

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 South

Physical address of dairy:

24116 28 RD
Number and StreetTulare
CityTulare
County93274
Zip Code

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

Date facility was originally placed in operation: 01/01/1985Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X147-X060-X021-XXXX**B. OPERATORS**

te Velde, Bernard Jr.

Operator name: te Velde, Bernard Jr.Telephone no.: (559) 936-2253

Landline

Cellular

24116 Road 28

Mailing Address Number and Street

Tulare
CityCA
State93274
Zip Code**This operator is responsible for paying permit fees.****C. OWNERS**

te Velde, Bernard Jr.

Legal owner name: te Velde, Bernard Jr.Telephone no.: (559) 936-2253

Landline

Cellular

24116 Road 28

Mailing Address Number and Street

Tulare
CityCA
State93274
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	1	0	1,950	2,315	1,165	0
Number under roof	0	0	0	0	0	0
Maximum number	1	0	1,965	2,350	1,190	0
Average number	1	0	1,950	2,315	1,165	0
Avg live weight (lbs)	1,400	0	700	500		

Predominant milk cow breed: Holstein

Average milk production: 75 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 42,926.19 tons per reporting period

Total nitrogen from manure: 464,623.05 lbs per reporting period

After ammonia losses (30% loss applied): 325,236.14 lbs per reporting period

Total phosphorus from manure: 72,763.82 lbs per reporting period

Total potassium from manure: 194.79 lbs per reporting period

Total salt from manure: 470.85 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 76,558,021 gallons

Total nitrogen generated: 141,820.59 lbs

Total phosphorus generated: 29,953.38 lbs

Total potassium generated: 344,563.85 lbs

Total salt generated: 1,662,358.19 lbs

76,558,021 gallons applied
+ 0 gallons exported
- 0 gallons imported
= 76,558,021 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
D2N	Ground water
D2S	Ground water
D3	Ground water
DW#1	Ground water
DW#2	Ground water

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Source Description	Type
Tulare ID	Surface 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
D1	38	38	2	process wastewater	X147-X060-X020-XXXX
D2	35	35	2	process wastewater	X147-X060-X020-XXXX
D3	76	76	2	process wastewater	X155-X010-X004-XXXX
D4	96	96	2	process wastewater	X155-X010-X004-XXXX
Totals for areas that were used for application	245	245	8		
Totals for areas that were not used for application					
Land application area totals	245	245	8		

B. CROPS AND HARVESTS

D1										
Field name: <u>D1</u>										
11/05/2022: Wheat, silage, soft dough										
Crop: <u>Wheat, silage, soft dough</u>						Acres planted: <u>38</u>		Plant date: <u>11/05/2022</u>		
Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
05/20/2023	905.00 <i>ton</i>	Dry-weight		66.9	14,100.00	3,000.00	12,700.00		9.80	
	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)					
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00					
Total actual harvest content	23.82	222.30	47.30	200.23	1,545.07					
06/08/2023: Corn, silage										
Crop: <u>Corn, silage</u>						Acres planted: <u>38</u>		Plant date: <u>06/08/2023</u>		
Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
09/18/2023	1,174.00 <i>ton</i>	Dry-weight		68.0	12,100.00	2,500.00	8,300.00		4.99	
	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	1,500.00					
Total actual harvest content	30.89	239.25	49.43	164.11	986.65					

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D2

Field name: D2

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

Crop: Wheat, silage, soft dough Acres planted: 35 Plant date: 11/07/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/20/2023	742.00 ton	Dry-weight		57.7	16,300.00	5,600.00	26,200.00		11.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	21.20	292.34	100.44	469.90	2,062.55

06/14/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 06/14/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	987.00 ton	Dry-weight		62.2	10,900.00	2,500.00	13,600.00		6.65

	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	1,500.00
Total actual harvest content	28.20	232.38	53.30	289.94	1,417.73

D3

Field name: D3

11/04/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 76 Plant date: 11/04/2022

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	1,566.00 ton	Dry-weight		70.8	21,700.00	6,200.00	27,400.00		15.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	20.61	261.13	74.61	329.72	1,865.19

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D3

06/09/2023: Corn, silage

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

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	2,394.00 ton	Dry-weight		68.0	12,100.00	2,500.00	8,300.00		4.99

	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	1,500.00
Total actual harvest content	31.50	243.94	50.40	167.33	1,005.98

D4

Field name: D4

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

Crop: Wheat, silage, soft dough Acres planted: 96 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/22/2023	2,256.00 ton	Dry-weight		70.4	18,800.00	4,800.00	19,700.00		12.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	23.50	261.55	66.78	274.07	1,766.82

06/15/2023: Corn, silage

Crop: Corn, silage Acres planted: 96 Plant date: 06/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/04/2023	2,692.00 ton	Dry-weight		62.2	10,900.00	2,500.00	13,600.00		6.65

	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	1,500.00
Total actual harvest content	28.04	231.07	53.00	288.31	1,409.77

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NUTRIENT BUDGET

A. LAND APPLICATIONS

D1 - 11/05/2022: Wheat, silage, soft dough

Field name: D1

Crop: Wheat, silage, soft dough

Plant date: 11/05/2022

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
10/15/2022	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	148.35	19.77	411.79	2,596.19	1,241,814.00 <i>gal</i>
Tulare ID		Surface water	0.00	0.00	0.00	28.03	4,254,521.00 <i>gal</i>
Application event totals			148.35	19.77	411.79	2,624.22	
03/02/2023	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
Lagoon		Process wastewater	76.89	14.00	247.52	1,044.86	923,860.00 <i>gal</i>
Tulare ID		Surface water	0.00	0.00	0.00	27.59	4,187,703.00 <i>gal</i>
Application event totals			76.89	14.00	247.52	1,072.44	
04/05/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	60.11	10.94	193.51	816.86	722,269.00 <i>gal</i>
Tulare ID		Surface water	0.00	0.00	0.00	26.91	4,084,521.00 <i>gal</i>
Application event totals			60.11	10.94	193.51	843.77	

D1 - 06/08/2023: Corn, silage

Field name: D1

Crop: Corn, silage

Plant date: 06/08/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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D1 - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	32.63	5.85	41.06	86.74	1,238,177.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.56	6,004,065.00 <i>gal</i>
Application event totals		32.63	5.85	41.06	126.30	
06/29/2023	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
Lagoon	Process wastewater	45.89	8.22	57.74	121.99	1,741,358.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	38.62	5,861,340.00 <i>gal</i>
Application event totals		45.89	8.22	57.74	160.60	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	37.26	6.68	46.89	99.06	1,414,084.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.45	5,987,703.00 <i>gal</i>
Application event totals		37.26	6.68	46.89	138.51	
07/28/2023	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
Lagoon	Process wastewater	38.26	6.85	48.14	101.71	1,451,814.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	40.51	6,148,614.00 <i>gal</i>
Application event totals		38.26	6.85	48.14	142.21	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	44.59	17.29	99.25	565.57	1,238,177.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	41.47	6,294,065.00 <i>gal</i>
Application event totals		44.59	17.29	99.25	607.04	

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D1 - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/28/2023	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
Lagoon	Process wastewater	42.43	16.46	94.44	538.17	1,178,178.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	37.91	5,754,521.00 <i>gal</i>
Application event totals		42.43	16.46	94.44	576.08	

D2 - 11/07/2022: Wheat, silage, soft dough

Field name: D2

Crop: Wheat, silage, soft dough

Plant date: 11/07/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/15/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	124.55	16.60	345.73	2,179.69	960,284.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	27.70	3,872,059.00 <i>gal</i>
Application event totals		124.55	16.60	345.73	2,207.39	
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
Lagoon	Process wastewater	112.54	20.49	362.26	1,529.22	1,245,390.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	27.88	3,897,165.00 <i>gal</i>
Application event totals		112.54	20.49	362.26	1,557.10	
04/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	85.88	15.63	276.44	1,166.95	950,355.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	27.12	3,790,884.00 <i>gal</i>
Application event totals		85.88	15.63	276.44	1,194.06	

D2 - 06/14/2023: Corn, silage

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D2 - 06/14/2023: Corn, silage

Field name: D2

Crop: Corn, silage

Plant date: 06/14/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	38.07	6.82	47.90	101.19	1,330,426.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.03	5,457,023.00 <i>gal</i>
Application event totals		38.07	6.82	47.90	140.22	
07/02/2023	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
Lagoon	Process wastewater	40.79	7.31	51.32	108.42	1,425,532.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	41.18	5,757,095.00 <i>gal</i>
Application event totals		40.79	7.31	51.32	149.60	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	41.64	7.46	52.40	110.70	1,455,461.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	38.86	5,432,130.00 <i>gal</i>
Application event totals		41.64	7.46	52.40	149.56	
08/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	48.31	18.73	107.52	612.70	1,235,461.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	40.25	5,626,952.00 <i>gal</i>
Application event totals		48.31	18.73	107.52	652.95	
08/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	44.59	17.29	99.25	565.57	1,140,426.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	38.64	5,402,059.00 <i>gal</i>
Application event totals		44.59	17.29	99.25	604.21	

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D2 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
09/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	48.31	18.73	107.52	612.70	1,235,461.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.00	5,452,059.00 <i>gal</i>
Application event totals		48.31	18.73	107.52	651.70	

D3 - 11/04/2022: Wheat, silage, soft dough

Field name: D3

Crop: Wheat, silage, soft dough Plant date: 11/04/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/14/2022	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
Lagoon	Process wastewater	123.27	16.43	342.15	2,157.15	2,063,628.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	27.87	8,460,875.00 <i>gal</i>
Application event totals		123.27	16.43	342.15	2,185.02	

03/08/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	103.05	18.76	331.73	1,400.34	2,476,354.00 <i>gal</i>	
Tulare ID		Surface water	0.00	0.00	0.00	27.19	8,254,512.00 <i>gal</i>	
Application event totals			103.05	18.76	331.73	1,427.53		

04/10/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	85.88	15.63	276.44	1,166.95	2,063,628.00 <i>gal</i>	
Tulare ID		Surface water	0.00	0.00	0.00	27.87	8,460,875.00 <i>gal</i>	
Application event totals			85.88	15.63	276.44	1,194.82		

D3 - 06/09/2023: Corn, silage

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D3 - 06/09/2023: Corn, silage

Field name: D3

Crop: Corn, silage

Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	38.00	6.81	47.81	101.00	2,883,628.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	40.05	12,158,131.00 <i>gal</i>
Application event totals		38.00	6.81	47.81	141.05	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	35.35	6.33	44.48	93.97	2,682,716.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	40.36	12,250,856.00 <i>gal</i>
Application event totals		35.35	6.33	44.48	134.32	
07/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	40.70	7.29	51.22	108.20	3,089,079.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.16	11,888,131.00 <i>gal</i>
Application event totals		40.70	7.29	51.22	147.36	
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
Lagoon	Process wastewater	38.00	6.81	47.81	101.00	2,883,628.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.39	11,959,042.00 <i>gal</i>
Application event totals		38.00	6.81	47.81	140.40	
08/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	48.40	18.77	107.72	613.85	2,687,721.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.37	11,952,680.00 <i>gal</i>
Application event totals		48.40	18.77	107.72	653.22	

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

D3 - 06/09/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	62.72	9.03	144.11	862.86	1,650,902.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.55	12,005,405.00 <i>gal</i>
Application event totals		62.72	9.03	144.11	902.41	
09/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	44.59	17.29	99.25	565.57	2,476,353.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	31.95	9,699,051.00 <i>gal</i>
Application event totals		44.59	17.29	99.25	597.52	

D4 - 11/01/2022: Wheat, silage, soft dough

Field name: D4

Crop: Wheat, silage, soft dough

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/05/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	125.16	16.68	347.40	2,190.26	2,646,688.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	27.17	10,418,790.00 <i>gal</i>
Application event totals		125.16	16.68	347.40	2,217.43	
03/10/2023	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
Lagoon	Process wastewater	97.69	17.79	314.48	1,327.51	2,965,350.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	26.96	10,336,784.00 <i>gal</i>
Application event totals		97.69	17.79	314.48	1,354.47	

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D4 - 11/01/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	80.94	14.74	260.53	1,099.80	2,456,688.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	27.53	10,558,453.00 <i>gal</i>
Application event totals		80.94	14.74	260.53	1,127.33	

D4 - 06/15/2023: Corn, silage

Field name: D4

Crop: Corn, silage

Plant date: 06/15/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
05/29/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	37.66	6.75	47.39	100.11	3,610,032.00 <i>gal</i>	
Tulare ID		Surface water	0.00	0.00	0.00	38.38	14,718,790.00 <i>gal</i>	
Application event totals			37.66	6.75	47.39	138.49		
07/02/2023	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	
Lagoon		Process wastewater	40.96	7.34	51.54	108.89	3,926,680.00 <i>gal</i>	
Tulare ID		Surface water	0.00	0.00	0.00	37.92	14,540,128.00 <i>gal</i>	
Application event totals			40.96	7.34	51.54	146.80		
07/16/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	41.26	7.39	51.91	109.67	3,955,016.00 <i>gal</i>	
Tulare ID		Surface water	0.00	0.00	0.00	38.56	14,786,115.00 <i>gal</i>	
Application event totals			41.26	7.39	51.91	148.23		

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D4 - 06/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	48.31	18.73	107.52	612.70	3,388,695.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.59	15,180,797.00 <i>gal</i>
Application event totals		48.31	18.73	107.52	652.29	
08/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	46.46	18.02	103.39	589.20	3,258,695.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	39.53	15,158,122.00 <i>gal</i>
Application event totals		46.46	18.02	103.39	628.73	
09/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	46.53	18.05	103.56	590.16	3,264,013.00 <i>gal</i>
Tulare ID	Surface water	0.00	0.00	0.00	37.69	14,452,134.00 <i>gal</i>
Application event totals		46.53	18.05	103.56	627.85	

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

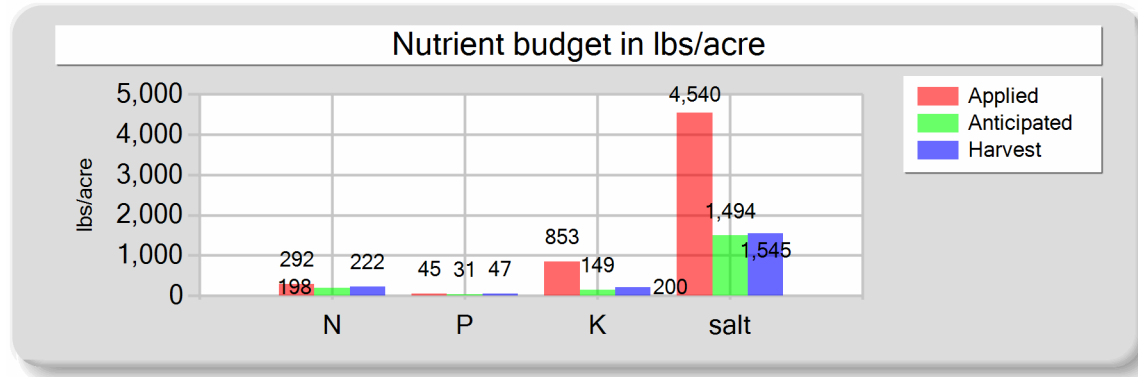
B. NUTRIENT BUDGET

D1 - 11/05/2022: Wheat, silage, soft dough

Field name: D1

Crop: Wheat, silage, soft dough

Plant date: 11/05/2022



	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	12,526,745.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	461.32 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.14 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	285.36	44.71	852.82	4,457.91	Process wastewater applied
Fresh water	0.00	0.00	0.00	82.53	2,887,943.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	106.35 <i>acre-inches</i>
Total nutrients applied	292.36	44.71	852.82	4,540.43	2.80 <i>inches/acre</i>
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	222.30	47.30	200.23	1,545.07	Total harvests for the crop
Nutrient balance	70.06	-2.58	652.59	2,995.36	1 <i>harvests</i>
Applied to removed ratio	1.32	0.95	4.26	2.94	

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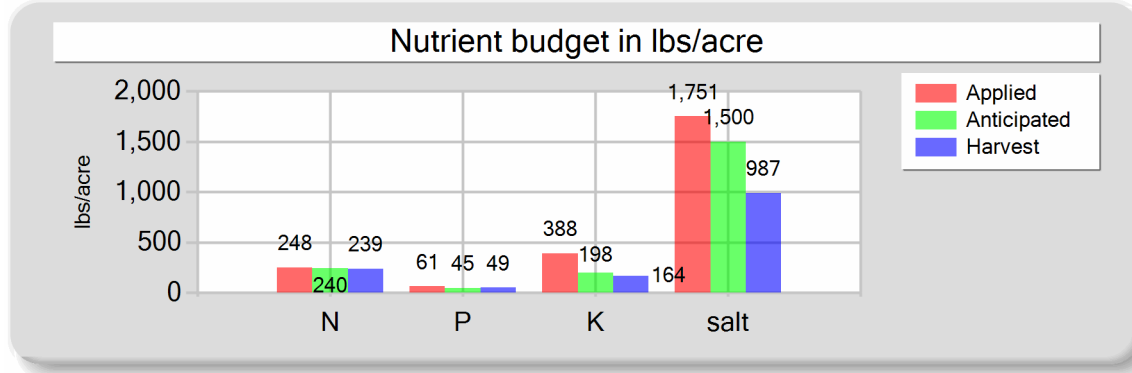
Reporting period 01/01/2023 to 12/31/2023.

D1 - 06/08/2023: Corn, silage

Field name: D1

Crop: Corn, silage

Plant date: 06/08/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	36,050,308.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,327.61 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	34.94 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	241.07	61.35	387.52	1,513.24	Process wastewater applied
Fresh water	0.00	0.00	0.00	237.51	8,261,788.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	304.25 <i>acre-inches</i>
Total nutrients applied	248.07	61.35	387.52	1,750.74	8.01 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	239.25	49.43	164.11	986.65	Total harvests for the crop
Nutrient balance	8.82	11.92	223.41	764.09	1 <i>harvests</i>
Applied to removed ratio	1.04	1.24	2.36	1.77	

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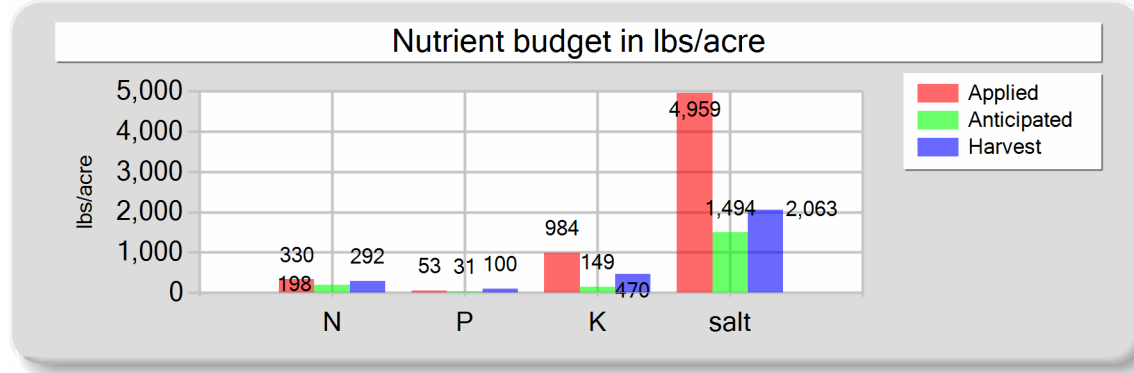
Reporting period 01/01/2023 to 12/31/2023.

D2 - 11/07/2022: Wheat, silage, soft dough

Field name: D2

Crop: Wheat, silage, soft dough

Plant date: 11/07/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	11,560,108.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	425.72 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.16 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	322.97	52.72	984.43	4,875.86	Process wastewater applied
Fresh water	0.00	0.00	0.00	82.69	3,156,029.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	116.23 <i>acre-inches</i>
Total nutrients applied	329.97	52.72	984.43	4,958.55	3.32 <i>inches/acre</i>
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	292.34	100.44	469.90	2,062.55	Total harvests for the crop
Nutrient balance	37.63	-47.71	514.53	2,896.00	1 <i>harvests</i>
Applied to removed ratio	1.13	0.52	2.09	2.40	

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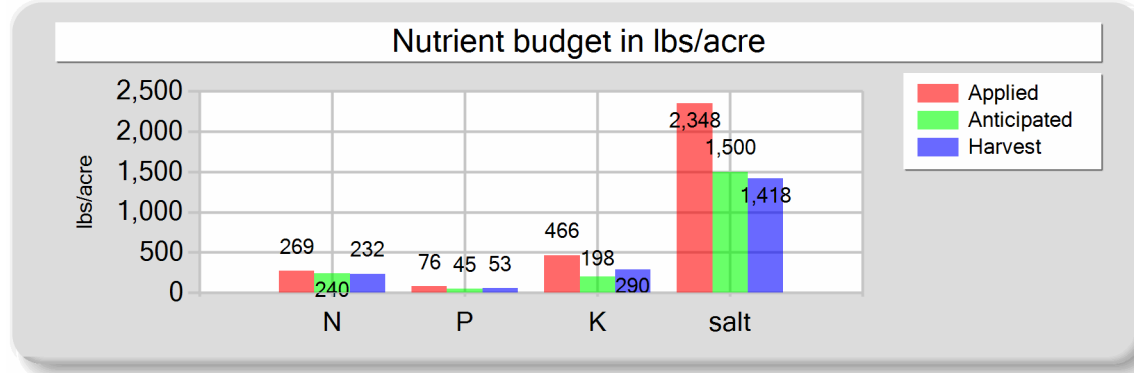
Reporting period 01/01/2023 to 12/31/2023.

D2 - 06/14/2023: Corn, silage

Field name: D2

Crop: Corn, silage

Plant date: 06/14/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	261.71	76.35	465.91	2,111.30
Fresh water	0.00	0.00	0.00	236.95
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	268.71	76.35	465.91	2,348.25
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	232.38	53.30	289.94	1,417.73
Nutrient balance	36.33	23.05	175.96	930.52
Applied to removed ratio	1.16	1.43	1.61	1.66

Fresh water applied
33,127,318.00 <i>gallons</i>
1,219.97 <i>acre-inches</i>
34.86 <i>inches/acre</i>

Process wastewater applied
7,822,767.00 <i>gallons</i>
288.09 <i>acre-inches</i>
8.23 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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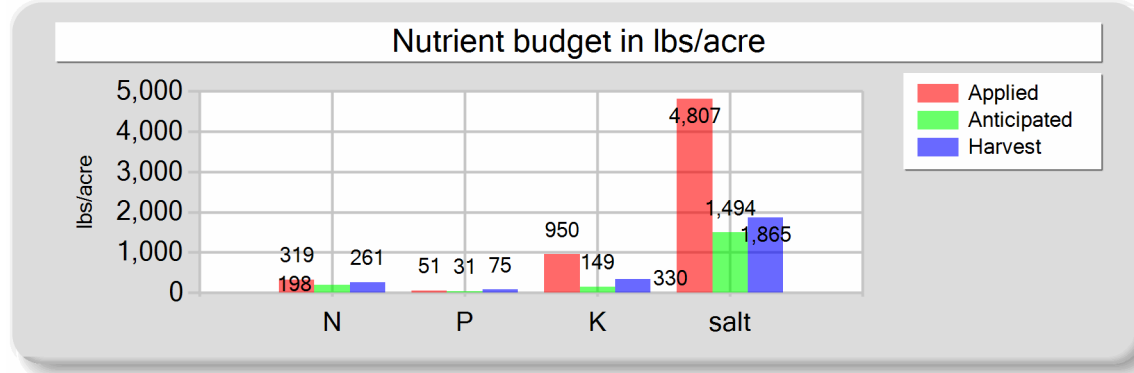
Reporting period 01/01/2023 to 12/31/2023.

D3 - 11/04/2022: Wheat, silage, soft dough

Field name: D3

Crop: Wheat, silage, soft dough

Plant date: 11/04/2022



	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	25,176,262.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	927.16 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.20 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	312.20	50.82	950.33	4,724.44	Process wastewater applied
Fresh water	0.00	0.00	0.00	82.93	6,603,610.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	243.19 <i>acre-inches</i>
Total nutrients applied	319.20	50.82	950.33	4,807.37	3.20 <i>inches/acre</i>
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	261.13	74.61	329.72	1,865.19	Total harvests for the crop
Nutrient balance	58.07	-23.78	620.61	2,942.18	1 <i>harvests</i>
Applied to removed ratio	1.22	0.68	2.88	2.58	

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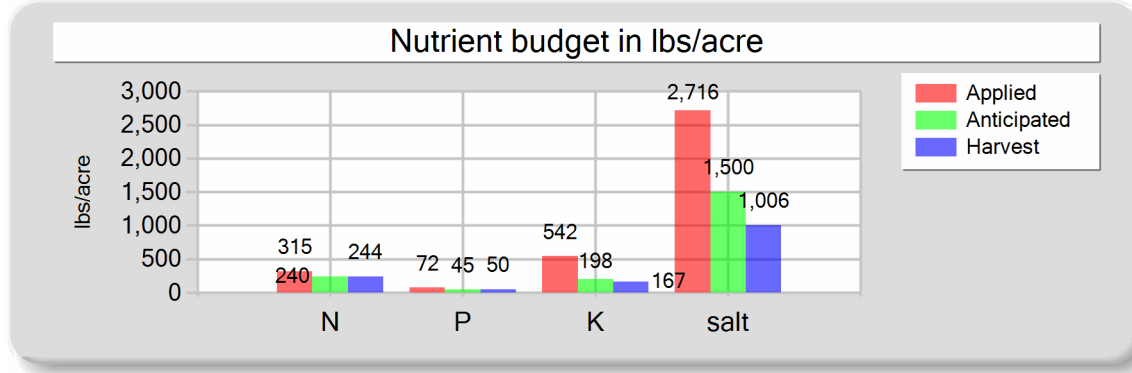
Reporting period 01/01/2023 to 12/31/2023.

D3 - 06/09/2023: Corn, silage

Field name: D3

Crop: Corn, silage

Plant date: 06/09/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	307.76	72.33	542.40	2,446.46
Fresh water	0.00	0.00	0.00	269.83
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	314.76	72.33	542.40	2,716.29
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	243.94	50.40	167.33	1,005.98
Nutrient balance	70.82	21.93	375.07	1,710.31
Applied to removed ratio	1.29	1.44	3.24	2.70

Fresh water applied
81,913,296.00 <i>gallons</i>
3,016.59 <i>acre-inches</i>
39.69 <i>inches/acre</i>

Process wastewater applied
18,354,027.00 <i>gallons</i>
675.92 <i>acre-inches</i>
8.89 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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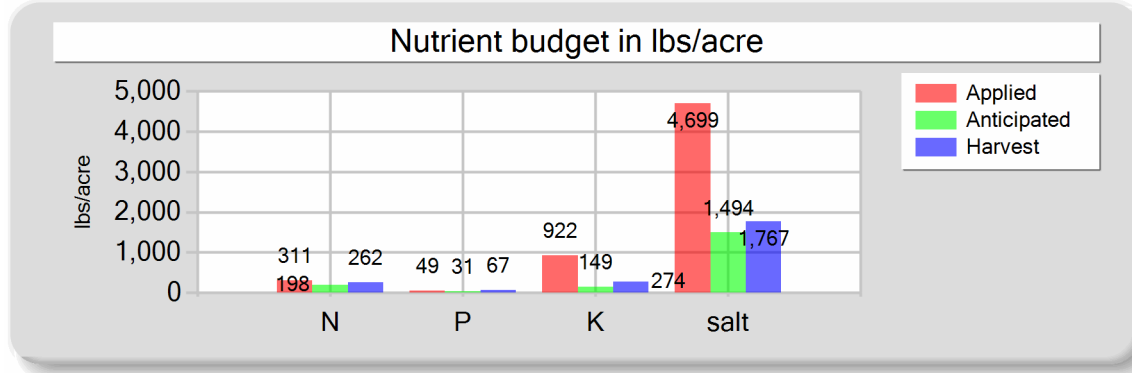
Reporting period 01/01/2023 to 12/31/2023.

D4 - 11/01/2022: Wheat, silage, soft dough

Field name: D4

Crop: Wheat, silage, soft dough

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	303.79	49.20	922.42	4,617.56
Fresh water	0.00	0.00	0.00	81.66
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	310.79	49.20	922.42	4,699.22
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	261.55	66.78	274.07	1,766.82
Nutrient balance	49.24	-17.58	648.35	2,932.40
Applied to removed ratio	1.19	0.74	3.37	2.66

Fresh water applied
31,314,027.00 <i>gallons</i>
1,153.19 <i>acre-inches</i>
12.01 <i>inches/acre</i>

Process wastewater applied
8,068,726.00 <i>gallons</i>
297.14 <i>acre-inches</i>
3.10 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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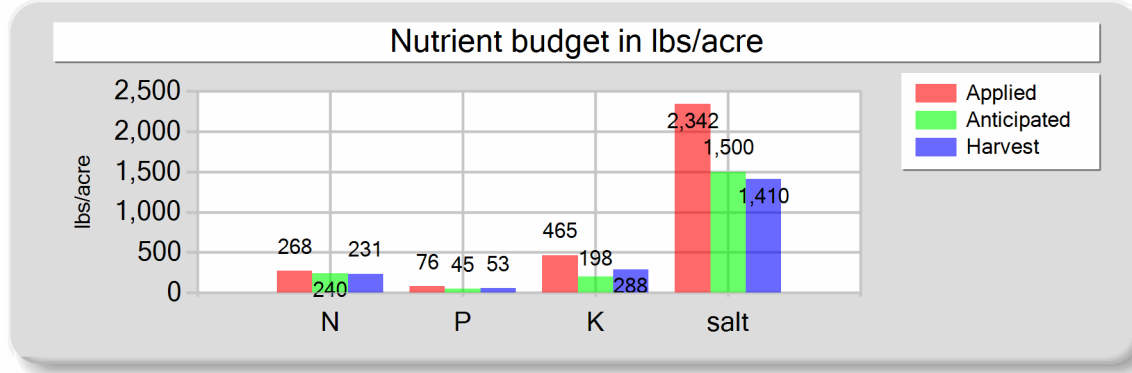
Reporting period 01/01/2023 to 12/31/2023.

D4 - 06/15/2023: Corn, silage

Field name: D4

Crop: Corn, silage

Plant date: 06/15/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	261.17	76.27	465.31	2,110.73
Fresh water	0.00	0.00	0.00	231.67
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	268.17	76.27	465.31	2,342.39
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	231.07	53.00	288.31	1,409.77
Nutrient balance	37.10	23.27	177.00	932.63
Applied to removed ratio	1.16	1.44	1.61	1.66

Fresh water applied
88,836,086.00 <i>gallons</i>
3,271.53 <i>acre-inches</i>
34.08 <i>inches/acre</i>

Process wastewater applied
21,403,131.00 <i>gallons</i>
788.20 <i>acre-inches</i>
8.21 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

Manure

Sample and source description: Manure

Sample date: 05/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 10.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,100.00	6,200.00	23,400.00							
DL	100.00	200.00	200.00							

Manure

Sample and source description: Manure

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

Moisture: 18.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,900.00	5,800.00	18,600.00							
DL	100.00	200.00	200.00							

B. PROCESS WASTEWATER ANALYSES

Lagoon

Sample and source description: Lagoon

Sample date: 11/15/2022 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	544.00	464.00			72.50	1,510.00								1,430.00	9,520
DL	10.00	2.00			0.20	0.50								100.00	10

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

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

Lagoon

Sample and source description: LagoonSample date: 02/23/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	379.00	242.00			69.00	1,220.00								7,760.00	5,150
DL	10.00	2.00			0.20	0.50								100.00	10

Lagoon

Sample and source description: LagoonSample date: 05/03/2023 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	120.00	32.10			21.50	151.00								480.00	319
DL	10.00	2.00			0.20	0.50								100.00	10

Lagoon

Sample and source description: LagoonSample date: 08/02/2023 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	164.00	109.00			63.60	365.00								3,140.00	2,080
DL	10.00	2.00			0.20	0.50								100.00	10

Lagoon

Sample and source description: LagoonSample date: 11/10/2023 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	346.00	344.00			81.00	627.00								5,630.00	3,740
DL	10.00	2.00			0.20	0.50								100.00	10

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

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

C. FRESH WATER ANALYSES

DW#2

DW#2

Sample description: DW#2

Sample date: 07/20/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.30		2.30	2.00	2.00	42.30	76.90		6.60	11.50	200.00	138
DL	0.10		0.10	0.10	0.10	0.10	0.10		0.10	0.10	100.00	10

Tulare ID

Tulare ID

Sample description: Tulare ID

Sample date: 06/23/2023 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	0.00		0.00								44.00	30
DL	0.50		0.40								1.00	20

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

D1 - 11/05/2022: Wheat, silage, soft dough

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

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

D1 - 11/05/2022: Wheat, silage, soft dough

D1

Sample and source description: D1

Sample date: 05/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,100.00	3,000.00	12,700.00		9.80
DL	500.00	200.00	200.00		0.05

D1 - 06/08/2023: Corn, silage

D1

Sample and source description: D1

Sample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,100.00	2,500.00	8,300.00		4.99
DL	500.00	200.00	200.00		0.05

D2 - 11/07/2022: Wheat, silage, soft dough

D2

Sample and source description: D2

Sample date: 05/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 57.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,300.00	5,600.00	26,200.00		11.50
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.

D2 - 06/14/2023: Corn, silage

D2

Sample and source description: D2

Sample date: 10/05/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,900.00	2,500.00	13,600.00		6.65
DL	500.00	200.00	200.00		0.05

D3 - 11/04/2022: Wheat, silage, soft dough

D3

Sample and source description: D3

Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	21,700.00	6,200.00	27,400.00		15.50
DL	500.00	200.00	200.00		0.05

D3 - 06/09/2023: Corn, silage

D3

Sample and source description: D3

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,100.00	2,500.00	8,300.00		4.99
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.

D4 - 11/01/2022: Wheat, silage, soft dough

D4

Sample and source description: D4Sample date: 05/22/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 70.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,800.00	4,800.00	19,700.00		12.70
DL	500.00	200.00	200.00		0.05

D4 - 06/15/2023: Corn, silage

D4

Sample and source description: D4Sample date: 10/04/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 62.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,900.00	2,500.00	13,600.00		6.65
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

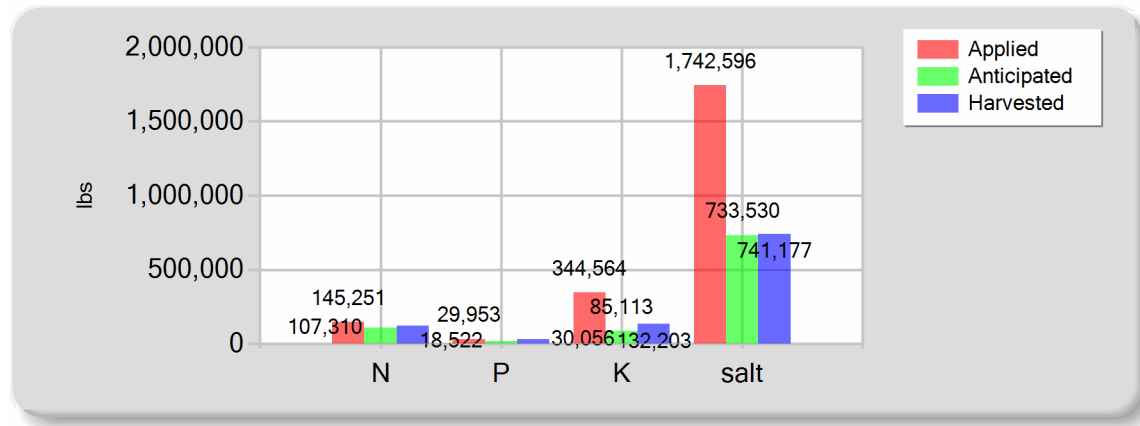
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

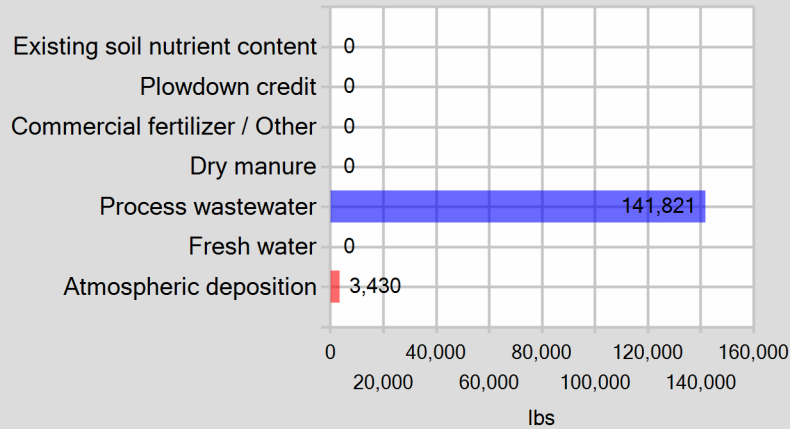
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	141,820.59	29,953.38	344,563.85	1,662,358.19
Fresh water	0.00	0.00	0.00	80,238.21
Atmospheric deposition	3,430.00	0.00	0.00	0.00
Total nutrients applied	145,250.59	29,953.38	344,563.85	1,742,596.41
Anticipated crop nutrient removal	107,310.00	18,522.00	85,113.00	733,530.00
Actual crop nutrient removal	121,580.49	30,055.56	132,203.38	741,177.08
Nutrient balance	23,670.10	-102.19	212,360.47	1,001,419.33
Applied to removed ratio	1.19	1.00	2.61	2.35

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

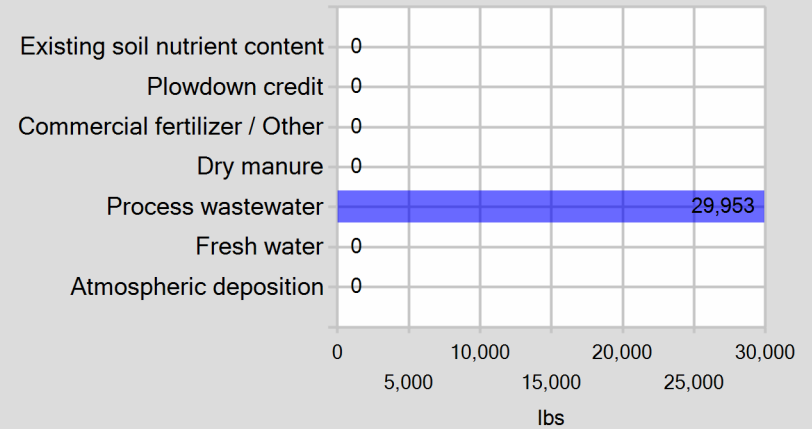


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

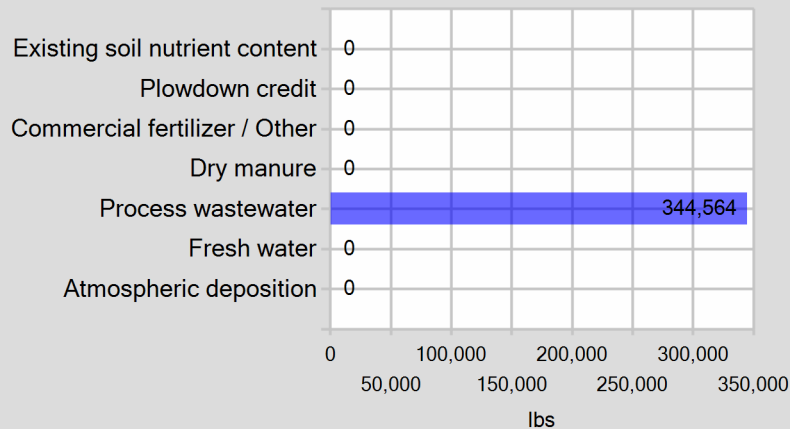
Pounds of nitrogen applied



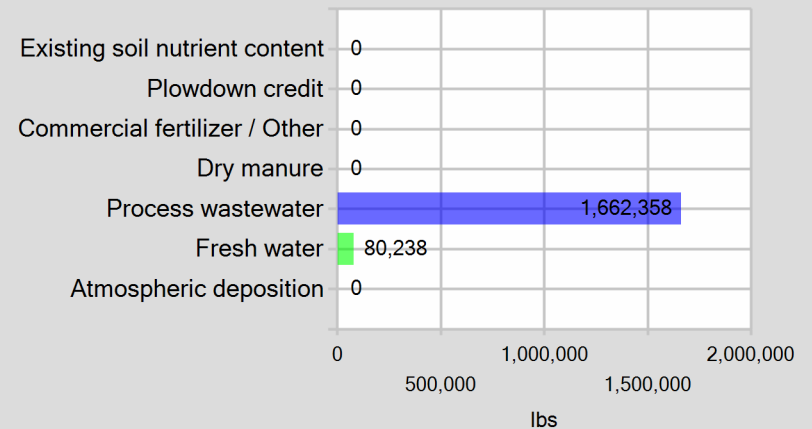
Pounds of phosphorus applied



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

Wells DW#1 ,D2N, D2S, and D3, were out of service in 2023.

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



SIGNATURE OF OWNER OF FACILITY

Bernard te Velde, Jr.

PRINT OR TYPE NAME

6-13-24

DATE



SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFa Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed .

Manure/Process Wastewater Tracking Manifests

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

Storm Water Monitoring

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

Ag Suitability Water Analysis

SENTRY AG SERVICES, LLC
P.O. BOX 7750
VISALIA, CA 93290

Order Number: 58268
Lab Number: W58268-09
Submitted Date: 7/20/2023
Report Date: 7/24/2023
Submitted By: SA
COC Number: 3063

Grower: B & R teVelde
Location: D.C.S. Dairy
Description: Well Water

mg/L = milligrams/liter = part per million = ppm
meq/L = milliequivalents/liter
dS/m = deciSiemen/meter = mmhos/cm
lbs/ac-ft = pounds/acre-foot

Analytes

pH (pH) 9.7 pH units
Electrical Conductivity (EC) 0.20 dS/m
Boron (B) 0.12 mg/L

Cations

	mg/L	meq/L	lbs/ac-ft
Calcium (Ca)	1.7	0.08	4.5
Magnesium (Mg)	0.8	0.06	2.0
Sodium (Na)	42.3	1.84	114
Potassium (K)	0.4	0.01	1.1

Anions

	mg/L	meq/L	lbs/ac-ft
Bicarbonate (HCO ₃)	76.9	1.26	208
Chloride (Cl)	11.5	0.32	30.9
Nitrate - Nitrogen (NO ₃ -N)	2.3	0.17	6.3
Sulfate - Sulfur (SO ₄ -S)	6.6	0.21	17.9

Calculated Values

Total Dissolved Solids (TDS) 138 mg/L
Sodium Absorption Ratio (SAR) 6.8
SAR/EC Ratio (SEC) 34.1
pHc (pHc) 9.3

Normal Values

6.5 to 8.0
0.5 to 3.0
<0.5

Problem Values

<6.5 or >8.0
<0.5 or >3.0
>0.5

Normal Values mg/L

30 to 400
1 to 60
<70

Problem Values mg/L

<30
[Mg]>[Ca]
>70

Normal Values mg/L

<150
<150
<10

Problem Values mg/L

>300
>200
>10

Normal Values

1 to 1,500
<6.0
<5.0

Problem Values

>1,900
>6.0
>10.0

<8.4 may add Ca >8.4 may remove Ca

Gypsum Requirements

100% gypsum equivalent (lbs/ac-ft)

Eatons Gypsum Requirement (EGR) 428
Residual Sodium Carbonate (RSC) 261



ENVIRONMENTAL AGRICULTURAL

Analytical Chemists

August 18, 2023

Valley Tech Agricultural Lab Services

Attn: Joe O' Brien

2120 S. "K" St.

Tulare, CA 93274

Description : DCS-Dairy
 Project : Sentry Ag Services

Lab No. : VI 2344743-009

Customer No.: 4016916

Sampled On : July 20, 2023 at 13:00

Sampled By : Nico Slabber

Received On : July 20, 2023 at 15:04

Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	08/10/2023	14:22	sta	EPA 351.2	08/16/2023	22:51	lcr
Nitrogen, Total as Nitrogen	2.0	0.5	mg/L		1		08/10/2023	14:22	sta	Calc.	08/16/2023	22:51	lcr
Nitrate + Nitrite as N	2.0	0.4	mg/L		1		07/25/2023	13:00	lfs	SM 4500-NO3 F	07/25/2023	15:50	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	08/10/2023	14:22	sta	EPA 351.2	08/16/2023	22:51	lcr

DQF Flags Definition:

U Constituent results were non-detect.

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

July 11, 2023

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Lab No. : VI 2344188
Customer No. : 4019696
Reference : 3041

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
Tulare I.D.	06/23/2023	06/23/2023	VI 2344188-001	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

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
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: 2023-07-11

July 11, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : Tulare I.D.
 Project : Tulare I.D.

Lab No. : VI 2344188-001
 Customer No. : 4019696
 Reference : 3041
 Sampled On : June 23, 2023 at 09:10
 Sampled By : Klay
 Received On : June 23, 2023 at 10:28
 Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	EPA 351.2	07/07/2023	19:44	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/28/2023	11:00	lfs	SM 4500-NO3 F	06/28/2023	12:41	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	Calc.	07/07/2023	19:44	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	06/28/2023	11:00	lfs	SM 4500-NO3 F	06/28/2023	12:41	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	EPA 351.2	07/07/2023	19:44	lcr
Conductivity	44	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/05/2023	21:39	sta
Solids, Total Dissolved (TDS)	30	20	mg/L		1		06/27/2023	12:45	ctl	SM 2540 C	06/28/2023	11:35	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

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

July 11, 2023
Sentry Ag Service

Lab No. : VI 2344188
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2344352-001)	Dup	umhos/cm		0.6%	5	
Solids, Total Dissolved	2540CE	06/27/2023:207083CTL	Blank	mg/L	993.7	ND	<20	
			LCS	mg/L		101%	90-110	
			(STK2338352-001)	mg/L		3.55%	5	
			(STK2338352-001)	mg/L		4.96%	5	
Nitrogen, Total Kjeldahl	351.2	07/03/2023:207257STA	Blank	mg/L	12.00	ND	<0.5	
			LCS	mg/L		102%	73-124	
			MS	mg/L		89.5%	54-136	
			(VI 2343914-005)	MSD		96.2%	54-136	
			MSRPD	mg/L		6.8%	≤27	
			MS	mg/L		97.0%	54-136	
			(VI 2343914-006)	MSD		98.6%	54-136	
			MSRPD	mg/L		1.6%	≤27	
Nitrate + Nitrite as N	4500NO3F	06/28/2023:207139LFS	Blank	mg/L	11.22	ND	<0.4	
			LCS	mg/L		98.6%	80-120	
			MS	mg/L		98.8%	66-125	
			(SP 2310989-001)	MSD		98.1%	66-125	
			MSRPD	mg/L		0.6%	≤30.4	
Nitrate Nitrogen	4500NO3F	06/28/2023:207139LFS	Blank	mg/L	11.22	ND	<0.4	
			LCS	mg/L		98.6%	80-120	
			MS	mg/L		98.8%	66-125	
			(SP 2310989-001)	MSD		98.1%	66-125	
			MSRPD	mg/L		0.6%	≤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 analyte. 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.



Laboratory Analysis Work Order 2344188

3041

SITE NAME: Tulare I.D.

LABORATORY: VT FGL 4-19696

Billing: Sentry Ag Services, LLC
P.O. Box 7750, Visalia, CA 93290

Authorized Copy Release to:
labs@sentryagservices.com

ANALYSIS TO BE COMPLETED

Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
- W2 EC, NO₃N, TDS, TN (Irr)
- W3 NH₄-N (Ammonium)
- W4 EC, NO₃N, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)
- W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)
- W6 NO₃N, NO₂ (Dom ILRP, Annually)
- W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
- W8 Other: _____

Plant Tissue

- P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)
- P2 TN, P, K (Mid-season - Corn)
- P3 TN, TP, TK, Ash, %M (At Harvest)
- P4 TN, %M
- P5 % Moisture
- P6 NIR
- P7 Other: _____

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
- L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
- L3 Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
- L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
- M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
- M3 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
- S2 S1 + CEC, CaCO₃, OM, C:N, TN
- S3 NO₃N, NH₄N
- S4 Other: _____

	Sample ID	Description	Analysis	Date/Time	Sampled by	SAS USE ONLY: FIELD TESTS		
						NH ₃ N*	pH	Temp
1	Tulare I.D.	Canal	W2	6/23/23 9:10	Kay	-		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st	Kay	SAS		6/23/23 10:28
2 nd	COOS	FGL	6-23-2023 1028	
3 rd	COOS	FGL		6-23-2023 1730
4 th	GIL		6-23-2023 1028	

LABORATORY USE ONLY

Logged In By: _____ Total Samples: _____ Laboratory No.: _____

6.6°
ROT

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: 6.6° ROL / / /

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? ☒ Yes No N/A

4. Were samples received intact? (i.e. no broken bottles, leaks etc.) ☒ Yes No

5. VOAs checked for Headspace? Yes No ☒ N/A

6. Were sample custody seals intact? Yes No ☒ N/A

7. If required, was sample split for pH analysis? Yes No ☒ N/A

8. Were all analyses within holding times at time of receipt? ☒ Yes No

9. 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): COB

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 1 / / / /
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:
559648785 / 7 / 56 / 64 / 75

3. Do the number of bottles received agree with the COC? ☒ Yes No N/A

4. Were samples received intact? (i.e. no broken bottles, leaks etc.) ☒ Yes No

5. Were sample custody seals intact? 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? ☒ 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 N/A FGL

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

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): ODA

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: _____

Initiated By: _____

Problem: _____

Resolution: _____

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

(4019696)
Sentry Ag Service
VI 2344188

iv 06/24/2023 09:55:11



UI 2344188