																																																																																																																								
	250 mL H ₂ SO ₄ (Yellow) Plastic	1																																																																																																																																																																																																							
	* pH Value	22																																																																																																																																																																																																							
	500 mL unpreserved (White) Plastic																																																																																																																																																																																																								
1 L unpreserved (White) Plastic	1																																																																																																																																																																																																								
1 L unpreserved (BOD) (Purple) Plastic																																																																																																																																																																																																									
Special	500mL unpreserved (White) Glass																																																																																																																																																																																																								
	PO4-P Kit																																																																																																																																																																																																								
	Other:																																																																																																																																																																																																								
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>																																																																																																																																																																																																									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	250 mL unpreserved (White) Plastic																																																																																																																																																																																																								
	250 mL HNO ₃ (Red) Plastic																																																																																																																																																																																																								
	250 mL H ₂ SO ₄ (Yellow) Plastic																																																																																																																																																																																																								
	500 mL HNO ₃ (Red)																																																																																																																																																																																																								
	1 L unpreserved (White) Plastic																																																																																																																																																																																																								
	1 L unpreserved (BOD) (Purple) Plastic																																																																																																																																																																																																								
VOA Vials	1 L HNO ₃ (Red)																																																																																																																																																																																																								
	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)																																																																																																																																																																																																								
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)																																																																																																																																																																																																								
	40mL AG VOA unpreserved (White) (Set of 3)																																																																																																																																																																																																								
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																																								
	40mL VOA, H ₃ PO ₄ (Set of 3)																																																																																																																																																																																																								
	40 mL VOA, HCl (Blue) (Set of 3)																																																																																																																																																																																																								
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										250 mL AG unpreserved (White)										250 mL AG H ₂ SO ₄ (Yellow)										250 mL AG Na ₂ S ₂ O ₃ (Green)										250 mL AG Na ₂ S ₂ O ₃ + MCAA										500 mL glass unpreserved (White)										500 mL AG HCl (Blue)										1 L AG unpreserved (White)										1 L AG H ₂ SO ₄ (Yellow)										1 L AG Na ₂ S ₂ O ₃ (Green)										1 L AG HCl (Blue)										Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										Cyanide - 500 mL NaOH										Asbestos - 1L P wrapped in foil (Set of 2)										Sulfide - 1 L AG or P NaOH + ZnAc										Chlorite/Bromate - 250 mL AG with EDA										HAA5 - 250mL AG Ammonium Chlorite										DO KIT										Other:										Other:									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																																								
	250 mL AG unpreserved (White)																																																																																																																																																																																																								
	250 mL AG H ₂ SO ₄ (Yellow)																																																																																																																																																																																																								
	250 mL AG Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	250 mL AG Na ₂ S ₂ O ₃ + MCAA																																																																																																																																																																																																								
	500 mL glass unpreserved (White)																																																																																																																																																																																																								
	500 mL AG HCl (Blue)																																																																																																																																																																																																								
	1 L AG unpreserved (White)																																																																																																																																																																																																								
	1 L AG H ₂ SO ₄ (Yellow)																																																																																																																																																																																																								
1 L AG Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																									
1 L AG HCl (Blue)																																																																																																																																																																																																									
Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										Cyanide - 500 mL NaOH										Asbestos - 1L P wrapped in foil (Set of 2)										Sulfide - 1 L AG or P NaOH + ZnAc										Chlorite/Bromate - 250 mL AG with EDA										HAA5 - 250mL AG Ammonium Chlorite										DO KIT										Other:										Other:																																																																																																																								
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃																																																																																																																																																																																																								
	Cyanide - 500 mL NaOH																																																																																																																																																																																																								
	Asbestos - 1L P wrapped in foil (Set of 2)																																																																																																																																																																																																								
	Sulfide - 1 L AG or P NaOH + ZnAc																																																																																																																																																																																																								
	Chlorite/Bromate - 250 mL AG with EDA																																																																																																																																																																																																								
	HAA5 - 250mL AG Ammonium Chlorite																																																																																																																																																																																																								
	DO KIT																																																																																																																																																																																																								
Other:																																																																																																																																																																																																									
Other:																																																																																																																																																																																																									

12/06/23 13:23



23L0307



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1484-01	TID Reservoir #12	Ag Water	F & R Ag	Reservoirs	08/15/2023 10:02
23H1484-02	TID Reservoir #97	Ag Water	F & R Ag	Reservoirs	08/15/2023 15:22
23H1484-03	TID Reservoir #103	Ag Water	F & R Ag	Reservoirs	08/15/2023 13:37
23H1484-04	TID Reservoir Thurber/#95	Ag Water	F & R Ag	Reservoirs	08/15/2023 16:04
23H1484-05	TID Reservoir Siebert	Ag Water	F & R Ag	Reservoirs	08/15/2023 11:42

Default Cooler Temperature on Receipt °C: -5.5
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Sample Results

**Sample: TID Reservoir #12
23H1484-01 (Water)**

Sampled: 8/15/2023 10:02

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.05	mmhos/cm	0.01	1		08/16/23 14:20	SM 2510 B		BEH0811
Electrical Conductivity umhos	1050	umhos/cm	10.0	1		08/16/23 14:20	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	4.3	mg/L	0.1	1	10	08/17/23 04:22	EPA 300.0		BEH0805
pH	7.5	units	1.0	1		08/16/23 14:20	SM 4500-H+	H	BEH0811
Total Filterable Solids (TDS)	630	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Temperature	25.0	°C	0.0	1		08/16/23 14:20	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:33	SM 4500-NH3 C		BEH0940
Total Nitrogen	4.62	mg/L	1.00	1		08/21/23 13:33	SM 4500-NH3 C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

**Sample: TID Reservoir #97
23H1484-02 (Water)**

Sampled: 8/15/2023 15:22

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.25	mmhos/cm	0.01	1		08/16/23 14:24	SM 2510 B		BEH0811
Electrical Conductivity umhos	248	umhos/cm	10.0	1		08/16/23 14:24	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	1.2	mg/L	0.1	1	10	08/17/23 04:42	EPA 300.0		BEH0805
pH	8.0	units	1.0	1		08/16/23 14:24	SM 4500-H+		BEH0811
Total Filterable Solids (TDS)	162	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Temperature	25.0	°C	0.0	1		08/16/23 14:24	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:34	SM 4500-NH3 C		BEH0940
Total Nitrogen	1.81	mg/L	1.00	1		08/21/23 13:34	SM 4500-NH3 C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

**Sample: TID Reservoir #103
23H1484-03 (Water)**

Sampled: 8/15/2023 13:37

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.16	mmhos/cm	0.01	1		08/16/23 14:25	SM 2510 B		BEH0811
Electrical Conductivity umhos	1160	umhos/cm	10.0	1		08/16/23 14:25	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	13.8	mg/L	0.1	1	10	08/17/23 05:02	EPA 300.0		BEH0805
pH	7.5	units	1.0	1		08/16/23 14:25	SM 4500-H+	H	BEH0811
Total Filterable Solids (TDS)	730	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Temperature	25.0	°C	0.0	1		08/16/23 14:25	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:35	SM 4500-NH3 C		BEH0940
Total Nitrogen	13.8	mg/L	1.00	1		08/21/23 13:35	SM 4500-NH3 C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Sample Results
(Continued)

**Sample: TID Reservoir Thurber/#95
23H1484-04 (Water)**

Sampled: 8/15/2023 16:04

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.39	mmhos/cm	0.01	1		08/16/23 14:27	SM 2510 B		BEH0811
Electrical Conductivity umhos	388	umhos/cm	10.0	1		08/16/23 14:27	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	3.9	mg/L	0.1	1	10	08/17/23 05:22	EPA 300.0		BEH0805
pH	8.1	units	1.0	1		08/16/23 14:27	SM 4500-H+		BEH0811
Total Filterable Solids (TDS)	290	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Temperature	25.0	°C	0.0	1		08/16/23 14:27	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:37	SM 4500-NH3 C		BEH0940
Total Nitrogen	3.87	mg/L	1.00	1		08/21/23 13:37	SM 4500-NH3 C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

**Sample: TID Reservoir Siebert
23H1484-05 (Water)**

Sampled: 8/15/2023 11:42

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.08	mmhos/cm	0.01	1		08/16/23 14:35	SM 2510 B		BEH0811
Electrical Conductivity umhos	1080	umhos/cm	10.0	1		08/16/23 14:35	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	13.3	mg/L	0.1	1	10	08/17/23 05:41	EPA 300.0		BEH0805
pH	7.4	units	1.0	1		08/16/23 14:35	SM 4500-H+	H	BEH0811
Total Filterable Solids (TDS)	700	mg/L	10.0	1		08/21/23 16:04	SM 2540 C		BEH0876
Temperature	25.0	°C	0.0	1		08/16/23 14:35	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:38	SM 4500-NH3 C		BEH0940
Total Nitrogen	13.3	mg/L	1.00	1		08/21/23 13:38	SM 4500-NH3 C		BEH0940

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0805									
Blank (BEH0805-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/16/2023				
Blank (BEH0805-BLK2)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEH0805-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0805-BLK4)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
LCS (BEH0805-BS1)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	97.4	90-110			
LCS (BEH0805-BS2)					Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	96.8	90-110			
LCS (BEH0805-BS3)					Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	97.6	90-110			
Duplicate (BEH0805-DUP1)		Source: 23H1487-05			Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	0.7	0.1	mg/L	0.7			0.953	10	
Duplicate (BEH0805-DUP2)		Source: 23H1489-01			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	14.9	0.1	mg/L	14.8			0.679	10	
Duplicate (BEH0805-DUP3)		Source: 23H1484-02			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	1.2	0.1	mg/L	1.2			0.343	10	
Matrix Spike (BEH0805-MS1)		Source: 23H1487-05			Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	5.7	0.1	mg/L	5.000	0.7	98.9	90-110		
Matrix Spike (BEH0805-MS2)		Source: 23H1489-01			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	19.9	0.1	mg/L	5.000	14.8	102	90-110		
Matrix Spike (BEH0805-MS3)		Source: 23H1484-02			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	6.1	0.1	mg/L	5.000	1.2	99.2	90-110		
Reference (BEH0805-SRM1)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00	97.3	90-110			
Reference (BEH0805-SRM2)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00	97.9	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEH0805 (Continued)

Reference (BEH0805-SRM3)					Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO ₃ N	9.8		mg/L	10.00		98.1	90-110		
<hr/>									
Reference (BEH0805-SRM4)					Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO ₃ N	9.9		mg/L	10.00		98.5	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0811									
Blank (BEH0811-BLK1)									
Prepared & Analyzed: 8/16/2023									
pH	4.7	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEH0811-BLK2)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.4	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEH0811-BLK3)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.4	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0811-DUP1)									
Source: 23H1469-02 Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	1.24	0.01	mmhos/cm		1.24		0.370	10	
pH	7.7	1.0	units		7.6		1.18	10	
Electrical Conductivity umhos	1240	10.0	umhos/cm		1240		0.370	10	
Duplicate (BEH0811-DUP2)									
Source: 23H1493-06 Prepared & Analyzed: 8/16/2023									
pH	7.8	1.0	units		7.8		0.128	10	
Electrical Conductivity	0.02	0.01	mmhos/cm		0.02		2.58	10	
Electrical Conductivity umhos	23.0	10.0	umhos/cm		23.6		2.58	10	
Reference (BEH0811-SRM1)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	505		umhos/cm		538.0	93.8	90-110		
Reference (BEH0811-SRM2)									
Prepared & Analyzed: 8/16/2023									
pH	5.8		units		5.820	101	28178-101.7		
Reference (BEH0811-SRM3)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	945		umhos/cm		1000	94.5	90-110		
Electrical Conductivity umhos	945		umhos/cm		1000	94.5	90-110		
Reference (BEH0811-SRM4)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	941		umhos/cm		1000	94.1	90-110		
Electrical Conductivity umhos	941		umhos/cm		1000	94.1	90-110		
Reference (BEH0811-SRM5)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	949		umhos/cm		1000	94.9	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0811 (Continued)									
Reference (BEH0811-SRM5)									
Electrical Conductivity umhos	949		umhos/cm	1000	94.9	94.9	90-110		
Reference (BEH0811-SRM6)									
pH	4.0		units	4.000	101	101	97.5-102.5		
Reference (BEH0811-SRM7)									
pH	4.0		units	4.000	101	101	97.5-102.5		
Reference (BEH0811-SRM8)									
pH	4.0		units	4.000	101	101	97.5-102.5		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0876									
Blank (BEH0876-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023				
LCS (BEH0876-BS1)									
Total Filterable Solids (TDS)	30.0	10.0	mg/L	2000	Prepared: 8/17/2023 Analyzed: 8/21/2023	1.50	0-200		
Duplicate (BEH0876-DUP1)									
Total Filterable Solids (TDS)	950	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023	880		7.65	10
Duplicate (BEH0876-DUP2)									
Total Filterable Solids (TDS)	620	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023	610		1.63	10
Reference (BEH0876-SRM1)									
Total Filterable Solids (TDS)	327		mg/L	325.0	Prepared: 8/17/2023 Analyzed: 8/21/2023	101	90-110		
Reference (BEH0876-SRM2)									
Total Filterable Solids (TDS)	480		mg/L	495.0	Prepared: 8/17/2023 Analyzed: 8/21/2023	97.0	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Test

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:18

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0940									
Blank (BEH0940-BLK1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
Blank (BEH0940-BLK2)									
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
LCS (BEH0940-BS1)									
Kjeldahl Nitrogen (TKN), Total	5.84	1.00	mg/L	5.709		102	90-110		
LCS (BEH0940-BS2)									
Kjeldahl Nitrogen (TKN), Total	6.17	1.00	mg/L	5.709		108	90-110		
Duplicate (BEH0940-DUP1)									
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		ND				10
Duplicate (BEH0940-DUP2)									
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		ND				10
Matrix Spike (BEH0940-MS1)									
Kjeldahl Nitrogen (TKN), Total	8.96	1.40	mg/L	7.992	ND	112	90-110		
Matrix Spike (BEH0940-MS2)									
Kjeldahl Nitrogen (TKN), Total	7.96	1.40	mg/L	7.992	ND	99.6	90-110		
Reference (BEH0940-SRM1)									
Kjeldahl Nitrogen (TKN), Total	24.0		mg/L	23.80		101	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



08/16/23 09:52

21H1484

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Purchase Order No

Bill To:

TULI

08

Acct #

Cons #

Results Need By

Name: Tri l est Dairy

Address: 16500 Avenue 14

City: Madera State: CA Zip: 93637

Telephone: Fax:

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

REQUESTED BY: Danny l est

PROJECT:

CROP: RESERVOIRS

[X] Copy of Chain [X] QA/QC Documents

Sampled By:

F&R AG

No. Samples: 5 No of Bottles:

Water Type: Drinking Water Wastewater
 Ag Water Groundwater Monitoring Well

Other:

Analysis and Bottles Required: (Please indicate Analysis)() DWW1: EC, NO₃-N NH4-N Field Test

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DWW2: DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DCW1: EC, NO₃-N, TKN, TN, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW1: EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW2: DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl

(1-1 Liter Plastic, Unpreserved) White Per Sample

() Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH ₄ -N
1	TID RESERVOIR #12	8/15/23	1002	-55	
2	TID RESERVOIR #97		1522	-11.9	
3	TID RESERVOIR #103		1337	-9.2	
4	TID RESERVOIR THURBER #95		1604	-8.1	
5	TID RESERVOIR SIEBERT		1142	-9.5	
6					
7					
8					
9					
10					

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/15/23 1604	8/16/23
Second				
Third				
Fourth	50	DLZ	8/16/23 9:52	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged.

Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Inventory Information:		Shipping	
Sampling hrs	\$	In	
Miles	\$	Out	
Consulting			
Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)

[] Yes [] No



08/16/23 09:52

23H1484

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO₃ or H₂SO₄ were:					<input type="checkbox"/> Received Preserved					
<input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic	1	1	1						
	* pH Value	C2	C2	C2	C2	C2				
	500 mL unpreserved (White) Plastic	1	1	1	1	1				
1 L unpreserved (White) Plastic										
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
Special	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
Chlorite/Bromate - 250 mL AG with EDA										
HAA5 - 250mL AG Ammonium Chlorite										
DO KIT										
Other:										
Other:										



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1497-01	Mid Canal	Ag Water	F & R Ag	Canal/Surface Water	08/15/2023 11:21
23H1497-02	Fresno River Water	Ag Water	F & R Ag	Canal/Surface Water	08/15/2023 15:34
23H1497-03	FID Canal	Ag Water	F & R Ag	Canal/Surface Water	08/15/2023 17:15
23H1497-04	CWD Canal	Ag Water	F & R Ag	Canal/Surface Water	08/15/2023 16:32

Default Cooler Temperature on Receipt °C: 2.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Sample Results

Sample: Mid Canal
23H1497-01 (Water)

Sampled: 8/15/2023 11:21
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/16/23 14:47	SM 2510 B		BEH0811
Electrical Conductivity umhos	23.4	umhos/cm	10.0	1		08/16/23 14:47	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/17/23 01:57	EPA 300.0		BEH0798
pH	7.6	units	1.0	1		08/16/23 14:47	SM 4500-H+	H	BEH0811
Total Filterable Solids (TDS)	19.5	mg/L	10.0	1		08/22/23 16:57	SM 2540 C		BEH0878
Temperature	25.0	°C	0.0	1		08/16/23 14:47	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:56	SM 4500-NH3 C		BEH0988
Total Nitrogen	ND	mg/L	1.00	1		08/22/23 13:56	SM 4500-NH3 C		BEH0988

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

**Sample: Fresno River Water
23H1497-02 (Water)**

Sampled: 8/15/2023 15:34

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.11	mmhos/cm	0.01	1		08/16/23 14:48	SM 2510 B		BEH0811
Electrical Conductivity umhos	107	umhos/cm	10.0	1		08/16/23 14:48	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	0.1	mg/L	0.1	1	10	08/17/23 02:17	EPA 300.0		BEH0798
pH	8.9	units	1.0	1		08/16/23 14:48	SM 4500-H+		BEH0811
Total Filterable Solids (TDS)	74.0	mg/L	10.0	1		08/22/23 16:57	SM 2540 C		BEH0878
Temperature	25.0	°C	0.0	1		08/16/23 14:48	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:58	SM 4500-NH3 C		BEH0988
Total Nitrogen	ND	mg/L	1.00	1		08/22/23 13:58	SM 4500-NH3 C		BEH0988

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Sample: FID Canal
23H1497-03 (Water)

Sampled: 8/15/2023 17:15

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/18/23 17:05	SM 2510 B		BEH0918
Electrical Conductivity umhos	22.5	umhos/cm	10.0	1		08/18/23 17:05	SM 2510 B		BEH0918
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/17/23 02:37	EPA 300.0		BEH0798
pH	8.1	units	1.0	1		08/21/23 16:04	SM 4500-H+	H	BEH0950
Total Filterable Solids (TDS)	23.0	mg/L	10.0	1		08/22/23 16:57	SM 2540 C		BEH0878
Temperature	25.0	°C	0.0	1		08/18/23 17:05	SM 2510 B		BEH0918
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 13:59	SM 4500-NH3 C		BEH0988
Total Nitrogen	ND	mg/L	1.00	1		08/22/23 13:59	SM 4500-NH3 C		BEH0988

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Sample: CWD Canal
23H1497-04 (Water)

Sampled: 8/15/2023 16:32

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/18/23 17:07	SM 2510 B		BEH0918
Electrical Conductivity umhos	20.7	umhos/cm	10.0	1		08/18/23 17:07	SM 2510 B		BEH0918
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/17/23 02:57	EPA 300.0		BEH0798
pH	7.9	units	1.0	1		08/21/23 16:05	SM 4500-H+	H	BEH0950
Total Filterable Solids (TDS)	22.5	mg/L	10.0	1		08/22/23 16:57	SM 2540 C		BEH0878
Temperature	25.0	°C	0.0	1		08/18/23 17:07	SM 2510 B		BEH0918
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/22/23 14:00	SM 4500-NH3 C		BEH0988
Total Nitrogen	ND	mg/L	1.00	1		08/22/23 14:00	SM 4500-NH3 C		BEH0988

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0798									
Blank (BEH0798-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/16/2023				
Blank (BEH0798-BLK2)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEH0798-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0798-BLK4)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
LCS (BEH0798-BS1)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L		5.000	102	90-110		
LCS (BEH0798-BS2)					Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L		5.000	102	90-110		
LCS (BEH0798-BS3)					Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L		5.000	103	90-110		
Duplicate (BEH0798-DUP1)		Source: 23H1451-01			Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	1.1	0.1	mg/L		1.1			0.524	10
Duplicate (BEH0798-DUP2)		Source: 23H1466-03			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	7.3	0.1	mg/L		7.3			0.807	10
Duplicate (BEH0798-DUP3)		Source: 23H1479-01			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L		0.2			0.813	10
Matrix Spike (BEH0798-MS1)		Source: 23H1451-01			Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	6.2	0.1	mg/L		5.000	1.1	101	90-110	
Matrix Spike (BEH0798-MS2)		Source: 23H1466-03			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	12.3	0.1	mg/L		5.000	7.3	99.6	90-110	
Matrix Spike (BEH0798-MS3)		Source: 23H1479-01			Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L		5.000	0.2	98.7	90-110	
Reference (BEH0798-SRM1)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	10.2		mg/L		10.00	102	90-110		
Reference (BEH0798-SRM2)					Prepared & Analyzed: 8/16/2023				
Nitrate Nitrogen as NO3N	10.1		mg/L		10.00	101	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEH0798 (Continued)

Reference (BEH0798-SRM3) Nitrate Nitrogen as NO ₃ N	10.2		mg/L		Prepared & Analyzed: 8/17/2023				
Reference (BEH0798-SRM4) Nitrate Nitrogen as NO ₃ N	10.2		mg/L		Prepared & Analyzed: 8/17/2023				

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0811									
Blank (BEH0811-BLK1)									
Prepared & Analyzed: 8/16/2023									
pH	4.7	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0811-BLK2)									
Prepared & Analyzed: 8/16/2023									
pH	7.4	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEH0811-BLK3)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.4	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Duplicate (BEH0811-DUP1)									
Source: 23H1469-02 Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	1.24	0.01	mmhos/cm		1.24			0.370	10
pH	7.7	1.0	units		7.6			1.18	10
Electrical Conductivity umhos	1240	10.0	umhos/cm		1240			0.370	10
Duplicate (BEH0811-DUP2)									
Source: 23H1493-06 Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	0.02	0.01	mmhos/cm		0.02			2.58	10
pH	7.8	1.0	units		7.8			0.128	10
Electrical Conductivity umhos	23.0	10.0	umhos/cm		23.6			2.58	10
Reference (BEH0811-SRM1)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	505		umhos/cm		538.0	93.8	90-110		
Reference (BEH0811-SRM2)									
Prepared & Analyzed: 8/16/2023									
pH	5.8		units		5.820	101	28178-101.7		
Reference (BEH0811-SRM3)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	945		umhos/cm		1000	94.5	90-110		
Electrical Conductivity umhos	945		umhos/cm		1000	94.5	90-110		
Reference (BEH0811-SRM4)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	941		umhos/cm		1000	94.1	90-110		
Electrical Conductivity umhos	941		umhos/cm		1000	94.1	90-110		
Reference (BEH0811-SRM5)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	949		umhos/cm		1000	94.9	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEH0811 (Continued)

Reference (BEH0811-SRM5)

Electrical Conductivity umhos	949	umhos/cm	1000	94.9	90-110
-------------------------------	-----	----------	------	------	--------

Reference (BEH0811-SRM6)

pH	4.0	units	4.000	101	97.5-102.5
----	-----	-------	-------	-----	------------

Reference (BEH0811-SRM7)

pH	4.0	units	4.000	101	97.5-102.5
----	-----	-------	-------	-----	------------

Reference (BEH0811-SRM8)

pH	4.0	units	4.000	101	97.5-102.5
----	-----	-------	-------	-----	------------

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0878									
Blank (BEH0878-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/22/2023				
LCS (BEH0878-BS1)									
Total Filterable Solids (TDS)	15.0	10.0	mg/L	2000	Prepared: 8/17/2023 Analyzed: 8/22/2023	0.750	0-200		
Duplicate (BEH0878-DUP1)									
Total Filterable Solids (TDS)	720	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/22/2023	740		2.74	10
Duplicate (BEH0878-DUP2)									
Total Filterable Solids (TDS)	295	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/22/2023	295		0.00	10
Reference (BEH0878-SRM1)									
Total Filterable Solids (TDS)	323		mg/L	325.0	Prepared: 8/17/2023 Analyzed: 8/22/2023	99.5	90-110		
Reference (BEH0878-SRM2)									
Total Filterable Solids (TDS)	487		mg/L	495.0	Prepared: 8/17/2023 Analyzed: 8/22/2023	98.3	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0918									
Blank (BEH0918-BLK1)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0918-BLK2)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0918-BLK3)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0918-DUP1)									
Source: 23H1497-03									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	0.02	0.01	mmhos/cm		0.02		9.30	10	
Electrical Conductivity umhos	20.5	10.0	umhos/cm		22.5		9.30	10	
Duplicate (BEH0918-DUP2)									
Source: 23H1590-01									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	0.02	0.01	mmhos/cm		0.02		0.00	10	
Electrical Conductivity umhos	18.8	10.0	umhos/cm		18.8		0.00	10	
Reference (BEH0918-SRM1)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	511		umhos/cm	538.0		94.9	90-110		
Reference (BEH0918-SRM3)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	956		umhos/cm	1000		95.6	90-110		
Electrical Conductivity umhos	956		umhos/cm	1000		95.6	90-110		
Reference (BEH0918-SRM4)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	956		umhos/cm	1000		95.6	90-110		
Electrical Conductivity umhos	956		umhos/cm	1000		95.6	90-110		
Reference (BEH0918-SRM5)									
Prepared: 8/17/2023 Analyzed: 8/18/2023									
Electrical Conductivity	971		umhos/cm	1000		97.1	90-110		
Electrical Conductivity umhos	971		umhos/cm	1000		97.1	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Iest Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0950									
Blank (BEH0950-BLK1)									
pH	5.3	1.0	units		Prepared: 8/18/2023 Analyzed: 8/21/2023				
Blank (BEH0950-BLK2)									
pH	7.6	1.0	units		Prepared: 8/18/2023 Analyzed: 8/21/2023				
Blank (BEH0950-BLK3)									
pH	7.4	1.0	units		Prepared: 8/18/2023 Analyzed: 8/21/2023				
Duplicate (BEH0950-DUP1)									
pH	7.6	1.0	units	7.6	Prepared: 8/18/2023 Analyzed: 8/21/2023			0.393	10
Duplicate (BEH0950-DUP2)									
pH	7.6	1.0	units	7.6	Prepared: 8/18/2023 Analyzed: 8/21/2023			0.393	10
Reference (BEH0950-SRM2)									
pH	5.8		units	5.820	Prepared: 8/18/2023 Analyzed: 8/21/2023	99.8	28178-101.7:		
Reference (BEH0950-SRM6)									
pH	4.0		units	4.000	Prepared: 8/18/2023 Analyzed: 8/21/2023	100	97.5-102.5		
Reference (BEH0950-SRM7)									
pH	4.0		units	4.000	Prepared: 8/18/2023 Analyzed: 8/21/2023	100	97.5-102.5		
Reference (BEH0950-SRM8)									
pH	4.0		units	4.000	Prepared: 8/18/2023 Analyzed: 8/21/2023	100	97.5-102.5		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Test Family Farms
14576 Ave 14
Madera, CA 93637

Account# 00-0015874
Account Manager: Ben Nydam
Submitted By: Richard Iest

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:57

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0988									
Blank (BEH0988-BLK1)								Prepared: 8/21/2023 Analyzed: 8/22/2023	
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
Blank (BEH0988-BLK2)								Prepared: 8/21/2023 Analyzed: 8/22/2023	
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
Blank (BEH0988-BLK3)								Prepared: 8/21/2023 Analyzed: 8/22/2023	
Kjeldahl Nitrogen (TKN), Total	ND	1.00	mg/L						
Total Nitrogen	ND	1.00	mg/L						
LCS (BEH0988-BS1)								Prepared: 8/21/2023 Analyzed: 8/22/2023	
Kjeldahl Nitrogen (TKN), Total	5.31	1.00	mg/L	5.709		93.0	90-110		
LCS (BEH0988-BS2)								Prepared: 8/21/2023 Analyzed: 8/22/2023	
Kjeldahl Nitrogen (TKN), Total	5.40	1.00	mg/L	5.709		94.6	90-110		
Duplicate (BEH0988-DUP1)				Source: 23H1497-03	Prepared: 8/21/2023 Analyzed: 8/22/2023				
Kjeldahl Nitrogen (TKN), Total	ND	1.40	mg/L		ND				10
Duplicate (BEH0988-DUP2)				Source: 23H1633-02	Prepared: 8/21/2023 Analyzed: 8/22/2023				
Kjeldahl Nitrogen (TKN), Total	328	7.00	mg/L	320		2.35	10		
Matrix Spike (BEH0988-MS1)				Source: 23H1497-03	Prepared: 8/21/2023 Analyzed: 8/22/2023				
Kjeldahl Nitrogen (TKN), Total	8.48	1.40	mg/L	7.992	ND	106	90-110		
Matrix Spike (BEH0988-MS2)				Source: 23H1633-02	Prepared: 8/21/2023 Analyzed: 8/22/2023				
Kjeldahl Nitrogen (TKN), Total	342	7.00	mg/L	19.98	320	108	90-110		
Reference (BEH0988-SRM1)								Prepared: 8/21/2023 Analyzed: 8/22/2023	
Kjeldahl Nitrogen (TKN), Total	24.3		mg/L	23.80		102	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



08/16/23 09:52

23H1497

15874

08

Purchase Order No

Bill To:

Acct #

Cons #

Results Need By

Name: Iest Family Farms

Address: 14576 Avenue 14

City: Madera State: CA Zip: 93637

Telephone: Fax:

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

REQUESTED BY: Richard Iest

PROJECT:

CROP: CANAL / SURFACE WATER

[X] Copy of Chain [X] QA/QC Documents

Sampled By:

F&R AG

Description of Samples

- 1 MID CANAL
 2 FRESNO RIVER WATER
 3 FID CANAL
 4 CWD CANAL
 5
 6
 7
 8
 9
 10

Date Sampled	Time Sampled	Rec'd Temp °C	Field NH ₄ -N
8/15/23	1121	-2.3	
?	1534	-8.9	
	1715	-8.1	
	1632	-9.5	

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/15/23 1715	8/16/23
Second				
Third				
Fourth	SD	DLE	8/16/23 9:57	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged.

Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Inventory Information:		Shipping	
Sampling hrs		\$	In
Miles		\$	Out
Consulting			
Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)

[] Yes [] No

IR Thermometer SN: 200560723
 Correction Factor: 0°C
 Calibration Due: 9/26/2023
 Location: Laboratory



08/16/23 09:52

23H1497

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>																																																																																																																																																																																																									
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest																																																																																																																																																																																																				
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>																																																																																																																																																																																																				
Samples Preserved with HNO₃ or H₂SO₄ were:					<input type="checkbox"/> Received Preserved																																																																																																																																																																																																				
<input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory																																																																																																																																																																																																									
Type of Container(s) Received		Sample Number																																																																																																																																																																																																							
		1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																														
Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>																																																																																																																																																																																																									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	250 mL unpreserved (White) Plastic																																																																																																																																																																																																								
	250 mL HNO ₃ (Red) Plastic																																																																																																																																																																																																								
	* pH Value																																																																																																																																																																																																								
	250 mL H ₂ SO ₄ (Yellow) Plastic	✓	✓	✓	✓																																																																																																																																																																																																				
	* pH Value	✓	✓	✓	✓																																																																																																																																																																																																				
	500 mL unpreserved (White) Plastic																																																																																																																																																																																																								
1 L unpreserved (White) Plastic	✓	✓	✓	✓																																																																																																																																																																																																					
1 L unpreserved (BOD) (Purple) Plastic																																																																																																																																																																																																									
Special	500mL unpreserved (White) Glass																																																																																																																																																																																																								
	PO4-P Kit																																																																																																																																																																																																								
	Other:																																																																																																																																																																																																								
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>																																																																																																																																																																																																									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	250 mL unpreserved (White) Plastic																																																																																																																																																																																																								
	250 mL HNO ₃ (Red) Plastic																																																																																																																																																																																																								
	250 mL H ₂ SO ₄ (Yellow) Plastic																																																																																																																																																																																																								
	500 mL HNO ₃ (Red)																																																																																																																																																																																																								
	1 L unpreserved (White) Plastic																																																																																																																																																																																																								
	1 L unpreserved (BOD) (Purple) Plastic																																																																																																																																																																																																								
VOA Vials	1 L HNO ₃ (Red)																																																																																																																																																																																																								
	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)																																																																																																																																																																																																								
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)																																																																																																																																																																																																								
	40mL AG VOA unpreserved (White) (Set of 3)																																																																																																																																																																																																								
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																																								
	40mL VOA, H ₃ PO ₄ (Set of 3)																																																																																																																																																																																																								
	40 mL VOA, HCl (Blue) (Set of 3)																																																																																																																																																																																																								
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										250 mL AG unpreserved (White)										250 mL AG H ₂ SO ₄ (Yellow)										250 mL AG Na ₂ S ₂ O ₃ (Green)										250 mL AG Na ₂ S ₂ O ₃ + MCAA										500 mL glass unpreserved (White)										500 mL AG HCl (Blue)										Special	1 L AG unpreserved (White)										1 L AG H ₂ SO ₄ (Yellow)										1 L AG Na ₂ S ₂ O ₃ (Green)										1 L AG HCl (Blue)										Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										Cyanide - 500 mL NaOH										Asbestos - 1L P wrapped in foil (Set of 2)										Sulfide - 1 L AG or P NaOH + ZnAc										Chlorite/Bromate - 250 mL AG with EDA										HAA5 - 250mL AG Ammonium Chlorite										DO KIT										Other:										Other:									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																																								
	250 mL AG unpreserved (White)																																																																																																																																																																																																								
	250 mL AG H ₂ SO ₄ (Yellow)																																																																																																																																																																																																								
	250 mL AG Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	250 mL AG Na ₂ S ₂ O ₃ + MCAA																																																																																																																																																																																																								
	500 mL glass unpreserved (White)																																																																																																																																																																																																								
500 mL AG HCl (Blue)																																																																																																																																																																																																									
Special	1 L AG unpreserved (White)										1 L AG H ₂ SO ₄ (Yellow)										1 L AG Na ₂ S ₂ O ₃ (Green)										1 L AG HCl (Blue)										Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										Cyanide - 500 mL NaOH										Asbestos - 1L P wrapped in foil (Set of 2)										Sulfide - 1 L AG or P NaOH + ZnAc										Chlorite/Bromate - 250 mL AG with EDA										HAA5 - 250mL AG Ammonium Chlorite										DO KIT										Other:										Other:																																																																																
	1 L AG unpreserved (White)																																																																																																																																																																																																								
	1 L AG H ₂ SO ₄ (Yellow)																																																																																																																																																																																																								
	1 L AG Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																								
	1 L AG HCl (Blue)																																																																																																																																																																																																								
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃																																																																																																																																																																																																								
	Cyanide - 500 mL NaOH																																																																																																																																																																																																								
Asbestos - 1L P wrapped in foil (Set of 2)																																																																																																																																																																																																									
Sulfide - 1 L AG or P NaOH + ZnAc																																																																																																																																																																																																									
Chlorite/Bromate - 250 mL AG with EDA																																																																																																																																																																																																									
HAA5 - 250mL AG Ammonium Chlorite																																																																																																																																																																																																									
DO KIT																																																																																																																																																																																																									
Other:																																																																																																																																																																																																									
Other:																																																																																																																																																																																																									



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1489-01	TID Dom Thurber Ranch Barn	Drinking Water	F & R Ag	Domestic Wells	08/15/2023 16:08
23H1489-02	TID Dom Almond House	Drinking Water	F & R Ag	Domestic Wells	08/15/2023 16:11
23H1489-03	TID Dom #63	Drinking Water	F & R Ag	Domestic Wells	08/15/2023 13:18
23H1489-04	TID Dom #71	Drinking Water	F & R Ag	Domestic Wells	08/15/2023 13:41
23H1489-05	TID Dom #72	Drinking Water	F & R Ag	Domestic Wells	08/15/2023 13:45
23H1489-06	TID Dom #73	Drinking Water	F & R Ag	Domestic Wells	08/15/2023 13:48

Default Cooler Temperature on Receipt °C: -9.6
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Sample Results

**Sample: TID Dom Thurber Ranch Barn
23H1489-01 (Water)**

Sampled: 8/15/2023 16:08
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	318	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	83.3	mg/L	0.1	1		08/18/23 10:29	EPA 200.7		BEH0824
Chloride	40.9	mg/L	0.2	1	250	08/16/23 23:25	EPA 300.0		BEH0805
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	0.83	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	831	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO ₃	318	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	6.14	mg/L	0.500	1		08/18/23 10:29	EPA 200.7		BEH0824
Magnesium	21.6	mg/L	0.1	1		08/18/23 10:29	EPA 200.7		BEH0824
Sodium	66	mg/L	1	1		08/18/23 10:29	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 16:08	Field		BEH1422
Nitrate Nitrogen as NO ₃ N	14.8	mg/L	0.1	1	10	08/16/23 23:25	EPA 300.0		BEH0805
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	7.9	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO ₄)	25.5	mg/L	0.5	1	250	08/16/23 23:25	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	660	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

**Sample: TID Dom Almond House
23H1489-02 (Water)**

Sampled: 8/15/2023 16:11

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	317	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	83.0	mg/L	0.1	1		08/18/23 10:30	EPA 200.7		BEH0824
Chloride	40.7	mg/L	0.2	1	250	08/16/23 23:45	EPA 300.0		BEH0805
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	0.82	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	822	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO ₃	317	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	6.24	mg/L	0.500	1		08/18/23 10:30	EPA 200.7		BEH0824
Magnesium	21.6	mg/L	0.1	1		08/18/23 10:30	EPA 200.7		BEH0824
Sodium	66	mg/L	1	1		08/18/23 10:30	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 16:11	Field		BEH1422
Nitrate Nitrogen as NO ₃ N	14.8	mg/L	0.1	1	10	08/16/23 23:45	EPA 300.0		BEH0805
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	8.0	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO ₄)	25.7	mg/L	0.5	1	250	08/16/23 23:45	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	640	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

**Sample: TID Dom #63
23H1489-03 (Water)**

Sampled: 8/15/2023 13:18

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	527	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	156	mg/L	0.1	1		08/18/23 10:31	EPA 200.7		BEH0824
Chloride	95.2	mg/L	0.2	1	250	08/17/23 00:04	EPA 300.0		BEH0805
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	1.48	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	1480	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO ₃	527	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	7.62	mg/L	0.500	1		08/18/23 10:31	EPA 200.7		BEH0824
Magnesium	51.7	mg/L	0.1	1		08/18/23 10:31	EPA 200.7		BEH0824
Sodium	98	mg/L	1	1		08/18/23 10:31	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:18	Field		BEH1422
Nitrate Nitrogen as NO ₃ N	29.4	mg/L	0.1	1	10	08/17/23 00:04	EPA 300.0		BEH0805
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	7.5	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO ₄)	68.8	mg/L	0.5	1	250	08/17/23 00:04	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	1080	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

**Sample: TID Dom #71
23H1489-04 (Water)**

Sampled: 8/15/2023 13:41

Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	451	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	141	mg/L	0.1	1		08/18/23 10:33	EPA 200.7		BEH0824
Chloride	106	mg/L	0.2	1	250	08/17/23 00:24	EPA 300.0		BEH0805
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	1.37	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	1370	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO ₃	451	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	6.18	mg/L	0.500	1		08/18/23 10:33	EPA 200.7		BEH0824
Magnesium	45.5	mg/L	0.1	1		08/18/23 10:33	EPA 200.7		BEH0824
Sodium	86	mg/L	1	1		08/18/23 10:33	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:41	Field		BEH1422
Nitrate Nitrogen as NO ₃ N	31.3	mg/L	0.1	1	10	08/17/23 00:24	EPA 300.0		BEH0805
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	7.4	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO ₄)	40.7	mg/L	0.5	1	250	08/17/23 00:24	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	970	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

**Sample: TID Dom #72
23H1489-05 (Water)**

Sampled: 8/15/2023 13:45

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	340	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	109	mg/L	0.1	1		08/18/23 10:34	EPA 200.7		BEH0824
Chloride	92.8	mg/L	0.2	1	250	08/17/23 00:44	EPA 300.0		BEH0805
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	1.09	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	1090	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO ₃	340	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	5.17	mg/L	0.500	1		08/18/23 10:34	EPA 200.7		BEH0824
Magnesium	35.6	mg/L	0.1	1		08/18/23 10:34	EPA 200.7		BEH0824
Sodium	73	mg/L	1	1		08/18/23 10:34	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:45	Field		BEH1422
Nitrate Nitrogen as NO ₃ N	21.4	mg/L	0.1	1	10	08/17/23 00:44	EPA 300.0		BEH0805
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	7.5	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO ₄)	27.4	mg/L	0.5	1	250	08/17/23 00:44	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	740	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

**Sample: TID Dom #73
23H1489-06 (Water)**

Sampled: 8/15/2023 13:48

Sampled By: F & R Ag

Sample Results
(Continued)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	260	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	78.7	mg/L	0.1	1		08/18/23 10:40	EPA 200.7		BEH0824
Chloride	70.8	mg/L	0.2	1	250	08/17/23 01:04	EPA 300.0		BEH0805
Carbonate as CaCO ₃	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	0.82	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	824	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO ₃	260	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	4.18	mg/L	0.500	1		08/18/23 10:40	EPA 200.7		BEH0824
Magnesium	25.5	mg/L	0.1	1		08/18/23 10:40	EPA 200.7		BEH0824
Sodium	56	mg/L	1	1		08/18/23 10:40	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 13:48	Field		BEH1422
Nitrate Nitrogen as NO ₃ N	14.6	mg/L	0.1	1	10	08/17/23 01:04	EPA 300.0		BEH0805
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	7.7	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO ₄)	19.4	mg/L	0.5	1	250	08/17/23 01:04	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	620	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0805									
Blank (BEH0805-BLK1)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0805-BLK2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0805-BLK3)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
Blank (BEH0805-BLK4)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N ND 0.1 mg/L									
Sulfate (SO ₄) ND 0.5 mg/L									
LCS (BEH0805-BS1)									
Chloride 4.7 0.2 mg/L Prepared & Analyzed: 8/16/2023									
Nitrate Nitrogen as NO ₃ N 4.9 0.1 mg/L									
Sulfate (SO ₄) 4.5 0.5 mg/L									
94.4 90-110									
LCS (BEH0805-BS2)									
Chloride 4.7 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N 4.8 0.1 mg/L									
Sulfate (SO ₄) 4.5 0.5 mg/L									
93.8 90-110									
LCS (BEH0805-BS3)									
Chloride 4.7 0.2 mg/L Prepared & Analyzed: 8/17/2023									
Nitrate Nitrogen as NO ₃ N 4.9 0.1 mg/L									
Sulfate (SO ₄) 4.5 0.5 mg/L									
94.5 90-110									
Duplicate (BEH0805-DUP1)									
Source: 23H1487-05 Prepared & Analyzed: 8/16/2023									
Chloride 32.2 0.2 mg/L									
32.0 0.767 10									
Nitrate Nitrogen as NO ₃ N 0.7 0.1 mg/L									
0.7 0.953 10									
Sulfate (SO ₄) 4.1 0.5 mg/L									
4.1 0.993 10									
Duplicate (BEH0805-DUP2)									
Source: 23H1489-01 Prepared & Analyzed: 8/17/2023									
Chloride 41.2 0.2 mg/L									
40.9 0.611 10									
Nitrate Nitrogen as NO ₃ N 14.9 0.1 mg/L									
14.8 0.679 10									
Sulfate (SO ₄) 25.9 0.5 mg/L									
25.5 1.24 10									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0805 (Continued)									
Duplicate (BEH0805-DUP3)									
Source: 23H1484-02									
Prepared & Analyzed: 8/17/2023									
Chloride	12.7	0.2	mg/L		12.7			0.253	10
Nitrate Nitrogen as NO ₃ N	1.2	0.1	mg/L		1.2			0.343	10
Sulfate (SO ₄)	6.2	0.5	mg/L		6.2			0.597	10
Matrix Spike (BEH0805-MS1)									
Source: 23H1487-05									
Prepared & Analyzed: 8/16/2023									
Chloride	37.0	0.2	mg/L	5.000	32.0	99.9	90-110		
Nitrate Nitrogen as NO ₃ N	5.7	0.1	mg/L	5.000	0.7	98.9	90-110		
Sulfate (SO ₄)	8.9	0.5	mg/L	5.000	4.1	95.1	90-110		
Matrix Spike (BEH0805-MS2)									
Source: 23H1489-01									
Prepared & Analyzed: 8/17/2023									
Chloride	45.8	0.2	mg/L	5.000	40.9	96.4	90-110		
Nitrate Nitrogen as NO ₃ N	19.9	0.1	mg/L	5.000	14.8	102	90-110		
Sulfate (SO ₄)	30.5	0.5	mg/L	5.000	25.5	99.0	90-110		
Matrix Spike (BEH0805-MS3)									
Source: 23H1484-02									
Prepared & Analyzed: 8/17/2023									
Chloride	17.5	0.2	mg/L	5.000	12.7	96.5	90-110		
Nitrate Nitrogen as NO ₃ N	6.1	0.1	mg/L	5.000	1.2	99.2	90-110		
Sulfate (SO ₄)	11.0	0.5	mg/L	5.000	6.2	96.9	90-110		
Reference (BEH0805-SRM1)									
Prepared & Analyzed: 8/16/2023									
Chloride	12.1		mg/L	12.50		97.1	90-110		
Nitrate Nitrogen as NO ₃ N	9.7		mg/L	10.00		97.3	90-110		
Sulfate (SO ₄)	9.4		mg/L	10.00		93.7	90-110		
Reference (BEH0805-SRM2)									
Prepared & Analyzed: 8/16/2023									
Chloride	12.2		mg/L	12.50		97.7	90-110		
Nitrate Nitrogen as NO ₃ N	9.8		mg/L	10.00		97.9	90-110		
Sulfate (SO ₄)	9.4		mg/L	10.00		93.6	90-110		
Reference (BEH0805-SRM3)									
Prepared & Analyzed: 8/17/2023									
Chloride	12.2		mg/L	12.50		97.9	90-110		
Nitrate Nitrogen as NO ₃ N	9.8		mg/L	10.00		98.1	90-110		
Sulfate (SO ₄)	9.4		mg/L	10.00		94.1	90-110		
Reference (BEH0805-SRM4)									
Prepared & Analyzed: 8/17/2023									
Chloride	12.3		mg/L	12.50		98.4	90-110		
Nitrate Nitrogen as NO ₃ N	9.9		mg/L	10.00		98.5	90-110		
Sulfate (SO ₄)	9.4		mg/L	10.00		94.4	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0824									
Blank (BEH0824-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	ND	0.500	mg/L						
Calcium	ND	0.1	mg/L						
Sodium	ND	1	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEH0824-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	ND	0.1	mg/L						
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEH0824-BS1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	37.2	0.500	mg/L	35.71	104	90-110			
Sodium	37	1	mg/L	35.71	103	90-110			
Calcium	36.8	0.1	mg/L	35.71	103	90-110			
Magnesium	38.5	0.1	mg/L	35.71	108	90-110			
LCS (BEH0824-BS2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	34	1	mg/L	35.71	96.2	90-110			
Potassium	33.9	0.500	mg/L	35.71	95.0	90-110			
Calcium	34.5	0.1	mg/L	35.71	96.5	90-110			
Magnesium	36.2	0.1	mg/L	35.71	101	90-110			
Duplicate (BEH0824-DUP1)									
Source: 23H1488-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	43	1	mg/L	44			1.62	15	
Calcium	46.4	0.1	mg/L	46.8			0.794	15	
Potassium	2.78	0.500	mg/L	2.80			0.573	15	
Magnesium	13.9	0.1	mg/L	14.1			1.43	15	
Matrix Spike (BEH0824-MS1)									
Source: 23H1488-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Calcium	84.8	0.1	mg/L	35.71	46.8	107	90-110		
Potassium	39.3	0.500	mg/L	35.71	2.80	102	90-110		
Sodium	80	1	mg/L	35.71	44	103	90-110		
Magnesium	52.2	0.1	mg/L	35.71	14.1	107	90-110		
Matrix Spike (BEH0824-MS2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Potassium	41.2	0.500	mg/L	35.71	115	90-110			
Sodium	94	1	mg/L	35.71	264	90-110			
Calcium	120	0.1	mg/L	35.71	337	90-110			
Magnesium	65.5	0.1	mg/L	35.71	183	90-110			
Reference (BEH0824-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Sodium	89	mg/L		91.50	97.5	90-110			

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0824 (Continued)									
Reference (BEH0824-SRM2)									
Potassium	22.2		mg/L	21.90		101	90-110		
Reference (BEH0824-SRM3)									
Calcium	46.3		mg/L	45.90		101	90-110		
Magnesium	37.4		mg/L	35.60		105	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0840									
Blank (BEH0840-BLK1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO3	ND	10.0	mg/L						
Carbonate as CaCO3	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.1	1.0	units						
Hydroxide as CaCO3	ND	1.00	mg/L						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0840-BLK2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Hydroxide as CaCO3	ND	1.00	mg/L						
Alkalinity as CaCO3	ND	10.0	mg/L						
Carbonate as CaCO3	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.2	1.0	units						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0840-BLK3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO3	ND	10.0	mg/L						
Hydroxide as CaCO3	ND	1.00	mg/L						
Carbonate as CaCO3	ND	1	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.5	1.0	units						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0840-DUP1)									
Source: 23H1489-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Hydroxide as CaCO3	ND	1.00	mg/L		ND				10
pH	8.0	1.0	units		7.9			1.01	10
Electrical Conductivity	0.83	0.01	mmhos/cm		0.83			0.120	10
Carbonate as CaCO3	ND	1	mg/L		ND				10
Alkalinity as CaCO3	321	10.0	mg/L		318			0.783	10
Electrical Conductivity umhos	830	10.0	umhos/cm		831			0.120	10
Duplicate (BEH0840-DUP2)									
Source: 23H1490-01									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Hydroxide as CaCO3	ND	1.00	mg/L		ND				10
Alkalinity as CaCO3	440	10.0	mg/L		433			1.40	10
Carbonate as CaCO3	ND	1	mg/L		ND				10
pH	7.8	1.0	units		7.6			1.30	10
Electrical Conductivity	1.14	0.01	mmhos/cm		1.14			0.0526	10
Electrical Conductivity umhos	1140	10.0	umhos/cm		1140			0.0526	10
Reference (BEH0840-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0840 (Continued)									
Reference (BEH0840-SRM1)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity	511		umhos/cm	538.0		95.0	90-110		
Alkalinity as CaCO ₃	40.1		mg/L	40.60		98.7	90-110		
Reference (BEH0840-SRM2)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Alkalinity as CaCO ₃	39.7		mg/L	40.60		97.8	90-110		
Electrical Conductivity	522		umhos/cm	538.0		97.0	90-110		
Reference (BEH0840-SRM3)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
Electrical Conductivity	521		umhos/cm	538.0		96.8	90-110		
Alkalinity as CaCO ₃	39.6		mg/L	40.60		97.5	90-110		
Reference (BEH0840-SRM4)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEH0840-SRM5)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEH0840-SRM6)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEH0840-SRM7)									
Prepared: 8/16/2023 Analyzed: 8/18/2023									
pH	5.8		units	5.820		99.8	28178-101.7		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Tri-Iest Dairy
16500 Ave 14
Madera, CA 93637

Account# 00-0014117
Account Manager: Ben Nydam
Submitted By: Danny Iest

Received: 08/16/2023 9:52
Reported: 09/01/2023 11:13

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0877									
Blank (BEH0877-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023				
LCS (BEH0877-BS1)									
Total Filterable Solids (TDS)	36.2	10.0	mg/L	2000	Prepared: 8/17/2023 Analyzed: 8/21/2023	1.81	0-200		
Duplicate (BEH0877-DUP1)									
Total Filterable Solids (TDS)	850	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023	820		3.59	10
Duplicate (BEH0877-DUP2)									
Total Filterable Solids (TDS)	590	10.0	mg/L		Prepared: 8/17/2023 Analyzed: 8/21/2023	620		4.96	10
Reference (BEH0877-SRM1)									
Total Filterable Solids (TDS)	343		mg/L	325.0	Prepared: 8/17/2023 Analyzed: 8/21/2023	106	90-110		
Reference (BEH0877-SRM2)									
Total Filterable Solids (TDS)	510		mg/L	495.0	Prepared: 8/17/2023 Analyzed: 8/21/2023	103	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



08/16/23 09:52

23H1489

14117

08

Purchase Order No

Bill To:

Acct #

Cons #

Results Need By

Name: Tri Iest Dairy

Address: 16500 Avenue 14

City: Madera State: CA Zip: 93637

Telephone: Fax:

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

REQUESTED BY: Danny Iest

PROJECT:

CROP: DOMESTIC WELLS

[X] Copy of Chain [X] QA/QC Documents

Sampled By:

FOR AG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

No. Samples: 6

No of Bottles:

Water Type: Drinking Water Wastewater[] Ag Water Groundwater Monitoring Well

Other:

Analysis and Bottles Required: (Please Indicate Analysis)

() DWW1: EC, NO₃-N NH4-N Field Test

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DWW2: DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DCW1: EC, NO₃-N, TKN, TN, TDS

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW1: EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK

(1-1 Liter Plastic, Unpreserved) White Per Sample

() DPW2: DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl

(1-1 Liter Plastic, Unpreserved) White Per Sample

() Other

Description of Samples

	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH ₄ -N PURGE 30 min
1	8/15/23	1608	-19.6	
2		1611	-7.0	
3		1318	-50.1	
4		1341	0.6	
5		1345	-8.6	
6		1348	-7.0	
7				
8				
9				
10				

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/15/23 1611	8/16/23
Second				
Third				
Fourth	50	DRC	8/16/23 9:52	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged.

Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Inventory Information:

Shipping

Sampling hrs _____

\$

In

Miles _____

\$

Out

Consulting

Amt Paid

Rec By

Check #

Date

Signature

Sample received in cooler with ice (coolant)

[] Yes [] No



08/16/23 09:52

23H1489

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>																																																																																																																																																																																																																		
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in ice chest																																																																																																																																																																																																													
Container: Ice Chest <input type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>																																																																																																																																																																																																													
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory																																																																																																																																																																																																																		
Type of Container(s) Received		Sample Number																																																																																																																																																																																																																
		1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																																							
Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>																																																																																																																																																																																																																		
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																																	
	250 mL unpreserved (White) Plastic																																																																																																																																																																																																																	
	250 mL HNO ₃ (Red) Plastic																																																																																																																																																																																																																	
	* pH Value																																																																																																																																																																																																																	
	250 mL H ₂ SO ₄ (Yellow) Plastic																																																																																																																																																																																																																	
	* pH Value																																																																																																																																																																																																																	
	500 mL unpreserved (White) Plastic																																																																																																																																																																																																																	
Special	1 L unpreserved (White) Plastic																																																																																																																																																																																																																	
	1 L unpreserved (BOD) (Purple) Plastic																																																																																																																																																																																																																	
	500mL unpreserved (White) Glass																																																																																																																																																																																																																	
	PO4-P Kit																																																																																																																																																																																																																	
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>																																																																																																																																																																																																																		
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																																	
	250 mL unpreserved (White) Plastic																																																																																																																																																																																																																	
	250 mL HNO ₃ (Red) Plastic																																																																																																																																																																																																																	
	250 mL H ₂ SO ₄ (Yellow) Plastic																																																																																																																																																																																																																	
	500 mL HNO ₃ (Red)																																																																																																																																																																																																																	
	1 L unpreserved (White) Plastic																																																																																																																																																																																																																	
	1 L unpreserved (BOD) (Purple) Plastic																																																																																																																																																																																																																	
VOA Vials	1 L HNO ₃ (Red)																																																																																																																																																																																																																	
	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)																																																																																																																																																																																																																	
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)																																																																																																																																																																																																																	
	40mL AG VOA unpreserved (White) (Set of 3)																																																																																																																																																																																																																	
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																																																	
	40mL VOA, H ₃ PO ₄ (Set of 3)																																																																																																																																																																																																																	
	40 mL VOA, HCl (Blue) (Set of 3)																																																																																																																																																																																																																	
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										250 mL AG unpreserved (White)										250 mL AG H ₂ SO ₄ (Yellow)										250 mL AG Na ₂ S ₂ O ₃ (Green)										250 mL AG Na ₂ S ₂ O ₃ + MCAA										500 mL glass unpreserved (White)										500 mL AG HCl (Blue)										Special	1 L AG unpreserved (White)										1 L AG H ₂ SO ₄ (Yellow)										1 L AG Na ₂ S ₂ O ₃ (Green)										1 L AG HCl (Blue)										Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃											Cyanide - 500 mL NaOH											Asbestos - 1L P wrapped in foil (Set of 2)											Sulfide - 1 L AG or P NaOH + ZnAc											Chlorite/Bromate - 250 mL AG with EDA											HAAs - 250mL AG Ammonium Chlorite											DO KIT											Other:											Other:										
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																																																	
	250 mL AG unpreserved (White)																																																																																																																																																																																																																	
	250 mL AG H ₂ SO ₄ (Yellow)																																																																																																																																																																																																																	
	250 mL AG Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																																	
	250 mL AG Na ₂ S ₂ O ₃ + MCAA																																																																																																																																																																																																																	
	500 mL glass unpreserved (White)																																																																																																																																																																																																																	
500 mL AG HCl (Blue)																																																																																																																																																																																																																		
Special	1 L AG unpreserved (White)										1 L AG H ₂ SO ₄ (Yellow)										1 L AG Na ₂ S ₂ O ₃ (Green)										1 L AG HCl (Blue)										Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃											Cyanide - 500 mL NaOH											Asbestos - 1L P wrapped in foil (Set of 2)											Sulfide - 1 L AG or P NaOH + ZnAc											Chlorite/Bromate - 250 mL AG with EDA											HAAs - 250mL AG Ammonium Chlorite											DO KIT											Other:											Other:																																																																																	
	1 L AG unpreserved (White)																																																																																																																																																																																																																	
	1 L AG H ₂ SO ₄ (Yellow)																																																																																																																																																																																																																	
	1 L AG Na ₂ S ₂ O ₃ (Green)																																																																																																																																																																																																																	
	1 L AG HCl (Blue)																																																																																																																																																																																																																	
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃																																																																																																																																																																																																																	
	Cyanide - 500 mL NaOH																																																																																																																																																																																																																	
Asbestos - 1L P wrapped in foil (Set of 2)																																																																																																																																																																																																																		
Sulfide - 1 L AG or P NaOH + ZnAc																																																																																																																																																																																																																		
Chlorite/Bromate - 250 mL AG with EDA																																																																																																																																																																																																																		
HAAs - 250mL AG Ammonium Chlorite																																																																																																																																																																																																																		
DO KIT																																																																																																																																																																																																																		
Other:																																																																																																																																																																																																																		
Other:																																																																																																																																																																																																																		



08/16/23 09:52

23H1489

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
1 L unpreserved (White) Plastic										
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
Special	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
Chlorite/Bromate - 250 mL AG with EDA										
HAA5 - 250mL AG Ammonium Chlorite										
DO KIT										
Other:										
Other:										



08/16/23 09:52

23H1489

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input checked="" type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
1 L unpreserved (White) Plastic										
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
Glass	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
Special	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									