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: Milk Time Dairy

Physical address of dairy:

12519 Road 17	Madera	Madera	93637
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/2000

Regional Water Quality Control Board Basin Plan designation: San Joaquin River Basin

County Assessor Parcel Number(s) for dairy facility:

X043-X106-X006-XXXX X043-X106-X007-XXXX

B. OPERATORS

Fikse, Ed Jr

Operator name: Fikse, Ed Jr Telephone no.: (559) 479-2618 (Landline) (Cellular)

12576 Road 17	Madera	CA	93637
Mailing Address Number and Street	City	State	Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Fikse, Ed Jr

Legal owner name: Fikse, Ed Jr Telephone no.: (559) 479-2618 (Landline) (Cellular)

12576 Road 17	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	1,100	245	640	550	190	50
Number under roof	0	0	0	0	0	0
Maximum number	1,300	300	800	700	300	250
Average number	1,100	245	640	550	190	50
Avg live weight (lbs)	1,400	1,400	900	650		

Predominant milk cow breed: Holstein

Average milk production: 79 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 45,345.34 *tons per reporting period*

Total nitrogen from manure: 554,016.76 *lbs per reporting period* After ammonia losses (30% loss applied): 387,811.73 *lbs per reporting period*

Total phosphorus from manure: 91,129.54 *lbs per reporting period*

Total potassium from manure: 217,164.45 *lbs per reporting period*

Total salt from manure: 574,272.75 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 113,085,500 *gallons*

Total nitrogen generated: 179,057.83 *lbs*

Total phosphorus generated: 29,297.20 *lbs*

Total potassium generated: 116,325.08 *lbs*

Total salt generated: 2,405,622.54 *lbs*

	113,085,500	*gallons applied*
+	0	*gallons exported*
-	0	*gallons imported*
=	113,085,500	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
MTD 10	Ground water
MTD 113	Ground water
MTD 114	Ground water
MTD 126	Ground water
MTD 18	Ground water

Source Description	Type
MTD 24	Ground water
MTD 25	Ground water
MTD 26	Ground water
MTD 27	Ground water
MTD 5	Ground water
MTD 7	Ground water
MTD 8	Ground water
MTD 9	Ground water
MTD 92	Ground water
Popecreek Reservoir	Ground water

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 (%)
04/15/2023	Solid commercial fertilizer *25-0-0-5S*	5.82 *ton*	As-is	0.1	25.000000	0.000000	0.000000	0.000000
05/08/2023	Solid commercial fertilizer *25-0-0-5S*	70.08 *ton*	As-is	0.1	25.000000	0.000000	0.000000	0.000000
06/06/2023	Solid commercial fertilizer *25-0-0-5S*	19.88 *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	47,890.00	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	47,890.00	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 (%)
06/13/2023	Separator solids	2,675.00 *ton*	Dry-weight	40.1		21,800.00	10,100.00	370,000.00		0.00

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/13/2023	Separator solids	1,632.00 *ton*	Dry-weight	26.1		17,200.00	7,600.00	27,200.00		0.00

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	111,349.42	50,698.89	1,251,329.51	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	111,349.42	50,698.89	1,251,329.51	0.00

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
M101	45	45	2	process wastewater	X043-X106-X004-XXXX
M102	105	105	2	process wastewater	X043-X106-X007-XXXX
M103	47	47	2	process wastewater	X043-X106-X004-XXXX
M104	53	53	2	process wastewater	X043-X106-X007-XXXX
M105	47	47	2	process wastewater	X043-X106-X005-XXXX
M106	56	56	2	process wastewater	X043-X106-X003-XXXX
M107	46	46	2	process wastewater	X043-X106-X005-XXXX
M108	44	44	2	process wastewater	X043-X106-X006-XXXX
M109	54	54	2	process wastewater	X043-X106-X003-XXXX
M110	56	56	1	none	X045-X161-X008-XXXX
M201	51	51	1	none	X043-X104-X002-XXXX
M202	51	51	1	none	X043-X104-X002-XXXX
M203	50	50	1	none	X043-X104-X002-XXXX
M204	48	48	1	none	X043-X104-X002-XXXX
M205	48	48	1	none	X043-X104-X002-XXXX
M206	48	48	1	manure	X043-X104-X002-XXXX
M207	47	47	1	none	X043-X104-X002-XXXX
M208	50	50	1	none	X043-X104-X002-XXXX
M209	50	50	1	none	X043-X104-X002-XXXX
M210	48	48	1	none	X043-X104-X002-XXXX
M211	48	48	1	none	X043-X104-X002-XXXX
M212	43	43	1	manure	X043-X104-X002-XXXX
Totals for areas that were used for application	588	588	20		
Totals for areas that were not used for application	547	547	11		
Land application area totals	1,135	1,135	31		

B. CROPS AND HARVESTS

M101

Field name: M101

M101

11/01/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 45 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/18/2023	760.32 *ton*	As-is		51.6	4,800.00	1,000.00	7,700.00		13.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	16.90	162.20	33.79	260.20	2,207.97

06/07/2023: Corn, silage

Crop: Corn, silage Acres planted: 45 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 (%)
09/18/2023	948.00 *ton*	As-is		72.6	3,400.00	700.00	3,600.00		8.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	21.07	143.25	29.49	151.68	935.11

M102

Field name: M102

11/07/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 105 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/19/2023	1,515.00 *ton*	As-is		53.0	5,600.00	1,000.00	7,900.00		11.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	14.43	161.60	28.86	227.97	1,546.17

M102

06/06/2023: Corn, silage

Crop: Corn, silage Acres planted: 105 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 (%)
10/02/2023	2,999.00 *ton*	As-is		55.0	3,600.00	1,100.00	5,200.00		5.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	28.56	205.65	62.84	297.04	1,490.93

M103

Field name: M103

11/01/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 47 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/18/2023	796.00 *ton*	As-is		60.5	5,100.00	900.00	7,100.00		11.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	16.94	172.75	30.49	240.49	1,471.75

06/09/2023: Corn, silage

Crop: Corn, silage Acres planted: 47 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 (%)
08/28/2023	1,334.00 *ton*	As-is		70.8	3,500.00	700.00	4,400.00		6.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	28.38	198.68	39.74	249.77	1,077.42

M104

Field name: M104

11/07/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 53 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/19/2023	555.00 *ton*	As-is		59.3	5,100.00	1,000.00	7,000.00		13.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	10.47	106.81	20.94	146.60	1,176.31

06/08/2023: Corn, silage

Crop: Corn, silage Acres planted: 53 Plant date: 06/08/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/18/2023	864.00 *ton*	As-is		60.0	3,700.00	900.00	4,600.00		7.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	16.30	120.63	29.34	149.98	991.15

M105

Field name: M105

11/07/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 47 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/18/2023	756.37 *ton*	As-is		63.8	4,800.00	800.00	6,000.00		12.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	16.09	154.49	25.75	193.12	1,409.81

M105

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 47 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/28/2023	1,408.00 *ton*	As-is		54.5	4,700.00	700.00	4,900.00		7.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	29.96	281.60	41.94	293.58	2,153.64

M106

Field name: M106

11/07/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 56 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/20/2023	832.95 *ton*	As-is		52.0	5,000.00	1,100.00	7,000.00		10.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	14.87	148.74	32.72	208.24	1,542.15

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 56 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/28/2023	1,320.00 *ton*	As-is		59.8	3,900.00	600.00	5,000.00		7.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	23.57	183.86	28.29	235.71	1,326.60

M107

Field name: M107

11/01/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 46 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/17/2023	690.00 *ton*	As-is		64.5	4,000.00	700.00	6,200.00		12.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	15.00	120.00	21.00	186.00	1,299.30

06/05/2023: Corn, silage

Crop: Corn, silage Acres planted: 46 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 (%)
09/20/2023	1,080.00 *ton*	As-is		60.0	3,800.00	900.00	4,400.00		4.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	23.48	178.43	42.26	206.61	920.35

M108

Field name: M108

11/16/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 44 Plant date: 11/16/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/20/2023	585.00 *ton*	As-is		57.5	4,800.00	600.00	6,700.00		10.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	13.30	127.64	15.95	178.16	1,197.92

M108

06/21/2023: Corn, silage

Crop: Corn, silage Acres planted: 44 Plant date: 06/21/2023

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	1,040.00 *ton*	As-is		64.2	4,000.00	600.00	3,000.00		5.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	23.64	189.09	28.36	141.82	846.18

M109

Field name: M109

11/07/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 54 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/19/2023	645.00 *ton*	As-is		45.0	4,800.00	1,000.00	8,200.00		11.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	11.94	114.67	23.89	195.89	1,537.25

06/22/2023: Corn, silage

Crop: Corn, silage Acres planted: 54 Plant date: 06/22/2023

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	1,406.00 *ton*	As-is		64.3	4,000.00	600.00	3,000.00		5.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	240.80	44.80	184.80	0.00
Total actual harvest content	26.04	208.30	31.24	156.22	929.52

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

M110

Field name: M110

02/06/2012: Almond, in shell

Crop: Almond, in shell Acres planted: 56 Plant date: 02/06/2012

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/12/2023	357.93 *ton*	As-is		10.5	9,700.00	1,800.00	23,900.00		7.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	6.39	124.00	23.01	305.52	812.31

M201

Field name: M201

01/01/2017: Almond, in shell

Crop: Almond, in shell Acres planted: 51 Plant date: 01/01/2017

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	254.90 *ton*	As-is		11.0	12,200.00	2,100.00	22,900.00		7.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	5.00	121.95	20.99	228.91	667.24

M202

Field name: M202

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

M202

01/01/2016: Almond, in shell

Crop: Almond, in shell Acres planted: 51 Plant date: 01/01/2016

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	250.60 *ton*	As-is		10.7	13,900.00	1,800.00	25,500.00		7.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	4.91	136.60	17.69	250.60	649.42

M203

Field name: M203

01/01/2016: Almond, in shell

Crop: Almond, in shell Acres planted: 50 Plant date: 01/01/2016

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	250.60 *ton*	As-is		10.7	13,900.00	1,800.00	25,500.00		7.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	5.01	139.33	18.04	255.61	662.41

M204

Field name: M204

M204

01/01/2014: Almond, in shell

Crop: Almond, in shell Acres planted: 48 Plant date: 01/01/2014

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	235.95 *ton*	As-is		10.7	13,100.00	1,800.00	20,400.00		6.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	4.92	128.79	17.70	200.56	605.77

M205

Field name: M205

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 48 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	237.48 *ton*	As-is		10.5	12,600.00	1,700.00	22,800.00		7.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	4.95	124.68	16.82	225.61	699.63

M206

Field name: M206

M206

11/09/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 48 Plant date: 11/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/22/2023	949.72 *ton*	As-is		64.8	4,200.00	900.00	6,000.00		11.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	19.79	166.20	35.61	237.43	1,587.93

M207

Field name: M207

01/01/2007: Grape

Crop: Grape Acres planted: 47 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 (%)
09/25/2023	406.65 *ton*	As-is		71.0	2,100.00	400.00	3,300.00		3.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	10.00	83.00	13.00	91.00	0.00
Total actual harvest content	8.65	36.34	6.92	57.10	150.55

M208

Field name: M208

M208

01/01/2007: Grape

Crop: Grape Acres planted: 50 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 (%)
09/25/2023	429.93 *ton*	As-is		70.9	1,900.00	300.00	3,000.00		2.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	10.00	83.00	13.00	91.00	0.00
Total actual harvest content	8.60	32.67	5.16	51.59	135.12

M209

Field name: M209

01/01/2020: Almond, in shell

Crop: Almond, in shell Acres planted: 50 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	246.34 *ton*	As-is		11.0	11,700.00	1,600.00	25,100.00		8.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	4.93	115.29	15.77	247.33	701.58

M210

Field name: M210

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

M210

01/01/2015: Almond, in shell

Crop: Almond, in shell Acres planted: 48 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	235.25 *ton*	As-is		11.0	11,700.00	1,600.00	25,100.00		8.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	4.90	114.68	15.68	246.03	697.91

M211

Field name: M211

01/01/2021: Almond, in shell

Crop: Almond, in shell Acres planted: 48 Plant date: 01/01/2021

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	4.00	162.80	19.20	127.60	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

M212

Field name: M212

M212

11/09/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 43 Plant date: 11/09/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/22/2023	631.94 *ton*	As-is		63.6	4,800.00	800.00	6,600.00		12.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	14.00	168.00	25.20	116.20	0.00
Total actual harvest content	14.70	141.08	23.51	193.99	1,337.36

NUTRIENT BUDGET

A. LAND APPLICATIONS

M101 - 11/01/2022: Wheat, silage, soft dough

Field name: M101

Crop: Wheat, silage, soft dough Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/15/2022	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	98.58	24.07	107.68	794.61	3,105,000.00 *gal*
MTD 10	Ground water	1.68	0.00	0.00	246.52	3,933,000.00 *gal*
MTD 114	Ground water	2.62	0.00	0.00	755.46	4,968,000.00 *gal*
Application event totals		102.87	24.07	107.68	1,796.59	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	100.01	30.61	119.54	1,001.40	3,375,000.00 *gal*
MTD 10	Ground water	1.82	0.00	0.00	267.96	4,275,000.00 *gal*
MTD 114	Ground water	2.84	0.00	0.00	821.15	5,400,000.00 *gal*
Application event totals		104.68	30.61	119.54	2,090.51	

M101 - 06/07/2023: Corn, silage

Field name: M101

Crop: Corn, silage Plant date: 06/07/2023

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)	Amount
Wastewater	Process wastewater	71.95	8.93	31.70	183.92	1,305,000.00 *gal*
MTD 10	Ground water	1.53	0.00	0.00	225.08	3,591,000.00 *gal*
MTD 114	Ground water	2.39	0.00	0.00	689.76	4,536,000.00 *gal*
Application event totals		75.87	8.93	31.70	1,098.77	

M101 - 06/07/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/07/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

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
MTD 10	Ground water	1.58	0.00	0.00	232.23	3,705,000.00 *gal*
MTD 114	Ground water	2.46	0.00	0.00	711.66	4,680,000.00 *gal*
Application event totals		4.05	0.00	0.00	943.89	

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
Wastewater	Process wastewater	36.95	4.09	16.68	1,445.77	1,575,000.00 *gal*
MTD 10	Ground water	1.29	0.00	0.00	189.36	3,021,000.00 *gal*
MTD 114	Ground water	2.01	0.00	0.00	580.28	3,816,000.00 *gal*
Application event totals		40.25	4.09	16.68	2,215.41	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/24/2023	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
MTD 10	Ground water	1.46	0.00	0.00	214.37	3,420,000.00 *gal*
MTD 114	Ground water	2.28	0.00	0.00	656.92	4,320,000.00 *gal*
Application event totals		3.73	0.00	0.00	871.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	38.00	4.21	17.15	1,487.08	1,620,000.00 *gal*
MTD 10	Ground water	1.31	0.00	0.00	192.93	3,078,000.00 *gal*
MTD 114	Ground water	2.05	0.00	0.00	591.23	3,888,000.00 *gal*
Application event totals		41.36	4.21	17.15	2,271.24	

M101 - 06/07/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/22/2023	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
MTD 10	Ground water	1.43	0.00	0.00	210.79	3,363,000.00 *gal*
MTD 114	Ground water	2.24	0.00	0.00	645.97	4,248,000.00 *gal*
Application event totals		3.67	0.00	0.00	856.76	

M102 - 11/07/2022: Wheat, silage, soft dough

Field name: M102

Crop: Wheat, silage, soft dough Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/28/2022	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	90.01	21.98	98.31	725.51	6,615,000.00 *gal*
MTD 10	Ground water	1.53	0.00	0.00	225.08	8,379,000.00 *gal*
MTD 114	Ground water	2.39	0.00	0.00	689.76	10,584,000.00 *gal*
Application event totals		93.93	21.98	98.31	1,640.36	

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)	Amount
Wastewater	Process wastewater	97.73	29.91	116.81	978.51	7,695,000.00 *gal*
MTD 10	Ground water	1.78	0.00	0.00	261.83	9,747,000.00 *gal*
MTD 114	Ground water	2.78	0.00	0.00	802.38	12,312,000.00 *gal*
Application event totals		102.29	29.91	116.81	2,042.72	

M102 - 06/06/2023: Corn, silage

Field name: M102

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

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

M102 - 06/06/2023: 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
MTD 10	Ground water	1.33	0.00	0.00	195.99	7,296,000.00 *gal*
MTD 114	Ground water	2.08	0.00	0.00	600.61	9,216,000.00 *gal*
Application event totals		3.41	0.00	0.00	796.60	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/30/2023	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
Wastewater	Process wastewater	125.47	15.57	55.28	320.73	5,310,000.00 *gal*
MTD 10	Ground water	1.23	0.00	0.00	180.68	6,726,000.00 *gal*
MTD 114	Ground water	1.92	0.00	0.00	553.69	8,496,000.00 *gal*
Application event totals		128.61	15.57	55.28	1,055.10	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/18/2023	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
MTD 10	Ground water	1.41	0.00	0.00	206.71	7,695,000.00 *gal*
MTD 114	Ground water	2.19	0.00	0.00	633.46	9,720,000.00 *gal*
Application event totals		3.60	0.00	0.00	840.17	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	56.10	6.21	25.32	2,195.21	5,580,000.00 *gal*
MTD 10	Ground water	1.29	0.00	0.00	189.87	7,068,000.00 *gal*
MTD 114	Ground water	2.02	0.00	0.00	581.84	8,928,000.00 *gal*
Application event totals		59.41	6.21	25.32	2,966.92	

M102 - 06/06/2023: 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
MTD 10	Ground water	1.26	0.00	0.00	185.27	6,897,000.00 *gal*
MTD 114	Ground water	1.97	0.00	0.00	567.77	8,712,000.00 *gal*
Application event totals		3.23	0.00	0.00	753.04	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	52.48	5.81	23.69	2,053.59	5,220,000.00 *gal*
MTD 10	Ground water	1.21	0.00	0.00	177.62	6,612,000.00 *gal*
MTD 114	Ground water	1.89	0.00	0.00	544.30	8,352,000.00 *gal*
Application event totals		55.57	5.81	23.69	2,775.51	

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
MTD 10	Ground water	1.16	0.00	0.00	169.96	6,327,000.00 *gal*
MTD 114	Ground water	1.80	0.00	0.00	520.84	7,992,000.00 *gal*
Application event totals		2.96	0.00	0.00	690.80	

M103 - 11/01/2022: Wheat, silage, soft dough

Field name: M103

Crop: Wheat, silage, soft dough Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/18/2022	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	80.70	19.70	88.15	650.54	2,655,000.00 *gal*
MTD 92	Ground water	18.32	0.00	0.00	747.33	5,133,000.00 *gal*
MTD 114	Ground water	2.14	0.00	0.00	618.48	4,248,000.00 *gal*
Application event totals		101.17	19.70	88.15	2,016.35	

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

M103 - 11/01/2022: Wheat, silage, soft dough

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
Wastewater	Process wastewater	102.14	12.68	45.01	261.11	1,935,000.00 *gal*
MTD 92	Ground water	19.87	0.00	0.00	810.67	5,568,000.00 *gal*
MTD 114	Ground water	2.32	0.00	0.00	670.90	4,608,000.00 *gal*
Application event totals		124.34	12.68	45.01	1,742.67	

M103 - 06/09/2023: Corn, silage

Field name: M103

Crop: Corn, silage Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/31/2023	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	83.14	10.32	36.63	212.53	1,575,000.00 *gal*
MTD 92	Ground water	19.25	0.00	0.00	785.33	5,394,000.00 *gal*
MTD 114	Ground water	2.25	0.00	0.00	649.93	4,464,000.00 *gal*
Application event totals		104.64	10.32	36.63	1,647.79	

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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/22/2023	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
MTD 114	Ground water	4.87	0.00	0.00	1,404.69	9,648,000.00 *gal*
Application event totals		4.87	0.00	0.00	1,404.69	

M103 - 06/09/2023: 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
Wastewater	Process wastewater	52.56	5.82	23.72	2,056.60	2,340,000.00 *gal*
MTD 114	Ground water	4.25	0.00	0.00	1,226.48	8,424,000.00 *gal*
Application event totals		56.81	5.82	23.72	3,283.08	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 92	Ground water	14.90	0.00	0.00	608.00	4,176,000.00 *gal*
MTD 114	Ground water	1.74	0.00	0.00	503.17	3,456,000.00 *gal*
Application event totals		16.65	0.00	0.00	1,111.17	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/01/2023	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
Wastewater	Process wastewater	44.47	4.92	20.07	1,740.20	1,980,000.00 *gal*
MTD 92	Ground water	13.66	0.00	0.00	557.33	3,828,000.00 *gal*
MTD 114	Ground water	1.60	0.00	0.00	461.24	3,168,000.00 *gal*
Application event totals		59.73	4.92	20.07	2,758.77	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2023	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
MTD 114	Ground water	3.67	0.00	0.00	1,058.76	7,272,000.00 *gal*
Application event totals		3.67	0.00	0.00	1,058.76	

M104 - 11/07/2022: Wheat, silage, soft dough

Field name: M104

Crop: Wheat, silage, soft dough Plant date: 11/07/2022

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

M104 - 11/07/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/15/2022	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	64.29	15.70	70.22	518.22	2,385,000.00 *gal*
MTD 113	Ground water	1.35	0.00	0.00	968.60	8,544,000.00 *gal*
Application event totals		65.64	15.70	70.22	1,486.82	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/08/2023	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	86.37	10.72	38.06	220.78	1,845,000.00 *gal*
MTD 113	Ground water	1.56	0.00	0.00	1,126.00	9,932,400.00 *gal*
Application event totals		87.93	10.72	38.06	1,346.78	

M104 - 06/08/2023: Corn, silage

Field name: M104

Crop: Corn, silage Plant date: 06/08/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/23/2023	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
MTD 10	Ground water	1.11	0.00	0.00	163.81	3,078,000.00 *gal*
MTD 113	Ground water	0.91	0.00	0.00	653.80	5,767,200.00 *gal*
Application event totals		2.02	0.00	0.00	817.61	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/08/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

M104 - 06/08/2023: Corn, silage

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
Wastewater	Process wastewater	69.51	8.63	30.63	177.70	1,485,000.00 *gal*
MTD 10	Ground water	1.03	0.00	0.00	151.67	2,850,000.00 *gal*
MTD 113	Ground water	0.84	0.00	0.00	605.37	5,340,000.00 *gal*
Application event totals		71.39	8.63	30.63	934.75	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 10	Ground water	0.87	0.00	0.00	127.41	2,394,000.00 *gal*
MTD 113	Ground water	0.71	0.00	0.00	508.51	4,485,600.00 *gal*
Application event totals		1.57	0.00	0.00	635.92	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/24/2023	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
Wastewater	Process wastewater	30.47	3.37	13.76	1,192.47	1,530,000.00 *gal*
MTD 10	Ground water	0.95	0.00	0.00	139.54	2,622,000.00 *gal*
MTD 113	Ground water	0.77	0.00	0.00	556.94	4,912,800.00 *gal*
Application event totals		32.20	3.37	13.76	1,888.95	

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
MTD 10	Ground water	0.83	0.00	0.00	121.34	2,280,000.00 *gal*
MTD 113	Ground water	0.67	0.00	0.00	484.30	4,272,000.00 *gal*
Application event totals		1.50	0.00	0.00	605.64	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/19/2023	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	32.27	3.57	14.56	1,262.61	1,620,000.00 *gal*
MTD 10	Ground water	1.01	0.00	0.00	148.64	2,793,000.00 *gal*
MTD 113	Ground water	0.82	0.00	0.00	593.27	5,233,200.00 *gal*
Application event totals		34.10	3.57	14.56	2,004.52	

M104 - 06/08/2023: Corn, silage

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
MTD 10	Ground water	0.76	0.00	0.00	112.24	2,109,000.00 *gal*
MTD 113	Ground water	0.62	0.00	0.00	447.98	3,951,600.00 *gal*
Application event totals		1.39	0.00	0.00	560.22	

M105 - 11/07/2022: Wheat, silage, soft dough

Field name: M105

Crop: Wheat, silage, soft dough Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/07/2022	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	58.82	14.36	64.25	474.12	1,935,000.00 *gal*
MTD 92	Ground water	20.18	0.00	0.00	823.33	5,655,000.00 *gal*
MTD 114	Ground water	2.36	0.00	0.00	681.38	4,680,000.00 *gal*
Application event totals		81.36	14.36	64.25	1,978.83	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/14/2023	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
Wastewater	Process wastewater	116.39	14.45	51.29	297.54	2,205,000.00 *gal*
MTD 114	Ground water	4.47	0.00	0.00	1,289.38	8,856,000.00 *gal*
Application event totals		120.86	14.45	51.29	1,586.92	

M105 - 06/10/2023: Corn, silage

Field name: M105

Crop: Corn, silage Plant date: 06/10/2023

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

M105 - 06/10/2023: Corn, silage

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
Wastewater	Process wastewater	130.65	16.22	57.57	333.98	2,475,000.00 *gal*
MTD 92	Ground water	17.08	0.00	0.00	696.67	4,785,000.00 *gal*
MTD 114	Ground water	2.00	0.00	0.00	576.55	3,960,000.00 *gal*
Application event totals		149.72	16.22	57.57	1,607.19	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/10/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 92	Ground water	15.52	0.00	0.00	633.33	4,350,000.00 *gal*
MTD 114	Ground water	1.82	0.00	0.00	524.14	3,600,000.00 *gal*
Application event totals		17.34	0.00	0.00	1,157.47	

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
Wastewater	Process wastewater	45.48	5.03	20.53	1,779.75	2,025,000.00 *gal*
MTD 92	Ground water	13.97	0.00	0.00	570.00	3,915,000.00 *gal*
MTD 114	Ground water	1.63	0.00	0.00	471.72	3,240,000.00 *gal*
Application event totals		61.09	5.03	20.53	2,821.47	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 114	Ground water	3.59	0.00	0.00	1,037.79	7,128,000.00 *gal*
Application event totals		3.59	0.00	0.00	1,037.79	

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

M105 - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	48.51	5.37	21.90	1,898.40	2,160,000.00 *gal*
MTD 92	Ground water	14.90	0.00	0.00	608.00	4,176,000.00 *gal*
MTD 114	Ground water	1.74	0.00	0.00	503.17	3,456,000.00 *gal*
Application event totals		65.16	5.37	21.90	3,009.57	

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
MTD 92	Ground water	13.04	0.00	0.00	532.00	3,654,000.00 *gal*
MTD 114	Ground water	1.52	0.00	0.00	440.28	3,024,000.00 *gal*
Application event totals		14.57	0.00	0.00	972.27	

M106 - 11/07/2022: Wheat, silage, soft dough

Field name: M106

Crop: Wheat, silage, soft dough Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/19/2022	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	65.44	15.98	71.48	527.48	2,565,000.00 *gal*
MTD 113	Ground water	1.59	0.00	0.00	1,145.89	10,680,000.00 *gal*
Application event totals		67.03	15.98	71.48	1,673.37	

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)	Amount
Wastewater	Process wastewater	107.66	13.36	47.44	275.21	2,430,000.00 *gal*
MTD 113	Ground water	1.51	0.00	0.00	1,088.59	10,146,000.00 *gal*
Application event totals		109.17	13.36	47.44	1,363.80	

M106 - 06/10/2023: Corn, silage

Field name: M106

Crop: Corn, silage Plant date: 06/10/2023

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
Wastewater	Process wastewater	105.66	13.11	46.56	270.11	2,385,000.00 *gal*
MTD 10	Ground water	1.29	0.00	0.00	189.48	3,762,000.00 *gal*
MTD 113	Ground water	1.05	0.00	0.00	756.29	7,048,800.00 *gal*
Application event totals		108.00	13.11	46.56	1,215.88	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/10/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/24/2023	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
MTD 10	Ground water	1.13	0.00	0.00	166.52	3,306,000.00 *gal*
MTD 113	Ground water	0.92	0.00	0.00	664.61	6,194,400.00 *gal*
Application event totals		2.06	0.00	0.00	831.13	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/09/2023	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
Wastewater	Process wastewater	52.59	5.82	23.74	2,058.01	2,790,000.00 *gal*
MTD 10	Ground water	1.21	0.00	0.00	177.50	3,524,000.00 *gal*
MTD 113	Ground water	0.99	0.00	0.00	710.45	6,621,600.00 *gal*
Application event totals		54.79	5.82	23.74	2,945.96	

M106 - 06/10/2023: Corn, silage

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
MTD 10	Ground water	1.04	0.00	0.00	152.16	3,021,000.00 *gal*
MTD 113	Ground water	0.84	0.00	0.00	607.32	5,660,400.00 *gal*
Application event totals		1.88	0.00	0.00	759.48	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/05/2023	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
Wastewater	Process wastewater	41.57	4.60	18.76	1,626.49	2,205,000.00 *gal*
MTD 10	Ground water	0.96	0.00	0.00	140.68	2,793,000.00 *gal*
MTD 113	Ground water	0.78	0.00	0.00	561.48	5,233,200.00 *gal*
Application event totals		43.30	4.60	18.76	2,328.66	

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
MTD 10	Ground water	0.84	0.00	0.00	123.45	2,451,000.00 *gal*
MTD 113	Ground water	0.68	0.00	0.00	492.73	4,592,400.00 *gal*
Application event totals		1.52	0.00	0.00	616.18	

M107 - 11/01/2022: Wheat, silage, soft dough

Field name: M107

Crop: Wheat, silage, soft dough Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/05/2022	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	64.29	15.70	70.22	518.22	2,070,000.00 *gal*
MTD 92	Ground water	18.08	0.00	0.00	737.69	4,959,000.00 *gal*
MTD 114	Ground water	2.11	0.00	0.00	610.51	4,104,000.00 *gal*
Application event totals		84.49	15.70	70.22	1,866.42	

M107 - 11/01/2022: Wheat, silage, soft dough

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)	Amount
Wastewater	Process wastewater	61.31	18.76	73.28	613.90	2,115,000.00 *gal*
MTD 114	Ground water	4.75	0.00	0.00	1,370.96	9,216,000.00 *gal*
Application event totals		66.06	18.76	73.28	1,984.86	

M107 - 06/05/2023: Corn, silage

Field name: M107

Crop: Corn, silage Plant date: 06/05/2023

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
MTD 8	Ground water	0.64	0.00	0.00	236.09	3,546,000.00 *gal*
MTD 114	Ground water	2.23	0.00	0.00	642.64	4,320,000.00 *gal*
Application event totals		2.87	0.00	0.00	878.73	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/05/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/19/2023	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	82.52	10.24	36.36	210.95	1,530,000.00 *gal*
MTD 8	Ground water	0.55	0.00	0.00	200.67	3,014,100.00 *gal*
MTD 114	Ground water	1.89	0.00	0.00	546.24	3,672,000.00 *gal*
Application event totals		84.96	10.24	36.36	957.86	

M107 - 06/05/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/01/2023	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
MTD 8	Ground water	0.47	0.00	0.00	173.13	2,600,400.00 *gal*
MTD 92	Ground water	13.96	0.00	0.00	569.45	3,828,000.00 *gal*
Application event totals		14.43	0.00	0.00	742.58	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/17/2023	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
Wastewater	Process wastewater	39.24	4.34	17.71	1,535.57	1,710,000.00 *gal*
MTD 8	Ground water	0.61	0.00	0.00	224.28	3,368,700.00 *gal*
MTD 114	Ground water	2.11	0.00	0.00	610.51	4,104,000.00 *gal*
Application event totals		41.97	4.34	17.71	2,370.36	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 8	Ground water	0.66	0.00	0.00	243.96	3,664,200.00 *gal*
MTD 92	Ground water	19.67	0.00	0.00	802.40	5,394,000.00 *gal*
Application event totals		20.33	0.00	0.00	1,046.36	

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
Wastewater	Process wastewater	34.09	3.77	15.39	1,333.97	1,485,500.00 *gal*
MTD 8	Ground water	0.54	0.00	0.00	198.80	2,985,900.00 *gal*
MTD 114	Ground water	1.82	0.00	0.00	524.82	3,528,000.00 *gal*
Application event totals		36.45	3.77	15.39	2,057.59	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 8	Ground water	0.44	0.00	0.00	161.33	2,423,100.00 *gal*
MTD 114	Ground water	1.52	0.00	0.00	439.14	2,952,000.00 *gal*
Application event totals		1.96	0.00	0.00	600.46	

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

M108 - 11/16/2022: Wheat, silage, soft dough

Field name: M108

Crop: Wheat, silage, soft dough Plant date: 11/16/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/22/2023	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
Wastewater	Process wastewater	55.92	17.11	66.83	559.87	1,845,000.00 *gal*
MTD 8	Ground water	0.57	0.00	0.00	209.80	3,014,100.00 *gal*
MTD 113	Ground water	1.03	0.00	0.00	743.79	5,446,800.00 *gal*
Application event totals		57.52	17.11	66.83	1,513.46	

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
Wastewater	Process wastewater	101.49	12.60	44.72	259.45	1,800,000.00 *gal*
MTD 8	Ground water	0.67	0.00	0.00	246.82	3,546,000.00 *gal*
MTD 113	Ground water	1.22	0.00	0.00	875.04	6,408,000.00 *gal*
Application event totals		103.38	12.60	44.72	1,381.31	

M108 - 06/21/2023: Corn, silage

Field name: M108

Crop: Corn, silage Plant date: 06/21/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/10/2023	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
MTD 8	Ground water	0.57	0.00	0.00	209.80	3,014,100.00 *gal*
MTD 113	Ground water	1.03	0.00	0.00	743.79	5,446,800.00 *gal*
Application event totals		1.60	0.00	0.00	953.58	

M108 - 06/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/21/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	116.72	14.49	51.43	298.37	2,070,000.00 *gal*
MTD 8	Ground water	0.52	0.00	0.00	189.23	2,718,600.00 *gal*
MTD 113	Ground water	0.93	0.00	0.00	670.87	4,912,800.00 *gal*
Application event totals		118.17	14.49	51.43	1,158.46	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/18/2023	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
MTD 8	Ground water	0.46	0.00	0.00	168.66	2,423,100.00 *gal*
MTD 113	Ground water	0.83	0.00	0.00	597.95	4,378,800.00 *gal*
Application event totals		1.29	0.00	0.00	766.60	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/01/2023	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
MTD 8	Ground water	0.41	0.00	0.00	152.21	2,186,700.00 *gal*
MTD 113	Ground water	0.75	0.00	0.00	539.61	3,951,600.00 *gal*
Application event totals		1.16	0.00	0.00	691.81	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/11/2023	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	36.71	4.06	16.57	1,436.38	1,530,000.00 *gal*
MTD 8	Ground water	0.38	0.00	0.00	139.86	2,009,400.00 *gal*
MTD 113	Ground water	0.69	0.00	0.00	495.86	3,631,200.00 *gal*
Application event totals		37.78	4.06	16.57	2,072.10	

M108 - 06/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/26/2023	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	46.42	5.14	20.96	1,816.60	1,935,000.00 *gal*
MTD 8	Ground water	0.48	0.00	0.00	176.89	2,541,300.00 *gal*
MTD 113	Ground water	0.87	0.00	0.00	627.11	4,592,400.00 *gal*
Application event totals		47.78	5.14	20.96	2,620.60	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/11/2023	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
MTD 8	Ground water	0.33	0.00	0.00	119.30	1,713,900.00 *gal*
MTD 113	Ground water	0.59	0.00	0.00	422.94	3,097,200.00 *gal*
Application event totals		0.91	0.00	0.00	542.23	

M109 - 11/07/2022: Wheat, silage, soft dough

Field name: M109

Crop: Wheat, silage, soft dough Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/23/2022	Surface (irrigation)	No precipitation	No precipitation	Steady rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	55.96	13.66	61.12	451.05	2,115,000.00 *gal*
MTD 113	Ground water	1.53	0.00	0.00	1,105.15	9,932,400.00 *gal*
Application event totals		57.49	13.66	61.12	1,556.19	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/16/2023	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	88.90	11.03	39.17	227.26	1,935,000.00 *gal*
MTD 113	Ground water	1.78	0.00	0.00	1,283.39	11,534,400.00 *gal*
Application event totals		90.68	11.03	39.17	1,510.66	

M109 - 06/22/2023: Corn, silage

Field name: M109

Crop: Corn, silage Plant date: 06/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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)	Amount
MTD 8	Ground water	0.56	0.00	0.00	204.46	3,605,100.00 *gal*
MTD 113	Ground water	1.01	0.00	0.00	724.88	6,514,800.00 *gal*
Application event totals		1.56	0.00	0.00	929.34	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/22/2023	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	Solid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	

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	115.78	14.37	51.02	295.97	2,520,000.00 *gal*
MTD 8	Ground water	0.51	0.00	0.00	187.70	3,309,600.00 *gal*
MTD 113	Ground water	0.92	0.00	0.00	665.46	5,980,800.00 *gal*
Application event totals		117.21	14.37	51.02	1,149.14	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/20/2023	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
MTD 8	Ground water	0.47	0.00	0.00	170.94	3,014,100.00 *gal*
MTD 113	Ground water	0.84	0.00	0.00	606.05	5,446,800.00 *gal*
Application event totals		1.31	0.00	0.00	776.99	

M109 - 06/22/2023: Corn, silage

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
Wastewater	Process wastewater	41.35	4.58	18.66	1,617.89	2,115,000.00 *gal*
MTD 8	Ground water	0.43	0.00	0.00	157.54	2,777,700.00 *gal*
MTD 113	Ground water	0.78	0.00	0.00	558.51	5,019,600.00 *gal*
Application event totals		42.55	4.58	18.66	2,333.94	

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
MTD 8	Ground water	0.40	0.00	0.00	147.48	2,600,400.00 *gal*
MTD 113	Ground water	0.73	0.00	0.00	522.86	4,699,200.00 *gal*
Application event totals		1.13	0.00	0.00	670.35	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	46.62	5.16	21.05	1,824.43	2,385,000.00 *gal*
MTD 8	Ground water	0.48	0.00	0.00	177.65	3,132,300.00 *gal*
MTD 113	Ground water	0.87	0.00	0.00	629.81	5,660,400.00 *gal*
Application event totals		47.98	5.16	21.05	2,631.89	

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
MTD 8	Ground water	0.36	0.00	0.00	130.72	2,304,900.00 *gal*
MTD 113	Ground water	0.64	0.00	0.00	463.45	4,165,200.00 *gal*
Application event totals		1.00	0.00	0.00	594.17	

M110 - 02/06/2012: Almond, in shell

Field name: M110

Crop: Almond, in shell Plant date: 02/06/2012

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

M110 - 02/06/2012: Almond, in shell

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
MTD 9	Ground water	1.90	0.00	0.00	354.72	6,899,700.00 *gal*
Application event totals		1.90	0.00	0.00	354.72	

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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 9	Ground water	2.49	0.00	0.00	464.00	9,025,200.00 *gal*
Application event totals		82.49	0.00	0.00	464.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 9	Ground water	2.68	0.00	0.00	499.30	9,711,900.00 *gal*
Application event totals		2.68	0.00	0.00	499.30	

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
MTD 9	Ground water	2.79	0.00	0.00	519.47	10,104,300.00 *gal*
Application event totals		2.79	0.00	0.00	519.47	

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
MTD 9	Ground water	3.39	0.00	0.00	632.11	12,295,200.00 *gal*
Application event totals		3.39	0.00	0.00	632.11	

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
MTD 9	Ground water	2.61	0.00	0.00	485.85	9,450,300.00 *gal*
Application event totals		2.61	0.00	0.00	485.85	

M110 - 02/06/2012: 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
MTD 9	Ground water	1.72	0.00	0.00	321.10	6,245,700.00 *gal*
Application event totals		1.72	0.00	0.00	321.10	

M201 - 01/01/2017: Almond, in shell

Field name: M201

Crop: Almond, in shell Plant date: 01/01/2017

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
MTD 25	Ground water	0.48	0.00	0.00	117.84	2,904,000.00 *gal*
Popecreek Reservoir	Ground water	10.37	0.00	0.00	358.54	2,640,000.00 *gal*
Application event totals		10.84	0.00	0.00	476.38	

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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.55	0.00	0.00	136.59	3,366,000.00 *gal*
Popecreek Reservoir	Ground water	12.02	0.00	0.00	415.58	3,060,000.00 *gal*
Application event totals		92.57	0.00	0.00	552.17	

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
MTD 25	Ground water	0.67	0.00	0.00	166.05	4,092,000.00 *gal*
Popecreek Reservoir	Ground water	14.61	0.00	0.00	505.22	3,720,000.00 *gal*
Application event totals		15.28	0.00	0.00	671.27	

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

M201 - 01/01/2017: 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
MTD 25	Ground water	0.72	0.00	0.00	179.44	4,422,000.00 *gal*
Popecreek Reservoir	Ground water	15.79	0.00	0.00	545.96	4,020,000.00 *gal*
Application event totals		16.51	0.00	0.00	725.40	

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
MTD 25	Ground water	0.79	0.00	0.00	195.51	4,818,000.00 *gal*
Popecreek Reservoir	Ground water	17.20	0.00	0.00	594.85	4,380,000.00 *gal*
Application event totals		17.99	0.00	0.00	790.36	

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
MTD 25	Ground water	0.64	0.00	0.00	158.02	3,894,000.00 *gal*
Popecreek Reservoir	Ground water	13.90	0.00	0.00	480.77	3,540,000.00 *gal*
Application event totals		14.54	0.00	0.00	638.79	

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
MTD 25	Ground water	0.45	0.00	0.00	112.49	2,772,000.00 *gal*
Popecreek Reservoir	Ground water	9.90	0.00	0.00	342.24	2,520,000.00 *gal*
Application event totals		10.35	0.00	0.00	454.73	

M202 - 01/01/2016: Almond, in shell

Field name: M202

Crop: Almond, in shell Plant date: 01/01/2016

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

M202 - 01/01/2016: 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
MTD 25	Ground water	0.44	0.00	0.00	109.81	2,706,000.00 *gal*
Popecreek Reservoir	Ground water	9.66	0.00	0.00	334.09	2,460,000.00 *gal*
Application event totals		10.10	0.00	0.00	443.90	

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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.51	0.00	0.00	125.88	3,102,000.00 *gal*
Popecreek Reservoir	Ground water	11.07	0.00	0.00	382.99	2,820,000.00 *gal*
Application event totals		91.58	0.00	0.00	508.86	

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
MTD 25	Ground water	0.65	0.00	0.00	160.70	3,960,000.00 *gal*
Popecreek Reservoir	Ground water	14.14	0.00	0.00	488.92	3,600,000.00 *gal*
Application event totals		14.79	0.00	0.00	649.61	

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
MTD 25	Ground water	0.75	0.00	0.00	184.80	4,554,000.00 *gal*
Popecreek Reservoir	Ground water	16.26	0.00	0.00	562.26	4,140,000.00 *gal*
Application event totals		17.00	0.00	0.00	747.06	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.82	0.00	0.00	203.55	5,016,000.00 *gal*
Popecreek Reservoir	Ground water	17.91	0.00	0.00	619.30	4,560,000.00 *gal*
Application event totals		18.73	0.00	0.00	822.84	

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

M202 - 01/01/2016: 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
MTD 25	Ground water	0.67	0.00	0.00	166.05	4,092,000.00 *gal*
Popecreek Reservoir	Ground water	14.61	0.00	0.00	505.22	3,720,000.00 *gal*
Application event totals		15.28	0.00	0.00	671.27	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.41	0.00	0.00	101.77	2,508,000.00 *gal*
Popecreek Reservoir	Ground water	8.95	0.00	0.00	309.65	2,280,000.00 *gal*
Application event totals		9.36	0.00	0.00	411.42	

M203 - 01/01/2016: Almond, in shell

Field name: M203

Crop: Almond, in shell Plant date: 01/01/2016

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
MTD 25	Ground water	0.50	0.00	0.00	122.93	2,970,000.00 *gal*
Popecreek Reservoir	Ground water	10.82	0.00	0.00	374.02	2,700,000.00 *gal*
Application event totals		11.31	0.00	0.00	496.95	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/11/2023	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	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.54	0.00	0.00	133.86	3,234,000.00 *gal*
Popecreek Reservoir	Ground water	11.78	0.00	0.00	407.27	2,940,000.00 *gal*
Application event totals		92.32	0.00	0.00	541.13	

M203 - 01/01/2016: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/08/2023	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
MTD 25	Ground water	0.61	0.00	0.00	150.25	3,630,000.00 *gal*
Popecreek Reservoir	Ground water	13.22	0.00	0.00	457.14	3,300,000.00 *gal*
Application event totals		13.82	0.00	0.00	607.39	

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
MTD 25	Ground water	0.70	0.00	0.00	174.84	4,224,000.00 *gal*
Popecreek Reservoir	Ground water	15.38	0.00	0.00	531.94	3,840,000.00 *gal*
Application event totals		16.09	0.00	0.00	706.78	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.79	0.00	0.00	196.69	4,752,000.00 *gal*
Popecreek Reservoir	Ground water	17.30	0.00	0.00	598.44	4,320,000.00 *gal*
Application event totals		18.10	0.00	0.00	795.13	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.70	0.00	0.00	174.84	4,224,000.00 *gal*
Popecreek Reservoir	Ground water	15.38	0.00	0.00	531.94	3,840,000.00 *gal*
Application event totals		16.09	0.00	0.00	706.78	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/05/2023	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
MTD 25	Ground water	0.45	0.00	0.00	112.00	2,706,000.00 *gal*
Popecreek Reservoir	Ground water	9.85	0.00	0.00	340.78	2,460,000.00 *gal*
Application event totals		10.31	0.00	0.00	452.78	

M204 - 01/01/2014: Almond, in shell

M204 - 01/01/2014: Almond, in shell

Field name: M204

Crop: Almond, in shell Plant date: 01/01/2014

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/08/2023	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
MTD 25	Ground water	0.56	0.00	0.00	139.44	3,234,000.00 *gal*
Popecreek Reservoir	Ground water	12.27	0.00	0.00	424.24	2,940,000.00 *gal*
Application event totals		12.83	0.00	0.00	563.68	

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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.60	0.00	0.00	147.97	3,432,000.00 *gal*
Popecreek Reservoir	Ground water	13.02	0.00	0.00	450.21	3,120,000.00 *gal*
Application event totals		93.61	0.00	0.00	598.19	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/10/2023	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
MTD 25	Ground water	0.62	0.00	0.00	153.66	3,564,000.00 *gal*
Popecreek Reservoir	Ground water	13.52	0.00	0.00	467.53	3,240,000.00 *gal*
Application event totals		14.14	0.00	0.00	621.19	

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
MTD 25	Ground water	0.70	0.00	0.00	173.58	4,026,000.00 *gal*
Popecreek Reservoir	Ground water	15.27	0.00	0.00	528.13	3,660,000.00 *gal*
Application event totals		15.97	0.00	0.00	701.72	

M204 - 01/01/2014: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/12/2023	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
MTD 25	Ground water	0.78	0.00	0.00	193.50	4,488,000.00 *gal*
Popecreek Reservoir	Ground water	17.02	0.00	0.00	588.74	4,080,000.00 *gal*
Application event totals		17.80	0.00	0.00	782.24	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/09/2023	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
MTD 25	Ground water	0.50	0.00	0.00	125.21	2,904,000.00 *gal*
Popecreek Reservoir	Ground water	11.02	0.00	0.00	380.95	2,640,000.00 *gal*
Application event totals		11.52	0.00	0.00	506.16	

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
MTD 25	Ground water	0.41	0.00	0.00	102.44	2,376,000.00 *gal*
Popecreek Reservoir	Ground water	9.01	0.00	0.00	311.69	2,160,000.00 *gal*
Application event totals		9.43	0.00	0.00	414.13	

M205 - 01/01/2020: Almond, in shell

Field name: M205

Crop: Almond, in shell Plant date: 01/01/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/10/2023	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
MTD 25	Ground water	0.53	0.00	0.00	130.90	3,036,000.00 *gal*
Popecreek Reservoir	Ground water	11.52	0.00	0.00	398.27	2,760,000.00 *gal*
Application event totals		12.04	0.00	0.00	529.16	

M205 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/15/2023	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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.57	0.00	0.00	142.28	3,300,000.00 *gal*
Popecreek Reservoir	Ground water	12.52	0.00	0.00	432.90	3,000,000.00 *gal*
Application event totals		93.09	0.00	0.00	575.18	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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)	Amount
MTD 25	Ground water	0.67	0.00	0.00	165.05	3,828,000.00 *gal*
Popecreek Reservoir	Ground water	14.52	0.00	0.00	502.16	3,480,000.00 *gal*
Application event totals		15.19	0.00	0.00	667.21	

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
MTD 25	Ground water	0.75	0.00	0.00	184.97	4,290,000.00 *gal*
Popecreek Reservoir	Ground water	16.27	0.00	0.00	562.77	3,900,000.00 *gal*
Application event totals		17.02	0.00	0.00	747.73	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.80	0.00	0.00	199.20	4,620,000.00 *gal*
Popecreek Reservoir	Ground water	17.52	0.00	0.00	606.06	4,200,000.00 *gal*
Application event totals		18.33	0.00	0.00	805.25	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/11/2023	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
MTD 25	Ground water	0.61	0.00	0.00	150.82	3,498,000.00 *gal*
Popecreek Reservoir	Ground water	13.27	0.00	0.00	458.87	3,180,000.00 *gal*
Application event totals		13.88	0.00	0.00	609.69	

M205 - 01/01/2020: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/09/2023	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
MTD 25	Ground water	0.42	0.00	0.00	105.29	2,442,000.00 *gal*
Popecreek Reservoir	Ground water	9.26	0.00	0.00	320.34	2,220,000.00 *gal*
Application event totals		9.69	0.00	0.00	425.63	

M206 - 11/09/2022: Wheat, silage, soft dough

Field name: M206

Crop: Wheat, silage, soft dough Plant date: 11/09/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/11/2022	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
Separator Solids	Separator solids	156.47	14.44	12.84	0.00	708.00 *ton*
Application event totals		156.47	14.44	12.84	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/17/2022	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
MTD 25	Ground water	0.90	0.00	0.00	221.96	5,148,000.00 *gal*
MTD 27	Ground water	20.03	0.00	0.00	738.13	3,931,200.00 *gal*
Application event totals		20.92	0.00	0.00	960.09	

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)	Amount
MTD 25	Ground water	0.95	0.00	0.00	236.19	5,478,000.00 *gal*
MTD 27	Ground water	21.31	0.00	0.00	785.45	4,183,200.00 *gal*
Application event totals		22.26	0.00	0.00	1,021.64	

M207 - 01/01/2007: Grape

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

M207 - 01/01/2007: Grape

Field name: M207

Crop: Grape Plant date: 01/01/2007

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/14/2023	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
MTD 25	Ground water	6.59	0.00	0.00	1,633.28	37,092,000.00 *gal*
Application event totals		6.59	0.00	0.00	1,633.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/14/2023	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	Solid commercial fertilizer	30.00	0.00	0.00	0.00	
Application event totals		30.00	0.00	0.00	0.00	

M208 - 01/01/2007: Grape

Field name: M208

Crop: Grape Plant date: 01/01/2007

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/15/2023	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
MTD 25	Ground water	6.68	0.00	0.00	1,655.48	39,996,000.00 *gal*
Application event totals		6.68	0.00	0.00	1,655.48	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/15/2023	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	Solid commercial fertilizer	30.00	0.00	0.00	0.00	
Application event totals		30.00	0.00	0.00	0.00	

M209 - 01/01/2020: Almond, in shell

M209 - 01/01/2020: Almond, in shell

Field name: M209

Crop: Almond, in shell Plant date: 01/01/2020

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
MTD 25	Ground water	0.51	0.00	0.00	125.66	3,036,000.00 *gal*
Popecreek Reservoir	Ground water	11.06	0.00	0.00	382.33	2,760,000.00 *gal*
Application event totals		11.56	0.00	0.00	508.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.57	0.00	0.00	142.05	3,432,000.00 *gal*
Popecreek Reservoir	Ground water	12.50	0.00	0.00	432.20	3,120,000.00 *gal*
Application event totals		93.07	0.00	0.00	574.26	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.66	0.00	0.00	163.91	3,960,000.00 *gal*
Popecreek Reservoir	Ground water	14.42	0.00	0.00	498.70	3,600,000.00 *gal*
Application event totals		15.08	0.00	0.00	662.61	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
MTD 25	Ground water	0.74	0.00	0.00	183.03	4,422,000.00 *gal*
Popecreek Reservoir	Ground water	16.10	0.00	0.00	556.88	4,020,000.00 *gal*
Application event totals		16.84	0.00	0.00	739.91	

M209 - 01/01/2020: 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
MTD 25	Ground water	0.80	0.00	0.00	199.42	4,818,000.00 *gal*
Popecreek Reservoir	Ground water	17.54	0.00	0.00	606.75	4,380,000.00 *gal*
Application event totals		18.35	0.00	0.00	806.17	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/06/2023	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
MTD 25	Ground water	0.61	0.00	0.00	150.25	3,630,000.00 *gal*
Popecreek Reservoir	Ground water	13.22	0.00	0.00	457.14	3,300,000.00 *gal*
Application event totals		13.82	0.00	0.00	607.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/04/2023	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
MTD 25	Ground water	0.44	0.00	0.00	109.27	2,640,000.00 *gal*
Popecreek Reservoir	Ground water	9.61	0.00	0.00	332.46	2,400,000.00 *gal*
Application event totals		10.05	0.00	0.00	441.74	

M210 - 01/01/2015: Almond, in shell

Field name: M210

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/07/2023	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
MTD 25	Ground water	0.50	0.00	0.00	125.21	2,904,000.00 *gal*
Popecreek Reservoir	Ground water	11.02	0.00	0.00	380.95	2,640,000.00 *gal*
Application event totals		11.52	0.00	0.00	506.16	

M210 - 01/01/2015: 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
25-0-0-5S	Solid commercial fertilizer	80.00	0.00	0.00	0.00	
MTD 25	Ground water	0.53	0.00	0.00	130.90	3,036,000.00 *gal*
Popecreek Reservoir	Ground water	11.52	0.00	0.00	398.27	2,760,000.00 *gal*
Application event totals		92.04	0.00	0.00	529.16	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/09/2023	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
MTD 25	Ground water	0.64	0.00	0.00	159.36	3,696,000.00 *gal*
Popecreek Reservoir	Ground water	14.02	0.00	0.00	484.84	3,360,000.00 *gal*
Application event totals		14.66	0.00	0.00	644.20	

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
MTD 25	Ground water	0.72	0.00	0.00	179.28	4,158,000.00 *gal*
Popecreek Reservoir	Ground water	15.77	0.00	0.00	545.45	3,780,000.00 *gal*
Application event totals		16.49	0.00	0.00	724.73	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/11/2023	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
MTD 25	Ground water	0.81	0.00	0.00	202.04	4,686,000.00 *gal*
Popecreek Reservoir	Ground water	17.77	0.00	0.00	614.71	4,260,000.00 *gal*
Application event totals		18.59	0.00	0.00	816.75	

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
MTD 25	Ground water	0.62	0.00	0.00	153.66	3,564,000.00 *gal*
Popecreek Reservoir	Ground water	13.52	0.00	0.00	467.53	3,240,000.00 *gal*
Application event totals		14.14	0.00	0.00	621.19	

M210 - 01/01/2015: 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
MTD 25	Ground water	0.46	0.00	0.00	113.83	2,640,000.00 *gal*
Popecreek Reservoir	Ground water	10.01	0.00	0.00	346.32	2,400,000.00 *gal*
Application event totals		10.47	0.00	0.00	460.14	

M211 - 01/01/2021: Almond, in shell

Field name: M211

Crop: Almond, in shell Plant date: 01/01/2021

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)	Amount
MTD 25	Ground water	3.81	0.00	0.00	944.75	21,912,000.00 *gal*
Popecreek Reservoir	Ground water	83.12	0.00	0.00	2,874.44	19,920,000.00 *gal*
Application event totals		86.93	0.00	0.00	3,819.19	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/14/2023	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	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

M212 - 11/09/2022: Wheat, silage, soft dough

Field name: M212

Crop: Wheat, silage, soft dough Plant date: 11/09/2022

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

M212 - 11/09/2022: Wheat, silage, soft dough

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)	Amount
Separator Solids	Separator solids	130.26	12.02	10.69	0.00	528.00 *ton*
Application event totals		130.26	12.02	10.69	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/23/2022	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
MTD 25	Ground water	0.95	0.00	0.00	235.06	4,884,000.00 *gal*
MTD 27	Ground water	21.21	0.00	0.00	781.71	3,729,600.00 *gal*
Application event totals		22.16	0.00	0.00	1,016.77	

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

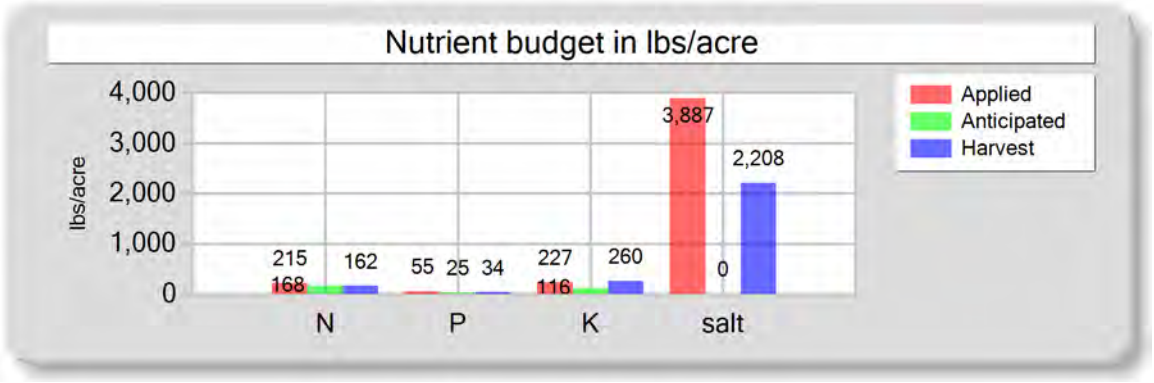
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
MTD 25	Ground water	1.14	0.00	0.00	282.71	5,874,000.00 *gal*
MTD 27	Ground water	25.51	0.00	0.00	940.16	4,485,600.00 *gal*
Application event totals		26.65	0.00	0.00	1,222.87	

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

B. NUTRIENT BUDGET

M101 - 11/01/2022: Wheat, silage, soft dough

Field name: M101 Crop: Wheat, silage, soft dough Plant date: 11/01/2022



	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	198.59	54.67	227.22	1,796.01
Fresh water	8.96	0.00	0.00	2,091.08
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	214.55	54.67	227.22	3,887.09
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	162.20	33.79	260.20	2,207.97
Nutrient balance	52.35	20.88	-32.98	1,679.13
Applied to removed ratio	1.32	1.62	0.87	1.76

Fresh water applied	
18,576,000.00	*gallons*
684.09	*acre-inches*
15.20	*inches/acre*

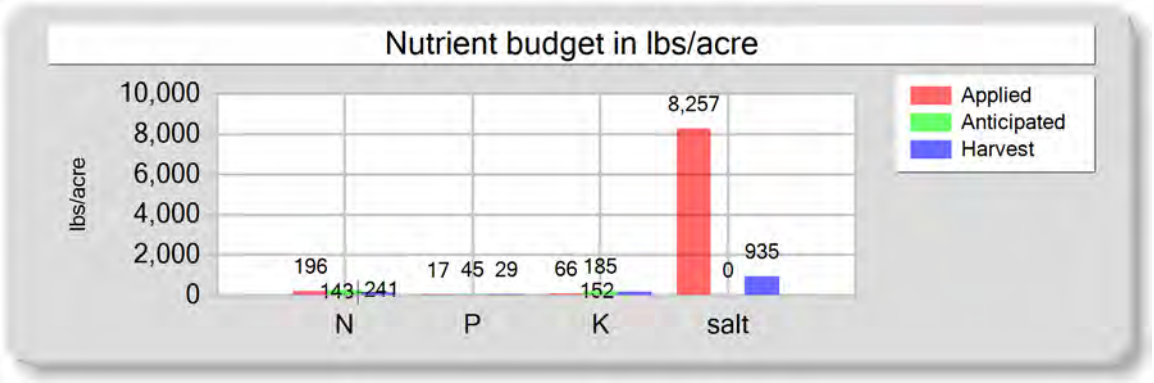
Process wastewater applied	
6,480,000.00	*gallons*
238.64	*acre-inches*
5.30	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M101 - 06/07/2023: Corn, silage

Field name: M101 Crop: Corn, silage Plant date: 06/07/2023



	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	146.90	17.22	65.53	3,116.77
Fresh water	22.03	0.00	0.00	5,140.58
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	195.93	17.22	65.53	8,257.35
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	143.25	29.49	151.68	935.11
Nutrient balance	52.68	-12.27	-86.15	7,322.25
Applied to removed ratio	1.37	0.58	0.43	8.83

Fresh water applied	
45,666,000.00	*gallons*
1,681.72	*acre-inches*
37.37	*inches/acre*

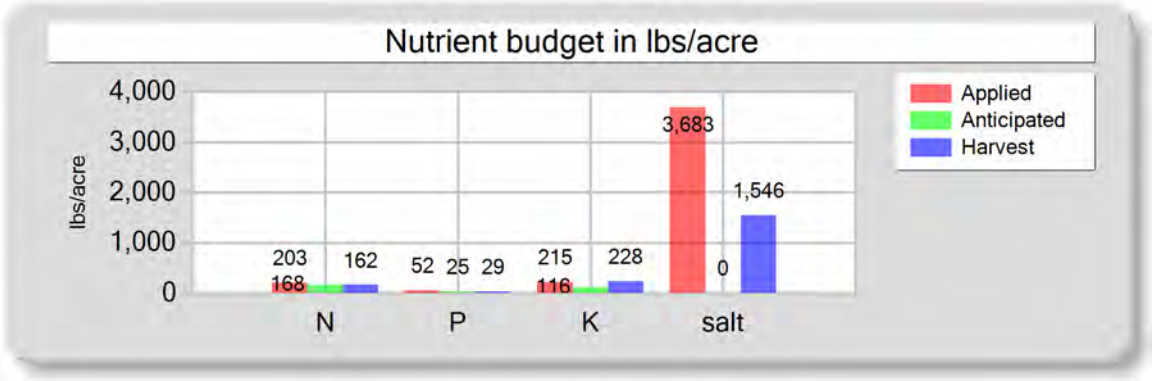
Process wastewater applied	
4,500,000.00	*gallons*
165.72	*acre-inches*
3.68	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M102 - 11/07/2022: Wheat, silage, soft dough

Field name: M102 Crop: Wheat, silage, soft dough Plant date: 11/07/2022



	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	187.73	51.88	215.12	1,704.03
Fresh water	8.48	0.00	0.00	1,979.06
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	203.22	51.88	215.12	3,683.09
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	161.60	28.86	227.97	1,546.17
Nutrient balance	41.62	23.02	-12.85	2,136.92
Applied to removed ratio	1.26	1.80	0.94	2.38

Fresh water applied	
41,022,000.00	*gallons*
1,510.70	*acre-inches*
14.39	*inches/acre*

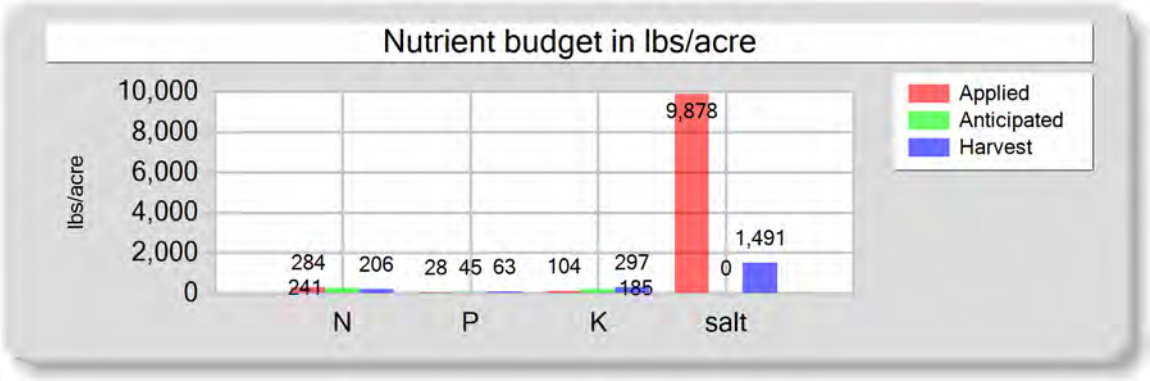
Process wastewater applied	
14,310,000.00	*gallons*
526.99	*acre-inches*
5.02	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M102 - 06/06/2023: Corn, silage

Field name: M102 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	234.05	27.59	104.30	4,569.53
Fresh water	22.75	0.00	0.00	5,308.61
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	283.80	27.59	104.30	9,878.14
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	205.65	62.84	297.04	1,490.93
Nutrient balance	78.15	-35.25	-192.75	8,387.21
Applied to removed ratio	1.38	0.44	0.35	6.63

Fresh water applied	
110,037,000.00	*gallons*
4,052.29	*acre-inches*
38.59	*inches/acre*

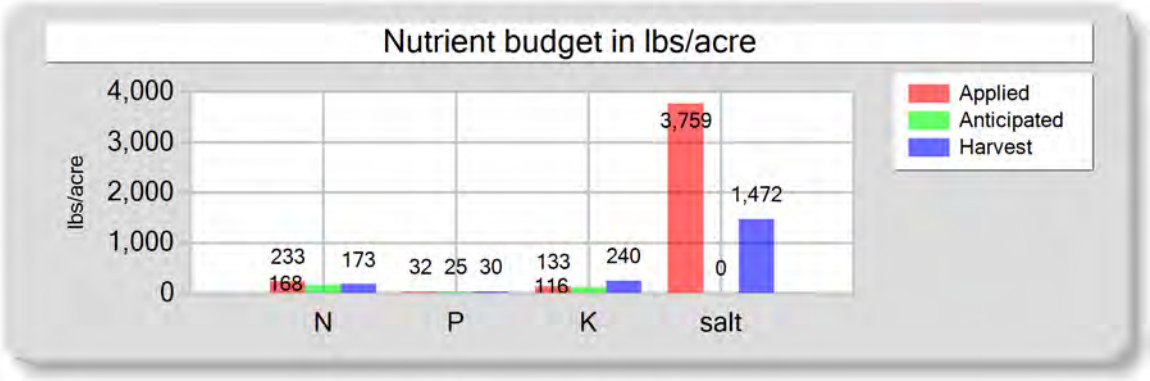
Process wastewater applied	
16,110,000.00	*gallons*
593.28	*acre-inches*
5.65	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M103 - 11/01/2022: Wheat, silage, soft dough

Field name: M103 Crop: Wheat, silage, soft dough Plant date: 11/01/2022



	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	182.85	32.38	133.16	911.65
Fresh water	42.66	0.00	0.00	2,847.37
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	232.50	32.38	133.16	3,759.02
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	172.75	30.49	240.49	1,471.75
Nutrient balance	59.75	1.90	-107.33	2,287.27
Applied to removed ratio	1.35	1.06	0.55	2.55

Fresh water applied	
19,557,000.00	*gallons*
720.22	*acre-inches*
15.32	*inches/acre*

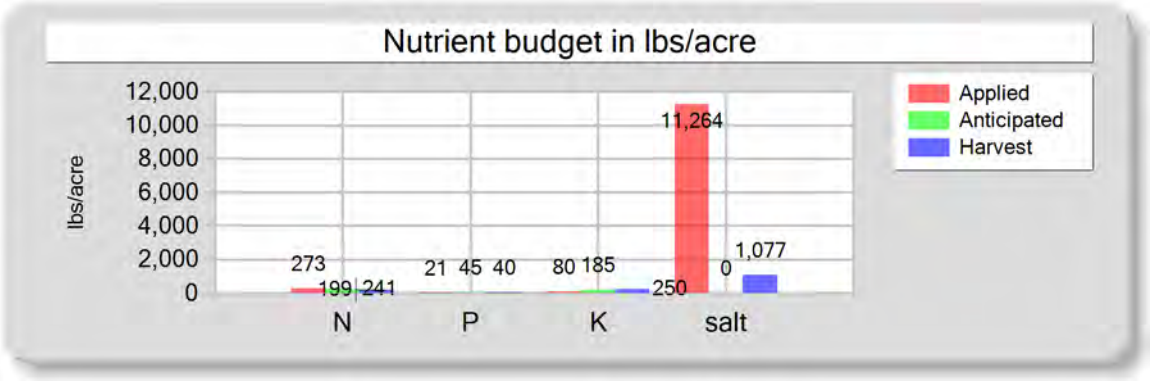
Process wastewater applied	
4,590,000.00	*gallons*
169.03	*acre-inches*
3.60	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M103 - 06/09/2023: Corn, silage

Field name: M103 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	180.17	21.06	80.43	4,009.33
Fresh water	66.19	0.00	0.00	7,254.93
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	273.35	21.06	80.43	11,264.26
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	198.68	39.74	249.77	1,077.42
Nutrient balance	74.67	-18.68	-169.34	10,186.84
Applied to removed ratio	1.38	0.53	0.32	10.45

Fresh water applied	
49,830,000.00	*gallons*
1,835.07	*acre-inches*
39.04	*inches/acre*

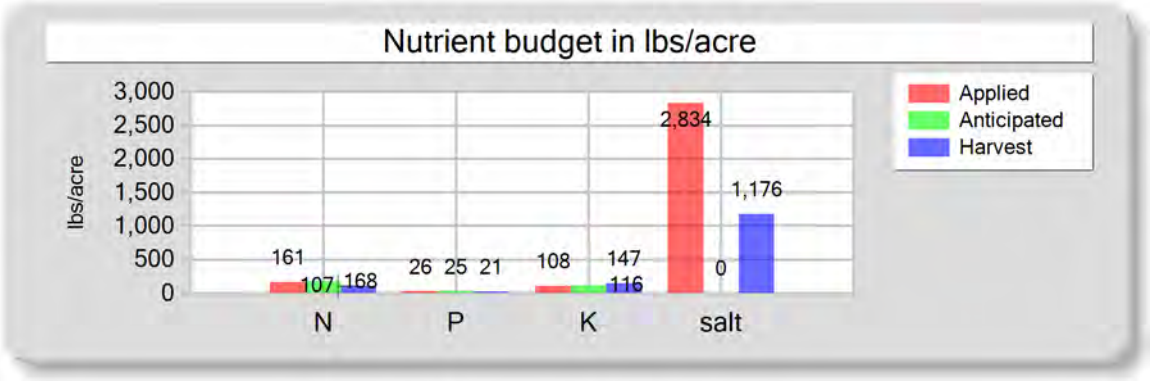
Process wastewater applied	
5,895,000.00	*gallons*
217.09	*acre-inches*
4.62	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M104 - 11/07/2022: Wheat, silage, soft dough

Field name: M104 Crop: Wheat, silage, soft dough Plant date: 11/07/2022



	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	150.66	26.42	108.28	739.00
Fresh water	2.91	0.00	0.00	2,094.60
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	160.56	26.42	108.28	2,833.60
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	106.81	20.94	146.60	1,176.31
Nutrient balance	53.75	5.47	-38.33	1,657.29
Applied to removed ratio	1.50	1.26	0.74	2.41

Fresh water applied	
18,476,400.00	*gallons*
680.42	*acre-inches*
12.84	*inches/acre*

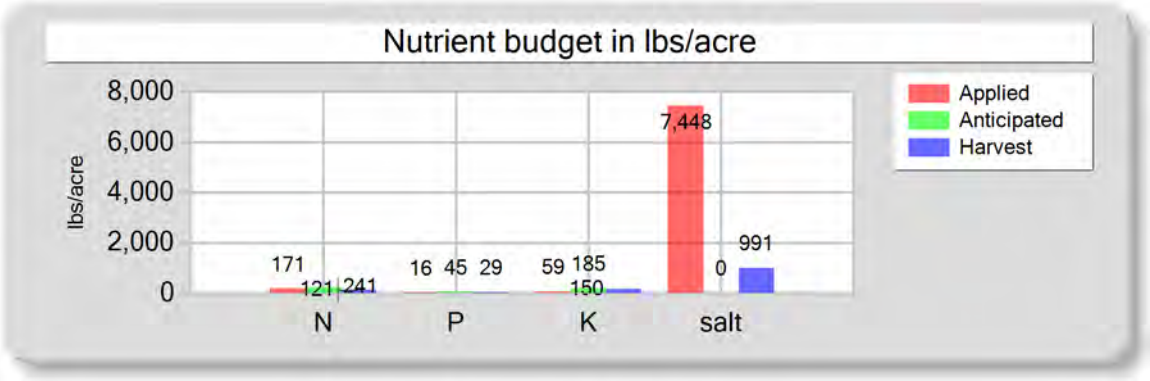
Process wastewater applied	
4,230,000.00	*gallons*
155.78	*acre-inches*
2.94	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M104 - 06/08/2023: Corn, silage

Field name: M104 Crop: Corn, silage Plant date: 06/08/2023



	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	132.25	15.57	58.95	2,632.78
Fresh water	11.91	0.00	0.00	4,814.83
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	171.17	15.57	58.95	7,447.62
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	120.63	29.34	149.98	991.15
Nutrient balance	50.53	-13.77	-91.03	6,456.46
Applied to removed ratio	1.42	0.53	0.39	7.51

Fresh water applied	
52,088,400.00	*gallons*
1,918.24	*acre-inches*
36.19	*inches/acre*

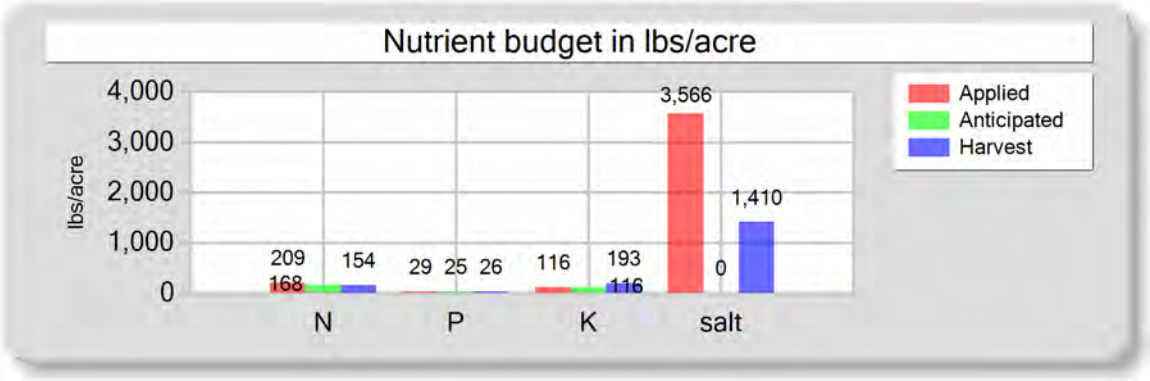
Process wastewater applied	
4,635,000.00	*gallons*
170.69	*acre-inches*
3.22	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M105 - 11/07/2022: Wheat, silage, soft dough

Field name: M105 Crop: Wheat, silage, soft dough Plant date: 11/07/2022



	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	175.21	28.81	115.53	771.66
Fresh water	27.01	0.00	0.00	2,794.09
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	209.22	28.81	115.53	3,565.75
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	154.49	25.75	193.12	1,409.81
Nutrient balance	54.73	3.06	-77.58	2,155.94
Applied to removed ratio	1.35	1.12	0.60	2.53

Fresh water applied	
19,191,000.00	*gallons*
706.74	*acre-inches*
15.04	*inches/acre*

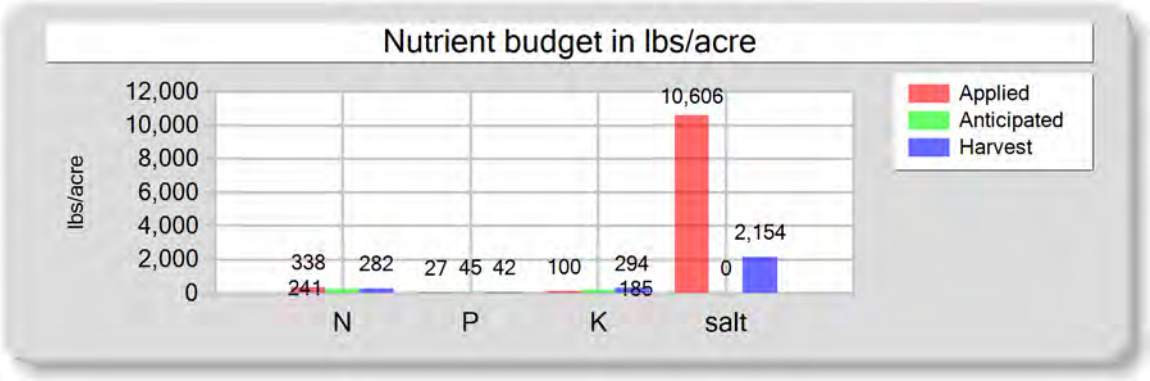
Process wastewater applied	
4,140,000.00	*gallons*
152.46	*acre-inches*
3.24	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M105 - 06/10/2023: Corn, silage

Field name: M105 Crop: Corn, silage Plant date: 06/10/2023



	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	224.64	26.62	100.00	4,012.13
Fresh water	86.82	0.00	0.00	6,593.64
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	338.47	26.62	100.00	10,605.77
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	281.60	41.94	293.58	2,153.64
Nutrient balance	56.87	-15.32	-193.59	8,452.13
Applied to removed ratio	1.20	0.63	0.34	4.92

Fresh water applied	
45,288,000.00	*gallons*
1,667.80	*acre-inches*
35.49	*inches/acre*

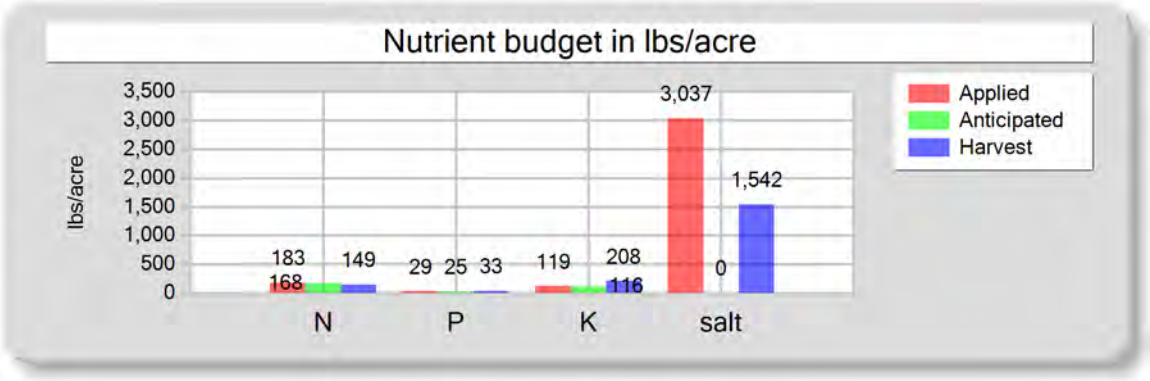
Process wastewater applied	
6,660,000.00	*gallons*
245.27	*acre-inches*
5.22	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M106 - 11/07/2022: Wheat, silage, soft dough

Field name: M106 Crop: Wheat, silage, soft dough Plant date: 11/07/2022



	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	173.09	29.34	118.91	802.68
Fresh water	3.10	0.00	0.00	2,234.48
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	183.20	29.34	118.91	3,037.17
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	148.74	32.72	208.24	1,542.15
Nutrient balance	34.46	-3.38	-89.32	1,495.02
Applied to removed ratio	1.23	0.90	0.57	1.97

Fresh water applied	
20,826,000.00	*gallons*
766.95	*acre-inches*
13.70	*inches/acre*

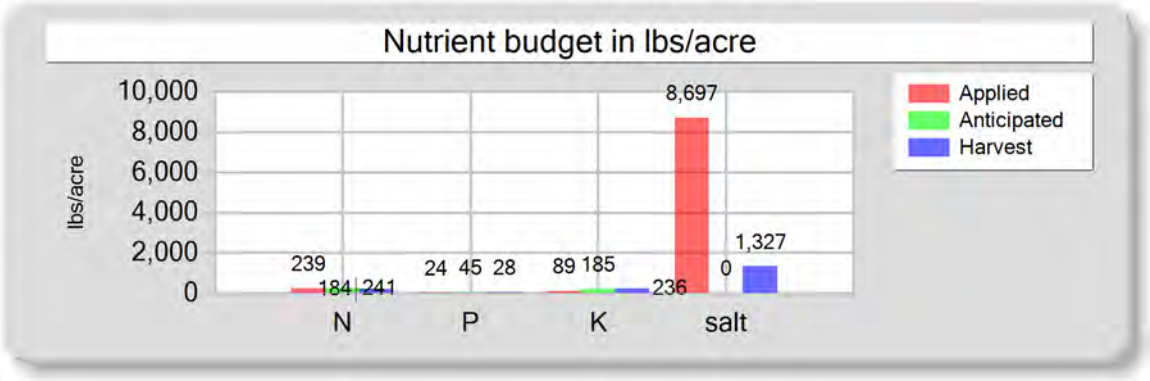
Process wastewater applied	
4,995,000.00	*gallons*
183.95	*acre-inches*
3.28	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M106 - 06/10/2023: Corn, silage

Field name: M106 Crop: Corn, silage Plant date: 06/10/2023



	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	199.82	23.54	89.06	3,954.61
Fresh water	11.73	0.00	0.00	4,742.68
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	238.55	23.54	89.06	8,697.29
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	183.86	28.29	235.71	1,326.60
Nutrient balance	54.70	-4.75	-146.65	7,370.69
Applied to removed ratio	1.30	0.83	0.38	6.56

Fresh water applied	
54,207,800.00	*gallons*
1,996.29	*acre-inches*
35.65	*inches/acre*

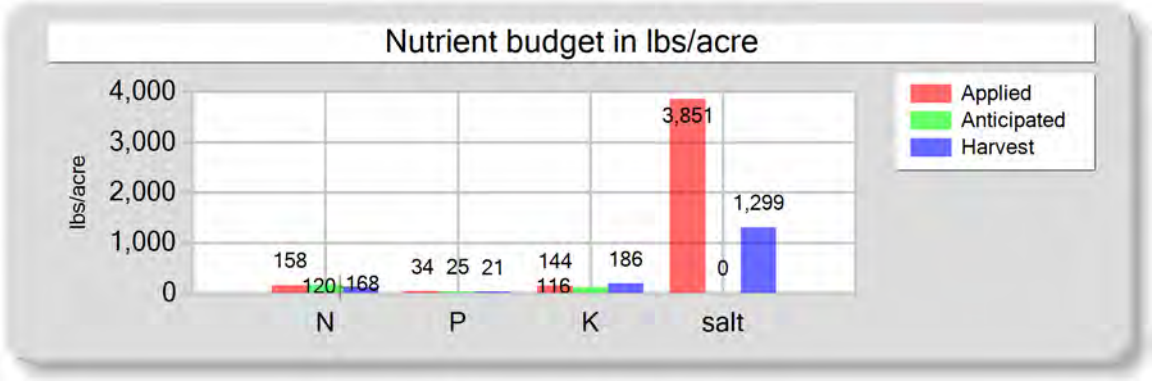
Process wastewater applied	
7,380,000.00	*gallons*
271.78	*acre-inches*
4.85	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M107 - 11/01/2022: Wheat, silage, soft dough

Field name: M107 Crop: Wheat, silage, soft dough Plant date: 11/01/2022



	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	125.60	34.46	143.51	1,132.13
Fresh water	24.95	0.00	0.00	2,719.16
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	157.55	34.46	143.51	3,851.29
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	120.00	21.00	186.00	1,299.30
Nutrient balance	37.55	13.46	-42.49	2,551.99
Applied to removed ratio	1.31	1.64	0.77	2.96

Fresh water applied	
18,279,000.00	*gallons*
673.15	*acre-inches*
14.63	*inches/acre*

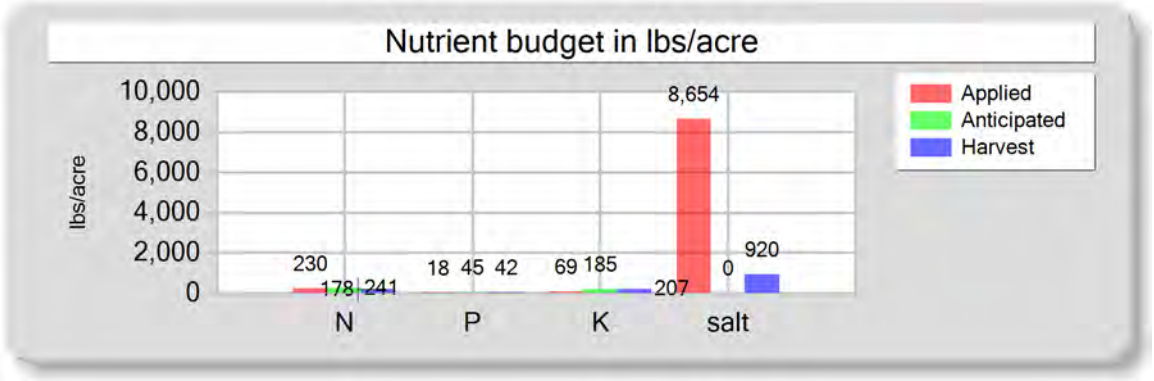
Process wastewater applied	
4,185,000.00	*gallons*
154.12	*acre-inches*
3.35	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M107 - 06/05/2023: Corn, silage

Field name: M107 Crop: Corn, silage Plant date: 06/05/2023



	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	155.85	18.36	69.46	3,080.49
Fresh water	47.12	0.00	0.00	5,573.45
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	229.97	18.36	69.46	8,653.94
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	178.43	42.26	206.61	920.35
Nutrient balance	51.53	-23.90	-137.15	7,733.59
Applied to removed ratio	1.29	0.43	0.34	9.40

Fresh water applied	
49,400,400.00	*gallons*
1,819.25	*acre-inches*
39.55	*inches/acre*

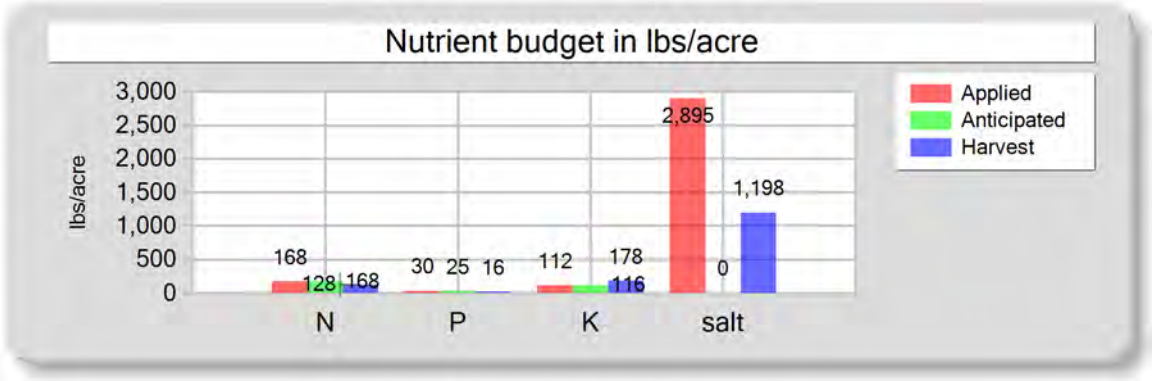
Process wastewater applied	
4,725,500.00	*gallons*
174.02	*acre-inches*
3.78	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M108 - 11/16/2022: Wheat, silage, soft dough

Field name: M108 Crop: Wheat, silage, soft dough Plant date: 11/16/2022



	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	157.41	29.71	111.56	819.33
Fresh water	3.49	0.00	0.00	2,075.44
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	167.90	29.71	111.56	2,894.77
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	127.64	15.95	178.16	1,197.92
Nutrient balance	40.27	13.75	-66.60	1,696.85
Applied to removed ratio	1.32	1.86	0.63	2.42

Fresh water applied	
18,414,900.00	*gallons*
678.16	*acre-inches*
15.41	*inches/acre*

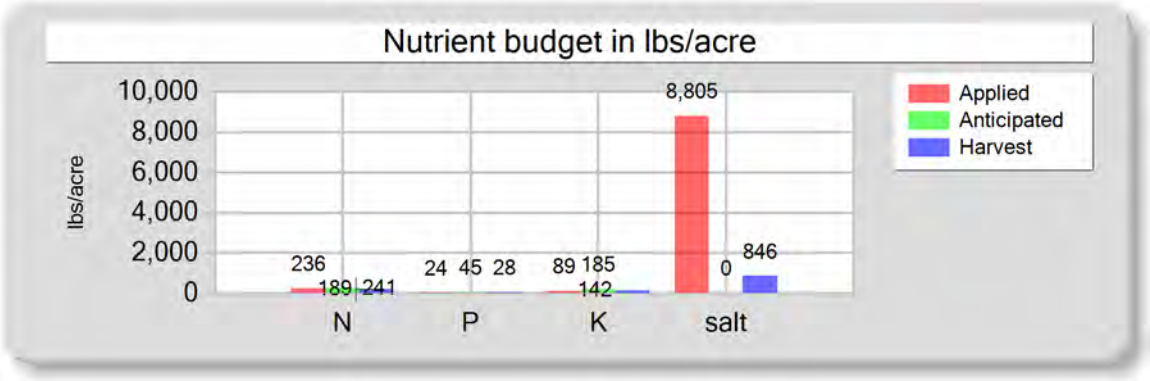
Process wastewater applied	
3,645,000.00	*gallons*
134.23	*acre-inches*
3.05	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M108 - 06/21/2023: Corn, silage

Field name: M108 Crop: Corn, silage Plant date: 06/21/2023



	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	199.85	23.69	88.95	3,551.36
Fresh water	8.84	0.00	0.00	5,254.05
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	235.69	23.69	88.95	8,805.40
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	189.09	28.36	141.82	846.18
Nutrient balance	46.60	-4.68	-52.86	7,959.22
Applied to removed ratio	1.25	0.84	0.63	10.41

Fresh water applied	
46,617,900.00	*gallons*
1,716.78	*acre-inches*
39.02	*inches/acre*

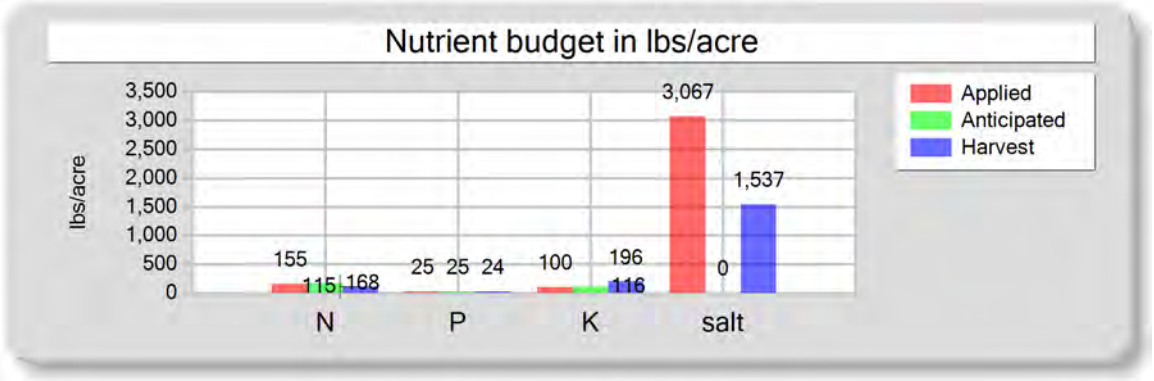
Process wastewater applied	
5,535,000.00	*gallons*
203.84	*acre-inches*
4.63	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M109 - 11/07/2022: Wheat, silage, soft dough

Field name: M109 Crop: Wheat, silage, soft dough Plant date: 11/07/2022



	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	144.86	24.70	100.29	678.31
Fresh water	3.32	0.00	0.00	2,388.54
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	155.17	24.70	100.29	3,066.85
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	114.67	23.89	195.89	1,537.25
Nutrient balance	40.51	0.81	-95.60	1,529.60
Applied to removed ratio	1.35	1.03	0.51	2.00

Fresh water applied	
21,466,800.00	*gallons*
790.55	*acre-inches*
14.64	*inches/acre*

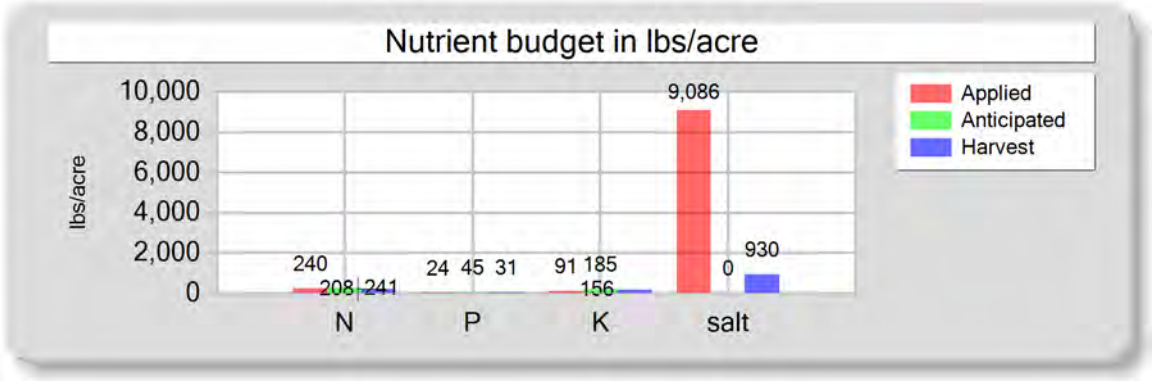
Process wastewater applied	
4,050,000.00	*gallons*
149.15	*acre-inches*
2.76	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M109 - 06/22/2023: Corn, silage

Field name: M109 Crop: Corn, silage Plant date: 06/22/2023



	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	203.75	24.11	90.72	3,738.28
Fresh water	9.00	0.00	0.00	5,347.53
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	239.75	24.11	90.72	9,085.82
Anticipated crop nutrient removal	240.80	44.80	184.80	0.00
Actual crop nutrient removal	208.30	31.24	156.22	929.52
Nutrient balance	31.45	-7.14	-65.50	8,156.29
Applied to removed ratio	1.15	0.77	0.58	9.77

Fresh water applied	
58,230,900.00	*gallons*
2,144.45	*acre-inches*
39.71	*inches/acre*

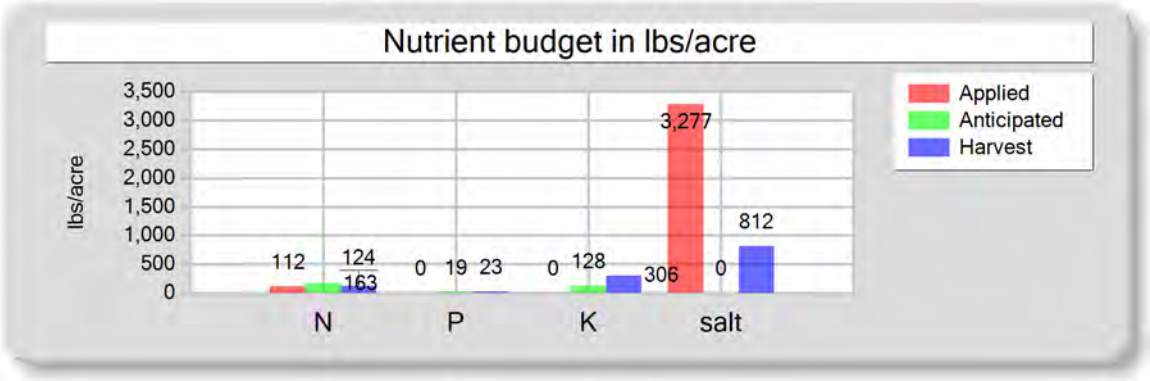
Process wastewater applied	
7,020,000.00	*gallons*
258.52	*acre-inches*
4.79	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M110 - 02/06/2012: Almond, in shell

Field name: M110 Crop: Almond, in shell Plant date: 02/06/2012



	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	80.00	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	17.57	0.00	0.00	3,276.55
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	111.57	0.00	0.00	3,276.55
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	124.00	23.01	305.52	812.31
Nutrient balance	-12.43	-23.01	-305.52	2,464.24
Applied to removed ratio	0.90	0.00	0.00	4.03

Fresh water applied	
63,732,300.00	*gallons*
2,347.04	*acre-inches*
41.91	*inches/acre*

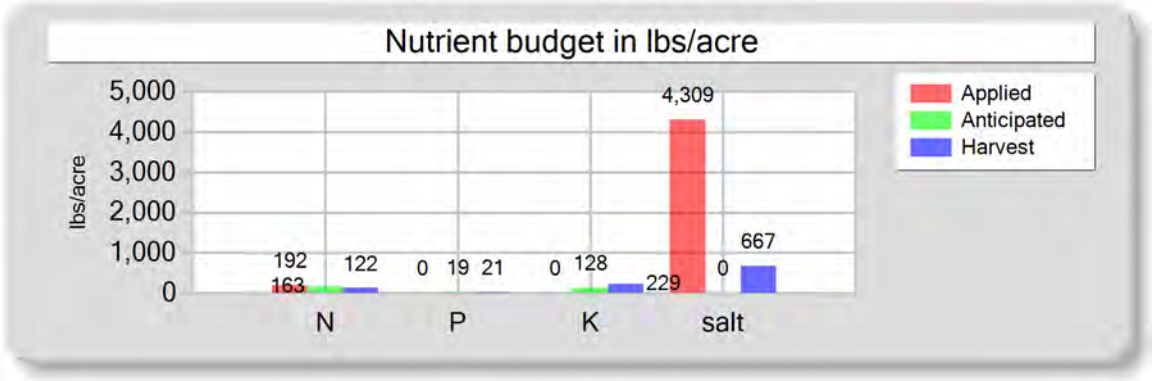
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M201 - 01/01/2017: Almond, in shell

Field name: M201 Crop: Almond, in shell Plant date: 01/01/2017



	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	80.00	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	98.08	0.00	0.00	4,309.11
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	192.08	0.00	0.00	4,309.11
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	121.95	20.99	228.91	667.24
Nutrient balance	70.12	-20.99	-228.91	3,641.87
Applied to removed ratio	1.58	0.00	0.00	6.46

Fresh water applied	
50,148,000.00	*gallons*
1,846.78	*acre-inches*
36.21	*inches/acre*

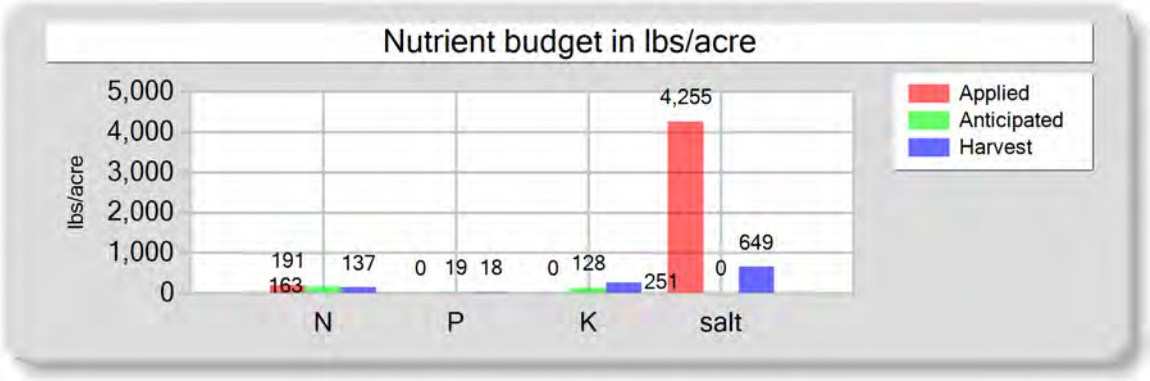
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M202 - 01/01/2016: Almond, in shell

Field name: M202 Crop: Almond, in shell Plant date: 01/01/2016



	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	80.00	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	96.84	0.00	0.00	4,254.97
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	190.84	0.00	0.00	4,254.97
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	136.60	17.69	250.60	649.42
Nutrient balance	54.24	-17.69	-250.60	3,605.55
Applied to removed ratio	1.40	0.00	0.00	6.55

Fresh water applied	
49,518,000.00	*gallons*
1,823.58	*acre-inches*
35.76	*inches/acre*

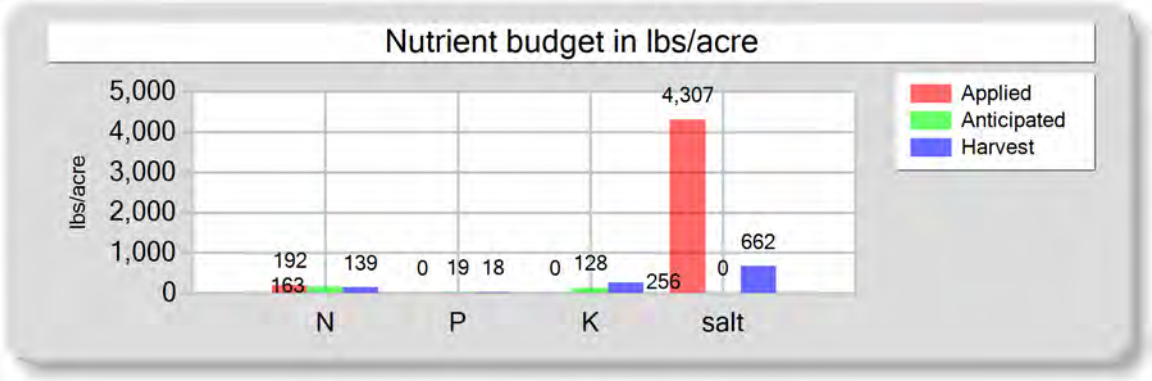
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M203 - 01/01/2016: Almond, in shell

Field name: M203 Crop: Almond, in shell Plant date: 01/01/2016



	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	80.00	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	98.03	0.00	0.00	4,306.94
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	192.03	0.00	0.00	4,306.94
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	139.33	18.04	255.61	662.41
Nutrient balance	52.69	-18.04	-255.61	3,644.54
Applied to removed ratio	1.38	0.00	0.00	6.50

Fresh water applied	
49,140,000.00	*gallons*
1,809.66	*acre-inches*
36.19	*inches/acre*

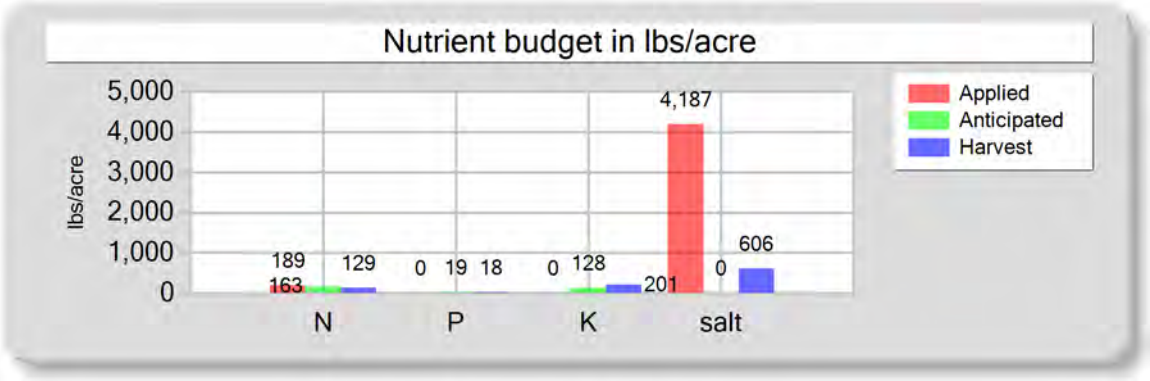
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M204 - 01/01/2014: Almond, in shell

Field name: M204 Crop: Almond, in shell Plant date: 01/01/2014



	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	80.00	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	95.30	0.00	0.00	4,187.30
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	189.30	0.00	0.00	4,187.30
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	128.79	17.70	200.56	605.77
Nutrient balance	60.51	-17.70	-200.56	3,581.53
Applied to removed ratio	1.47	0.00	0.00	6.91

Fresh water applied	
45,864,000.00	*gallons*
1,689.02	*acre-inches*
35.19	*inches/acre*

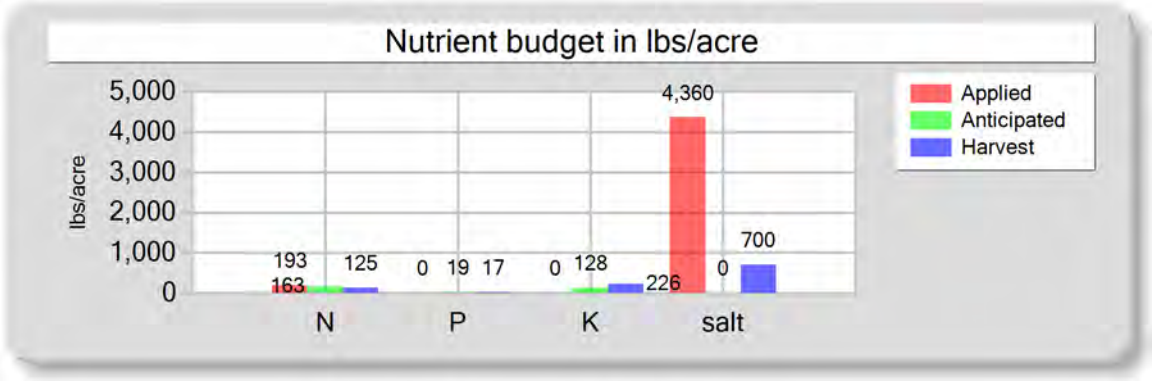
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M205 - 01/01/2020: Almond, in shell

Field name: M205 Crop: Almond, in shell Plant date: 01/01/2020



	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	80.00	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	99.23	0.00	0.00	4,359.86
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	193.23	0.00	0.00	4,359.86
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	124.68	16.82	225.61	699.63
Nutrient balance	68.55	-16.82	-225.61	3,660.23
Applied to removed ratio	1.55	0.00	0.00	6.23

Fresh water applied	
47,754,000.00	*gallons*
1,758.62	*acre-inches*
36.64	*inches/acre*

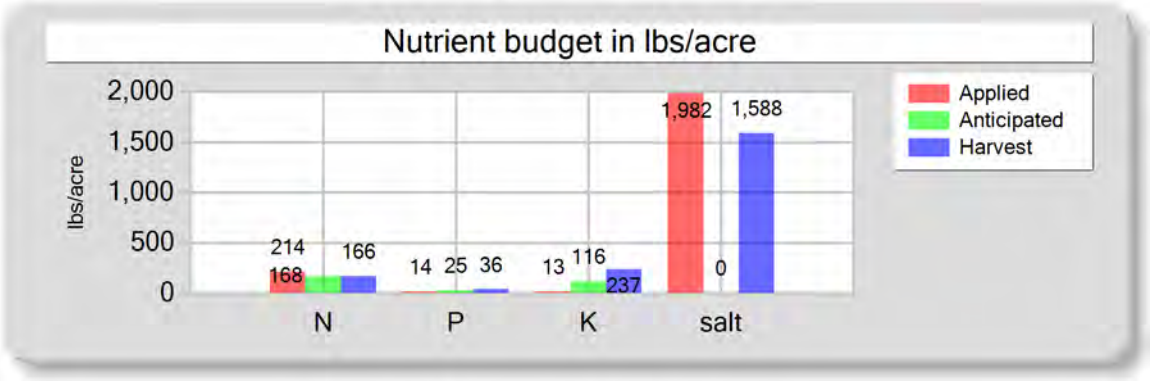
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M206 - 11/09/2022: Wheat, silage, soft dough

Field name: M206 Crop: Wheat, silage, soft dough Plant date: 11/09/2022



	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	156.47	14.44	12.84	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	43.18	0.00	0.00	1,981.73
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	213.65	14.44	12.84	1,981.73
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	166.20	35.61	237.43	1,587.93
Nutrient balance	47.45	-21.17	-224.59	393.80
Applied to removed ratio	1.29	0.41	0.05	1.25

Fresh water applied	
18,740,400.00	*gallons*
690.15	*acre-inches*
14.38	*inches/acre*

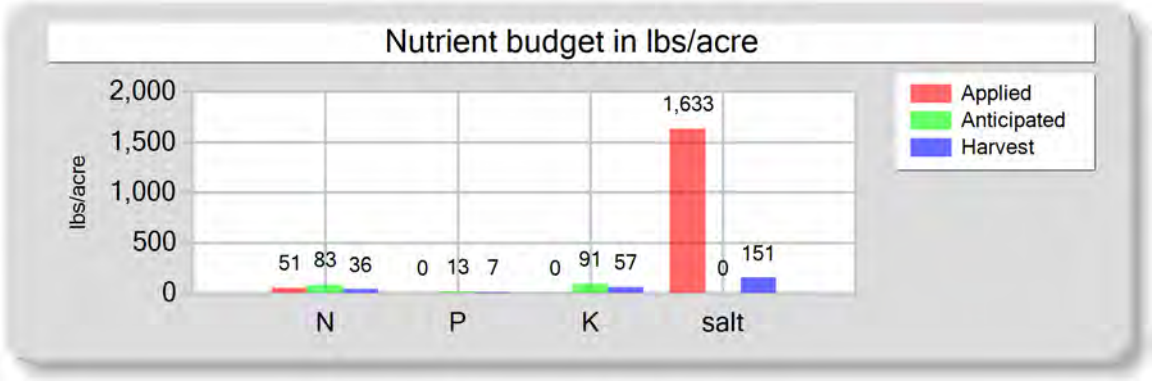
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M207 - 01/01/2007: Grape

Field name: M207 Crop: Grape Plant 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	30.00	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	6.59	0.00	0.00	1,633.28
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	50.59	0.00	0.00	1,633.28
Anticipated crop nutrient removal	83.00	13.00	91.00	0.00
Actual crop nutrient removal	36.34	6.92	57.10	150.55
Nutrient balance	14.25	-6.92	-57.10	1,482.73
Applied to removed ratio	1.39	0.00	0.00	10.85

Fresh water applied	
37,092,000.00	*gallons*
1,365.97	*acre-inches*
29.06	*inches/acre*

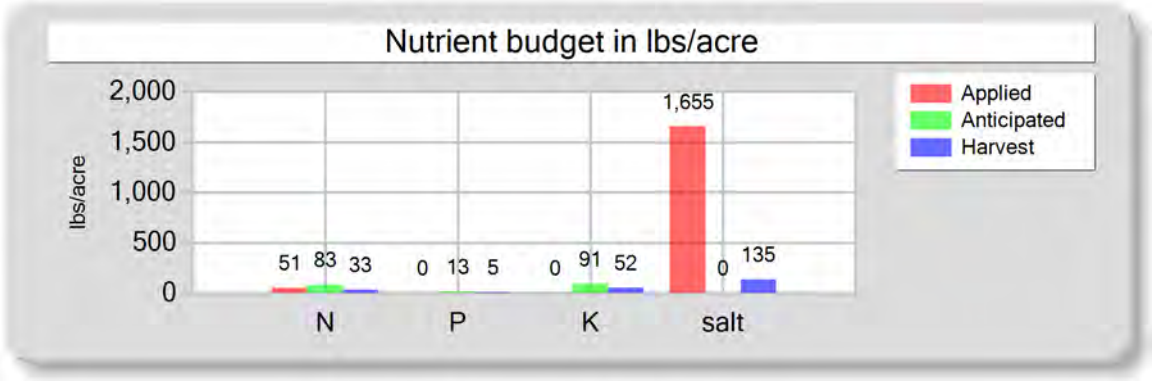
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M208 - 01/01/2007: Grape

Field name: M208 Crop: Grape Plant 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	30.00	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	6.68	0.00	0.00	1,655.48
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	50.68	0.00	0.00	1,655.48
Anticipated crop nutrient removal	83.00	13.00	91.00	0.00
Actual crop nutrient removal	32.67	5.16	51.59	135.12
Nutrient balance	18.00	-5.16	-51.59	1,520.36
Applied to removed ratio	1.55	0.00	0.00	12.25

Fresh water applied	
39,996,000.00	*gallons*
1,472.92	*acre-inches*
29.46	*inches/acre*

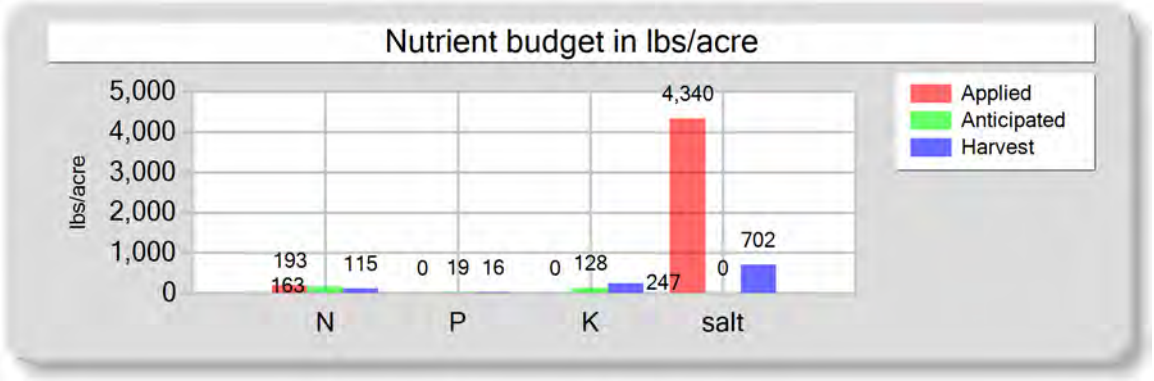
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M209 - 01/01/2020: Almond, in shell

Field name: M209 Crop: Almond, in shell Plant date: 01/01/2020



	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	80.00	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	98.78	0.00	0.00	4,340.07
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	192.78	0.00	0.00	4,340.07
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	115.29	15.77	247.33	701.58
Nutrient balance	77.49	-15.77	-247.33	3,638.50
Applied to removed ratio	1.67	0.00	0.00	6.19

Fresh water applied	
49,518,000.00	*gallons*
1,823.58	*acre-inches*
36.47	*inches/acre*

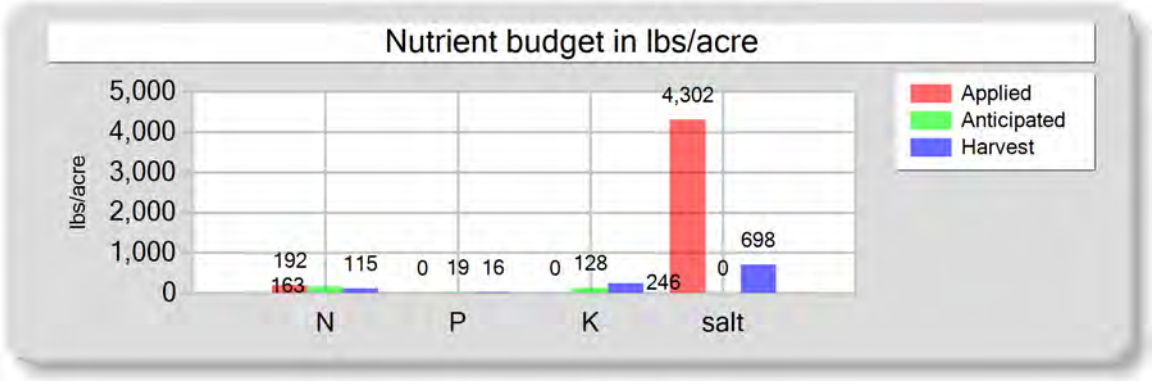
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M210 - 01/01/2015: Almond, in shell

Field name: M210 Crop: Almond, in shell Plant date: 01/01/2015



	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	80.00	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	97.92	0.00	0.00	4,302.34
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	191.92	0.00	0.00	4,302.34
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	114.68	15.68	246.03	697.91
Nutrient balance	77.24	-15.68	-246.03	3,604.43
Applied to removed ratio	1.67	0.00	0.00	6.16

Fresh water applied	
47,124,000.00	*gallons*
1,735.42	*acre-inches*
36.15	*inches/acre*

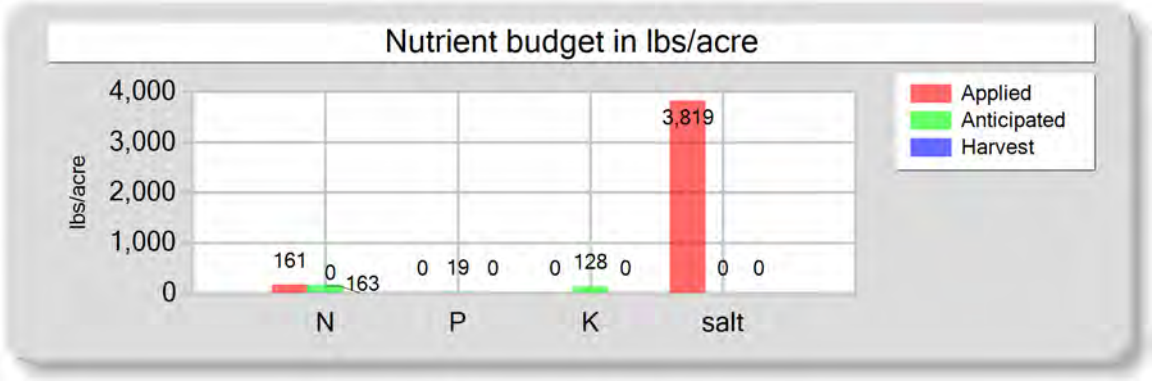
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M211 - 01/01/2021: Almond, in shell

Field name: M211 Crop: Almond, in shell Plant date: 01/01/2021



	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	86.93	0.00	0.00	3,819.19
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	160.93	0.00	0.00	3,819.19
Anticipated crop nutrient removal	162.80	19.20	127.60	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	160.93	0.00	0.00	3,819.19
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied	
41,832,000.00	*gallons*
1,540.53	*acre-inches*
32.09	*inches/acre*

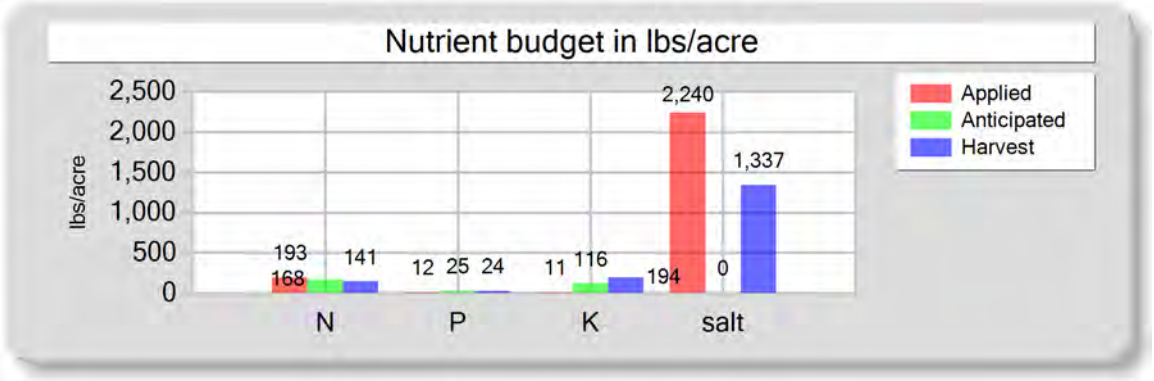
Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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

M212 - 11/09/2022: Wheat, silage, soft dough

Field name: M212 Crop: Wheat, silage, soft dough Plant date: 11/09/2022



	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	130.26	12.02	10.69	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	48.80	0.00	0.00	2,239.64
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	193.06	12.02	10.69	2,239.64
Anticipated crop nutrient removal	168.00	25.20	116.20	0.00
Actual crop nutrient removal	141.08	23.51	193.99	1,337.36
Nutrient balance	51.97	-11.49	-183.30	902.28
Applied to removed ratio	1.37	0.51	0.06	1.67

Fresh water applied	
18,973,200.00	*gallons*
698.72	*acre-inches*
16.25	*inches/acre*

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

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Separator Solids

Sample and source description: Separator Solids

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

Moisture: 72.8 %

	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	19,500.00	1,800.00	1,600.00							
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: 26.9 %

	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	22,100.00	6,100.00	21,200.00	17,000.00	10,400.00	4,000.00	3,700.00	3,000.00		46.10
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	1,000.00		0.01

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: 40.1 %

	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	21,800.00	10,100.00	37,000.00							
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: 65.0 %

	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	16,200.00	2,600.00	11,000.00	16,900.00	7,500.00	1,100.00	3,000.00	3,000.00		27.60
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: 38.3 %

	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	19,900.00	7,400.00	25,100.00							
DL	100.00	100.00	100.00							

Drying Solids

Sample and source description: Drying Solids

Sample date: 10/02/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 26.1 %

	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	17,200.00	7,600.00	27,200.00							
DL	100.00	100.00	100.00							

Separator Solids

Sample and source description: Separator Solids

Sample date: 10/02/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.0 %

	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	17,200.00	3,800.00	13,800.00							
DL	100.00	100.00	100.00							

B. PROCESS WASTEWATER ANALYSES

4th Q WW

Sample and source description: 4th Q WW

Sample date: 10/18/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.00

	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 (µmhos/cm)	TDS (mg/L)
Value	170.00	61.50	0.00	1.20	41.80	187.00								2,310.00	1,380
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 1st Q East Side WWS South

Sample and source description: WW 1st Q East Side WWS South

Sample date: 02/13/2023 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 (µmhos/cm)	TDS (mg/L)
Value	159.00	70.50	0.00	0.80	48.90	191.00								2,420.00	1,600
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 2nd Q East Side WWS South

Sample and source description: WW 2nd Q East Side 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 (µmhos/cm)	TDS (mg/L)
Value	297.00	56.20	0.00	0.30	36.90	131.00								1,690.00	760
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW 3rd Q - East Side WWS South

Sample and source description: WW 3rd Q - East Side WWS South

Sample date: 09/05/2023 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 (µmhos/cm)	TDS (mg/L)
Value	126.00	21.10	0.00	0.50	14.00	57.10	82.40	38.20	110.00	411.00	0.00	16.60	127.00	1,100.00	4,950
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 East Side of WWS South

Sample and source description: WW 4TH Q East Side of WWS South

Sample date: 10/23/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.30

	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 (µmhos/cm)	TDS (mg/L)
Value	81.10	46.30	0.00	0.20	23.40	106.00								1,590.00	1,200
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

C. FRESH WATER ANALYSES

MTD 10

MTD 10

MTD IW #10

Sample description: MTD IW #10

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	2.30	0.00	2.30	39.50	11.80	50.00	159.00	0.00	9.00	48.80	468.00	338
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 113

MTD IW #113

Sample description: MTD IW #113

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	0.00	0.50	56.10	17.00	180.00	284.00	0.00	3.20	195.00	1,100.00	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

MTD 114

MTD IW #114

Sample description: MTD IW #114

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	2.84	0.00	2.80	82.00	26.10	182.00	298.00	0.00	6.20	248.00	1,300.00	820
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	100.00	10

MTD 126

MTD 126

MTD #126

Sample description: MTD #126

Sample 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	33.70	0.00	24.70	169.00	61.00	107.00	481.00	0.00	51.70	134.00	1,550.00	960
DL	0.50	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 24

MTD #24

Sample description: MTD #24

Sample 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	28.20	0.00	27.80	168.00	53.70	102.00	628.00	0.00	55.50	141.00	1,550.00	1,000
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 25

MTD IW #25

Sample description: MTD IW #25

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	0.00	0.70	31.00	8.30	39.00	130.00	0.00	4.10	32.00	350.00	248
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 27

MTD 27

MTD IW #27

Sample description: MTD IW #27

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	29.30	0.00	29.30	187.00	58.50	104.00	495.00	0.00	56.30	133.00	1,520.00	1,080
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 5

MTD IW #5

Sample description: MTD IW #5

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	0.00	0.10	40.40	11.90	52.00	158.00	0.00	17.40	56.00	488.00	393
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 8

MTD IW #8

Sample description: MTD IW #8

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	0.00	0.40	28.10	9.20	91.00	212.00	0.00	3.00	53.00	537.00	367
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 9

MTD 9

MTD IW #9

Sample description: MTD IW #9

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	1.85	0.00	1.80	46.70	13.60	39.00	138.00	0.00	11.10	55.60	469.00	345
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

MTD 92

MTD IW #92

Sample description: MTD IW #92

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	20.10	0.00	19.20	132.00	40.90	78.00	369.00	0.00	38.10	97.60	1,130.00	820
DL	1.00	0.50	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

Popecreek Reservoir

MTD Reservoir Pope Creek

Sample description: MTD Reservoir Pope Creek

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	24.00		23.70								1,370.00	830
DL	1.00		0.10								10.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

M101 - 11/01/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/18/2023 Source of analysis: Other/estimated Method of reporting: As-is

Moisture: 51.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	1,000.00	7,700.00		13.50
DL	100.00	100.00	100.00		0.01

M101 - 06/07/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 72.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,400.00	700.00	3,600.00		8.10
DL	100.00	100.00	100.00		0.01

M102 - 11/07/2022: Wheat, silage, soft dough

M102 - 11/07/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/20/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 53.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,600.00	1,000.00	7,900.00		11.40
DL	100.00	100.00	100.00		0.01

M102 - 06/06/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 10/11/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 55.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,600.00	1,100.00	5,200.00		5.80
DL	100.00	100.00	100.00		0.01

M103 - 11/01/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/18/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	900.00	7,100.00		11.00
DL	100.00	100.00	100.00		0.01

M103 - 06/09/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/21/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,500.00	700.00	4,400.00		6.50
DL	100.00	100.00	100.00		0.01

M104 - 11/07/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 59.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	1,000.00	7,000.00		13.80
DL	100.00	100.00	100.00		0.01

M104 - 06/08/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 09/19/2023 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	3,700.00	900.00	4,600.00		7.60
DL	100.00	100.00	100.00		0.01

M105 - 11/07/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/18/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	800.00	6,000.00		12.10
DL	100.00	100.00	100.00		0.01

M105 - 06/10/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 54.5 %

	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		7.90
DL	100.00	100.00	100.00		0.01

M106 - 11/07/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/20/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 52.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,100.00	7,000.00		10.80
DL	100.00	100.00	100.00		0.01

M106 - 06/10/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 59.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,900.00	600.00	5,000.00		7.00
DL	100.00	100.00	100.00		0.01

M107 - 11/01/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/18/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,000.00	700.00	6,200.00		12.20
DL	100.00	100.00	100.00		0.01

M107 - 06/05/2023: 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	3,800.00	900.00	4,400.00		4.90
DL	100.00	100.00	100.00		0.01

M108 - 11/16/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/20/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 57.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	600.00	6,700.00		10.60
DL	100.00	100.00	100.00		0.01

M108 - 06/21/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,000.00	600.00	3,000.00		5.00
DL	100.00	100.00	100.00		0.01

M109 - 11/07/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 45.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	1,000.00	8,200.00		11.70
DL	100.00	100.00	100.00		0.01

M109 - 06/22/2023: Corn, silage

Corn Silage

Sample and source description: Corn Silage

Sample date: 10/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,000.00	600.00	3,000.00		5.00
DL	100.00	100.00	100.00		0.01

M110 - 02/06/2012: 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: 10.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,700.00	1,800.00	23,900.00		7.10
DL	100.00	100.00	100.00		0.01

M201 - 01/01/2017: 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: 11.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	2,100.00	22,900.00		7.50
DL	100.00	100.00	100.00		0.01

M202 - 01/01/2016: 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: 10.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,900.00	1,800.00	25,500.00		7.40
DL	100.00	100.00	100.00		0.01

M203 - 01/01/2016: 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: 10.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,900.00	1,800.00	25,500.00		7.40
DL	100.00	100.00	100.00		0.01

M204 - 01/01/2014: 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: 10.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,100.00	1,800.00	20,400.00		6.90
DL	100.00	100.00	100.00		0.01

M205 - 01/01/2020: 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: 10.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,600.00	1,700.00	22,800.00		7.90
DL	100.00	100.00	100.00		0.01

M206 - 11/09/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,200.00	900.00	6,000.00		11.40
DL	100.00	100.00	100.00		0.01

M207 - 01/01/2007: Grape

Grapes

Sample and source description: Grapes

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	2,100.00	400.00	3,300.00		3.00
DL	100.00	100.00	100.00		0.01

M208 - 01/01/2007: Grape

Grapes

Sample and source description: Grapes

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	1,900.00	300.00	3,000.00		2.70
DL	100.00	100.00	100.00		0.01

M209 - 01/01/2020: 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: 11.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,700.00	1,600.00	25,100.00		8.00
DL	100.00	100.00	100.00		0.01

M210 - 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: 11.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,700.00	1,600.00	25,100.00		8.00
DL	100.00	100.00	100.00		0.01

M212 - 11/09/2022: Wheat, silage, soft dough

Winter Forage

Sample and source description: Winter Forage

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	800.00	6,600.00		12.50
DL	100.00	100.00	100.00		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

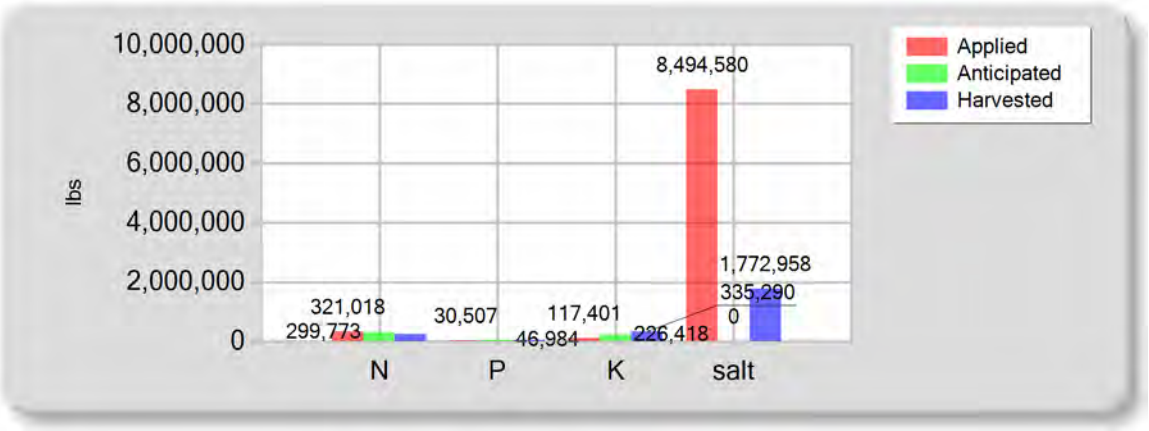
Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

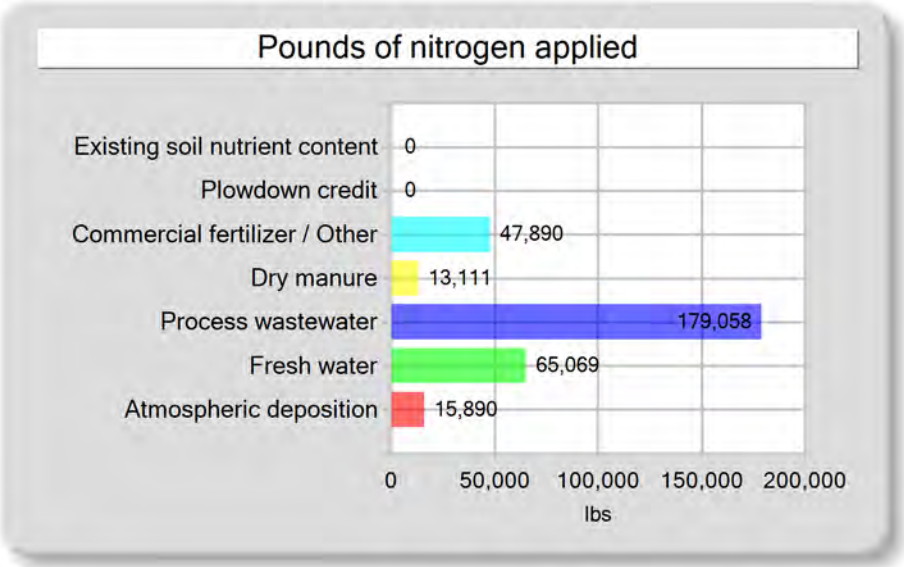
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

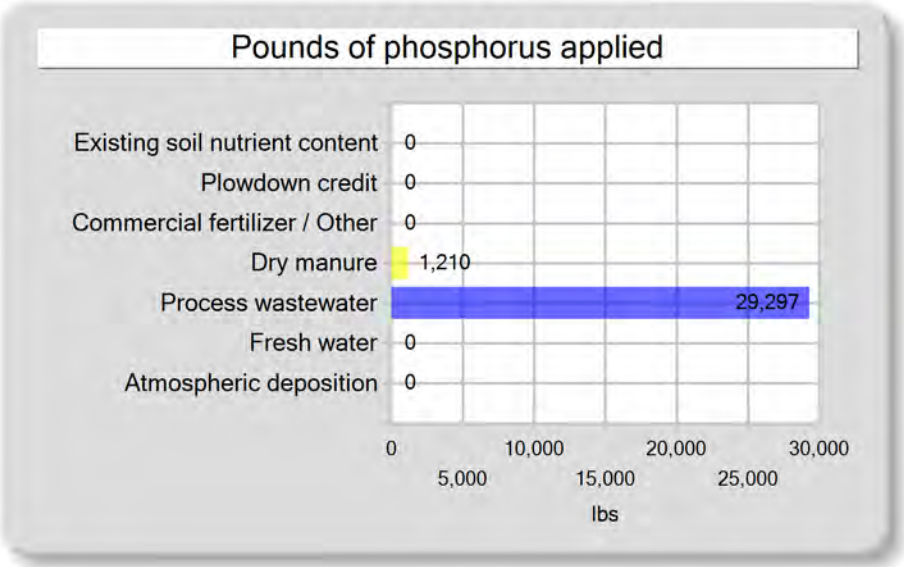
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	47,890.00	0.00	0.00	0.00
Dry manure	13,111.49	1,210.29	1,075.81	0.00
Process wastewater	179,057.83	29,297.20	116,325.08	2,405,622.54
Fresh water	65,068.55	0.00	0.00	6,088,957.15
Atmospheric deposition	15,890.00	0.00	0.00	0.00
Total nutrients applied	321,017.87	30,507.50	117,400.89	8,494,579.69
Anticipated crop nutrient removal	299,772.60	46,984.20	226,418.20	0.00
Actual crop nutrient removal	233,962.21	43,541.59	335,289.53	1,772,957.65
Nutrient balance	87,055.65	-13,034.09	-217,888.63	6,721,622.04
Applied to removed ratio	1.37	0.70	0.35	4.79

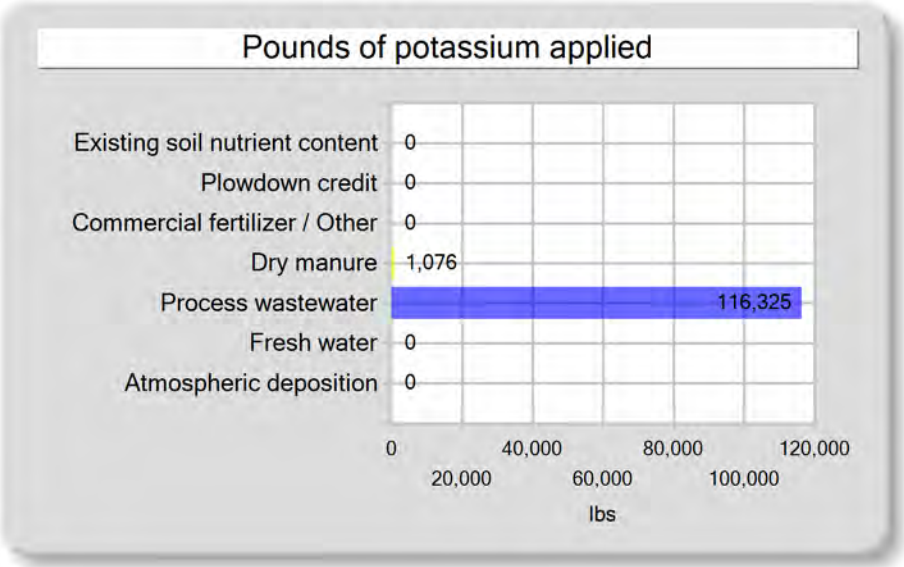
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

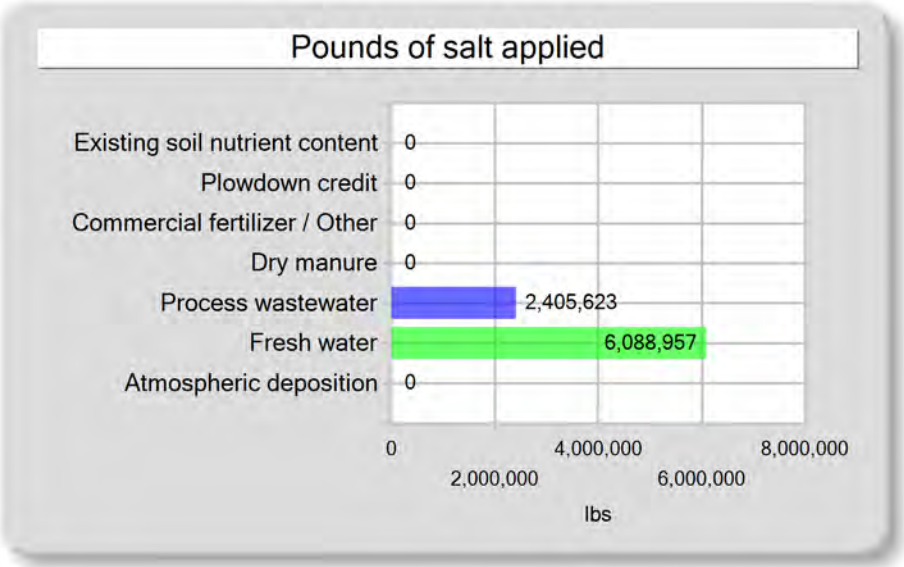


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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

ADDITIONAL NOTES

A. NOTES

Precipitation utilized during winter months to meet forage freshwater requirements.

Irrigation wells MTD 7, 18, and 26 were non-operational during 2023 and will be sampled once the wells become operational.

Fields M104 Winter Forage, M104 Corn, M201 Almonds, M204 Almonds, M205 Almonds, M208 Grapes, M209 Almonds & M210 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 M101 Corn, M109 Winter Forage, & M207 Grapes 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.

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 M110 Almonds, M201-205 Almonds, M207 Grapes, M208 Grapes, & M209-211 Almonds received no wastewater or solid manure in 2023. All nutrients applied to these fields were contributed through freshwater applications and commercial fertilizer only.

Field M211 Almonds are newly planted almonds and therefore had no production in 2023.

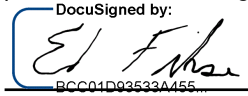
Fields M206 & M212 were fallow during the 2023 summer cropping season.

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:

BCC01D93533A455...

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Ed Fikse, Jr	SAME AS OWNER
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/13/2024	
DATE	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: Ed Fikse

Name of Dairy Facility: Milk Time Dairy

Facility Address:

12519 Road 17	Madera	Madera	93637
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Ed Fikse (559) 479-2618
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Richie Iest Farms, Inc.

Address of Hauling Company/Person:

14676 Avenue 14	Madera	CA	93637
Number and Street	City	State	Zip Code

Contact Person: Ed Fikse (559) 479-2618
Name Phone Number

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

Merged
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 06/13/2023

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: 2,675.00 tons

Manure Solids Content: 59.9 %

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:
BCC01D93533A455...

6/13/2024

Operator Signature — Date

DocuSigned by:
4D3BFD66FEE545A...

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: Ed Fikse

Name of Dairy Facility: Milk Time Dairy

Facility Address:

12519 Road 17	Madera	Madera	93637
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Ed Fikse (559) 479-2618
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Richie Iest Farms, Inc.

Address of Hauling Company/Person:

14676 Avenue 14	Madera	CA	93637
Number and Street	City	State	Zip Code

Contact Person: Ed Fikse (559) 479-2618
Name Phone Number

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

Merged
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 12/07/2023

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: 1,632.00 tons

Manure Solids Content: 73.9 %

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:
BCC01D93533A455...

6/13/2024

Operator Signature — Date

DocuSigned by:
4D3BED66FEF545A...

6/18/2024

Hauler Signature — Date

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1487-01	MTD IW #5	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:15
23H1487-02	MTD IW #8	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 11:53
23H1487-03	MTD IW #9	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 11:57
23H1487-04	MTD IW #10	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:18
23H1487-05	MTD IW #25	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:36
23H1487-06	MTD IW #27	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:44
23H1487-07	MTD IW #92	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:27
23H1487-08	MTD IW #113	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:10
23H1487-09	MTD IW #114	Ag Water	F & R Ag	Irrigation Wells	08/15/2023 12:23

Default Cooler Temperature on Receipt °C: -7.9
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.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results

Sample: MTD IW #5
23H1487-01 (Water)

Sampled: 8/15/2023 12:15
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**158**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**40.4**	mg/L	0.1	1		08/18/23 09:24	EPA 200.7		BEH0823
Chloride	**56.0**	mg/L	0.2	1	250	08/16/23 16:30	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**0.49**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**488**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**158**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**2.20**	mg/L	0.500	1		08/18/23 09:24	EPA 200.7		BEH0823
Magnesium	**11.9**	mg/L	0.1	1		08/18/23 09:24	EPA 200.7		BEH0823
Sodium	**52**	mg/L	1	1		08/18/23 09:24	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:15	Field		BEH1011
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/16/23 16:30	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**17.4**	mg/L	0.5	1	250	08/16/23 16:30	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**393**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:58	SM 4500-NH3 C		BEH0951
Total Nitrogen	ND	mg/L	1.00	1		08/21/23 13:58	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #8
23H1487-02 (Water)

Sampled: 8/15/2023 11:53
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**212**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**28.1**	mg/L	0.1	1		08/18/23 09:25	EPA 200.7		BEH0823
Chloride	**53.0**	mg/L	0.2	1	250	08/16/23 16:49	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**0.54**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**537**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**212**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**1.53**	mg/L	0.500	1		08/18/23 09:25	EPA 200.7		BEH0823
Magnesium	**9.2**	mg/L	0.1	1		08/18/23 09:25	EPA 200.7		BEH0823
Sodium	**91**	mg/L	1	1		08/18/23 09:25	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 11:53	Field		BEH1011
Nitrate Nitrogen as NO3N	**0.4**	mg/L	0.1	1	10	08/16/23 16:49	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**3.0**	mg/L	0.5	1	250	08/16/23 16:49	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**367**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:59	SM 4500-NH3 C		BEH0951
Total Nitrogen	ND	mg/L	1.00	1		08/21/23 13:59	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #9
23H1487-03 (Water)

Sampled: 8/15/2023 11:57
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**138**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**46.7**	mg/L	0.1	1		08/18/23 09:26	EPA 200.7		BEH0823
Chloride	**55.6**	mg/L	0.2	1	250	08/16/23 17:09	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**0.47**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**469**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**138**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**1.67**	mg/L	0.500	1		08/18/23 09:26	EPA 200.7		BEH0823
Magnesium	**13.6**	mg/L	0.1	1		08/18/23 09:26	EPA 200.7		BEH0823
Sodium	**39**	mg/L	1	1		08/18/23 09:26	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 11:57	Field		BEH1011
Nitrate Nitrogen as NO3N	**1.8**	mg/L	0.1	1	10	08/16/23 17:09	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**11.1**	mg/L	0.5	1	250	08/16/23 17:09	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**345**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:01	SM 4500-NH3 C		BEH0951
Total Nitrogen	**1.85**	mg/L	1.00	1		08/21/23 14:01	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #10
23H1487-04 (Water)

Sampled: 8/15/2023 12:18
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**159**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**39.5**	mg/L	0.1	1		08/18/23 09:28	EPA 200.7		BEH0823
Chloride	**48.8**	mg/L	0.2	1	250	08/16/23 17:29	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**0.47**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**468**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**159**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**1.28**	mg/L	0.500	1		08/18/23 09:28	EPA 200.7		BEH0823
Magnesium	**11.8**	mg/L	0.1	1		08/18/23 09:28	EPA 200.7		BEH0823
Sodium	**50**	mg/L	1	1		08/18/23 09:28	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:18	Field		BEH1011
Nitrate Nitrogen as NO3N	**2.3**	mg/L	0.1	1	10	08/16/23 17:29	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**9.0**	mg/L	0.5	1	250	08/16/23 17:29	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**338**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:01	SM 4500-NH3 C		BEH0951
Total Nitrogen	**2.26**	mg/L	1.00	1		08/21/23 14:01	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #25
23H1487-05 (Water)

Sampled: 8/15/2023 12:36
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**130**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**31.0**	mg/L	0.1	1		08/18/23 09:29	EPA 200.7		BEH0823
Chloride	**32.0**	mg/L	0.2	1	250	08/16/23 17:49	EPA 300.0		BEH0805
Carbonate as CaCO3	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	**130**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	ND	mg/L	0.500	1		08/18/23 09:29	EPA 200.7		BEH0823
Magnesium	**8.3**	mg/L	0.1	1		08/18/23 09:29	EPA 200.7		BEH0823
Sodium	**39**	mg/L	1	1		08/18/23 09:29	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:36	Field		BEH1011
Nitrate Nitrogen as NO3N	**0.7**	mg/L	0.1	1	10	08/16/23 17:49	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**4.1**	mg/L	0.5	1	250	08/16/23 17:49	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**248**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:03	SM 4500-NH3 C		BEH0951
Total Nitrogen	ND	mg/L	1.00	1		08/21/23 14:03	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #27
23H1487-06 (Water)

Sampled: 8/15/2023 12:44
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**495**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**187**	mg/L	0.1	1		08/18/23 09:30	EPA 200.7		BEH0823
Chloride	**133**	mg/L	0.2	1	250	08/16/23 18:08	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**1.52**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**1520**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**495**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**7.17**	mg/L	0.500	1		08/18/23 09:30	EPA 200.7		BEH0823
Magnesium	**58.5**	mg/L	0.1	1		08/18/23 09:30	EPA 200.7		BEH0823
Sodium	**104**	mg/L	1	1		08/18/23 09:30	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:44	Field		BEH1011
Nitrate Nitrogen as NO3N	**29.3**	mg/L	0.1	1	10	08/16/23 18:08	EPA 300.0		BEH0805
Hydroxide as CaCO3	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 (SO4)	**56.3**	mg/L	0.5	1	250	08/16/23 18:08	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**1080**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:04	SM 4500-NH3 C		BEH0951
Total Nitrogen	**29.3**	mg/L	1.00	1		08/21/23 14:04	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #92
23H1487-07 (Water)

Sampled: 8/15/2023 12:27
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**369**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**132**	mg/L	0.1	1		08/18/23 09:31	EPA 200.7		BEH0823
Chloride	**97.6**	mg/L	0.2	1	250	08/16/23 18:28	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**1.13**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**1130**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**369**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**4.40**	mg/L	0.500	1		08/18/23 09:31	EPA 200.7		BEH0823
Magnesium	**40.9**	mg/L	0.1	1		08/18/23 09:31	EPA 200.7		BEH0823
Sodium	**78**	mg/L	1	1		08/18/23 09:31	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:27	Field		BEH1011
Nitrate Nitrogen as NO3N	**19.2**	mg/L	0.1	1	10	08/16/23 18:28	EPA 300.0		BEH0805
Hydroxide as CaCO3	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 (SO4)	**38.1**	mg/L	0.5	1	250	08/16/23 18:28	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**820**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:06	SM 4500-NH3 C		BEH0951
Total Nitrogen	**20.1**	mg/L	1.00	1		08/21/23 14:06	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #113
23H1487-08 (Water)

Sampled: 8/15/2023 12:10
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**284**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**56.1**	mg/L	0.1	1		08/18/23 09:32	EPA 200.7		BEH0823
Chloride	**195**	mg/L	0.2	1	250	08/16/23 18:48	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**1.10**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**1100**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**284**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**3.19**	mg/L	0.500	1		08/18/23 09:32	EPA 200.7		BEH0823
Magnesium	**17.0**	mg/L	0.1	1		08/18/23 09:32	EPA 200.7		BEH0823
Sodium	**180**	mg/L	1	1		08/18/23 09:32	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:10	Field		BEH1011
Nitrate Nitrogen as NO3N	**0.5**	mg/L	0.1	1	10	08/16/23 18:48	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**3.2**	mg/L	0.5	1	250	08/16/23 18:48	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**720**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:07	SM 4500-NH3 C		BEH0951
Total Nitrogen	ND	mg/L	1.00	1		08/21/23 14:07	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Sample Results
(Continued)

Sample: MTD IW #114
23H1487-09 (Water)

Sampled: 8/15/2023 12:23
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**298**	mg/L	10.0	1		08/18/23 08:22	SM 2320 B		BEH0839
Calcium	**82.0**	mg/L	0.1	1		08/18/23 09:33	EPA 200.7		BEH0823
Chloride	**248**	mg/L	0.2	1	250	08/16/23 19:08	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:22	SM 2320 B		BEH0839
Electrical Conductivity	**1.30**	mmhos/cm	0.01	1		08/18/23 08:22	SM 2510 B		BEH0839
Electrical Conductivity umhos	**1300**	umhos/cm	10.0	1		08/18/23 08:22	SM 2510 B		BEH0839
Bicarbonate as CaCO3	**298**	mg/L	5.00	1		08/18/23 08:22	SM 2320 B		BEH0839
Potassium	**3.95**	mg/L	0.500	1		08/18/23 09:33	EPA 200.7		BEH0823
Magnesium	**26.1**	mg/L	0.1	1		08/18/23 09:33	EPA 200.7		BEH0823
Sodium	**182**	mg/L	1	1		08/18/23 09:33	EPA 200.7		BEH0823
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:23	Field		BEH1011
Nitrate Nitrogen as NO3N	**2.8**	mg/L	0.1	1	10	08/16/23 19:08	EPA 300.0		BEH0805
Hydroxide as CaCO3	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)	**6.2**	mg/L	0.5	1	250	08/16/23 19:08	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**820**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 14:09	SM 4500-NH3 C		BEH0951
Total Nitrogen	**2.84**	mg/L	1.00	1		08/21/23 14:09	SM 4500-NH3 C		BEH0951

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0805										
Blank (BEH0805-BLK1)					Prepared & Analyzed: 8/16/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0805-BLK2)					Prepared & Analyzed: 8/16/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0805-BLK3)					Prepared & Analyzed: 8/17/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0805-BLK4)					Prepared & Analyzed: 8/17/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEH0805-BS1)					Prepared & Analyzed: 8/16/2023					
Chloride	4.7		0.2	mg/L	5.000		94.4	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.4	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.4	90-110		
LCS (BEH0805-BS2)					Prepared & Analyzed: 8/17/2023					
Chloride	4.7		0.2	mg/L	5.000		93.8	90-110		
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000		96.8	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		89.8	90-110		
LCS (BEH0805-BS3)					Prepared & Analyzed: 8/17/2023					
Chloride	4.7		0.2	mg/L	5.000		94.5	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.6	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.6	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 NO3N	0.7		0.1	mg/L		0.7			0.953	10
Sulfate (SO4)	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 NO3N	14.9		0.1	mg/L		14.8			0.679	10
Sulfate (SO4)	25.9		0.5	mg/L		25.5			1.24	10

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%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 NO3N	1.2		0.1	mg/L		1.2			0.343	10
Sulfate (SO4)	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 NO3N	5.7		0.1	mg/L	5.000	0.7	98.9	90-110		
Sulfate (SO4)	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 NO3N	19.9		0.1	mg/L	5.000	14.8	102	90-110		
Sulfate (SO4)	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 NO3N	6.1		0.1	mg/L	5.000	1.2	99.2	90-110		
Sulfate (SO4)	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 NO3N	9.7			mg/L	10.00		97.3	90-110		
Sulfate (SO4)	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 NO3N	9.8			mg/L	10.00		97.9	90-110		
Sulfate (SO4)	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 NO3N	9.8			mg/L	10.00		98.1	90-110		
Sulfate (SO4)	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 NO3N	9.9			mg/L	10.00		98.5	90-110		
Sulfate (SO4)	9.4			mg/L	10.00		94.4	90-110		

DELLAVALLE™ LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0823										
Blank (BEH0823-BLK1)					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						
Blank (BEH0823-BLK2)					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						
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					
Calcium	106		0.1	mg/L		104			2.09	15
Sodium	87		1	mg/L		84			3.14	15
Potassium	5.22		0.500	mg/L		5.67			8.37	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					
Potassium	41.8		0.500	mg/L	35.71	5.67	101	90-110		
Sodium	115		1	mg/L	35.71	84	86.2	90-110		
Calcium	140		0.1	mg/L	35.71	104	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					
Sodium	83		1	mg/L	35.71	52	86.5	90-110		
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		
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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0823 (Continued)										
Reference (BEH0823-SRM2)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Sodium	85			mg/L	91.50		92.6	90-110		
Reference (BEH0823-SRM3)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Calcium	48.6			mg/L	45.90		106	90-110		
Magnesium	36.8			mg/L	35.60		103	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0839										
Blank (BEH0839-BLK1)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	5.1		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEH0839-BLK2)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.4		1.0	units						
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 umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEH0839-BLK3)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Hydroxide as CaCO3	ND		1.00	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
pH	5.4		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Duplicate (BEH0839-DUP1)		**Source: 23H1483-08**			Prepared: 8/16/2023 Analyzed: 8/18/2023					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Alkalinity as CaCO3	148		10.0	mg/L		150			1.18	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
pH	7.7		1.0	units		7.7			0.648	10
Electrical Conductivity	0.90		0.01	mmhos/cm		0.91			0.475	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					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Electrical Conductivity	1.51		0.01	mmhos/cm		1.52			0.640	10
Alkalinity as CaCO3	493		10.0	mg/L		495			0.479	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					

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%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					
Electrical Conductivity	512			umhos/cm	538.0		95.2	90-110		
Alkalinity as CaCO3	42.6			mg/L	40.60		105	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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0877										
Blank (BEH0877-BLK1)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0877-BS1)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	36.2		10.0	mg/L	2000		1.81	0-200		
Duplicate (BEH0877-DUP1)		**Source: 23H1487-09**			Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	850		10.0	mg/L		820			3.59	10
Duplicate (BEH0877-DUP2)		**Source: 23H1489-06**			Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	590		10.0	mg/L		620			4.96	10
Reference (BEH0877-SRM1)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	343			mg/L	325.0		106	90-110		
Reference (BEH0877-SRM2)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	510			mg/L	495.0		103	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:31

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0951										
Blank (BEH0951-BLK1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
Blank (BEH0951-BLK2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
LCS (BEH0951-BS1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	5.90		1.00	mg/L	5.709		103	90-110		
LCS (BEH0951-BS2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	5.89		1.00	mg/L	5.709		103	90-110		
Duplicate (BEH0951-DUP1)		**Source: 23H1487-06**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Duplicate (BEH0951-DUP2)		**Source: 23H1493-03**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Matrix Spike (BEH0951-MS1)		**Source: 23H1487-06**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	8.09		1.40	mg/L	7.992	ND	101	90-110		
Matrix Spike (BEH0951-MS2)		**Source: 23H1493-03**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	8.10		1.40	mg/L	7.992	ND	101	90-110		
Reference (BEH0951-SRM1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	22.2			mg/L	23.80		93.2	90-110		

DocuSign Envelope ID: 510AD336-CFE1-41A4-BA16-FBC6EC6786D5

08/16/23 09:52 23H1487

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: 15925 Acct # 08 Cons #

Results Need By

Name: Milk Time Dairy
Address: 12576 Road 17
City: Madera **State:** CA **Zip:** 93637
Telephone: **Fax:**
Cell/Email: richie@rifinc.com; siest@hotmail.com
COPY TO: ariordan@fragservices.com

REQUESTED BY: Ed Fikse
PROJECT:
CROP: IRRIGATION WELLS

[X] Copy of Chain [X] QA/QC Documents
Sampled By: F&R Ag

No. Samples: 9 No of Bottles: 16

Water Type: [ ] Drinking Water [ ] Wastewater
[✓] Ag Water [ ] Groundwater [ ] Monitoring Well

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) Other + TN

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field ~~NH4-N~~ PURGE
1	MTD IW #5	8/15/23	1215	~~-3.4~~ 7.9	145 MIN
2	MTD IW #8		1153	-1.9	
3	MTD IW #9		1157	-4.9	
4	MTD IW #10		1218	-3.6	
5	~~MTD IW #24~~				
6	MTD IW #25		1236	-3.4	
7	MTD IW #27		1244	-3.6	
8	MTD IW #92		1227	-9.5	
9	MTD IW #113		1210	-3.1	
10	MTD IW #114		1223	-3.3	

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/15/23 1244	8/16/23
Second				
Third				
Fourth	3D	DLL	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.

Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

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 23H1487

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☐ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated 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 $Na_2S_2O_3$ (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	
	* pH Value	<2	<2	<2	<2	<2	<2	<2	<2	<2	
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1	1	1	1	1	1	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 $Na_2S_2O_3$ (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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0308-01	MTD #24	Ag Water	Shannon	Irrigation Wells	12/06/2023 8:25
23L0308-02	MTD #126	Ag Water	Shannon	Irrigation Wells	12/06/2023 8:41

Default Cooler Temperature on Receipt °C: 2.1
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

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Sample Results

Sample: MTD #24
23L0308-01 (Water)

Sampled: 12/6/2023 8:25
Sampled By: Shannon

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**628**	mg/L	10.0	1		12/07/23 16:41	SM 2320 B		BEL0176
Calcium	**168**	mg/L	0.1	1		12/13/23 09:32	EPA 200.7		BEL0230
Chloride	**141**	mg/L	0.2	1	250	12/06/23 19:22	EPA 300.0		BEL0163
Carbonate as CaCO3	ND	mg/L	1	1		12/07/23 16:41	SM 2320 B		BEL0176
Electrical Conductivity	**1.55**	mmhos/cm	0.01	1		12/08/23 11:06	SM 2510 B		BEL0280
Electrical Conductivity umhos	**1550**	umhos/cm	10.0	1		12/08/23 11:06	SM 2510 B		BEL0280
Bicarbonate as CaCO3	**628**	mg/L	5.00	1		12/07/23 16:41	SM 2320 B		BEL0176
Potassium	**6.59**	mg/L	0.500	1		12/13/23 09:32	EPA 200.7		BEL0230
Magnesium	**53.7**	mg/L	0.1	1		12/13/23 09:32	EPA 200.7		BEL0230
Sodium	**102**	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	**27.8**	mg/L	0.1	1	10	12/06/23 19:22	EPA 300.0		BEL0163
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/07/23 16:41	SM 2320 B		BEL0176
pH	**7.6**	units	1.0	1		12/07/23 16:41	SM 4500-H+	H	BEL0176
Temperature	**25.0**	units	0.0	1		12/07/23 16:41	SM 4500-H+	H	BEL0176
Sulfate (SO4)	**55.5**	mg/L	0.5	1	250	12/06/23 19:22	EPA 300.0		BEL0163
Total Filterable Solids (TDS)	**1000**	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 10:12	SM 4500-NH3 C		BEL0214
Total Nitrogen	**28.2**	mg/L	1.00	1		12/08/23 10:12	SM 4500-NH3 C		BEL0214

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Sample Results
(Continued)

Sample: MTD #126
23L0308-02 (Water)

Sampled: 12/6/2023 8:41
Sampled By: Shannon

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**481**	mg/L	10.0	1		12/07/23 16:54	SM 2320 B		BEL0176
Calcium	**169**	mg/L	0.1	1		12/13/23 09:32	EPA 200.7		BEL0230
Chloride	**134**	mg/L	0.2	1	250	12/06/23 19:42	EPA 300.0		BEL0163
Carbonate as CaCO3	ND	mg/L	1	1		12/07/23 16:54	SM 2320 B		BEL0176
Electrical Conductivity	**1.55**	mmhos/cm	0.01	1		12/08/23 11:06	SM 2510 B		BEL0280
Electrical Conductivity umhos	**1550**	umhos/cm	10.0	1		12/08/23 11:06	SM 2510 B		BEL0280
Bicarbonate as CaCO3	**481**	mg/L	5.00	1		12/07/23 16:54	SM 2320 B		BEL0176
Potassium	**22.6**	mg/L	0.500	1		12/13/23 09:32	EPA 200.7		BEL0230
Magnesium	**61.0**	mg/L	0.1	1		12/13/23 09:32	EPA 200.7		BEL0230
Sodium	**107**	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	**24.7**	mg/L	0.1	1	10	12/06/23 19:42	EPA 300.0		BEL0163
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/07/23 16:54	SM 2320 B		BEL0176
pH	**7.6**	units	1.0	1		12/07/23 16:54	SM 4500-H+	H	BEL0176
Temperature	**25.0**	units	0.0	1		12/07/23 16:54	SM 4500-H+	H	BEL0176
Sulfate (SO4)	**51.7**	mg/L	0.5	1	250	12/06/23 19:42	EPA 300.0		BEL0163
Total Filterable Solids (TDS)	**960**	mg/L	10.0	1		12/07/23 15:55	SM 2540 C		BEL0175
Kjeldahl Nitrogen (TKN), Total	**9.01**	mg/L	1.00	1		12/08/23 10:14	SM 4500-NH3 C		BEL0214
Total Nitrogen	**33.7**	mg/L	1.00	1		12/08/23 10:14	SM 4500-NH3 C		BEL0214

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0163 (Continued)										
Reference (BEL0163-SRM3)					Prepared & Analyzed: 12/7/2023					
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)	9.9			mg/L	10.00		98.7	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0175										
Blank (BEL0175-BLK1)					Prepared: 12/6/2023 Analyzed: 12/7/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEL0175-BS1)					Prepared: 12/6/2023 Analyzed: 12/7/2023					
Total Filterable Solids (TDS)	25.0		10.0	mg/L	2000		1.25	0-200		
Duplicate (BEL0175-DUP1)		**Source: 23L0258-01**			Prepared: 12/6/2023 Analyzed: 12/7/2023					
Total Filterable Solids (TDS)	1350		10.0	mg/L		1350			0.00	10
Duplicate (BEL0175-DUP2)		**Source: 23L0307-01**			Prepared: 12/6/2023 Analyzed: 12/7/2023					
Total Filterable Solids (TDS)	390		10.0	mg/L		370			5.26	10
Reference (BEL0175-SRM1)					Prepared: 12/6/2023 Analyzed: 12/7/2023					
Total Filterable Solids (TDS)	323			mg/L	325.0		99.5	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0176										
Blank (BEL0176-BLK1)					Prepared & Analyzed: 12/7/2023					
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	5.2		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Blank (BEL0176-BLK2)					Prepared & Analyzed: 12/7/2023					
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	4.4		1.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Blank (BEL0176-BLK3)					Prepared & Analyzed: 12/7/2023					
Alkalinity as CaCO3	ND		10.0	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
pH	5.5		1.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Duplicate (BEL0176-DUP1)		**Source: 23L0258-06**			Prepared & Analyzed: 12/7/2023					
pH	7.8		1.0	units		7.7			0.773	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Alkalinity as CaCO3	152		10.0	mg/L		143			6.29	10
Duplicate (BEL0176-DUP2)		**Source: 23L0309-01**			Prepared & Analyzed: 12/7/2023					
pH	7.7		1.0	units		7.7			0.130	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Alkalinity as CaCO3	436		10.0	mg/L		455			4.35	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Reference (BEL0176-SRM1)					Prepared & Analyzed: 12/7/2023					
Alkalinity as CaCO3	127			mg/L	128.0		99.4	90-110		
Reference (BEL0176-SRM2)					Prepared & Analyzed: 12/7/2023					
Alkalinity as CaCO3	129			mg/L	128.0		101	90-110		
Reference (BEL0176-SRM3)					Prepared & Analyzed: 12/7/2023					
Alkalinity as CaCO3	124			mg/L	128.0		97.0	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%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		

DELLAVALLE™ LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0214										
Blank (BEL0214-BLK2)					Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
Blank (BEL0214-BLK3)					Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
LCS (BEL0214-BS1)					Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	5.65		1.00	mg/L	5.709		99.0	90-110		
LCS (BEL0214-BS2)					Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	5.92		1.00	mg/L	5.709		104	90-110		
Duplicate (BEL0214-DUP1)		**Source: 23L0249-02**			Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Duplicate (BEL0214-DUP2)		**Source: 23L0296-01**			Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	14.4		1.40	mg/L		13.8			4.29	10
Matrix Spike (BEL0214-MS1)		**Source: 23L0249-02**			Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	8.47		1.40	mg/L	7.992	ND	106	90-110		
Matrix Spike (BEL0214-MS2)		**Source: 23L0296-01**			Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	22.5		1.40	mg/L	7.992	13.8	110	90-110		
Reference (BEL0214-SRM1)					Prepared: 12/7/2023 Analyzed: 12/8/2023					
Kjeldahl Nitrogen (TKN), Total	24.0			mg/L	23.80		101	90-110		

DELLAVALLE™ LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0230										
Blank (BEL0230-BLK1)					Prepared: 12/7/2023 Analyzed: 12/13/2023					
Potassium	ND		0.500	mg/L						
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEL0230-BLK2)					Prepared: 12/7/2023 Analyzed: 12/13/2023					
Potassium	ND		0.500	mg/L						
Calcium	ND		0.1	mg/L						
Sodium	ND		1	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEL0230-BS1)					Prepared: 12/7/2023 Analyzed: 12/13/2023					
Potassium	36.2		0.500	mg/L	35.71		101	90-110		
Calcium	37.4		0.1	mg/L	35.71		105	90-110		
Sodium	38		1	mg/L	35.71		107	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					
Potassium	36.0		0.500	mg/L	35.71		101	90-110		
Calcium	37.1		0.1	mg/L	35.71		104	90-110		
Sodium	38		1	mg/L	35.71		106	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					
Potassium	41.5		0.500	mg/L	35.71	5.82	99.9	90-110		
Calcium	171		0.1	mg/L	35.71	156	43.7	90-110		
Sodium	122		1	mg/L	35.71	94	79.6	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					
Potassium	39.3		0.500	mg/L	35.71	2.72	102	90-110		
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		
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					
Sodium	96			mg/L	91.50		105	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0230 (Continued)										
Reference (BEL0230-SRM2)					Prepared: 12/7/2023 Analyzed: 12/13/2023					
Potassium	21.6			mg/L	21.90		98.6	90-110		
Reference (BEL0230-SRM3)					Prepared: 12/7/2023 Analyzed: 12/13/2023					
Calcium	42.0			mg/L	45.90		91.4	90-110		
Magnesium	33.0			mg/L	35.60		92.6	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 12/06/2023 13:23
Reported: 12/18/2023 16:27

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%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		

12/06/23 13:23 23L0308

DELLAVALLE LABORATORY, INC.

910 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: 15925 Acct # | 08 Cons #

Results Need By

No. Samples: 2 No of Bottles:

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Milk Time Dairy
Other:

Address: 12576 Road 17

City: Madera **State:** CA **Zip:** 93637

Telephone: **Fax:**

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

REQUESTED BY: Ed Fikse

PROJECT:

CROP: IRRIGATION WELLS

[X] Copy of Chain [X] QA/QC Documents
Sampled By: SHANNON

Analysis and Bottles Required: (*Please indicate Analysis*)

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, 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	MTD #24	12/6/23	0825	2.1	345 min
2	MTD #126	12/6/23	0841	3.1	345 min
3					
4					
5					
6					
7					
8					
9					
10					

IR Thermometer SN: 192603727
Correction Factor: 0°C
Calibration Due: 12/22/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	12/6/23 1000	12/6/23
Second				
Third				
Fourth	CS	DLE	12-6-23 1323	

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.

Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

12/06/23 13:23 23L0308

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

Shipping Information: Shipped In □ Picked-Up □ Walk In □ DLI Sampler □ Other □ _____

□ Samples refridgerated 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1	1								
	* pH Value	<2	<2								
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	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 $Na_2S_2O_3$ (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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1492-01	MTD Reservoir Pope Creek	Ag Water	F & R Ag	Reservoir	08/15/2023 12:51

Default Cooler Temperature on Receipt °C: -5.8
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

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Sample Results

Sample: MTD Reservoir Pope Creek
23H1492-01 (Water)

Sampled: 8/15/2023 12:51
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**1.37**	mmhos/cm	0.01	1		08/16/23 14:37	SM 2510 B		BEH0811
Electrical Conductivity umhos	**1370**	umhos/cm	10.0	1		08/16/23 14:37	SM 2510 B		BEH0811
Nitrate Nitrogen as NO3N	**23.7**	mg/L	0.1	1	10	08/17/23 01:37	EPA 300.0		BEH0798
pH	**7.4**	units	1.0	1		08/16/23 14:37	SM 4500-H+	H	BEH0811
Total Filterable Solids (TDS)	**830**	mg/L	10.0	1		08/22/23 16:57	SM 2540 C		BEH0878
Temperature	**25.0**	°C	0.0	1		08/16/23 14:37	SM 2510 B		BEH0811
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/21/23 13:40	SM 4500-NH3 C		BEH0940
Total Nitrogen	**24.0**	mg/L	1.00	1		08/21/23 13:40	SM 4500-NH3 C		BEH0940

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0798										
Blank (BEH0798-BLK1)					Prepared & Analyzed: 8/16/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0798-BLK2)					Prepared & Analyzed: 8/16/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0798-BLK3)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0798-BLK4)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0798 (Continued)										
Reference (BEH0798-SRM3)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEH0798-SRM4)					Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

DELLAVALLE™ LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0811										
Blank (BEH0811-BLK1)					Prepared & Analyzed: 8/16/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	4.7		1.0	units						
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					
pH	7.4		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
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					
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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0811 (Continued)										
Reference (BEH0811-SRM5)					Prepared & Analyzed: 8/16/2023					
Electrical Conductivity umhos	949			umhos/cm	1000		94.9	90-110		
Reference (BEH0811-SRM6)					Prepared & Analyzed: 8/16/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEH0811-SRM7)					Prepared & Analyzed: 8/16/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEH0811-SRM8)					Prepared & Analyzed: 8/16/2023					
pH	4.0			units	4.000		101	97.5-102.5		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0878										
Blank (BEH0878-BLK1)					Prepared: 8/17/2023 Analyzed: 8/22/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0878-BS1)					Prepared: 8/17/2023 Analyzed: 8/22/2023					
Total Filterable Solids (TDS)	15.0		10.0	mg/L	2000		0.750	0-200		
Duplicate (BEH0878-DUP1)		**Source: 23H1490-06**			Prepared: 8/17/2023 Analyzed: 8/22/2023					
Total Filterable Solids (TDS)	720		10.0	mg/L		740			2.74	10
Duplicate (BEH0878-DUP2)		**Source: 23H1493-05**			Prepared: 8/17/2023 Analyzed: 8/22/2023					
Total Filterable Solids (TDS)	295		10.0	mg/L		295			0.00	10
Reference (BEH0878-SRM1)					Prepared: 8/17/2023 Analyzed: 8/22/2023					
Total Filterable Solids (TDS)	323			mg/L	325.0		99.5	90-110		
Reference (BEH0878-SRM2)					Prepared: 8/17/2023 Analyzed: 8/22/2023					
Total Filterable Solids (TDS)	487			mg/L	495.0		98.3	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/23/2023 13:24

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0940										
Blank (BEH0940-BLK1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
Blank (BEH0940-BLK2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
LCS (BEH0940-BS1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	5.84		1.00	mg/L	5.709		102	90-110		
LCS (BEH0940-BS2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	6.17		1.00	mg/L	5.709		108	90-110		
Duplicate (BEH0940-DUP1)		**Source: 23H1483-03**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Duplicate (BEH0940-DUP2)		**Source: 23H1484-02**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Matrix Spike (BEH0940-MS1)		**Source: 23H1483-03**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	8.96		1.40	mg/L	7.992	ND	112	90-110		
Matrix Spike (BEH0940-MS2)		**Source: 23H1484-02**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	7.96		1.40	mg/L	7.992	ND	99.6	90-110		
Reference (BEH0940-SRM1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Kjeldahl Nitrogen (TKN), Total	24.0			mg/L	23.80		101	90-110		

08/16/23 09:52 23H1492

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

JG

Purchase Order No

Bill To: 15925 Acct # 08 Cons #

No. Samples: 1 No of Bottles:

Results Need By

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Milk Time Dairy

Other:

Address: 12576 Road 17

Analysis and Bottles Required: (*Please indicate Analysis*)

City: Madera **State:** CA **Zip:** 93637

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample

Telephone: **Fax:**

( ) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample

Cell/Email: richie@rifinc.com; siest@hotmail.com

COPY TO: ariordan@fragservices.com

(✓) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample

REQUESTED BY: Ed Fikse

( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample

PROJECT:

CROP: RESERVOIR

( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample

[X] Copy of Chain [X] QA/QC Documents

Sampled By: F&R AG

( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH_4-N
1	MTD RESERVOIR POPE CREEK	8/15/23	1251	5.8	
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 1251	8/16/23
Second				
Third				
Fourth	SD	DLV	8/16/23 952	

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.

Invoicing Information:

Sampling hrs
Miles
Consulting

Shipping

$ In
$ Out

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

Paste Lab

08/16/23 09:52 23H1492

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☑ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1									
	* pH Value	≤2									
	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 $Na_2S_2O_3$ (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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1488-01	MTD Dom #3	Ag Water	F & R Ag	Domestic Wells	08/15/2023 12:20
23H1488-02	MTD Dom #12	Ag Water	F & R Ag	Domestic Wells	08/15/2023 12:31
23H1488-03	MTD Dom #19	Ag Water	F & R Ag	Domestic Wells	08/15/2023 12:05
23H1488-04	MTD Dom #20	Ag Water	F & R Ag	Domestic Wells	08/15/2023 11:50
23H1488-05	MTD Dom #22	Ag Water	F & R Ag	Domestic Wells	08/15/2023 12:00

Default Cooler Temperature on Receipt °C: -6.9
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.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Sample Results

Sample: MTD Dom #3
23H1488-01 (Water)

Sampled: 8/15/2023 12:20
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**164**	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	**46.8**	mg/L	0.1	1		08/18/23 10:23	EPA 200.7		BEH0824
Chloride	**54.7**	mg/L	0.2	1	250	08/16/23 19:27	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	**0.55**	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	**552**	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO3	**164**	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	**2.80**	mg/L	0.500	1		08/18/23 10:23	EPA 200.7		BEH0824
Magnesium	**14.1**	mg/L	0.1	1		08/18/23 10:23	EPA 200.7		BEH0824
Sodium	**44**	mg/L	1	1		08/18/23 10:23	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:20	Field		BEH1012
Nitrate Nitrogen as NO3N	**5.8**	mg/L	0.1	1	10	08/16/23 19:27	EPA 300.0		BEH0805
Hydroxide as CaCO3	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 (SO4)	**14.7**	mg/L	0.5	1	250	08/16/23 19:27	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**393**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Sample Results
(Continued)

Sample: MTD Dom #12
23H1488-02 (Water)

Sampled: 8/15/2023 12:31
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**476**	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	**192**	mg/L	0.1	1		08/18/23 10:24	EPA 200.7		BEH0824
Chloride	**163**	mg/L	0.2	1	250	08/16/23 22:06	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	**1.74**	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	**1740**	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO3	**476**	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	**5.34**	mg/L	0.500	1		08/18/23 10:24	EPA 200.7		BEH0824
Magnesium	**62.6**	mg/L	0.1	1		08/18/23 10:24	EPA 200.7		BEH0824
Sodium	**111**	mg/L	1	1		08/18/23 10:24	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:31	Field		BEH1012
Nitrate Nitrogen as NO3N	**45.7**	mg/L	0.1	1	10	08/16/23 22:06	EPA 300.0		BEH0805
Hydroxide as CaCO3	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 (SO4)	**63.5**	mg/L	0.5	1	250	08/16/23 22:06	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**1180**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Sample Results
(Continued)

Sample: MTD Dom #19
23H1488-03 (Water)

Sampled: 8/15/2023 12:05
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**475**	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	**209**	mg/L	0.1	1		08/18/23 10:26	EPA 200.7		BEH0824
Chloride	**128**	mg/L	0.2	1	250	08/16/23 22:26	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	**1.60**	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	**1600**	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO3	**475**	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	**8.76**	mg/L	0.500	1		08/18/23 10:26	EPA 200.7		BEH0824
Magnesium	**62.2**	mg/L	0.1	1		08/18/23 10:26	EPA 200.7		BEH0824
Sodium	**128**	mg/L	1	1		08/18/23 10:26	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:05	Field		BEH1012
Nitrate Nitrogen as NO3N	**43.6**	mg/L	0.1	1	10	08/16/23 22:26	EPA 300.0		BEH0805
Hydroxide as CaCO3	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 (SO4)	**48.8**	mg/L	0.5	1	250	08/16/23 22:26	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**1040**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Sample Results
(Continued)

Sample: MTD Dom #20
23H1488-04 (Water)

Sampled: 8/15/2023 11:50
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**335**	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	**132**	mg/L	0.1	1		08/18/23 10:27	EPA 200.7		BEH0824
Chloride	**160**	mg/L	0.2	1	250	08/16/23 22:46	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	**1.18**	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	**1180**	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO3	**335**	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	**5.40**	mg/L	0.500	1		08/18/23 10:27	EPA 200.7		BEH0824
Magnesium	**40.0**	mg/L	0.1	1		08/18/23 10:27	EPA 200.7		BEH0824
Sodium	**61**	mg/L	1	1		08/18/23 10:27	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 11:50	Field		BEH1012
Nitrate Nitrogen as NO3N	**7.2**	mg/L	0.1	1	10	08/16/23 22:46	EPA 300.0		BEH0805
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	**7.8**	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO4)	**31.3**	mg/L	0.5	1	250	08/16/23 22:46	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**800**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Sample Results
(Continued)

Sample: MTD Dom #22
23H1488-05 (Water)

Sampled: 8/15/2023 12:00
Sampled By: F & R Ag

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**487**	mg/L	10.0	1		08/18/23 08:23	SM 2320 B		BEH0840
Calcium	**174**	mg/L	0.1	1		08/18/23 10:28	EPA 200.7		BEH0824
Chloride	**209**	mg/L	0.2	1	250	08/16/23 23:05	EPA 300.0		BEH0805
Carbonate as CaCO3	ND	mg/L	1	1		08/18/23 08:23	SM 2320 B		BEH0840
Electrical Conductivity	**1.67**	mmhos/cm	0.01	1		08/18/23 08:23	SM 2510 B		BEH0840
Electrical Conductivity umhos	**1670**	umhos/cm	10.0	1		08/18/23 08:23	SM 2510 B		BEH0840
Bicarbonate as CaCO3	**487**	mg/L	5.00	1		08/18/23 08:23	SM 2320 B		BEH0840
Potassium	**8.84**	mg/L	0.500	1		08/18/23 10:28	EPA 200.7		BEH0824
Magnesium	**54.1**	mg/L	0.1	1		08/18/23 10:28	EPA 200.7		BEH0824
Sodium	**116**	mg/L	1	1		08/18/23 10:28	EPA 200.7		BEH0824
Ammonia (as N)	*	mg/L	0.00	1		08/15/23 12:00	Field		BEH1012
Nitrate Nitrogen as NO3N	**20.5**	mg/L	0.1	1	10	08/16/23 23:05	EPA 300.0		BEH0805
Hydroxide as CaCO3	ND	mg/L	1.00	1		08/18/23 08:23	SM 2320 B		BEH0840
pH	**7.8**	units	1.0	1		08/18/23 08:23	SM 4500-H+	H	BEH0840
Sulfate (SO4)	**47.5**	mg/L	0.5	1	250	08/16/23 23:05	EPA 300.0		BEH0805
Total Filterable Solids (TDS)	**1120**	mg/L	10.0	1		08/21/23 16:01	SM 2540 C		BEH0877

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0805										
Blank (BEH0805-BLK1)					Prepared & Analyzed: 8/16/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0805-BLK2)					Prepared & Analyzed: 8/16/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0805-BLK3)					Prepared & Analyzed: 8/17/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEH0805-BLK4)					Prepared & Analyzed: 8/17/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEH0805-BS1)					Prepared & Analyzed: 8/16/2023					
Chloride	4.7		0.2	mg/L	5.000		94.4	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.4	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.4	90-110		
LCS (BEH0805-BS2)					Prepared & Analyzed: 8/17/2023					
Chloride	4.7		0.2	mg/L	5.000		93.8	90-110		
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000		96.8	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		89.8	90-110		
LCS (BEH0805-BS3)					Prepared & Analyzed: 8/17/2023					
Chloride	4.7		0.2	mg/L	5.000		94.5	90-110		
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.6	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.6	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 NO3N	0.7		0.1	mg/L		0.7			0.953	10
Sulfate (SO4)	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 NO3N	14.9		0.1	mg/L		14.8			0.679	10
Sulfate (SO4)	25.9		0.5	mg/L		25.5			1.24	10

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%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 NO3N	1.2		0.1	mg/L		1.2			0.343	10
Sulfate (SO4)	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 NO3N	5.7		0.1	mg/L	5.000	0.7	98.9	90-110		
Sulfate (SO4)	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 NO3N	19.9		0.1	mg/L	5.000	14.8	102	90-110		
Sulfate (SO4)	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 NO3N	6.1		0.1	mg/L	5.000	1.2	99.2	90-110		
Sulfate (SO4)	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 NO3N	9.7			mg/L	10.00		97.3	90-110		
Sulfate (SO4)	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 NO3N	9.8			mg/L	10.00		97.9	90-110		
Sulfate (SO4)	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 NO3N	9.8			mg/L	10.00		98.1	90-110		
Sulfate (SO4)	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 NO3N	9.9			mg/L	10.00		98.5	90-110		
Sulfate (SO4)	9.4			mg/L	10.00		94.4	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0824										
Blank (BEH0824-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 (BEH0824-BLK2)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Potassium	ND		0.500	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (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		
Calcium	34.5		0.1	mg/L	35.71		96.5	90-110		
Potassium	33.9		0.500	mg/L	35.71		95.0	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					
Calcium	46.4		0.1	mg/L		46.8			0.794	15
Sodium	43		1	mg/L		44			1.62	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					
Sodium	80		1	mg/L	35.71	44	103	90-110		
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		
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					
Calcium	120		0.1	mg/L	35.71		337	90-110		
Potassium	41.2		0.500	mg/L	35.71		115	90-110		
Sodium	94		1	mg/L	35.71		264	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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0824 (Continued)										
Reference (BEH0824-SRM2)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Potassium	22.2			mg/L	21.90		101	90-110		
Reference (BEH0824-SRM3)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Calcium	46.3			mg/L	45.90		101	90-110		
Magnesium	37.4			mg/L	35.60		105	90-110		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0840										
Blank (BEH0840-BLK1)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.1		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Alkalinity as CaCO3	ND		10.0	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEH0840-BLK2)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
pH	5.2		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						
Blank (BEH0840-BLK3)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Hydroxide as CaCO3	ND		1.00	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
pH	5.5		1.0	units						
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 (BEH0840-DUP1)			**Source: 23H1489-01**		Prepared: 8/16/2023 Analyzed: 8/18/2023					
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
pH	8.0		1.0	units		7.9			1.01	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				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					
Alkalinity as CaCO3	440		10.0	mg/L		433			1.40	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Electrical Conductivity	1.14		0.01	mmhos/cm		1.14			0.0526	10
pH	7.8		1.0	units		7.6			1.30	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Electrical Conductivity umhos	1140		10.0	umhos/cm		1140			0.0526	10
Reference (BEH0840-SRM1)					Prepared: 8/16/2023 Analyzed: 8/18/2023					

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0840 (Continued)										
Reference (BEH0840-SRM1)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Alkalinity as CaCO3	40.1			mg/L	40.60		98.7	90-110		
Electrical Conductivity	511			umhos/cm	538.0		95.0	90-110		
Reference (BEH0840-SRM2)					Prepared: 8/16/2023 Analyzed: 8/18/2023					
Alkalinity as CaCO3	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					
Alkalinity as CaCO3	39.6			mg/L	40.60		97.5	90-110		
Electrical Conductivity	521			umhos/cm	538.0		96.8	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		

DELLAVALLE™
LABORATORY INC

Milk Time Dairy
12576 Rd 17
Madera, CA 93637

Account# 00-0015925
Account Manager: Ben Nydam
Submitted By: Ed Fikse

Received: 08/16/2023 9:52
Reported: 08/22/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0877										
Blank (BEH0877-BLK1)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0877-BS1)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	36.2		10.0	mg/L	2000		1.81	0-200		
Duplicate (BEH0877-DUP1)		**Source: 23H1487-09**			Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	850		10.0	mg/L		820			3.59	10
Duplicate (BEH0877-DUP2)		**Source: 23H1489-06**			Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	590		10.0	mg/L		620			4.96	10
Reference (BEH0877-SRM1)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	343			mg/L	325.0		106	90-110		
Reference (BEH0877-SRM2)					Prepared: 8/17/2023 Analyzed: 8/21/2023					
Total Filterable Solids (TDS)	510			mg/L	495.0		103	90-110		

08/16/23 09:52 23H1488

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: [redacted] Acct # | 00 Cons # | JG

No. Samples: 5 | No of Bottles:

Results Need By

Water Type: [✓] Drinking Water [ ] Wastewater [ ] Ag Water [ ] Groundwater [ ] Monitoring Well

Name: Milk Time Dairy

Other:

Address: 12576 Road 17

Analysis and Bottles Required: (*Please indicate Analysis*)

City: Madera **State:** CA **Zip:** 93637

( ) DWW1: EC, NO_3-N NH4-N Field Test

Telephone: **Fax:**

(1-1 Liter Plastic, Unpreserved) White Per Sample

Cell/Email: richie@rifinc.com; siest@hotmail.com

(✓) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS

COPY TO: ariordan@fragservices.com

(1-1 Liter Plastic, Unpreserved) White Per Sample

( ) DCW1: EC, NO_3-N, TKN, TN, TDS

REQUESTED BY: Ed Fikse

(1-1 Liter Plastic, Unpreserved) White Per Sample

PROJECT:

( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK

CROP: DOMESTIC WELLS

(1-1 Liter Plastic, Unpreserved) White Per Sample

( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl

[X] Copy of Chain [X] QA/QC Documents

(1-1 Liter Plastic, Unpreserved) White Per Sample

Sampled By: F & R AG

( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH_4-N PURGE
1	MTD DOM #3	8/15/23	1220	-6.9	> 30 MIN
2	MTD DOM #12		1231	-6.5	
3	MTD DOM #19		1205	-1.9	
4	MTD DOM #20		1150	-4.8	
5	MTD DOM #22		1200	-4.3	
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 1231	8/16/23
Second				
Third				
Fourth	JD	DLL	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.

Invoicing 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 23H1488

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☒ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic						8/16/23				
	* 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 $Na_2S_2O_3$ (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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										