

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:** Dixie Creek Ranch

Physical address of dairy:

3601 Lacey Blvd.

Hanford

Kings

93230

Number and Street

City

County

Zip Code

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

Date facility was originally placed in operation: 05/17/1988Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0016-0090-0012-0000

B. OPERATORS

Te Velde, Bernard

Operator name: Te Velde, BernardTelephone no.: (559) 583-1277

Landline

Cellular

13866 4th AVE

Hanford

CA

93230

Mailing Address Number and Street

City

State

Zip Code

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

Te Velde, Bernard

Legal owner name: Te Velde, BernardTelephone no.: (559) 583-1277

Landline

Cellular

13866 4th AVE

Hanford

CA

93230

Mailing Address Number and Street

City

State

Zip Code

This owner is responsible for paying permit fees.

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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	0	0	0	0	0	0
Number under roof	6,500	0	0	0	0	0
Maximum number	6,500	0	0	0	0	0
Average number	6,500	0	0	0	0	0
Avg live weight (lbs)	1,350	0	0	0		

Predominant milk cow breed: HolsteinAverage milk production: 80 pounds per cow per day**B. MANURE GENERATED**Total manure excreted by the herd: 174,409.77 tons per reporting periodTotal nitrogen from manure: 2,279,710.55 lbs per reporting periodAfter ammonia losses (30% loss applied): 1,595,797.39 lbs per reporting periodTotal phosphorus from manure: 387,395.35 lbs per reporting periodTotal potassium from manure: 1,287,514.97 lbs per reporting periodTotal salt from manure: 3,060,525.00 lbs per reporting period**C. PROCESS WASTEWATER GENERATED**Process wastewater generated: 30,206,388 gallonsTotal nitrogen generated: 209,533.95 lbsTotal phosphorus generated: 17,192.97 lbsTotal potassium generated: 316,410.29 lbsTotal salt generated: 2,308,681.03 lbs

$$\begin{array}{r}
 30,206,388 \text{ gallons applied} \\
 + \quad \quad \quad 0 \text{ gallons exported} \\
 - \quad \quad \quad 0 \text{ gallons imported} \\
 = \quad \quad \quad 30,206,388 \text{ gallons generated}
 \end{array}$$

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
Fld 2	Ground water
Fld 4	Ground water
Fld 8	Ground water
Fld 8A	Ground water

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Source Description	Type
Irr 4	Ground water
Irr 5	Ground water
Irr 6	Ground water
Irr 8	Ground water
Irr 9	Ground water
Manzanillo N	Ground water
Manzanillo S	Ground water
Rhodes N	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.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
1	98	98	0	none	X016-X090-X012-XXXX
10	84	84	0	none	X016-X110-X015-XXXX
17	95	95	2	process wastewater	X016-X090-X003-XXXX
18	81	81	0	none	X016-X110-X018-XXXX
19	85	85	2	process wastewater	X016-X110-X018-XXXX
2	37	37	0	none	X016-X090-X012-XXXX
3a	36	36	2	process wastewater	X016-X090-X012-XXXX
3b	30	30	2	process wastewater	X016-X090-X012-XXXX
4	100	100	2	process wastewater	X016-X090-X012-XXXX
5	95	95	2	process wastewater	X016-X090-X012-XXXX
6	98	98	2	process wastewater	X016-X090-X012-XXXX
7	82	82	1	process wastewater	X016-X110-X004-XXXX
8	82	82	2	process wastewater	X016-X110-X004-XXXX
9	84	84	2	process wastewater	X016-X110-X015-XXXX
Totals for areas that were used for application	787	787	19		
Totals for areas that were not used for application	300	300	0		
Land application area totals	1,087	1,087	19		

B. CROPS AND HARVESTS

1

Field name: 1

11/20/2020: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 98 Plant date: 11/20/2020

No harvests entered for this crop.

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

10

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10

Field name: 10

11/23/2020: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 84 Plant date: 11/23/2020

No harvests entered for this crop.

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

17

Field name: 17

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 95 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/24/2023	2,090.00 ton	As-is		65.1	4,500.00	800.00	4,700.00		2.96

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	22.00	198.00	35.20	206.80	454.54

07/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 95 Plant date: 07/01/2023

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	2,850.00 ton	As-is		67.7	4,500.00	600.00	2,600.00		1.51

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	30.00	270.00	36.00	156.00	292.64

18

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18

Field name: 18

12/18/2020: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 81 Plant date: 12/18/2020

No harvests entered for this crop.

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

19

Field name: 19

11/26/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 85 Plant date: 11/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/24/2023	1,785.00 ton	As-is		64.6	4,700.00	800.00	4,600.00		3.01

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	21.00	197.40	33.60	193.20	447.53

07/04/2023: Corn, silage

Crop: Corn, silage Acres planted: 85 Plant date: 07/04/2023

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	2,550.00 ton	As-is		70.1	4,000.00	600.00	2,600.00		1.49

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	30.00	240.00	36.00	156.00	267.31

2

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2

Field name: 2

11/05/2020: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 37 Plant date: 11/05/2020

No harvests entered for this crop.

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	0.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

3a

Field name: 3a

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 36 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/22/2023	720.00 ton	As-is		63.4	4,900.00	900.00	4,800.00		3.01

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	196.00	36.00	192.00	440.66

06/22/2023: Corn, silage

Crop: Corn, silage Acres planted: 36 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 (%)
09/25/2023	936.00 ton	As-is		63.4	5,600.00	900.00	3,400.00		1.87

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.00	291.20	46.80	176.80	355.90

3b

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3b

Field name: 3b

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 30 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/22/2023	600.00 ton	As-is		64.4	5,100.00	800.00	4,200.00		2.97

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	204.00	32.00	168.00	422.93

06/22/2023: Corn, silage

Crop: Corn, silage Acres planted: 30 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 (%)
09/25/2023	810.00 ton	As-is		66.9	5,300.00	800.00	3,500.00		1.86

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.00	286.20	43.20	189.00	332.46

4

Field name: 4

11/21/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 100 Plant date: 11/21/2022

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	2,000.00 ton	As-is		62.4	4,600.00	800.00	4,700.00		3.03

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	184.00	32.00	188.00	455.71

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4

07/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 100 Plant date: 07/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	2,800.00 ton	As-is		67.8	4,900.00	800.00	3,800.00		2.01

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.00	274.40	44.80	212.80	362.44

5

Field name: 5

11/17/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 95 Plant date: 11/17/2022

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	1,805.00 ton	As-is		64.0	5,400.00	900.00	4,900.00		2.95

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	19.00	205.20	34.20	186.20	403.56

07/03/2023: Corn, silage

Crop: Corn, silage Acres planted: 95 Plant date: 07/03/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	2,660.00 ton	As-is		69.6	4,900.00	700.00	3,500.00		1.68

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.00	274.40	39.20	196.00	286.00

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6

Field name: 6

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

Crop: Wheat, silage, soft dough Acres planted: 98 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 (%)
05/22/2023	1,862.00 ton	As-is		59.8	5,500.00	800.00	4,700.00		3.11

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	19.00	209.00	30.40	178.60	475.08

07/03/2023: Corn, silage

Crop: Corn, silage Acres planted: 98 Plant date: 07/03/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	2,646.00 ton	As-is		68.5	5,000.00	800.00	4,400.00		1.79

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.00	270.00	43.20	237.60	304.48

7

Field name: 7

04/24/2023: Corn, silage

Crop: Corn, silage Acres planted: 82 Plant date: 04/24/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/14/2023	2,460.00 ton	As-is		67.6	4,500.00	700.00	3,100.00		1.36

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.00	280.00	52.50	231.00	0.00
Total actual harvest content	30.00	270.00	42.00	186.00	264.38

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Field name: 8

11/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 82 Plant date: 11/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	1,640.00 ton	As-is		65.3	4,400.00	800.00	4,700.00		2.83

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	20.00	176.00	32.00	188.00	392.80

07/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 82 Plant date: 07/01/2023

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	2,050.00 ton	As-is		64.3	5,600.00	900.00	4,500.00		2.12

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.00	280.00	45.00	225.00	378.42

9

Field name: 9

11/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 84 Plant date: 11/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	1,848.00 ton	As-is		65.2	4,400.00	700.00	4,500.00		2.95

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	22.00	193.60	30.80	198.00	451.70

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07/06/2023: Corn, silage

Crop: Corn, silage Acres planted: 84 Plant date: 07/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/10/2023	2,268.00 <i>ton</i>	As-is		65.5	5,100.00	900.00	4,300.00		2.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.00	275.40	48.60	232.20	372.60

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NUTRIENT BUDGET**A. LAND APPLICATIONS**

1 - 11/20/2020: Alfalfa, hay

Field name: 1

Crop: Alfalfa, hay Plant date: 11/20/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/05/2023	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
Canal	Surface water	10.60	0.00	0.00	650.69	95,757,833.37 gal
Application event totals		10.60	0.00	0.00	650.69	
08/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	3.59	0.00	0.00	220.16	32,399,364.93 gal
Application event totals		3.59	0.00	0.00	220.16	

10 - 11/23/2020: Alfalfa, hay

Field name: 10

Crop: Alfalfa, hay Plant date: 11/23/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/07/2023	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
Canal	Surface water	10.56	0.00	0.00	648.40	81,788,601.00 gal
Application event totals		10.56	0.00	0.00	648.40	
08/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	3.50	0.00	0.00	214.62	27,071,701.08 gal
Application event totals		3.50	0.00	0.00	214.62	

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17 - 11/14/2022: Wheat, silage, soft dough

Field name: 17

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/16/2022	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
Process Wastewater	Process wastewater	80.05	6.52	129.56	1,137.61	1,199,131.68 gal
Rhodes N	Ground water	25.64	0.00	0.00	426.61	20,701,314.03 gal
Application event totals		105.69	6.52	129.56	1,564.22	
01/05/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	
02/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	4.41	0.00	0.00	270.53	38,593,792.44 gal
Application event totals		4.41	0.00	0.00	270.53	
03/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	57.63	4.77	67.05	514.29	720,130.71 gal
Application event totals		57.63	4.77	67.05	514.29	

17 - 07/01/2023: Corn, silage

Field name: 17

Crop: Corn, silage

Plant date: 07/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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17 - 07/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/26/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	
06/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	116.98	11.30	203.82	1,357.33	1,681,391.16 gal
Canal	Surface water	8.44	0.00	0.00	517.82	73,870,421.70 gal
Application event totals		125.41	11.30	203.82	1,875.15	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	51.46	2.45	61.62	388.68	599,565.84 gal
Application event totals		51.46	2.45	61.62	388.68	
08/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
Application event totals		50.00	0.00	0.00	0.00	
08/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	3.70	0.00	0.00	227.11	32,399,364.93 gal
Application event totals		3.70	0.00	0.00	227.11	

18 - 12/18/2020: Alfalfa, hay

Field name: 18

Crop: Alfalfa, hay

Plant date: 12/18/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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18 - 12/18/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/09/2023	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
Canal	Surface water	10.57	0.00	0.00	648.79	78,914,595.18 gal
Application event totals		10.57	0.00	0.00	648.79	
08/25/2023	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
Canal	Surface water	3.63	0.00	0.00	222.57	27,071,701.08 gal
Application event totals		3.63	0.00	0.00	222.57	

19 - 11/26/2022: Wheat, silage, soft dough

Field name: 19

Crop: Wheat, silage, soft dough

Plant date: 11/26/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/27/2022	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
Process Wastewater	Process wastewater	35.74	2.91	57.84	507.89	479,000.97 gal
Manzanillo N	Ground water	12.88	0.00	0.00	313.69	9,935,196.99 gal
Manzanillo S	Ground water	24.78	0.00	0.00	427.81	9,935,196.99 gal
Application event totals		73.39	2.91	57.84	1,249.39	
01/05/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	100.00	0.00	0.00	0.00	
Application event totals		100.00	0.00	0.00	0.00	

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19 - 11/26/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/06/2023	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
Canal	Surface water	4.31	0.00	0.00	264.55	33,767,939.13 gal
Application event totals		4.31	0.00	0.00	264.55	
03/31/2023	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
Process Wastewater	Process wastewater	56.25	4.66	65.45	501.97	628,892.43 gal
Application event totals		56.25	4.66	65.45	501.97	

19 - 07/04/2023: Corn, silage

Field name: 19

Crop: Corn, silage

Plant date: 07/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/26/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	
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
Process Wastewater	Process wastewater	60.55	5.85	105.51	702.65	778,783.89 gal
Canal	Surface water	12.26	0.00	0.00	752.51	96,051,099.27 gal
Application event totals		72.81	5.85	105.51	1,455.16	
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
Process Wastewater	Process wastewater	51.88	2.47	62.13	391.91	540,912.66 gal
Application event totals		51.88	2.47	62.13	391.91	

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19 - 07/04/2023: Corn, silage

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)
Commercial Fertilizer	Liquid commercial fertilizer	100.00	0.00	0.00	0.00
Application event totals		100.00	0.00	0.00	0.00

2 - 11/05/2020: Alfalfa, hay

Field name: 2

Crop: Alfalfa, hay

Plant date: 11/05/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	14.18	0.00	0.00	870.73
Application event totals		14.18	0.00	0.00	870.73

3a - 11/14/2022: Wheat, silage, soft dough

Field name: 3a

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

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)
Process Wastewater	Process wastewater	105.63	8.60	170.95	1,501.01
Irr 9	Ground water	4.85	0.00	0.00	358.26
Application event totals		110.47	8.60	170.95	1,859.27

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3a - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/03/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	65.00	0.00	0.00	0.00	
Application event totals		65.00	0.00	0.00	0.00	
01/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	4.17	0.00	0.00	255.75	13,825,857.93 gal
Application event totals		4.17	0.00	0.00	255.75	
03/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	50.92	4.21	59.25	454.43	241,129.74 gal
Application event totals		50.92	4.21	59.25	454.43	

3a - 06/22/2023: Corn, silage

Field name: 3a

Crop: Corn, silage

Plant date: 06/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/24/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	50.00	0.00	0.00	0.00	
Application event totals		50.00	0.00	0.00	0.00	
06/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	132.21	12.77	230.36	1,534.09	720,130.71 gal
Canal	Surface water	12.11	0.00	0.00	743.15	40,174,169.79 gal
Application event totals		144.32	12.77	230.36	2,277.23	

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3a - 06/22/2023: Corn, silage

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
Process Wastewater	Process wastewater	54.61	2.60	65.40	412.51	241,129.74 gal
Application event totals		54.61	2.60	65.40	412.51	
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
Commercial Fertilizer	Liquid commercial fertilizer	65.00	0.00	0.00	0.00	
Application event totals		65.00	0.00	0.00	0.00	

3b - 11/14/2022: Wheat, silage, soft dough

Field name: 3b

Crop: Wheat, silage, soft dough Plant date: 11/14/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/17/2022	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
Process Wastewater	Process wastewater	75.78	6.17	122.64	1,076.81	358,436.10 gal
Irr 9	Ground water	4.36	0.00	0.00	322.47	7,129,619.88 gal
Application event totals		80.14	6.17	122.64	1,399.29	
01/03/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	95.00	0.00	0.00	0.00	
Application event totals		95.00	0.00	0.00	0.00	
02/02/2023	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
Canal	Surface water	4.37	0.00	0.00	268.49	12,095,589.12 gal
Application event totals		4.37	0.00	0.00	268.49	

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3b - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process Wastewater	Process wastewater	45.42	3.76	52.84	405.30
Application event totals		45.42	3.76	52.84	405.30
					179,218.05 gal

3b - 06/22/2023: Corn, silage

Field name: 3b

Crop: Corn, silage

Plant date: 06/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/24/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00
Application event totals		75.00	0.00	0.00	0.00
06/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process Wastewater	Process wastewater	132.09	12.76	230.16	1,532.70
Canal	Surface water	12.08	0.00	0.00	741.69
Application event totals		144.17	12.76	230.16	2,274.39
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process Wastewater	Process wastewater	48.71	2.32	58.33	367.91
Application event totals		48.71	2.32	58.33	367.91
08/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Commercial Fertilizer	Liquid commercial fertilizer	45.00	0.00	0.00	0.00
Application event totals		45.00	0.00	0.00	0.00

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4 - 11/21/2022: Wheat, silage, soft dough

Field name: 4

Crop: Wheat, silage, soft dough

Plant date: 11/21/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/22/2022	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
Process Wastewater	Process wastewater	76.05	6.19	123.08	1,080.73	1,199,131.68 gal
Irr 6	Ground water	2.71	0.00	0.00	240.29	23,184,298.65 gal
Application event totals		78.76	6.19	123.08	1,321.02	
01/03/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	95.00	0.00	0.00	0.00	
Application event totals		95.00	0.00	0.00	0.00	
02/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	4.19	0.00	0.00	256.99	38,590,533.93 gal
Application event totals		4.19	0.00	0.00	256.99	
03/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	36.42	3.01	42.37	324.98	479,000.97 gal
Application event totals		36.42	3.01	42.37	324.98	

4 - 07/01/2023: Corn, silage

Field name: 4

Crop: Corn, silage

Plant date: 07/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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4 - 07/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/24/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	
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
Process Wastewater	Process wastewater	103.16	9.96	179.75	1,197.01	1,560,826.29 gal
Canal	Surface water	8.17	0.00	0.00	501.52	75,310,683.12 gal
Application event totals		111.33	9.96	179.75	1,698.52	
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
Process Wastewater	Process wastewater	48.88	2.33	58.54	369.25	599,565.84 gal
Application event totals		48.88	2.33	58.54	369.25	
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
Commercial Fertilizer	Liquid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	
08/25/2023	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
Canal	Surface water	3.94	0.00	0.00	241.64	36,286,767.36 gal
Application event totals		3.94	0.00	0.00	241.64	

5 - 11/17/2022: Wheat, silage, soft dough

Field name:	5	Plant date:	11/17/2022	
Crop:	Wheat, silage, soft dough			
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

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5 - 11/17/2022: Wheat, silage, soft dough

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
Process Wastewater	Process wastewater	64.17	5.23	103.86	911.94	961,260.45 gal
Irr 6	Ground water	2.85	0.00	0.00	252.94	23,184,298.65 gal
Application event totals		67.02	5.23	103.86	1,164.88	
01/03/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	95.00	0.00	0.00	0.00	
Application event totals		95.00	0.00	0.00	0.00	
02/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	4.28	0.00	0.00	262.45	37,440,279.90 gal
Application event totals		4.28	0.00	0.00	262.45	
03/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	57.63	4.77	67.05	514.29	720,130.71 gal
Application event totals		57.63	4.77	67.05	514.29	

5 - 07/03/2023: Corn, silage

Field name:	5	Plant date:	07/03/2023			
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/24/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	

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5 - 07/03/2023: Corn, silage

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
Process Wastewater	Process wastewater	108.59	10.49	189.21	1,260.01	1,560,826.29 gal
Canal	Surface water	8.24	0.00	0.00	505.71	72,143,411.40 gal
Application event totals		116.83	10.49	189.21	1,765.72	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	51.46	2.45	61.62	388.68	599,565.84 gal
Application event totals		51.46	2.45	61.62	388.68	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Liquid commercial fertilizer	65.00	0.00	0.00	0.00	
Application event totals		65.00	0.00	0.00	0.00	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	3.86	0.00	0.00	237.21	33,839,626.35 gal
Application event totals		3.86	0.00	0.00	237.21	

6 - 11/16/2022: Wheat, silage, soft dough

Field name: 6

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
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6 - 11/16/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/17/2022	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
Process Wastewater	Process wastewater	27.20	2.22	44.03	386.57	420,347.79 gal
Irr 4	Ground water	24.68	0.00	0.00	346.40	7,393,559.19 gal
Irr 9	Ground water	3.12	0.00	0.00	230.28	16,631,435.04 gal
Application event totals		55.00	2.22	44.03	963.25	
01/04/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	115.00	0.00	0.00	0.00	
Application event totals		115.00	0.00	0.00	0.00	
02/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	55.86	4.62	65.00	498.54	720,130.71 gal
Canal	Surface water	4.27	0.00	0.00	262.25	38,593,792.44 gal
Application event totals		60.14	4.62	65.00	760.80	

6 - 07/03/2023: Corn, silage

Field name: 6

Crop: Corn, silage

Plant date: 07/03/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/24/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	

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6 - 07/03/2023: Corn, silage

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
Process Wastewater	Process wastewater	113.40	10.95	197.58	1,315.78	1,681,391.16 gal
Canal	Surface water	8.36	0.00	0.00	513.21	75,525,744.78 gal
Application event totals		121.76	10.95	197.58	1,829.00	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	49.88	2.38	59.73	376.78	599,565.84 gal
Application event totals		49.88	2.38	59.73	376.78	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Liquid commercial fertilizer	65.00	0.00	0.00	0.00	
Application event totals		65.00	0.00	0.00	0.00	
08/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	3.76	0.00	0.00	230.92	33,983,000.79 gal
Application event totals		3.76	0.00	0.00	230.92	

7 - 04/24/2023: Corn, silage

Field name: 7

Crop: Corn, silage

Plant date: 04/24/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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7 - 04/24/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	66.76	5.53	77.68	595.82	720,130.71 gal
Canal	Surface water	12.96	0.00	0.00	795.26	97,924,742.52 gal
Application event totals		79.72	5.53	77.68	1,391.08	
05/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Liquid commercial fertilizer	125.00	0.00	0.00	0.00	
Application event totals		125.00	0.00	0.00	0.00	
05/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	96.65	9.34	168.41	1,121.49	1,199,131.68 gal
Application event totals		96.65	9.34	168.41	1,121.49	

8 - 11/24/2022: Wheat, silage, soft dough

Field name:	8	Plant date:	11/24/2022			
Crop:	Wheat, silage, soft dough					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/25/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	83.42	6.79	135.01	1,185.45	1,078,566.81 gal
Fld 8A	Ground water	3.28	0.00	0.00	315.14	20,160,401.37 gal
Application event totals		86.70	6.79	135.01	1,500.59	

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8 - 11/24/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
01/04/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Commercial Fertilizer	Solid commercial fertilizer	85.00	0.00	0.00	0.00
Application event totals		85.00	0.00	0.00	0.00
02/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process Wastewater	Process wastewater	38.97	3.23	45.34	347.79 420,347.79 gal
Canal	Surface water	4.20	0.00	0.00	257.85 31,750,921.44 gal
Application event totals		43.17	3.23	45.34	605.64

8 - 07/01/2023: Corn, silage

Field name: 8

Crop: Corn, silage

Plant date: 07/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/25/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00
Application event totals		75.00	0.00	0.00	0.00
06/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process Wastewater	Process wastewater	116.09	11.21	202.27	1,347.01 1,440,261.42 gal
Canal	Surface water	12.17	0.00	0.00	747.25 92,013,805.38 gal
Application event totals		128.26	11.21	202.27	2,094.26

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8 - 07/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/30/2023	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
Process Wastewater	Process wastewater	47.63	2.27	57.03	359.75	479,000.97 gal
Application event totals		47.63	2.27	57.03	359.75	
08/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Liquid commercial fertilizer	65.00	0.00	0.00	0.00	
Application event totals		65.00	0.00	0.00	0.00	

9 - 11/24/2022: Wheat, silage, soft dough

Field name: 9

Crop: Wheat, silage, soft dough Plant date: 11/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/25/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	113.17	9.22	183.16	1,608.23	1,498,914.60 gal
Irr 8	Ground water	2.79	0.00	0.00	92.99	18,720,139.95 gal
Application event totals		115.96	9.22	183.16	1,701.22	
01/04/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00	
Application event totals		75.00	0.00	0.00	0.00	

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9 - 11/24/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
02/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process Wastewater	Process wastewater	38.04	3.15	44.27	339.51
Canal	Surface water	4.43	0.00	0.00	271.68
Application event totals		42.47	3.15	44.27	611.19

9 - 07/06/2023: Corn, silage

Field name: 9

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/25/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Commercial Fertilizer	Solid commercial fertilizer	75.00	0.00	0.00	0.00
Application event totals		75.00	0.00	0.00	0.00
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)
Process Wastewater	Process wastewater	122.81	11.86	213.98	1,425.01
Canal	Surface water	12.18	0.00	0.00	747.75
Application event totals		134.99	11.86	213.98	2,172.76
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)
Process Wastewater	Process wastewater	52.50	2.50	62.87	396.58
Application event totals		52.50	2.50	62.87	396.58

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9 - 07/06/2023: Corn, silage

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)
Commercial Fertilizer	Liquid commercial fertilizer	50.00	0.00	0.00	0.00
Application event totals		50.00	0.00	0.00	0.00

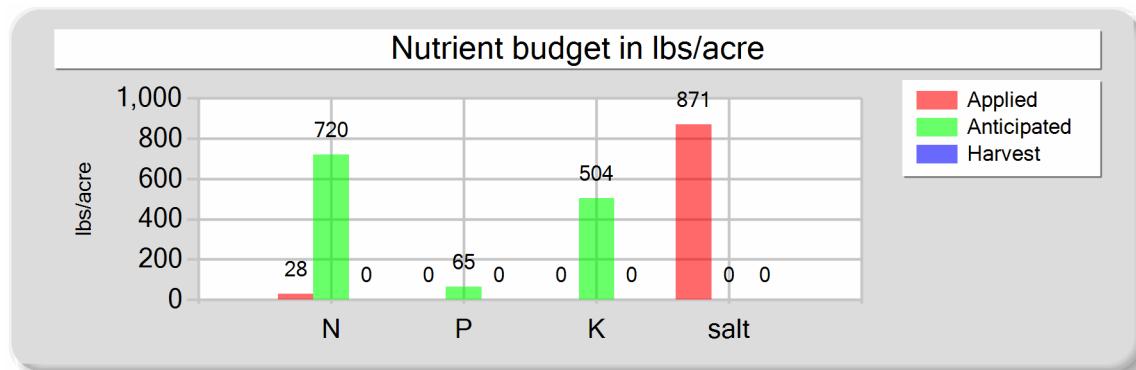
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B. NUTRIENT BUDGET

1 - 11/20/2020: Alfalfa, hay

Field name: 1 Crop: Alfalfa, hay Plant date: 11/20/2020



	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	0.00	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	14.19	0.00	0.00	870.86
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	28.19	0.00	0.00	870.86
Anticipated crop nutrient removal	720.00	64.80	504.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	28.19	0.00	0.00	870.86
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied
128,157,198.30 gallons
4,719.59 acre-inches
48.16 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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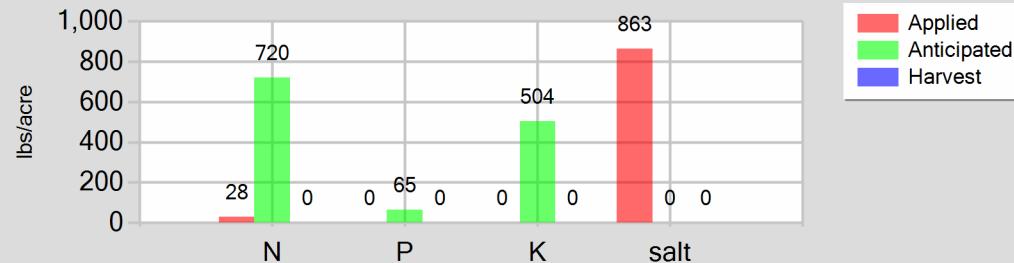
10 - 11/23/2020: Alfalfa, hay

Field name: 10

Crop: Alfalfa, hay

Plant date: 11/23/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	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	14.06	0.00	0.00	863.02
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	28.06	0.00	0.00	863.02
Anticipated crop nutrient removal	720.00	64.80	504.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	28.06	0.00	0.00	863.02
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied

108,860,302.08 gallons
4,008.95 acre-inches
47.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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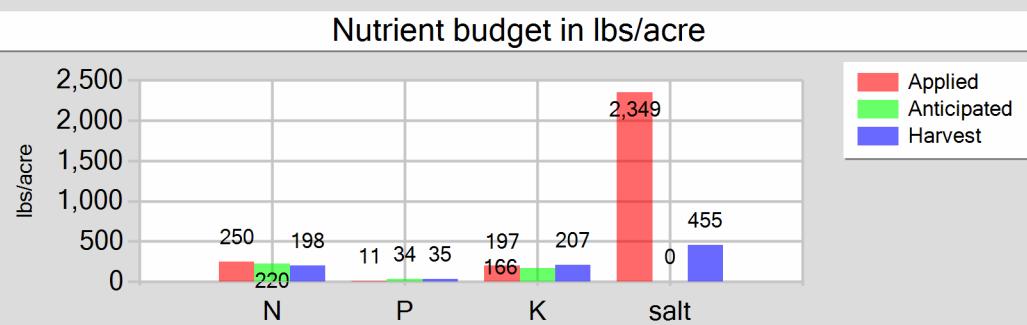
Reporting period 01/01/2023 to 12/31/2023.

17 - 11/14/2022: Wheat, silage, soft dough

Field name: 17

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



	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	75.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	137.68	11.29	196.61	1,651.90
Fresh water	30.05	0.00	0.00	697.14
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	249.73	11.29	196.61	2,349.04
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	198.00	35.20	206.80	454.54
Nutrient balance	51.73	-23.91	-10.19	1,894.50
Applied to removed ratio	1.26	0.32	0.95	5.17

Fresh water applied

59,295,106.47 gallons
2,183.64 acre-inches
22.99 inches/acre

Process wastewater applied

1,919,262.39 gallons
70.68 acre-inches
0.74 inches/acre

Total harvests for the crop

1 harvests

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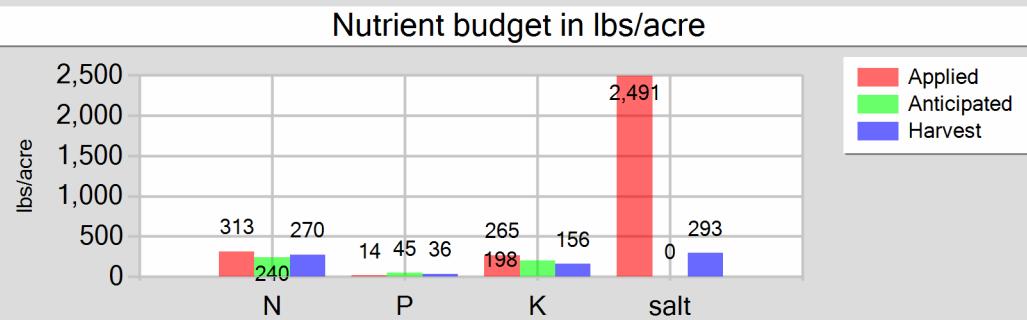
Reporting period 01/01/2023 to 12/31/2023.

17 - 07/01/2023: Corn, silage

Field name: 17

Crop: Corn, silage

Plant date: 07/01/2023



	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	125.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	168.43	13.75	265.44	1,746.02
Fresh water	12.14	0.00	0.00	744.93
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	312.57	13.75	265.44	2,490.95
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	270.00	36.00	156.00	292.64
Nutrient balance	42.57	-22.25	109.44	2,198.31
Applied to removed ratio	1.16	0.38	1.70	8.51

Fresh water applied

106,269,786.63 gallons
3,913.55 acre-inches
41.20 inches/acre

Process wastewater applied

2,280,957.00 gallons
84.00 acre-inches
0.88 inches/acre

Total harvests for the crop

1 harvests

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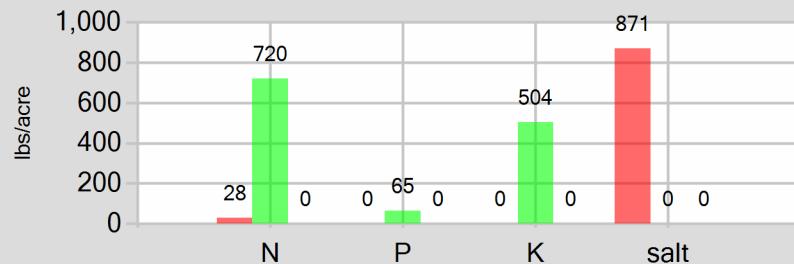
18 - 12/18/2020: Alfalfa, hay

Field name: 18

Crop: Alfalfa, hay

Plant date: 12/18/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	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	14.19	0.00	0.00	871.35
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	28.19	0.00	0.00	871.35
Anticipated crop nutrient removal	720.00	64.80	504.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	28.19	0.00	0.00	871.35
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied

105,986,296.26 gallons
3,903.11 acre-inches
48.19 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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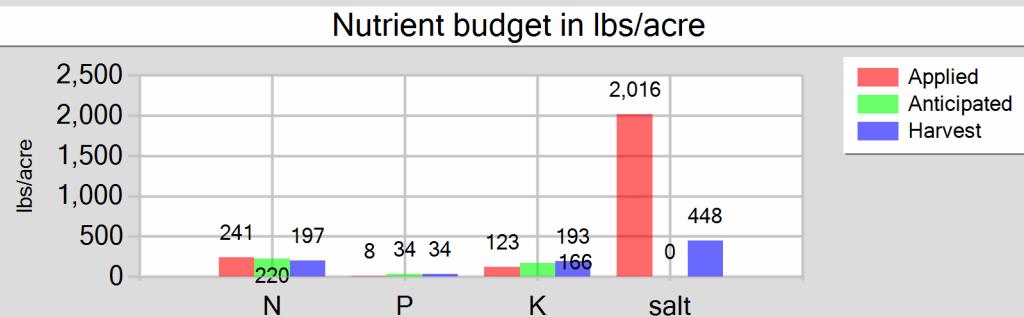
Reporting period 01/01/2023 to 12/31/2023.

19 - 11/26/2022: Wheat, silage, soft dough

Field name: 19

Crop: Wheat, silage, soft dough

Plant date: 11/26/2022



	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	100.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	91.99	7.57	123.29	1,009.85
Fresh water	41.96	0.00	0.00	1,006.06
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	240.95	7.57	123.29	2,015.91
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	197.40	33.60	193.20	447.53
Nutrient balance	43.55	-26.03	-69.91	1,568.38
Applied to removed ratio	1.22	0.23	0.64	4.50

Fresh water applied
53,638,333.11 gallons
1,975.32 acre-inches
23.24 inches/acre

Process wastewater applied
1,107,893.40 gallons
40.80 acre-inches
0.48 inches/acre

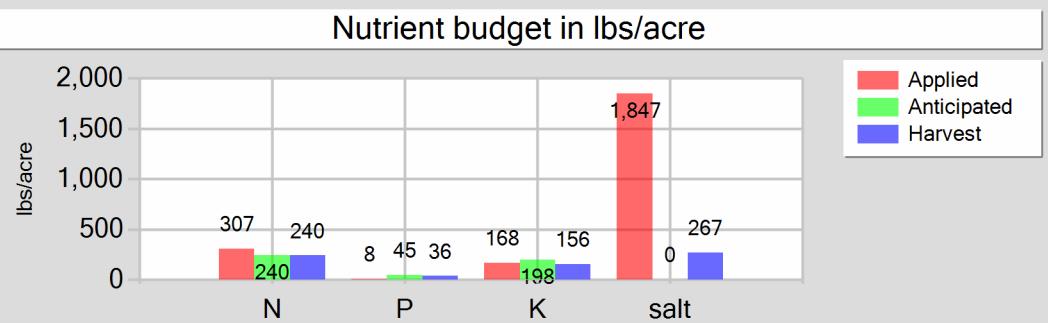
Total harvests for the crop
1 harvests

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

19 - 07/04/2023: Corn, silage

Field name: 19 Crop: Corn, silage Plant date: 07/04/2023



	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	175.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	112.44	8.32	167.65	1,094.57
Fresh water	12.26	0.00	0.00	752.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	306.70	8.32	167.65	1,847.08
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	240.00	36.00	156.00	267.31
Nutrient balance	66.70	-27.68	11.65	1,579.77
Applied to removed ratio	1.28	0.23	1.07	6.91

Fresh water applied
96,051,099.27 gallons
3,537.24 acre-inches
41.61 inches/acre

Process wastewater applied
1,319,696.55 gallons
48.60 acre-inches
0.57 inches/acre

Total harvests for the crop
1 harvests

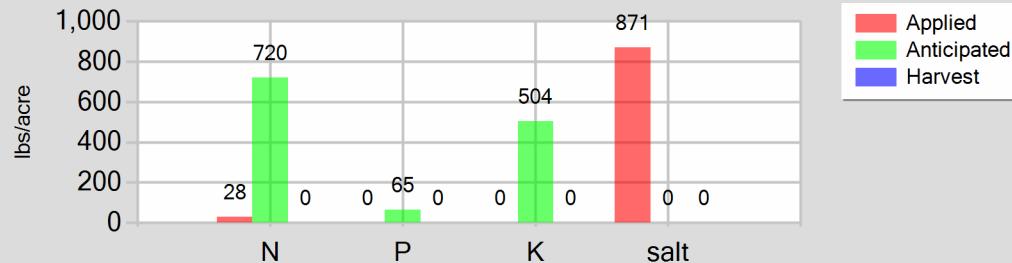
Annual Report - General Order No. R5-2007-0035

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

2 - 11/05/2020: Alfalfa, hay

Field name: 2 Crop: Alfalfa, hay Plant date: 11/05/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	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	14.18	0.00	0.00	870.73
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	28.18	0.00	0.00	870.73
Anticipated crop nutrient removal	720.00	64.80	504.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	28.18	0.00	0.00	870.73
Applied to removed ratio	0.00	0.00	0.00	0.00

Fresh water applied

48,379,097.97 gallons
1,781.64 acre-inches
48.15 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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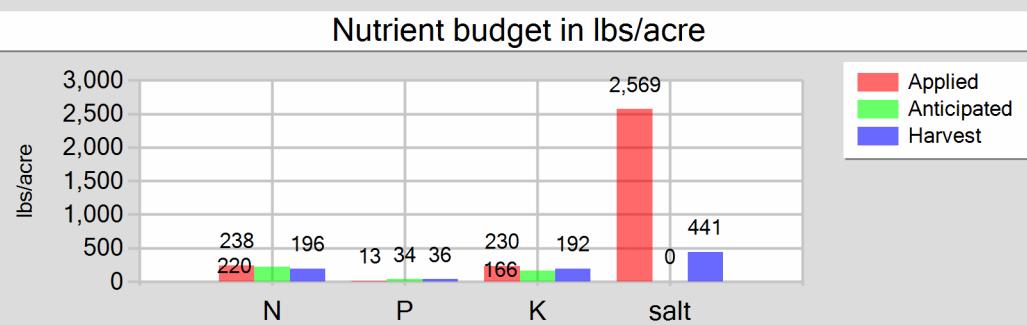
Reporting period 01/01/2023 to 12/31/2023.

3a - 11/14/2022: Wheat, silage, soft dough

Field name: 3a

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	23,330,931.60 gallons
Plowdown credit	0.00	0.00	0.00	0.00	859.20 acre-inches
Commercial fertilizer / Other	65.00	0.00	0.00	0.00	23.87 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	156.55	12.82	230.20	1,955.44	Process wastewater applied
Fresh water	9.01	0.00	0.00	614.01	840,695.58 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	30.96 acre-inches
Total nutrients applied	237.56	12.82	230.20	2,569.45	0.86 inches/acre
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00	Total harvests for the crop
Actual crop nutrient removal	196.00	36.00	192.00	440.66	1 harvests
Nutrient balance	41.56	-23.18	38.20	2,128.79	
Applied to removed ratio	1.21	0.36	1.20	5.83	

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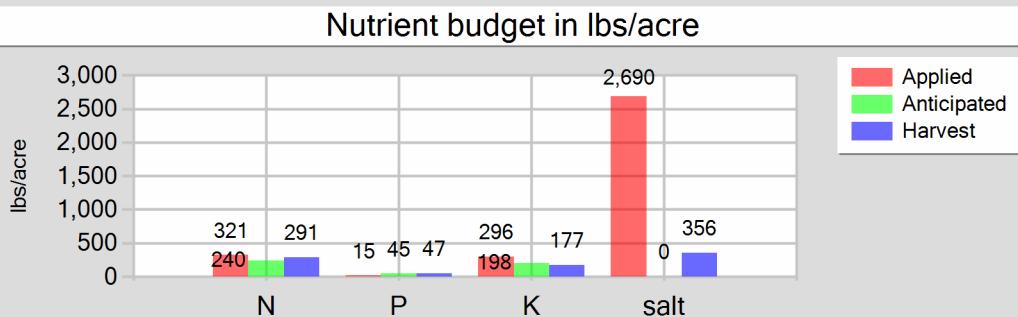
Reporting period 01/01/2023 to 12/31/2023.

3a - 06/22/2023: Corn, silage

Field name: 3a

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	115.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	186.82	15.37	295.76	1,946.60
Fresh water	12.11	0.00	0.00	743.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	320.92	15.37	295.76	2,689.74
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	291.20	46.80	176.80	355.90
Nutrient balance	29.72	-31.43	118.96	2,333.84
Applied to removed ratio	1.10	0.33	1.67	7.56

Fresh water applied

40,174,169.79 gallons
1,479.48 acre-inches
41.10 inches/acre

Process wastewater applied

961,260.45 gallons
35.40 acre-inches
0.98 inches/acre

Total harvests for the crop

1 harvests

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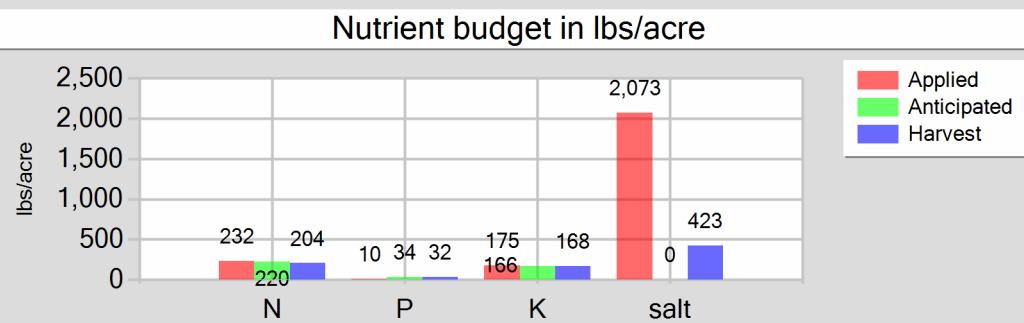
Reporting period 01/01/2023 to 12/31/2023.

3b - 11/14/2022: Wheat, silage, soft dough

Field name: 3b

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



	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	95.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	121.19	9.93	175.48	1,482.11
Fresh water	8.74	0.00	0.00	590.97
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	231.93	9.93	175.48	2,073.08
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	204.00	32.00	168.00	422.93
Nutrient balance	27.93	-22.07	7.48	1,650.15
Applied to removed ratio	1.14	0.31	1.04	4.90

Fresh water applied

19,225,209.00 gallons
708.00 acre-inches
23.60 inches/acre

Process wastewater applied

537,654.15 gallons
19.80 acre-inches
0.66 inches/acre

Total harvests for the crop

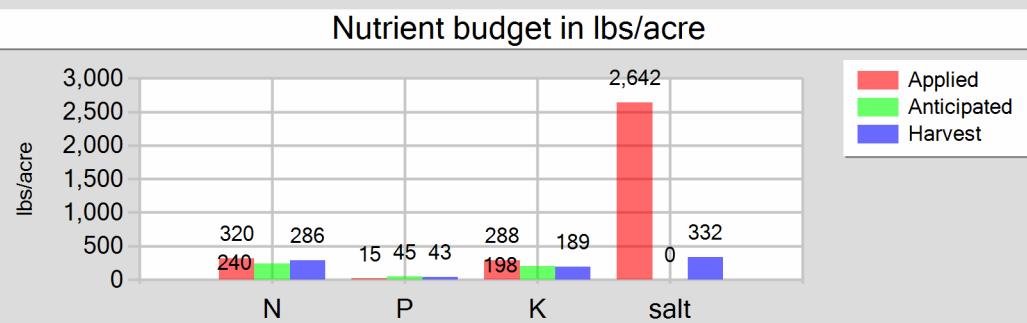
1 harvests

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

3b - 06/22/2023: Corn, silage

Field name: 3b 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	120.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	180.80	15.08	288.48	1,900.61
Fresh water	12.08	0.00	0.00	741.69
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	319.88	15.08	288.48	2,642.30
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	286.20	43.20	189.00	332.46
Nutrient balance	33.68	-28.12	99.48	2,309.84
Applied to removed ratio	1.12	0.35	1.53	7.95

Fresh water applied
33,412,761.54 gallons
1,230.48 acre-inches
41.02 inches/acre

Process wastewater applied
778,783.89 gallons
28.68 acre-inches
0.96 inches/acre

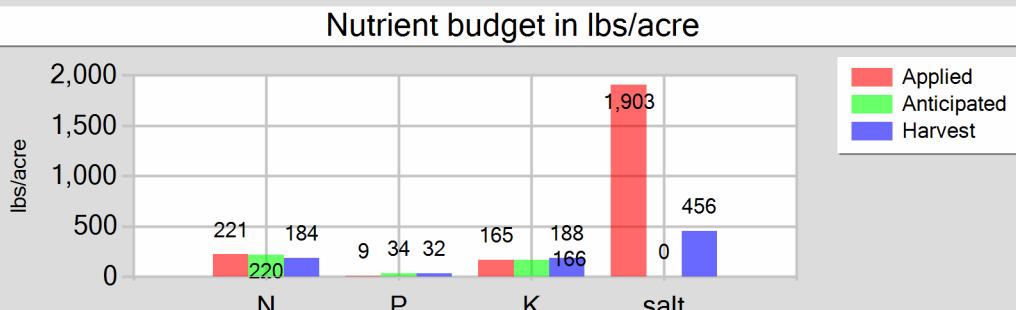
Total harvests for the crop
1 harvests

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

4 - 11/21/2022: Wheat, silage, soft dough

Field name: 4 Crop: Wheat, silage, soft dough Plant date: 11/21/2022



	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	95.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	112.47	9.21	165.45	1,405.71
Fresh water	6.90	0.00	0.00	497.28
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	221.36	9.21	165.45	1,902.99
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	184.00	32.00	188.00	455.71
Nutrient balance	37.36	-22.79	-22.55	1,447.27
Applied to removed ratio	1.20	0.29	0.88	4.18

Fresh water applied
61,774,832.58 gallons
2,274.96 acre-inches
22.75 inches/acre

Process wastewater applied
1,678,132.65 gallons
61.80 acre-inches
0.62 inches/acre

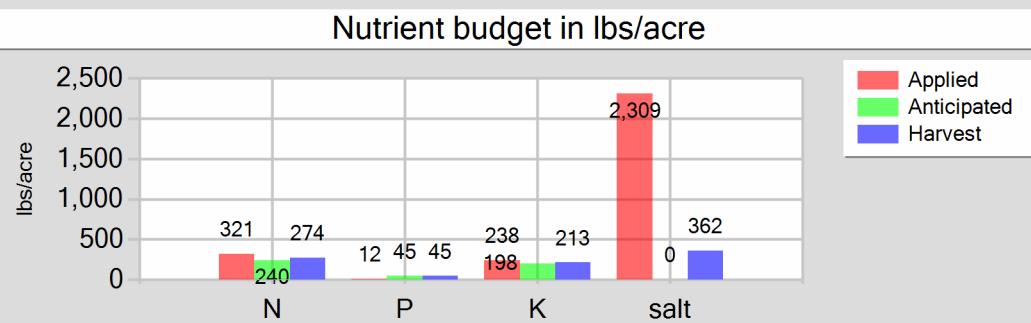
Total harvests for the crop
1 harvests

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

4 - 07/01/2023: Corn, silage

Field name: 4 Crop: Corn, silage Plant date: 07/01/2023



	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	150.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	152.04	12.30	238.29	1,566.26
Fresh water	12.11	0.00	0.00	743.16
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	321.15	12.30	238.29	2,309.42
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	274.40	44.80	212.80	362.44
Nutrient balance	46.75	-32.50	25.49	1,946.97
Applied to removed ratio	1.17	0.27	1.12	6.37

Fresh water applied
111,597,450.48 gallons
4,109.75 acre-inches
41.10 inches/acre

Process wastewater applied
2,160,392.13 gallons
79.56 acre-inches
0.80 inches/acre

Total harvests for the crop
1 harvests

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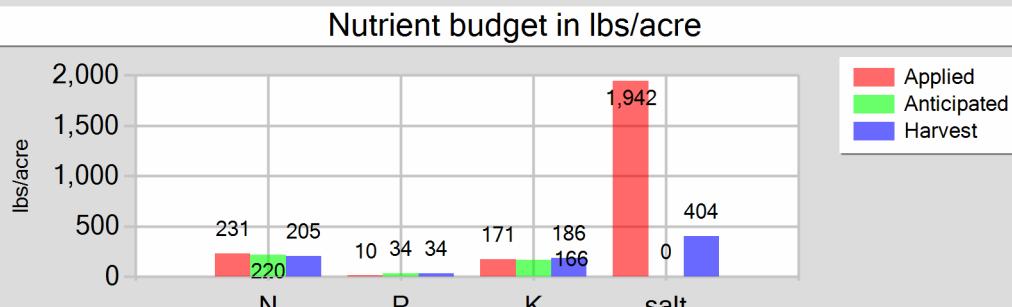
Reporting period 01/01/2023 to 12/31/2023.

5 - 11/17/2022: Wheat, silage, soft dough

Field name: 5

Crop: Wheat, silage, soft dough

Plant date: 11/17/2022



	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	95.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	121.80	10.00	170.91	1,426.23
Fresh water	7.13	0.00	0.00	515.39
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	230.93	10.00	170.91	1,941.62
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	205.20	34.20	186.20	403.56
Nutrient balance	25.73	-24.20	-15.29	1,538.06
Applied to removed ratio	1.13	0.29	0.92	4.81

Fresh water applied

60,624,578.55 gallons
2,232.60 acre-inches
23.50 inches/acre

Process wastewater applied

1,681,391.16 gallons
61.92 acre-inches
0.65 inches/acre

Total harvests for the crop

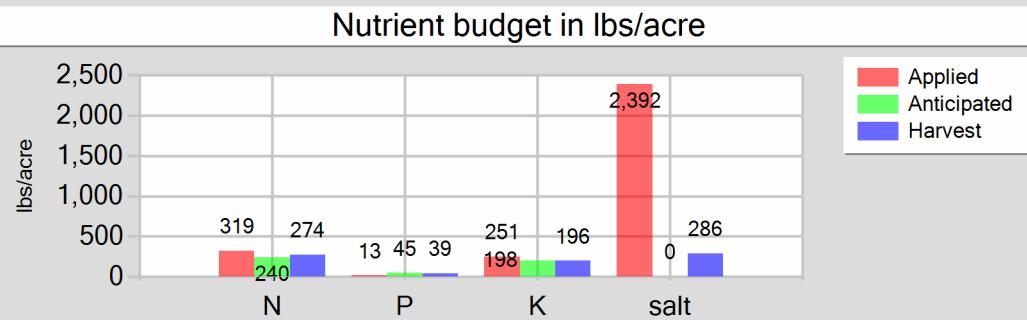
1 harvests

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

5 - 07/03/2023: Corn, silage

Field name: 5 Crop: Corn, silage Plant date: 07/03/2023



	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	140.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	160.04	12.94	250.83	1,648.69
Fresh water	12.10	0.00	0.00	742.92
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	319.15	12.94	250.83	2,391.61
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	274.40	39.20	196.00	286.00
Nutrient balance	44.75	-26.26	54.83	2,105.61
Applied to removed ratio	1.16	0.33	1.28	8.36

Fresh water applied
105,983,037.75 gallons
3,902.99 acre-inches
41.08 inches/acre

Process wastewater applied
2,160,392.13 gallons
79.56 acre-inches
0.84 inches/acre

Total harvests for the crop
1 harvests

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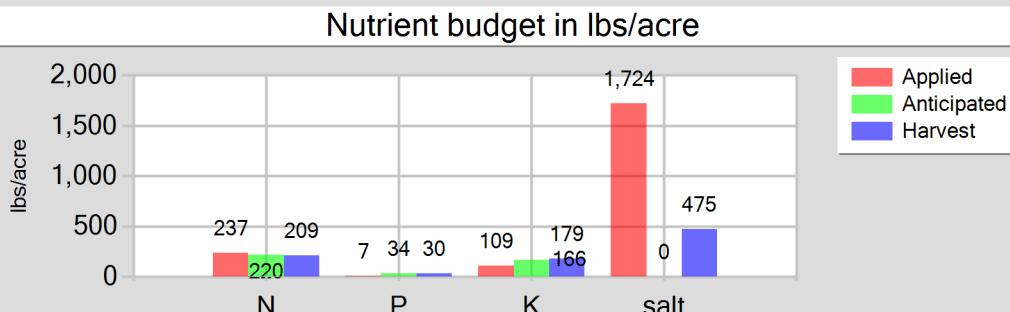
Reporting period 01/01/2023 to 12/31/2023.

6 - 11/16/2022: Wheat, silage, soft dough

Field name: 6

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	115.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	83.07	6.84	109.03	885.12
Fresh water	32.07	0.00	0.00	838.93
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	237.13	6.84	109.03	1,724.04
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	209.00	30.40	178.60	475.08
Nutrient balance	28.13	-23.56	-69.57	1,248.96
Applied to removed ratio	1.13	0.22	0.61	3.63

Fresh water applied

62,618,786.67 gallons
2,306.04 acre-inches
23.53 inches/acre

Process wastewater applied

1,140,478.50 gallons
42.00 acre-inches
0.43 inches/acre

Total harvests for the crop

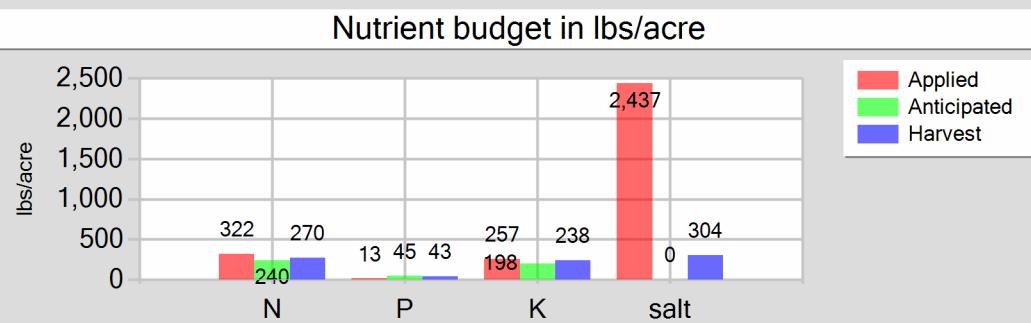
1 harvests

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

6 - 07/03/2023: Corn, silage

Field name: 6 Crop: Corn, silage Plant date: 07/03/2023



	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	140.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	163.28	13.33	257.32	1,692.57
Fresh water	12.12	0.00	0.00	744.14
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	322.40	13.33	257.32	2,436.70
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	270.00	43.20	237.60	304.48
Nutrient balance	52.40	-29.87	19.72	2,132.23
Applied to removed ratio	1.19	0.31	1.08	8.00

Fresh water applied
109,508,745.57 gallons
4,032.83 acre-inches
41.15 inches/acre

Process wastewater applied
2,280,957.00 gallons
84.00 acre-inches
0.86 inches/acre

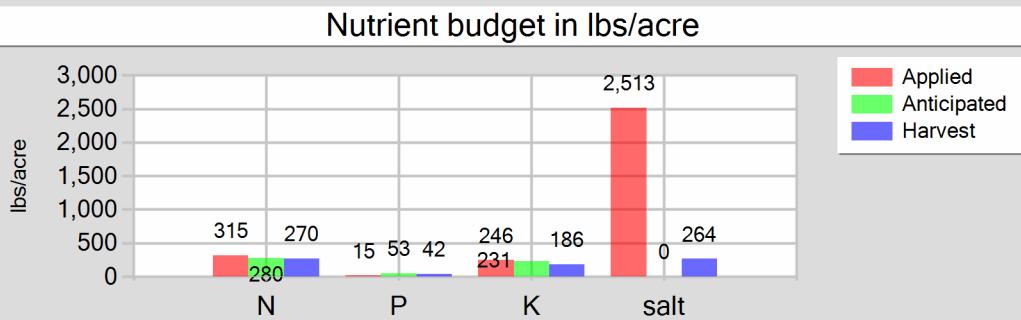
Total harvests for the crop
1 harvests

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

7 - 04/24/2023: Corn, silage

Field name: 7 Crop: Corn, silage Plant date: 04/24/2023



	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	125.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	163.41	14.86	246.09	1,717.31
Fresh water	12.96	0.00	0.00	795.26
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	315.37	14.86	246.09	2,512.57
Anticipated crop nutrient removal	280.00	52.50	231.00	0.00
Actual crop nutrient removal	270.00	42.00	186.00	264.38
Nutrient balance	45.37	-27.14	60.09	2,248.18
Applied to removed ratio	1.17	0.35	1.32	9.50

Fresh water applied
97,924,742.52 gallons
3,606.24 acre-inches
43.98 inches/acre

Process wastewater applied
1,919,262.39 gallons
70.68 acre-inches
0.86 inches/acre

Total harvests for the crop
1 harvests

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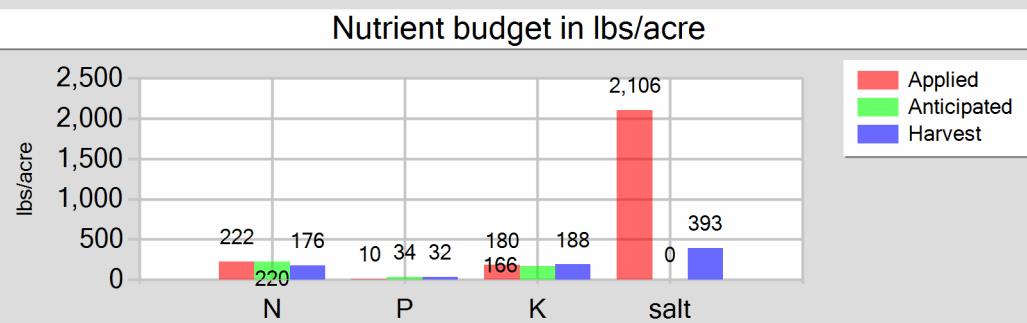
Reporting period 01/01/2023 to 12/31/2023.

8 - 11/24/2022: Wheat, silage, soft dough

Field name: 8

Crop: Wheat, silage, soft dough

Plant date: 11/24/2022



	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	85.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	122.39	10.02	180.35	1,533.24
Fresh water	7.48	0.00	0.00	572.99
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	221.87	10.02	180.35	2,106.23
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	176.00	32.00	188.00	392.80
Nutrient balance	45.87	-21.98	-7.65	1,713.42
Applied to removed ratio	1.26	0.31	0.96	5.36

Fresh water applied

51,911,322.81 gallons
1,911.72 acre-inches
23.31 inches/acre

Process wastewater applied

1,498,914.60 gallons
55.20 acre-inches
0.67 inches/acre

Total harvests for the crop

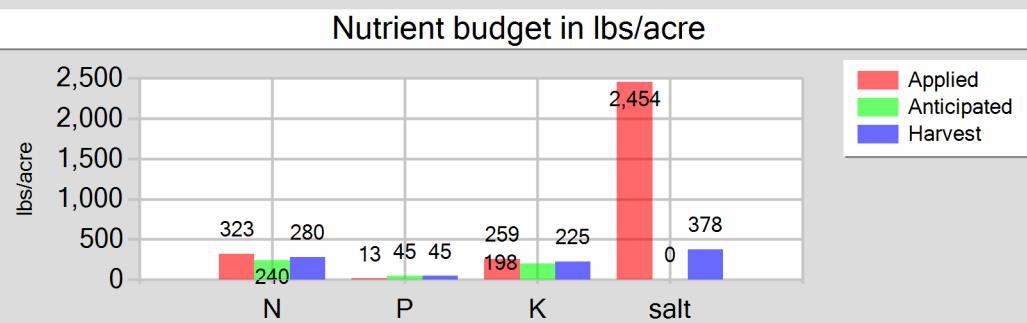
1 harvests

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

8 - 07/01/2023: Corn, silage

Field name: 8 Crop: Corn, silage Plant date: 07/01/2023



	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	140.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	163.71	13.48	259.30	1,706.76
Fresh water	12.17	0.00	0.00	747.25
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	322.89	13.48	259.30	2,454.01
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	280.00	45.00	225.00	378.42
Nutrient balance	42.89	-31.52	34.30	2,075.59
Applied to removed ratio	1.15	0.30	1.15	6.48

Fresh water applied
92,013,805.38 gallons
3,388.56 acre-inches
41.32 inches/acre

Process wastewater applied
1,919,262.39 gallons
70.68 acre-inches
0.86 inches/acre

Total harvests for the crop
1 harvests

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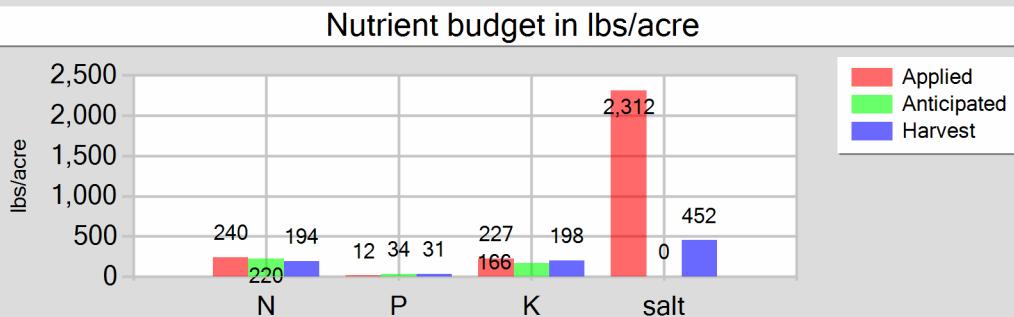
Reporting period 01/01/2023 to 12/31/2023.

9 - 11/24/2022: Wheat, silage, soft dough

Field name: 9

Crop: Wheat, silage, soft dough

Plant date: 11/24/2022



	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	75.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	151.21	12.37	227.42	1,947.73
Fresh water	7.22	0.00	0.00	364.67
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	240.43	12.37	227.42	2,312.40
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	193.60	30.80	198.00	451.70
Nutrient balance	46.83	-18.43	29.42	1,860.70
Applied to removed ratio	1.24	0.40	1.15	5.12

Fresh water applied

52,989,889.62 gallons
1,951.44 acre-inches
23.23 inches/acre

Process wastewater applied

1,919,262.39 gallons
70.68 acre-inches
0.84 inches/acre

Total harvests for the crop

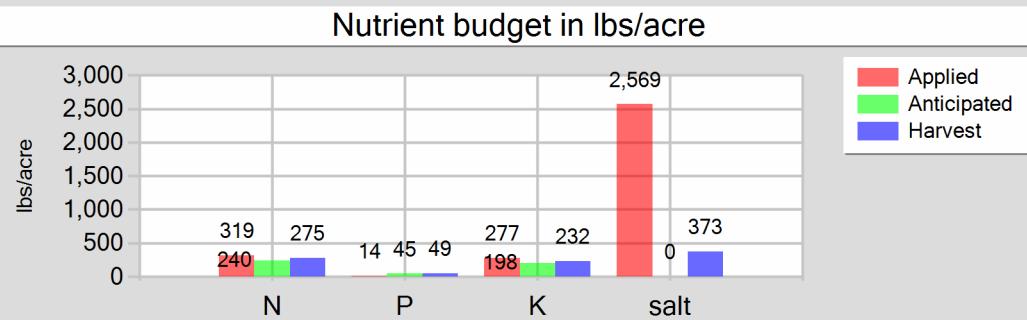
1 harvests

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9 - 07/06/2023: Corn, silage

Field name: 9 Crop: Corn, silage Plant date: 07/06/2023



	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	125.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	175.31	14.37	276.86	1,821.59
Fresh water	12.18	0.00	0.00	747.75
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	319.49	14.37	276.86	2,569.34
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	275.40	48.60	232.20	372.60
Nutrient balance	44.09	-34.23	44.66	2,196.74
Applied to removed ratio	1.16	0.30	1.19	6.90

Fresh water applied
94,320,830.46 gallons
3,473.52 acre-inches
41.35 inches/acre

Process wastewater applied
2,101,738.95 gallons
77.40 acre-inches
0.92 inches/acre

Total harvests for the crop
1 harvests

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

NUTRIENT ANALYSES**A. MANURE ANALYSES****M35642**

Sample and source description: M35642

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

Moisture: 19.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,100.00	3,100.00	4,000.00							0.00
DL	100.00	200.00	200.00							0.01

M52847

Sample and source description: M52847

Sample date: 06/16/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 14.5 %

	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	4,300.00	2,700.00	1,900.00							0.00
DL	100.00	200.00	200.00							0.01

M73209

Sample and source description: M73209

Sample date: 11/17/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 41.3 %

	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	12,400.00	2,600.00	3,000.00	14,100.00	2,100.00	1,000.00	1,600.00	1,200.00		33.40
DL	100.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00		0.10

B. PROCESS WASTEWATER ANALYSES

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L41354

Sample and source description: L41354

Sample date: 12/12/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	760.00	631.00	0.00	0.00	61.90	1,230.00								16,300.00	10,800
DL	10.00	2.00	0.20	0.20	0.20	0.50								100.00	10

L45061

Sample and source description: L45061

Sample date: 03/30/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	911.00	781.00	0.00	0.00	75.40	1,060.00								12,200.00	8,130
DL	10.00	2.00	0.20	0.01	0.20	0.50								100.00	10

L52850

Sample and source description: L52850

Sample date: 06/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	792.00	742.00	0.00	0.00	76.50	1,380.00	234.00	166.00	468.00	98.50	5.00	183.00	19.10	13,800.00	9,190
DL	10.00	2.00	0.10	0.10	0.20	0.50	2.00	2.00	2.00	5.00	5.00	2.00	2.00	100.00	10

L66983

Sample and source description: L66983

Sample date: 09/27/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	977.00	968.00	0.00	0.00	46.60	1,170.00								11,100.00	7,380
DL	10.00	2.00	0.01	0.01	0.20	0.50								100.00	10

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

L73211

Sample and source description: L73211

Sample date: 11/17/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	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	355.00	353.00	0.00	0.00	35.20	319.00								4,360.00	2,900
DL	10.00	2.00	0.01	0.01	0.20	0.50								100.00	10

C. FRESH WATER ANALYSES

Canal

VI2341888

Sample description: VI2341888

Sample date: 03/30/2023 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			1.30								133.00	
DL			0.40								1.00	

Fld 2

VI2249569

Sample description: VI2249569

Sample date: 12/08/2022 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		0.00	5.20	15.00	1.00	56.00	100.00	0.00	8.50	23.00	337.00	240
DL		0.20	0.40	1.00	1.00	1.00	10.00	10.00	0.17	1.00	1.00	20

Fld 8A

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Irr 8A

VI2244755

Sample description: VI2244755

Sample date: 06/29/2022 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		0.00	1.60								256.00	
DL		0.01	0.20								1.00	

Irr 4

VI2248066

Sample description: VI2248066

Sample date: 10/13/2022 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		0.00	39.20								917.00	
DL		0.20	0.20								1.00	

Irr 5

VI2247704

Sample description: VI2247704

Sample date: 09/29/2022 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		0.00	0.20	4.00	2.00	48.00	30.00	20.00	2.50	11.00	178.00	120
DL		0.20	0.10	1.00	1.00	1.00	10.00	10.00	0.17	1.00	1.00	20

Irr 6

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

Irr 6

VI2247706

Sample description: VI2247706

Sample date: 09/29/2022 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		0.00	1.40								207.00	
DL		0.20	0.20								1.00	

Irr 8

VI2244755

Sample description: VI2244755

Sample date: 06/29/2022 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		0.00	1.50	3.00	0.00	20.00	20.00	0.00	7.80	9.00	112.00	50
DL		0.01	0.10	1.00	1.00	1.00	10.00	10.00	0.50	1.00	1.00	20

Irr 9

VI2243813

Sample description: VI2243813

Sample date: 05/26/2022 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		0.00	2.20								271.00	
DL		0.20	0.20								1.00	

Manzanillo N

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

Manzanillo N

VI2248066

Sample description: VI2248066

Sample date: 10/13/2022 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		0.00	13.20								536.00	
DL		0.20	0.20								1.00	

Manzanillo S

VI2247706

Sample description: VI2247706

Sample date: 09/29/2022 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		0.00	25.40								731.00	
DL		0.20	0.20								1.00	

Rhodes N

VI2243813

Sample description: VI2243813

Sample date: 05/26/2022 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		0.00	14.10								391.00	
DL		0.20	0.20								1.00	

D. SOIL ANALYSES

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

1

06-12S53628

Sample and source description: 06-12S53628Sample date: 06/12/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			34.30				
DL			1.10				

10

06-12S53628

Sample and source description: 06-12S53628Sample date: 06/12/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			41.60				
DL			1.10				

2

06-12S53628

Sample and source description: 06-12S53628Sample date: 06/12/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			90.40				
DL			1.10				

E. PLANT TISSUE ANALYSES

17 - 11/14/2022: Wheat, silage, soft dough

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

17 - 11/14/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	800.00	4,700.00		2.96
DL	500.00	200.00	200.00		0.05

17 - 07/01/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	600.00	2,600.00		1.51
DL	500.00	200.00	200.00		0.05

19 - 11/26/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,700.00	800.00	4,600.00		3.01
DL	500.00	200.00	200.00		0.05

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

19 - 07/04/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,000.00	600.00	2,600.00		1.49
DL	500.00	200.00	200.00		0.05

3a - 11/14/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,900.00	900.00	4,800.00		3.01
DL	500.00	200.00	200.00		0.05

3a - 06/22/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,600.00	900.00	3,400.00		1.87
DL	500.00	200.00	200.00		0.05

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

3b - 11/14/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	800.00	4,200.00		2.97
DL	500.00	200.00	200.00		0.05

3b - 06/22/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,300.00	800.00	3,500.00		1.86
DL	500.00	200.00	200.00		0.05

4 - 11/21/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 62.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,600.00	800.00	4,700.00		3.03
DL	500.00	200.00	200.00		0.05

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

4 - 07/01/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,900.00	800.00	3,800.00		2.01
DL	500.00	200.00	200.00		0.05

5 - 11/17/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,400.00	900.00	4,900.00		2.95
DL	500.00	200.00	200.00		0.05

5 - 07/03/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,900.00	700.00	3,500.00		1.68
DL	500.00	200.00	200.00		0.05

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

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

6 - 11/16/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 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	5,500.00	800.00	4,700.00		3.11
DL	500.00	200.00	200.00		0.05

6 - 07/03/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	800.00	4,400.00		1.79
DL	500.00	200.00	200.00		0.05

7 - 04/24/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	700.00	3,100.00		1.36
DL	500.00	200.00	200.00		0.05

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

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

8 - 11/24/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,400.00	800.00	4,700.00		2.83
DL	500.00	200.00	200.00		0.05

8 - 07/01/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 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	5,600.00	900.00	4,500.00		2.12
DL	500.00	200.00	200.00		0.05

9 - 11/24/2022: Wheat, silage, soft dough

H63564

Sample and source description: H63564

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,400.00	700.00	4,500.00		2.95
DL	500.00	200.00	200.00		0.05

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

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

9 - 07/06/2023: Corn, silage

H74503

Sample and source description: H74503

Sample date: 12/22/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	900.00	4,300.00		2.00
DL	500.00	200.00	200.00		0.05

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

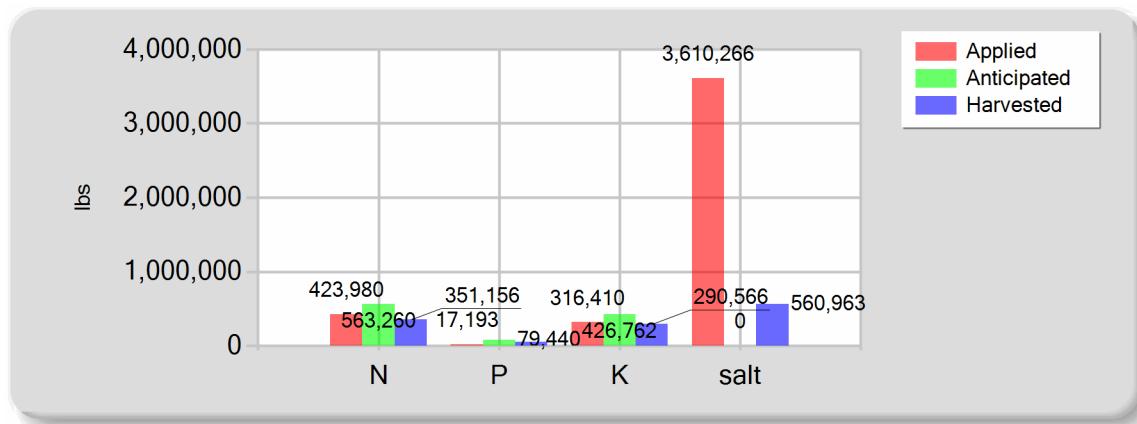
No subsurface (tile) drainage analyses entered.

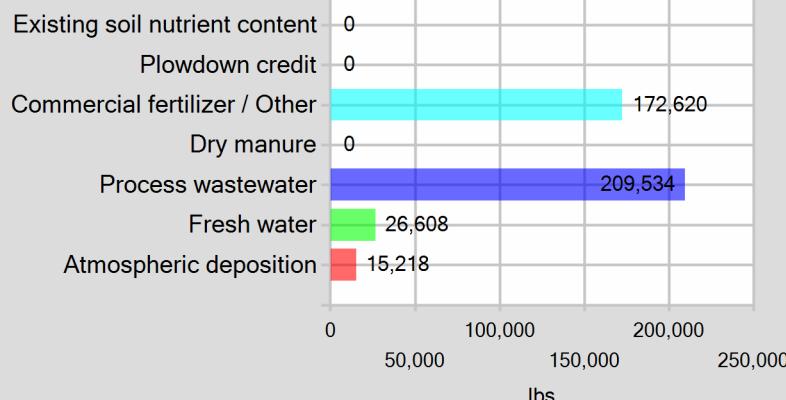
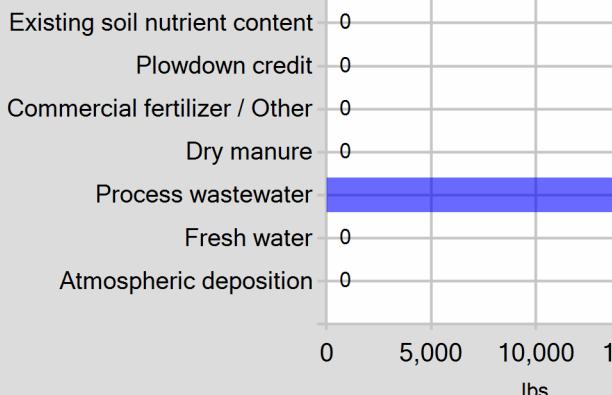
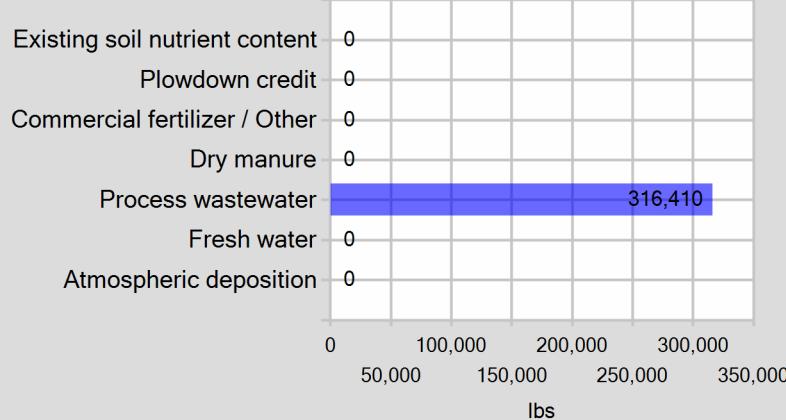
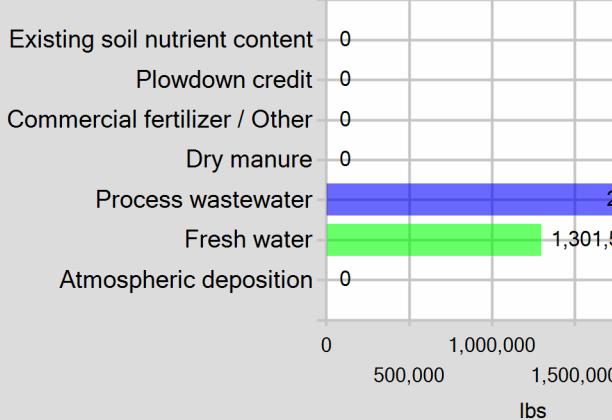
Annual Report - General Order No. R5-2007-0035

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	172,620.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	209,533.95	17,192.97	316,410.29	2,308,681.03
Fresh water	26,607.96	0.00	0.00	1,301,584.73
Atmospheric deposition	15,218.00	0.00	0.00	0.00
Total nutrients applied	423,979.91	17,192.97	316,410.29	3,610,265.76
Anticipated crop nutrient removal	563,260.00	79,440.00	426,762.00	0.00
Actual crop nutrient removal	351,156.20	56,210.20	290,566.20	560,962.80
Nutrient balance	72,823.71	-39,017.23	25,844.09	3,049,302.96
Applied to removed ratio	1.21	0.31	1.09	6.44

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE**Pounds of nitrogen applied****Pounds of phosphorus applied****Pounds of potassium applied****Pounds of salt applied**

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

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

EXCEPTION REPORTING

A. MANURE, PROCESS WASTEWATER, AND OTHER DAIRY WASTE DISCHARGES

The following is a summary of all manure and process wastewater discharges from the production area to surface water or to land areas (land application areas or otherwise) when not in accordance with the facility's Nutrient Management Plan.

No manure or process wastewater discharges occurred during the reporting period.

B. STORM WATER DISCHARGES

The following is a summary of all storm water discharges from the production area to surface water during the reporting period when not in accordance with the facility's Nutrient Management Plan.

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

The following is a summary of all discharges from the land application area to surface water that have occurred during the reporting period when not in accordance with the facility's Nutrient Management Plan.

No land application area to surface water discharges occurred during the reporting period.

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period? Yes _____

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes _____

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes _____

B. EXPORT AGREEMENT STATEMENT

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period? No _____

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

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

ADDITIONAL NOTES

A. NOTES

1. As stated in the Annual Report, and required by the General Order, the dairies onsite Nutrient Management Plan has been updated and completed by a certified agronomist. The dairy conducts its nutrient budgeting based on this certified plan, and only uses the Annual Report as a complimentary guide. Submission of the nutrient budget in this annual report is done solely to satisfy the requirements of the General Orders monitoring and reporting section.
2. All graphs in the annual report display an amount of applied and removed salt. There are many ways inputs and exports of salt can accounted for. The Merced County website does not account for all of them. The graphs convey a partial / incomplete portrayal of salts (depending on how salts are defined, measured, and evaluated).
3. The General Order requires the submission of all land applications in the "calendar year" of the reporting period. This has been submitted. However, land applications that occur post harvest of the Fall forage of the previous calendar year are intended for the use of the Spring forage of the following calendar year (reporting period) as crop cycles do not work on calendar year dates. When such land applications occur in the previous calendar year, previous years analytical data representing the applications have been inputted to represent nutrients intended for the reporting periods Spring crop. As such, any land application that occurs post harvest of the Fall forage in the reporting period that is intended for the Spring forage of the following calendar year will not be inputted until the following years Annual Report so that the Merced County reporting program software does not mistakenly apply these applications to the incorrect crops as there is no way to accurately differentiate and display this situation in the Annual Report software .
4. All wastewater land applications were summarized by quarter using the corresponding wastewater quarterly sample to represent nutrient amounts applied. One application date per quarter per crop has been selected to represent all applications of wastewater for that crop during that quarter. The Annual Reports' nutrient budget is accurate to the Merced County website standards as the proper quarterly sample has been selected to represent nutrients applied during that specific quarter. Day specific records are kept on site and available upon request.

All fresh water land applications during the report period have been summarized into one application per source per crop. One application date has been selected to represent the reporting period for that crop. The Annual Reports' nutrient budget is accurate to the Merced County website standards as the proper source sample has been selected to represent nutrients applied during the reporting period. Day specific records are kept on site and available upon request.

5. The Annual Report program lists the possibility of the report being incomplete . The report is complete. There were no samples of alfalfa hay taken during the reporting period as no waste was applied to the crop.
6. Due to high volumes of available canal water, most, if not all wells remained idle during the growing season. Therefore little to no well samples exist. They will be sampled again when operable.

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

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

ANNUAL REPORT VALIDATION INFORMATION

A. VALIDATION ERRORS

The following sections contain validation errors and should be reviewed before submitting the Annual Report :

1. Harvest Events

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.

SIGNATURE OF OWNER OF FACILITY


Adam Te Velde

PRINT OR TYPE NAME

12/10/23

DATE

SIGNATURE OF OPERATOR OF FACILITY


Adam Te Velde

PRINT OR TYPE NAME

12/10/23

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.

April 12, 2023

Lab No. : VI 2341888
Customer No. : 4016916

Valley Tech Agricultural Lab Services
 Attn: Joe O' Brien
 2120 S. "K" St.
 Tulare, CA 93274

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

- | | | |
|-----------------|----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (1 page) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
Canal	03/30/2023	03/31/2023	VI 2341888-001	AGW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Discussion of Analytical Results:

Amended to correct project name.

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: JRD

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-04-12

Section: Case Narrative

Page 1 of 3

Amended

Page 1 of 3

Corporate Offices & Laboratory

853 Corporation Street
 Santa Paula, CA 93060
 TEL: (805)392-2000
 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
 CA ELAP Certification No. 1573

Office & Laboratory

2500 Stagecoach Road
 Stockton, CA 95215
 TEL: (209)942-0182
 FAX: (209)942-0423
 CA ELAP Certification No. 1563

Office & Laboratory

563 E. Lindo Avenue
 Chico, CA 95926
 TEL: (530)343-5818
 FAX: (530)343-3807
 CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D
 San Luis Obispo, CA 93401
 TEL: (805)783-2940
 FAX: (805)783-2912
 CA ELAP Certification No. 2775

Office & Laboratory

9415 W. Goshen Avenue
 Visalia, CA 93291
 TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

April 12, 2023

Valley Tech Agricultural Lab Services

Attn: Joe O' Brien
2120 S. "K" St.
Tulare, CA 93274

Description : Canal
Project : Dixie Creek Ranch

Lab No. : VI 2341888-001

Customer No.: 4016916

Sampled On : March 30, 2023 at 10:00
Sampled By : Vincent
Received On : March 31, 2023 at 10:40
Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrate Nitrogen	1.3	0.4	mg/L		1		03/31/2023	15:00	lfs	SM 4500-NO3 F	03/31/2023	16:56	lfs
Conductivity	133	1	umhos/cm		1		04/03/2023	15:15	amm	SM 4500-H+B	04/03/2023	22:13	amm

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

April 12, 2023

Valley Tech Agricultural Lab Services

Lab No. : VI 2341888
Customer No. : 4016916

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2341806-001)	Dup	umhos/cm		0%	5	
Nitrate Nitrogen	4500NO3F	03/31/2023:203438LFS (CH 2372042-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609 5.609	96.3% 96.6% 96.7% 0.1%	ND 80-120 66-125 66-125 ≤30.4	<0.4 80-120 66-125 66-125 ≤30.4

Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
 DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
 Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
 LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
 MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
 MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
 MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
 ND : Non-detect - Result was below the DQO listed for the analyte.

Valley Tech

4016916

2341888

2120 South 'K' Street
Tulare, California 93274
Office: 559 - 688-5684
Fax: 559 - 688-5768

AGRICULTURAL LABORATORY SERVICES

Billing: Sola Consulting Inc

Authorized Copy To: Nico Slabber

Phone: _____ Fax: _____

Email: Vincent-Slabber@gmail.com

FARM/DAIRY PROJECT: Dixie Creek Ranch

RANCH/Site: Dixie Creek Ranch

MATERIAL: () Lagoon Waste Water () Irrigation Water () Manure () Soil () Plant Tissue () Other: _____

CROP: _____ Stage: _____ Soil Depth: _____ Pattern: _____

Conditions-Comments: NH₄ N=O Field Collected By: Vincent

IRRIGATION/GROUND WATER

W-1 pH,EC,Ca,Mg,Na,K,B,HCO₃,CO₃,NO₃N,Cl,SO₄S,SAR/EC Ratio

W-2 EC, NO₃N, NH₄N

W-3 EC,NO₃N (Reg Standards)

W-4 EC,NO₃N, NH₄N, TDS, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl

W-5 EC,NO₃N,TDS,TP (Subsurface Drainage)

W-6 Other: _____

PLANT TISSUE

P-1 N, P, K, Ca, Mg, Zn, Mn, Fe, Cu, B (Big 10)

P-2 Complete (P1+Na,Cl)

P-3 Harvested Crop (N, P, K, DM, Ash): _____

P-4 TN or NO₃-N

P-5 Plant TN or NO₃-N, TP or PO₄-P, K, Zn

P-10 Other: _____

P-11 TN, NO₃N, PO₄P, K

P-12 TN, P, K

SOIL

S-1 SP, pH, EC, Ca, Mg, Na, K, Cl, ESP, LP, NO₃-N, PO₄-P, K-AA, Zn, Mn, Fe, Cu, SO₄-S, CEC

S-2 S-1 plus OM, TN, CaCO₃

S-3 SP, pH, EC, Ca, Mg, Na, K, ESP, LP, B, SO₄-S

S-4 SP, pH, EC, Ca, Mg, Na, K, ESP, LP, NO₃-N, PO₄-P, K-AA, Zn

S-14 Other: _____

PROCESS WASTE WATER (LAGOON)

L-1 EC,NH₄-N,TKN,TP,TK,TDS (Reg Standards)

L-2 EC,NH₄-N,TKN,TPTK,Ca,Mg,Na,HCO₃,CO₃,Cl,SO₄-S

L-3 pH,TDS,EC,NO₃N,NH₄N,TKN,TP,TK

L-4 Other: _____

MANURE

M-1 TN, TP, TK, %Moisture (Reg Standards)

M-2 TN, TP, TK, %Moisture,Ca, Mg, Na, Cl, S, Ash

M-5 Other: _____

Sample Description	Test	Date/Time
1 Canal	W3	3/30/23 10:00 AM
2		10:00 AM RRL12
3		
4		
5		
6		
7		
8		
9		
10		

Sample Description	Test	Date/Time
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

CHAIN of CUSTODY Sample Transfer

Signature - Name	Company	Received Date & Time	Relinquished Date & Time
1st	SCI	XXXXXXXXXXXXXXXXXXXX	
2nd	VT	3/30/23 10:00	XXXXXXXXXXXXXXXXXXXX
3rd	FTL	XXXXXXXXXXXXXXXXXXXX	3/30/23 10:40

Logged In By: AJ

FGL
TOTAL SAMPLES 1
3/30/23 10:40
V74

LABORATORY NUMBER
0330X-034
GLS 3/31/23
MLC 1326

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 108 / / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10°C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

- | | | | | |
|---|-------------------------------------|-----|----|-----|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="checkbox"/> | Yes | No | |
| 5. VOAs checked for Headspace? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 6. Were sample custody seals intact? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 7. If required, was sample split for pH analysis? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 8. Were all analyses within holding times at time of receipt? | <input checked="" type="checkbox"/> | Yes | No | |
| 9. Verify sample date, time and sampler name | <input checked="" type="checkbox"/> | Yes | No | |

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): MDC

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 10 / / / / /

Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

2. Shipping tracking numbers: 559108601 606
699

- | | | | | |
|---|-------------------------------------|-----|----|-----|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="checkbox"/> | Yes | No | |
| 5. Were sample custody seals intact? | <input checked="" type="checkbox"/> | Yes | No | N/A |

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

- | | | | | |
|---|-------------------------------------|-----|----|---------|
| 1. Were all requested analyses understood and acceptable? | <input checked="" type="checkbox"/> | Yes | No | |
| 2. Did bottle labels correspond with the client's ID's? | <input checked="" type="checkbox"/> | Yes | No | |
| 3. Were all bottles requiring sample preservation properly preserved?
<small>[Exception: Oil & Grease, VOA and CrVI verified in lab]</small> | <input checked="" type="checkbox"/> | Yes | No | N/A FGL |
| 4. VOAs checked for Headspace? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 5. Have rush or project due dates been checked and accepted? | <input checked="" type="checkbox"/> | Yes | No | N/A |
| 6. Were all analyses within holding times at time of receipt? | <input checked="" type="checkbox"/> | Yes | No | |

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): MDC

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem:

Resolution:

2. Person Contacted: _____

Phone Number: _____

Initiated By: _____

(4016916)

Valley Tech Agricultural Lab Services

VI 2341888

iv 03/31/2023 09:16:55



(Please use the back of this sheet for additional contacts)

January 5, 2024

Lab No. : VI 2348622
Customer No. : 4016916

Valley Tech Agricultural Lab Services
 Attn: Joe O' Brien
 2120 S. "K" St.
 Tulare, CA 93274

Laboratory Report

Introduction: This report package contains a total of 5 pages divided into 3 sections:

- | | | |
|-----------------|-----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (3 pages) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
DW3	12/18/2023	12/18/2023	VI 2348622-001	AGW
DW4	12/18/2023	12/18/2023	VI 2348622-002	AGW
DW5	12/18/2023	12/18/2023	VI 2348622-003	AGW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: EHB

Approved By **Kelly A. Dunnahoo, B.S.** 

Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2024-01-08

Section: Case Narrative

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January 5, 2024

Valley Tech Agricultural Lab Services

Attn: Joe O' Brien
2120 S. "K" St.
Tulare, CA 93274

Description : DW3

Project : Sola Consulting Inc-Dixie Creek

Lab No. : VI 2348622-001

Customer No.: 4016916

Sampled On : December 18, 2023 at 08:00

Sampled By : Vincent

Received On : December 18, 2023 at 14:38

Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrate	0.8	0.4	mg/L		1	J	12/19/2023	14:30	lfs	SM 4500-NO3 F	12/19/2023	16:56	lfs
Conductivity	274	1	umhos/cm		1		12/22/2023	09:20	krh	SM 4500-H+B	12/22/2023	13:19	krh

DQF Flags Definition:

J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

January 5, 2024

Valley Tech Agricultural Lab Services

Attn: Joe O' Brien
2120 S. "K" St.
Tulare, CA 93274

Description : DW4

Project : Sola Consulting Inc-Dixie Creek

Lab No. : VI 2348622-002

Customer No.: 4016916

Sampled On : December 18, 2023 at 08:05

Sampled By : Vincent

Received On : December 18, 2023 at 14:38

Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrate	294	2*	mg/L		5		12/19/2023	14:30	lfs	SM 4500-NO3 F	12/19/2023	18:25	lfs
Conductivity	1480	1	umhos/cm		1		12/22/2023	09:20	krh	SM 4500-H+B	12/22/2023	13:25	krh

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level * RL adjusted for dilution, Dil.=Dilution

January 5, 2024

Valley Tech Agricultural Lab Services

Attn: Joe O' Brien
2120 S. "K" St.
Tulare, CA 93274

Description : DW5

Project : Sola Consulting Inc-Dixie Creek

Lab No. : VI 2348622-003

Customer No.: 4016916

Sampled On : December 18, 2023 at 08:10

Sampled By : Vincent

Received On : December 18, 2023 at 14:38

Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrate	55.0	0.4	mg/L		1		12/19/2023	14:30	lfs	SM 4500-NO3 F	12/19/2023	17:16	lfs
Conductivity	538	1	umhos/cm		1		12/22/2023	09:20	krh	SM 4500-H+B	12/22/2023	13:28	krh

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level * RL adjusted for dilution, Dil.=Dilution

January 5, 2024

Valley Tech Agricultural Lab Services

Lab No. : VI 2348622
Customer No. : 4016916

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2348744-001)	Dup	umhos/cm		0.2%	5	
Nitrate	4500NO3F	12/19/2023:214315LFS (STK2357261-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 95.2% 95.4% 92.6% 1.4%	<0.4 80-120 66-125 66-125 ≤30.4	

Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
 DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
 Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
 LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
 MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
 MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
 MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
 ND : Non-detect - Result was below the DQO listed for the analyte.

Valley Tech

4016916

2120 South 'K' Street
Tulare, California 93274
Office: 559 - 688-5684
Fax: 559 - 688-5768

23486022

AGRICULTURAL LABORATORY SERVICES

Billing: Sola Consulting Inc

Authorized Copy To: Nica Slabber

Phone: _____ Fax: _____

Email: Vincent.Sola@gmail.com

FARM/DAIRY PROJECT: Dixie Creek

RANCH/Site: Dixie Creek

MATERIAL: Lagoon Waste Water Irrigation Water Manure Soil Plant Tissue Other: _____

CROP: _____ Stage: _____ Soil Depth: _____ Pattern: _____

Conditions-Comments: NH4 = 0 on all Collected By: Vincent

IRRIGATION/GROUND WATER

W-1 pH,EC,Ca,Mg,Na,K,B,HCO₃,CO₃,NO₃N,Cl,SO₄S,SAR/EC Ratio

W-2 EC,NO₃N,NH₄N

(W-3) EC,NO₃N (Reg Standards)

W-4 EC,NO₃N,NH₄N,TDS,Ca,Mg,Na,HCO₃,CO₃,SO₄S,Cl

W-5 EC,NO₃N,TDS,TP (Subsurface Drainage)

W-6 Other: _____

PLANT TISSUE

P-1 N,P,K,Ca,Mg,Zn,Mn,Fe,Cu,B (Big 10)

P-2 Complete (P1+Na,Cl)

P-3 Harvested Crop (N,P,K,DM,Ash): _____

P-4 TN or NO₃-N

P-5 Plant TN or NO₃-N,TP or PO₄-P,K,Zn

P-10 Other: _____

P-11 TN,NO₃N,PO₄P,K

P-12 TN,P,K

SOIL

S-1 SP,pH,EC,Ca,Mg,Na,K,Cl,ESP,L,P,NO₃-N,PO₄-P,K-AA,Zn,Mn,Fe,Cu,SO₄-S,CEC

S-2 S-1 plus OM,TN,CaCO₃

S-3 SP,pH,EC,Ca,Mg,Na,K,ESP,L,P,B,SO₄-S

S-4 SP,pH,EC,Ca,Mg,Na,K,ESP,L,P,NO₃-N,PO₄-P,K-AA,Zn

S-14 Other: _____

PROCESS WASTE WATER (LAGOON)

L-1 EC,NH₄-N,TKN,TP,TK,TDS (Reg Standards)

L-2 EC,NH₄-N,TKN,TP,TK,Ca,Mg,Na,HCO₃,CO₃,Cl,SO₄-S

L-3 pH,TDS,EC,NO₃N,NH₄N,TKN,TP,TK

L-4 Other: _____

MANURE

M-1 TN,TP,TK,%Moisture (Reg Standards)

M-2 TN,TP,TK,%Moisture,Ca,Mg,Na,Cl,S,Ash

M-5 Other: _____

Sample Description	Test	Date/Time
1 DW 3	W3	12/18 8am
2 DW 4	W3	12/18 805 am
3 DW 5	W3	12/18 810 am
4		
5		
6		
7		
8		
9		
10		

Sample Description	Test	Date/Time
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

CHAIN of CUSTODY Sample Transfer

Signature - Name	Company	Received Date & Time	Relinquished Date & Time
1st <i>[Signature]</i>	SC-T	XXXXXXXXXXXXXX	12/18/23 11:20 AM
2nd <i>[Signature]</i>	VT	12/18/23 11:20 AM	XXXXXXXXXXXXXX
3rd <i>[Signature]</i>	VT	XXXXXXXXXXXXXX	12/18/23 1438

SPG SPG

Logged In By: *[Signature]*

GLS JAW

TOTAL SAMPLES 3

12/19/23 1424

LABORATORY NUMBER 12-18X036

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: CC CH STK VI

1. Number of ice chests/packages received: 1 Shipping tracking #(s): OTL

2. Temp IR Gun ID #: 407

3. Were samples received on ice? Yes No Temps: 14.1°C / _____ / _____ / _____

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10°C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

4. Do the number of bottles received agree with the COC?

Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.)

Yes No

6. VOAs checked for Headspace?

Yes No N/A

7. Were all analyses within holding times at time of receipt?

Yes No

8. Verify sample date, time and sampler name

Yes No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): MM

Sample Receipt at SP:

1. Number of ice chests/packages received: 2 Shipping tracking #(s): Sample 51858

2. Temp IR Gun ID #: TH260

3. Were samples received on ice? Yes No Temps: 3x / _____ / _____ / _____ / _____

Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

4. Do the number of bottles received agree with the COC?

Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.)

Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?

Yes No

2. Did bottle labels correspond with the client's ID's?

Yes No

3. Were all bottles requiring sample preservation properly preserved?

Yes No

[Exception: Oil & Grease, VOA and CrVI verified in lab]

N/A FGL

4. VOAs checked for Headspace?

Yes No N/A

5. Have rush or project due dates been checked and accepted?

Yes No N/A

6. Were all analyses within holding times at time of receipt?

Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): JW

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem:

Resolution:

2. Person Contacted: _____

(4016916)
Valley Tech Agricultural Lab Services

VI 2348622

iv 12/19/2023 10:08:48



U1 2348622

(Please use the back of this sheet for additional comments or contact