

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:** Coronado Dairy Farms, LLC

Physical address of dairy:

5850 160 AVE
Number and StreetTipton
CityTulare
County93272
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:

X200-X190-X004-XXXX**B. OPERATORS**

Coronado Dairy Farms LLC

Operator name: Coronado Dairy Farms LLC

Telephone no.:

(626) 232-1175

Landline

Cellular

P.O. Box 109HanfordCA93232

Mailing Address Number and Street

City

State

Zip Code

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

Maricopa Orchards LLC

Legal owner name: Maricopa Orchards LLC

Telephone no.:

(559) 440-8350

Landline

Cellular

1306 West Herndon AVEFresnoCA93711

Mailing Address Number and Street

City

State

Zip Code

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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	707	518	0	0	0
Number under roof	4,224	0	0	0	0	0
Maximum number	4,263	721	533	0	0	0
Average number	4,224	707	518	0	0	0
Avg live weight (lbs)	1,400	1,450	950	0		

Predominant milk cow breed: Holstein

Average milk production: 72 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 125,008.96 tons per reporting period

Total nitrogen from manure: 1,607,794.36 lbs per reporting period

After ammonia losses (30% loss applied): 1,125,456.05 lbs per reporting period

Total phosphorus from manure: 267,563.84 lbs per reporting period

Total potassium from manure: 814,485.31 lbs per reporting period

Total salt from manure: 2,151,445.05 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 89,115,173 gallons

Total nitrogen generated: 376,118.77 lbs

Total phosphorus generated: 77,319.70 lbs

Total potassium generated: 427,704.86 lbs

Total salt generated: 3,405,153.86 lbs

89,115,173 gallons applied
+ 0 gallons exported
- 0 gallons imported
= 89,115,173 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
17	Ground water
Barn #1	Ground water
Barn #2	Ground water
Dairy Well	Ground water
Lower Tule I.D.	Surface water

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Source Description	Type
New Well	Ground water
P1	Ground water
P4	Ground water
P5	Ground water
P6	Ground water
P7	Ground water
P8	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
12	21	21	0	none	X200-X160-X016-XXXX X200-X190-X004-XXXX X200-X190-X005-XXXX
13	29	29	0	none	X200-X160-X005-XXXX X200-X160-X016-XXXX X200-X190-X004-XXXX
1A	180	180	2	process wastewater	X200-X160-X006-XXXX X200-X160-X007-XXXX X200-X160-X012-XXXX
1B	150	150	2	process wastewater	X200-X160-X007-XXXX
2	157	157	2	process wastewater	X200-X160-X002-XXXX
3	140	140	2	process wastewater	X200-X160-X009-XXXX
4	123	123	1	process wastewater	X200-X160-X010-XXXX
Totals for areas that were used for application	750	750	9		
Totals for areas that were not used for application	50	50	0		
Land application area totals	800	800	9		

B. CROPS AND HARVESTS

1A

Field name: 1A

11/18/2022: Triticale, soft dough

Crop: Triticale, soft dough Acres planted: 180 Plant date: 11/18/2022

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	3,840.00 ton	Dry-weight		61.3	12,800.00	2,600.00	11,700.00		7.39

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	220.00	37.40	165.00	1,496.00
Total actual harvest content	21.33	211.35	42.93	193.19	1,220.24

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1A

06/24/2023: Corn, silage

Crop: Corn, silage Acres planted: 180 Plant date: 06/24/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/12/2023	5,310.00 ton	Dry-weight		63.8	12,100.00	2,300.00	8,700.00		4.74

	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	29.50	258.43	49.12	185.81	1,012.37

1B

Field name: 1B

11/19/2022: Triticale, soft dough

Crop: Triticale, soft dough Acres planted: 150 Plant date: 11/19/2022

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	3,175.00 ton	Dry-weight		70.0	20,800.00	4,200.00	26,000.00		13.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	220.00	37.40	165.00	1,496.00
Total actual harvest content	21.17	264.16	53.34	330.20	1,663.70

06/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 150 Plant date: 06/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/12/2023	4,380.00 ton	Dry-weight		65.8	11,400.00	2,300.00	10,100.00		5.50

	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	29.20	227.69	45.94	201.73	1,098.50

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2

Field name: 2

11/20/2022: Triticale, soft dough

Crop: Triticale, soft dough Acres planted: 157 Plant date: 11/20/2022

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	3,390.00 <i>ton</i>	Dry-weight		74.4	18,200.00	4,800.00	28,200.00		17.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	220.00	37.40	165.00	1,496.00
Total actual harvest content	21.59	201.21	53.07	311.76	1,912.56

06/26/2023: Corn, silage

Crop: Corn, silage Acres planted: 157 Plant date: 06/26/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/12/2023	4,585.00 <i>ton</i>	Dry-weight		65.8	11,200.00	2,200.00	9,300.00		4.94

	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	29.20	223.72	43.95	185.77	986.79

3

Field name: 3

11/23/2022: Triticale, soft dough

Crop: Triticale, soft dough Acres planted: 140 Plant date: 11/23/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/19/2023	2,960.00 <i>ton</i>	Dry-weight		61.1	12,700.00	2,500.00	12,200.00		7.97

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	220.00	37.40	165.00	1,496.00
Total actual harvest content	21.14	208.90	41.12	200.68	1,311.00

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3

06/15/2023: Sorghum

Crop: Sorghum Acres planted: 140 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 (%)
10/15/2023	3,195.00 ton	Dry-weight		68.7	15,100.00	2,200.00	19,000.00		8.55

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	25.00	180.00	35.00	342.50	1,500.00
Total actual harvest content	22.82	215.72	31.43	271.44	1,221.47

4

Field name: 4

11/24/2022: Triticale, soft dough

Crop: Triticale, soft dough Acres planted: 123 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 (%)
05/22/2023	2,650.00 ton	Dry-weight		67.2	13,200.00	3,400.00	20,000.00		9.69

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	220.00	37.40	165.00	1,496.00
Total actual harvest content	21.54	186.56	48.05	282.67	1,369.52

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NUTRIENT BUDGET

A. LAND APPLICATIONS

1A - 11/18/2022: Triticale, soft dough

Field name: 1A

Crop: Triticale, soft dough

Plant date: 11/18/2022

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following		
11/02/2022	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Lagoon		Process wastewater	87.88	7.45	96.96	1,323.71	3,998,900.00 <i>gal</i>		
P4		Ground water	0.00	0.00	0.00	189.90	24,095,000.00 <i>gal</i>		
Application event totals			87.88	7.45	96.96	1,513.61			
01/23/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Lagoon		Process wastewater	95.00	9.06	108.02	959.81	3,508,950.00 <i>gal</i>		
P4		Ground water	0.00	0.00	0.00	182.14	23,109,950.00 <i>gal</i>		
Application event totals			95.00	9.06	108.02	1,141.94			
04/07/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Lagoon		Process wastewater	81.76	8.29	117.13	503.88	3,598,900.00 <i>gal</i>		
P4		Ground water	0.00	0.00	0.00	162.32	20,595,000.00 <i>gal</i>		
Application event totals			81.76	8.29	117.13	666.20			

1A - 06/24/2023: Corn, silage

Field name: 1A

Crop: Corn, silage

Plant date: 06/24/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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1A - 06/24/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	101.92	10.34	146.02	628.17	4,486,560.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	35.87	25,787,156.00 <i>gal</i>
Application event totals		101.92	10.34	146.02	664.03	
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
Lower Tule I.D.	Surface water	0.00	0.00	0.00	37.68	27,088,990.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	37.68	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	102.23	46.41	85.67	834.16	4,409,980.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	37.41	26,898,940.00 <i>gal</i>
Application event totals		102.23	46.41	85.67	871.57	
08/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lower Tule I.D.	Surface water	0.00	0.00	0.00	36.31	26,108,800.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	36.31	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	88.29	40.08	73.99	720.47	3,808,900.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	201.81	25,605,450.00 <i>gal</i>
Application event totals		88.29	40.08	73.99	922.27	

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1A - 06/24/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
08/31/2023	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
	P4		Ground water	0.00	0.00	0.00	203.73	25,849,650.00 <i>gal</i>
	Application event totals			0.00	0.00	0.00	203.73	
09/14/2023	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
	P4		Ground water	0.00	0.00	0.00	196.25	24,900,560.00 <i>gal</i>
	Application event totals			0.00	0.00	0.00	196.25	

1B - 11/19/2022: Triticale, soft dough

Field name: 1B

Crop: Triticale, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/31/2022	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	94.90	8.05	104.71	1,429.56	3,598,900.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	199.55	21,099,800.00 <i>gal</i>
Application event totals		94.90	8.05	104.71	1,629.12	
02/07/2023	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
Lagoon	Process wastewater	104.29	9.95	118.58	1,053.60	3,209,890.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	29.36	17,589,880.00 <i>gal</i>
Application event totals		104.29	9.95	118.58	1,082.96	

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1B - 11/19/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
04/13/2023	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	81.81	8.26	116.73	502.19	2,988,998.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	28.32	16,968,990.00 <i>gal</i>
Application event totals		81.81	8.26	116.73	530.51	

1B - 06/25/2023: Corn, silage

Field name: 1B

Crop: Corn, silage

Plant date: 06/25/2023

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
Lagoon		Process wastewater	107.86	10.94	154.53	664.77	3,956,654.00 <i>gal</i>
Lower Tule I.D.		Surface water	0.00	0.00	0.00	32.86	19,689,840.00 <i>gal</i>
Application event totals			107.86	10.94	154.53	697.63	
07/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lower Tule I.D.		Surface water	0.00	0.00	0.00	32.62	19,545,400.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	32.62	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P4		Ground water	0.00	0.00	0.00	183.95	19,449,800.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	183.95	

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1B - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	97.05	44.06	81.33	791.96	3,489,050.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	191.03	20,198,770.00 <i>gal</i>
Application event totals		97.05	44.06	81.33	982.99	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P4	Ground water	0.00	0.00	0.00	190.28	20,118,980.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	190.28	
08/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	94.85	43.06	79.48	773.97	3,409,800.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	180.26	19,059,400.00 <i>gal</i>
Application event totals		94.85	43.06	79.48	954.23	
09/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P4	Ground water	0.00	0.00	0.00	172.27	18,214,600.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	172.27	
09/22/2023	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
P4	Ground water	0.00	0.00	0.00	164.95	17,440,654.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	164.95	

2 - 11/20/2022: Triticale, soft dough

Field name: 2

Crop: Triticale, soft dough

Plant date: 11/20/2022

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2 - 11/20/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/01/2022	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	83.39	7.07	92.01	1,256.11	3,309,800.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	173.48	19,198,856.00 <i>gal</i>
Application event totals		83.39	7.07	92.01	1,429.59	
01/30/2023	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	93.43	8.91	106.23	943.90	3,009,855.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	154.60	17,109,800.00 <i>gal</i>
Application event totals		93.43	8.91	106.23	1,098.50	
03/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	88.81	9.01	127.23	547.36	3,409,888.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	167.75	18,565,000.00 <i>gal</i>
Application event totals		88.81	9.01	127.23	715.11	

2 - 06/26/2023: Corn, silage

Field name: 2

Crop: Corn, silage

Plant date: 06/26/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	104.32	10.58	149.46	642.98	4,005,560.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	34.76	21,798,005.00 <i>gal</i>
Application event totals		104.32	10.58	149.46	677.74	

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

2 - 06/26/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
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	
Lower Tule I.D.		Surface water	0.00	0.00	0.00	41.31	25,908,650.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	41.31		
07/26/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	101.25	45.97	84.85	826.23	3,809,890.00 <i>gal</i>	
Lower Tule I.D.		Surface water	0.00	0.00	0.00	35.31	22,144,840.00 <i>gal</i>	
Application event totals			101.25	45.97	84.85	861.54		
08/06/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lower Tule I.D.		Surface water	0.00	0.00	0.00	36.99	23,198,900.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	36.99		
08/17/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	79.22	35.96	66.38	646.39	2,980,650.00 <i>gal</i>	
P4		Ground water	0.00	0.00	0.00	216.85	23,998,980.00 <i>gal</i>	
Application event totals			79.22	35.96	66.38	863.25		
08/29/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
P4		Ground water	0.00	0.00	0.00	199.38	22,065,650.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	199.38		
09/13/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
P4		Ground water	0.00	0.00	0.00	198.51	21,968,926.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	198.51		

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

3 - 11/23/2022: Triticale, soft dough

Field name: 3

Crop: Triticale, soft dough

Plant date: 11/23/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/04/2022	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	81.89	6.95	90.36	1,233.59	2,898,500.00 gal
P4	Ground water	0.00	0.00	0.00	190.07	18,756,900.00 gal
Application event totals		81.89	6.95	90.36	1,423.65	

02/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	90.10	8.59	102.45	910.30	2,588,410.00 gal
Lower Tule I.D.	Surface water	0.00	0.00	0.00	33.26	18,598,440.00 gal
Application event totals		90.10	8.59	102.45	943.56	

04/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	84.99	8.62	121.76	523.82	2,909,890.00 gal
Lower Tule I.D.	Surface water	0.00	0.00	0.00	30.60	17,109,980.00 gal
Application event totals		84.99	8.62	121.76	554.42	

3 - 06/15/2023: Sorghum

Field name: 3

Crop: Sorghum

Plant date: 06/15/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	87.23	8.85	124.97	537.62	2,986,560.00 gal
Lower Tule I.D.	Surface water	0.00	0.00	0.00	37.37	20,898,980.00 gal
Application event totals		87.23	8.85	124.97	574.99	

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

3 - 06/15/2023: Sorghum

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P4	Ground water	0.00	0.00	0.00	230.08	22,705,565.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	230.08	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	86.56	39.30	72.54	706.34	2,904,400.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	36.68	20,509,500.00 <i>gal</i>
Application event totals		86.56	39.30	72.54	743.02	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	84.69	38.45	70.97	691.04	2,841,499.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	199.71	19,708,650.00 <i>gal</i>
Application event totals		84.69	38.45	70.97	890.76	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
P4	Ground water	0.00	0.00	0.00	206.72	20,400,410.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	206.72	

4 - 11/24/2022: Triticale, soft dough

Field name: 4

Crop: Triticale, soft dough

Plant date: 11/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Reporting period 01/01/2023 to 12/31/2023.

4 - 11/24/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/06/2022	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	80.74	6.85	89.09	1,216.20	2,510,655.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	185.67	16,098,400.00 <i>gal</i>
Application event totals		80.74	6.85	89.09	1,401.88	
02/10/2023	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	95.03	9.06	108.05	960.09	2,398,494.00 <i>gal</i>
P4	Ground water	0.00	0.00	0.00	190.82	16,544,402.00 <i>gal</i>
Application event totals		95.03	9.06	108.05	1,150.91	
04/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	69.34	7.03	99.33	427.33	2,085,640.00 <i>gal</i>
Lower Tule I.D.	Surface water	0.00	0.00	0.00	28.22	13,865,004.00 <i>gal</i>
Application event totals		69.34	7.03	99.33	455.55	

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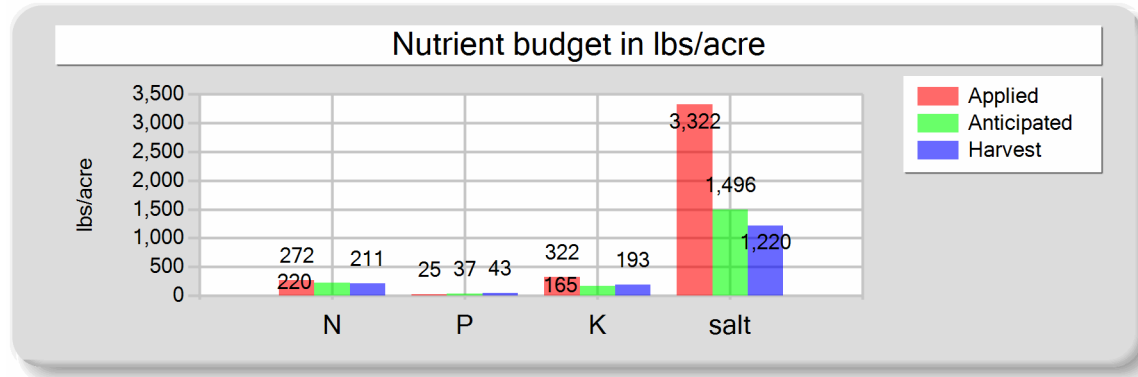
B. NUTRIENT BUDGET

1A - 11/18/2022: Triticale, soft dough

Field name: 1A

Crop: Triticale, soft dough

Plant date: 11/18/2022



	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	67,799,950.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,496.84 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	13.87 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	264.64	24.81	322.11	2,787.40	Process wastewater applied
Fresh water	0.00	0.00	0.00	534.36	11,106,750.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	409.02 acre-inches
Total nutrients applied	271.64	24.81	322.11	3,321.76	2.27 inches/acre
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00	
Actual crop nutrient removal	211.35	42.93	193.19	1,220.24	Total harvests for the crop
Nutrient balance	60.28	-18.12	128.92	2,101.52	1 harvests
Applied to removed ratio	1.29	0.58	1.67	2.72	

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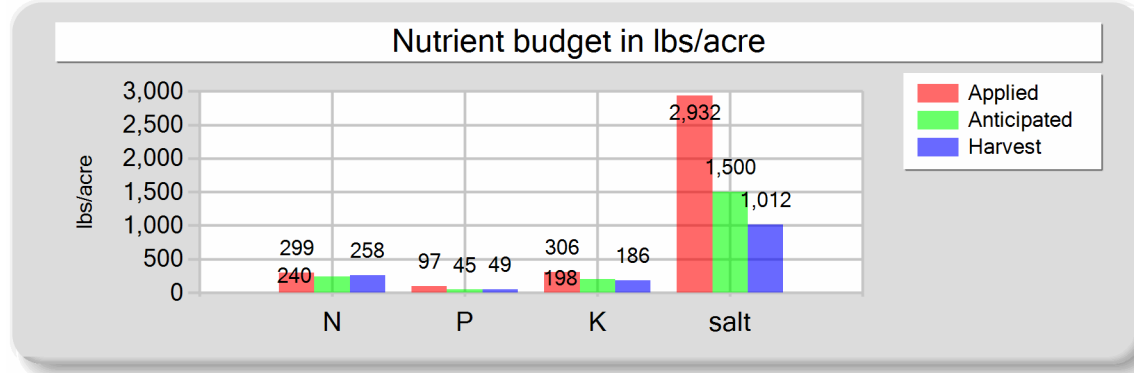
Reporting period 01/01/2023 to 12/31/2023.

1A - 06/24/2023: Corn, silage

Field name: 1A

Crop: Corn, silage

Plant date: 06/24/2023



	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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	292.44	96.83	305.67	2,182.79
Fresh water	0.00	0.00	0.00	749.06
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	299.44	96.83	305.67	2,931.85
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	258.43	49.12	185.81	1,012.37
Nutrient balance	41.01	47.71	119.86	1,919.48
Applied to removed ratio	1.16	1.97	1.65	2.90

Fresh water applied
182,239,546.00 <i>gallons</i>
6,711.26 <i>acre-inches</i>
37.28 <i>inches/acre</i>

Process wastewater applied
12,705,440.00 <i>gallons</i>
467.90 <i>acre-inches</i>
2.60 <i>inches/acre</i>

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

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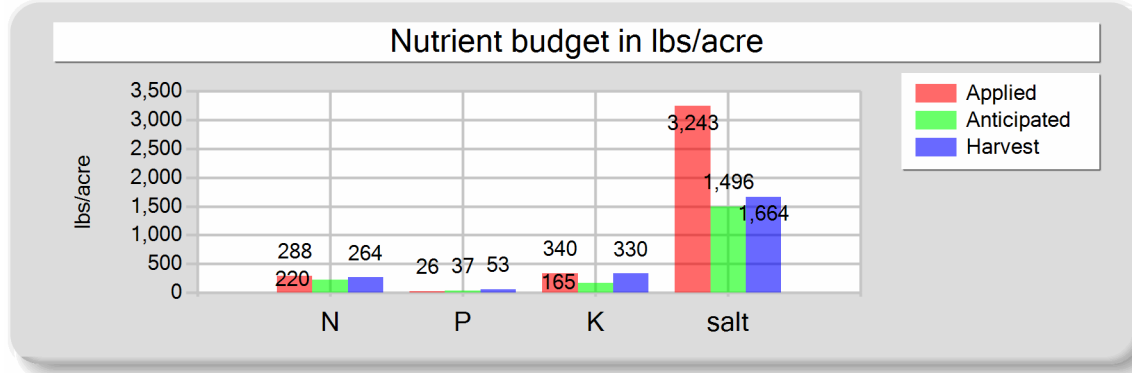
Reporting period 01/01/2023 to 12/31/2023.

1B - 11/19/2022: Triticale, soft dough

Field name: 1B

Crop: Triticale, soft dough

Plant date: 11/19/2022



	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	281.01	26.26	340.02	2,985.36
Fresh water	0.00	0.00	0.00	257.23
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	288.01	26.26	340.02	3,242.59
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00
Actual crop nutrient removal	264.16	53.34	330.20	1,663.70
Nutrient balance	23.85	-27.08	9.82	1,578.89
Applied to removed ratio	1.09	0.49	1.03	1.95

Fresh water applied
55,658,670.00 gallons
2,049.72 acre-inches
13.66 inches/acre

Process wastewater applied
9,797,788.00 gallons
360.82 acre-inches
2.41 inches/acre

Total harvests for the crop
1 harvests

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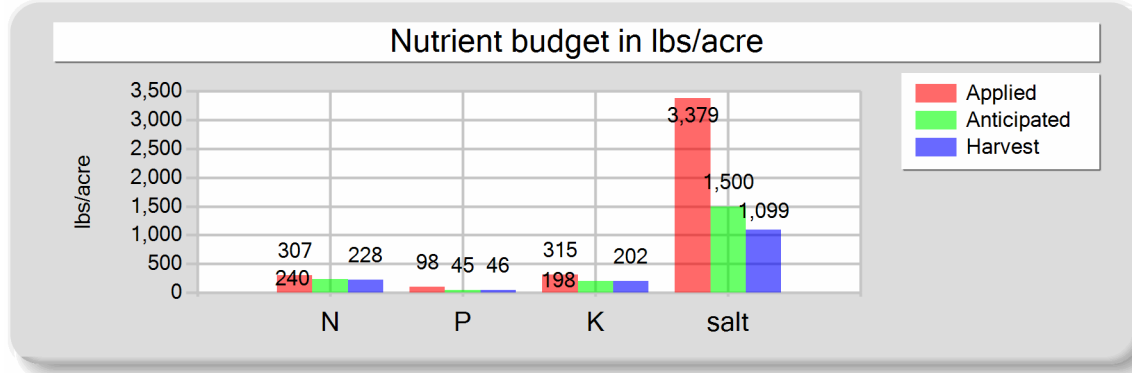
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1B - 06/25/2023: Corn, silage

Field name: 1B

Crop: Corn, silage

Plant date: 06/25/2023



	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	153,717,444.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	5,660.89 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.74 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	299.76	98.06	315.34	2,230.70	Process wastewater applied
Fresh water	0.00	0.00	0.00	1,148.22	10,855,504.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	399.77 <i>acre-inches</i>
Total nutrients applied	306.76	98.06	315.34	3,378.91	2.67 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	227.69	45.94	201.73	1,098.50	Total harvests for the crop
Nutrient balance	79.07	52.13	113.61	2,280.41	1 <i>harvests</i>
Applied to removed ratio	1.35	2.13	1.56	3.08	

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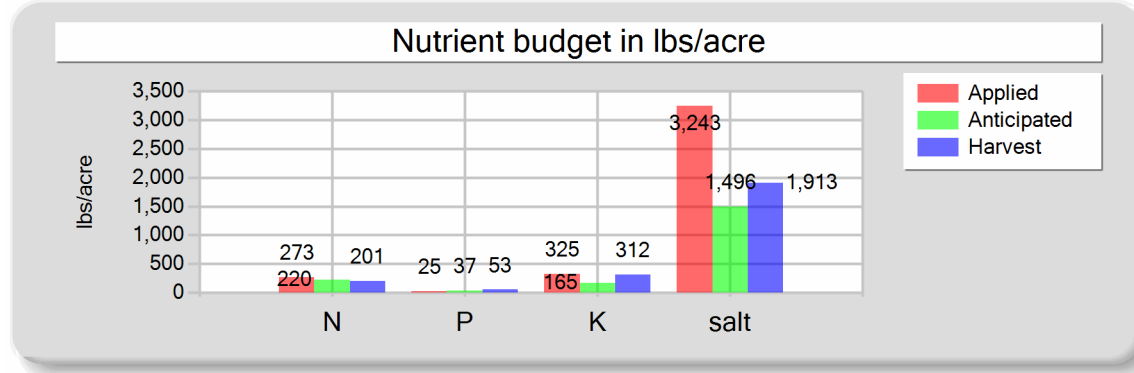
Reporting period 01/01/2023 to 12/31/2023.

2 - 11/20/2022: Triticale, soft dough

Field name: 2

Crop: Triticale, soft dough

Plant date: 11/20/2022



	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	265.63	24.99	325.47	2,747.36
Fresh water	0.00	0.00	0.00	495.84
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	272.63	24.99	325.47	3,243.20
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00
Actual crop nutrient removal	201.21	53.07	311.76	1,912.56
Nutrient balance	71.42	-28.07	13.71	1,330.64
Applied to removed ratio	1.35	0.47	1.04	1.70

Fresh water applied
54,873,656.00 gallons
2,020.81 acre-inches
12.87 inches/acre

Process wastewater applied
9,729,543.00 gallons
358.31 acre-inches
2.28 inches/acre

Total harvests for the crop
1 harvests

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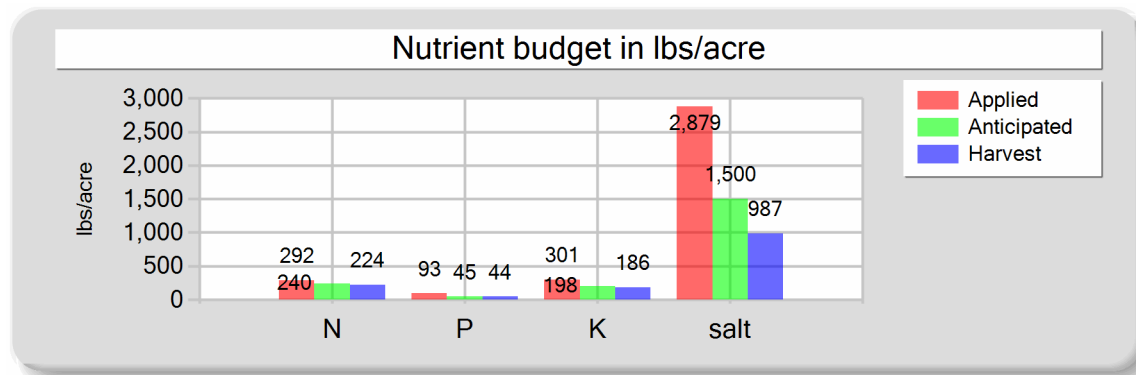
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2 - 06/26/2023: Corn, silage

Field name: 2

Crop: Corn, silage

Plant date: 06/26/2023



	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	284.79	92.51	300.69	2,115.60
Fresh water	0.00	0.00	0.00	763.13
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	291.79	92.51	300.69	2,878.73
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	223.72	43.95	185.77	986.79
Nutrient balance	68.07	48.57	114.92	1,891.94
Applied to removed ratio	1.30	2.11	1.62	2.92

Fresh water applied
161,083,951.00 <i>gallons</i>
5,932.17 <i>acre-inches</i>
37.78 <i>inches/acre</i>

Process wastewater applied
10,796,100.00 <i>gallons</i>
397.58 <i>acre-inches</i>
2.53 <i>inches/acre</i>

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

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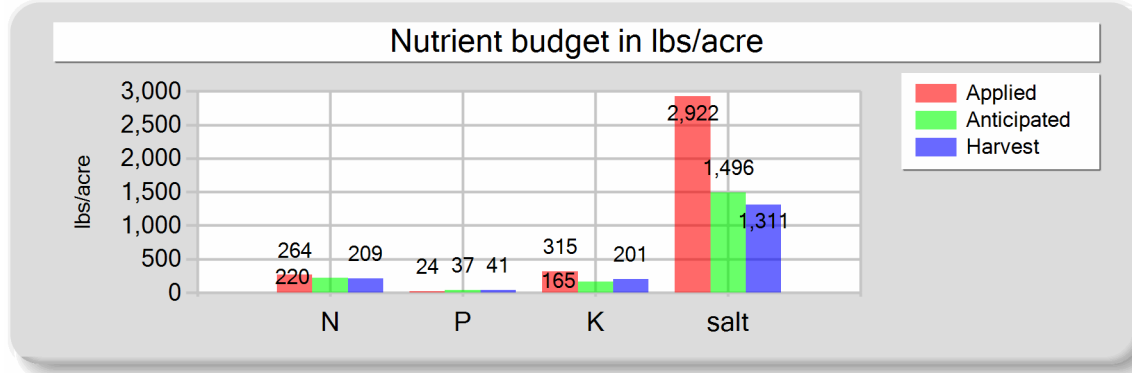
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3 - 11/23/2022: Triticale, soft dough

Field name: 3

Crop: Triticale, soft dough

Plant date: 11/23/2022



	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	256.99	24.16	314.57	2,667.70
Fresh water	0.00	0.00	0.00	253.92
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	263.99	24.16	314.57	2,921.63
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00
Actual crop nutrient removal	208.90	41.12	200.68	1,311.00
Nutrient balance	55.08	-16.96	113.89	1,610.63
Applied to removed ratio	1.26	0.59	1.57	2.23

Fresh water applied
54,465,320.00 gallons
2,005.77 acre-inches
14.33 inches/acre

Process wastewater applied
8,396,800.00 gallons
309.23 acre-inches
2.21 inches/acre

Total harvests for the crop
1 harvests

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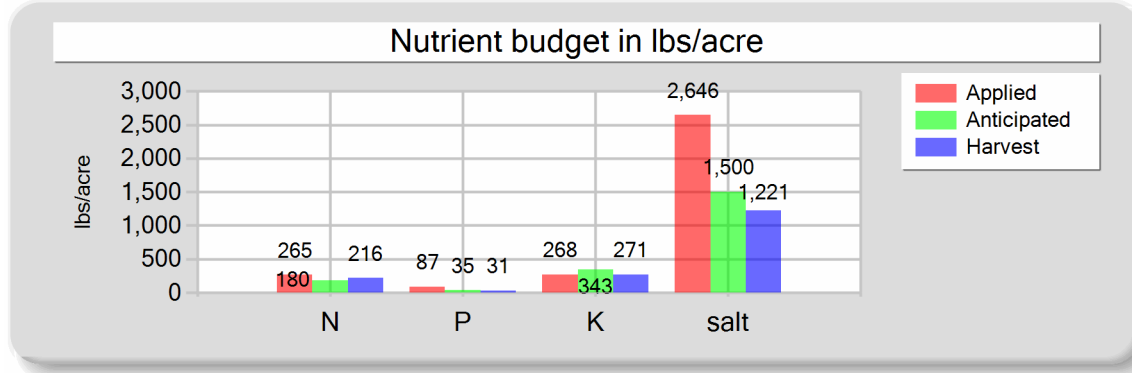
Reporting period 01/01/2023 to 12/31/2023.

3 - 06/15/2023: Sorghum

Field name: 3

Crop: Sorghum

Plant date: 06/15/2023



	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	104,223,105.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	3,838.18 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	27.42 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	258.48	86.59	268.48	1,935.01	
Fresh water	0.00	0.00	0.00	710.56	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	265.48	86.59	268.48	2,645.57	
Anticipated crop nutrient removal	180.00	35.00	342.50	1,500.00	
Actual crop nutrient removal	215.72	31.43	271.44	1,221.47	
Nutrient balance	49.76	55.16	-2.96	1,424.10	
Applied to removed ratio	1.23	2.76	0.99	2.17	
					Process wastewater applied
					8,732,459.00 <i>gallons</i>
					321.59 <i>acre-inches</i>
					2.30 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

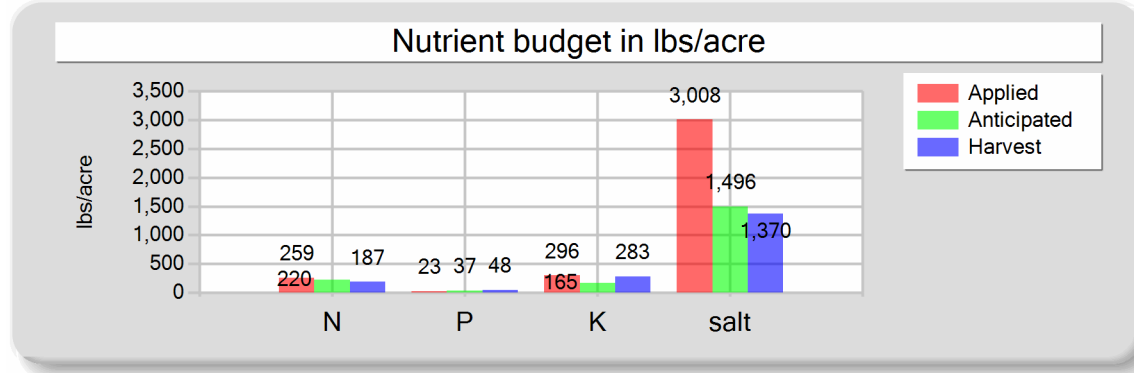
Reporting period 01/01/2023 to 12/31/2023.

4 - 11/24/2022: Triticale, soft dough

Field name: 4

Crop: Triticale, 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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	245.11	22.94	296.47	2,603.63
Fresh water	0.00	0.00	0.00	404.71
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	259.11	22.94	296.47	3,008.34
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00
Actual crop nutrient removal	186.56	48.05	282.67	1,369.52
Nutrient balance	72.55	-25.11	13.80	1,638.82
Applied to removed ratio	1.39	0.48	1.05	2.20

Fresh water applied
46,507,806.00 gallons
1,712.72 acre-inches
13.92 inches/acre

Process wastewater applied
6,994,789.00 gallons
257.59 acre-inches
2.09 inches/acre

Total harvests for the crop
1 harvests

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

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

Manure

Sample and source description: Manure

Sample date: 10/24/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 4.1 %

	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	24,100.00	3,700.00	6,300.00							
DL	100.00	200.00	200.00							

Manure

Sample and source description: Manure

Sample date: 05/01/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 8.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,800.00	3,400.00	15,200.00							
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: 7.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	22,100.00	5,100.00	5,500.00							
DL	100.00	200.00	200.00							

B. PROCESS WASTEWATER ANALYSES

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

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

Lagoon

Sample and source description: LagoonSample date: 11/28/2022 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	474.00	379.00	0.00	0.00	40.20	523.00								10,800.00	7,140
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

Lagoon

Sample and source description: LagoonSample date: 03/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.50

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	584.00	415.00	0.00	0.00	55.70	664.00								8,890.00	5,900
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

Lagoon

Sample and source description: LagoonSample date: 05/01/2023 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	490.00	470.00	0.00	0.00	49.70	702.00								4,550.00	3,020
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

Lagoon

Sample and source description: LagoonSample date: 08/07/2023 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	500.00	436.00	0.00	0.00	227.00	419.00								6,140.00	4,080
DL	10.00	2.00	0.10	2.00	0.20	0.50								100.00	10

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

Lagoon

Sample and source description: Lagoon

Sample date: 11/09/2023 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	533.00	531.00	0.00	0.00	39.10	480.00								7,870.00	5,230
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

C. FRESH WATER ANALYSES

Barn #1

Barn #1

Sample description: Barn #1

Sample date: 12/14/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	25.10		25.10								1,000.00	
DL	0.40		0.40								1.00	

Lower Tule I.D.

Canal water

Sample description: Canal water

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								40.00	30
DL	0.50		0.40								1.00	20

P4

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

P4

P4

Sample description: P4

Sample date: 08/30/2023 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	0.00		0.00								229.00	170
DL	0.50		0.40								1.00	20

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

1A - 11/18/2022: Triticale, soft dough

1A

Sample and source description: 1A

Sample date: 05/24/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	2,600.00	11,700.00		7.39
DL	500.00	200.00	200.00		0.05

1A - 06/24/2023: Corn, silage

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

1A - 06/24/2023: Corn, silage

1A

Sample and source description: 1A

Sample date: 10/12/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,100.00	2,300.00	8,700.00		4.74
DL	500.00	200.00	200.00		0.05

1B - 11/19/2022: Triticale, soft dough

1B

Sample and source description: 1B

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

Moisture: 70.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,800.00	4,200.00	26,000.00		13.10
DL	500.00	200.00	200.00		0.05

1B - 06/25/2023: Corn, silage

1B

Sample and source description: 1B

Sample date: 10/12/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,400.00	2,300.00	10,100.00		5.50
DL	500.00	200.00	200.00		0.05

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

2 - 11/20/2022: Triticale, soft dough

2

Sample and source description: 2

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 74.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,200.00	4,800.00	28,200.00		17.30
DL	500.00	200.00	200.00		0.05

2 - 06/26/2023: Corn, silage

2

Sample and source description: 2

Sample date: 10/12/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,200.00	2,200.00	9,300.00		4.94
DL	500.00	200.00	200.00		0.05

3 - 11/23/2022: Triticale, soft dough

3

Sample and source description: 3

Sample date: 05/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,700.00	2,500.00	12,200.00		7.97
DL	500.00	200.00	200.00		0.05

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

3 - 06/15/2023: Sorghum

3

Sample and source description: 3

Sample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,100.00	2,200.00	19,000.00		8.55
DL	500.00	200.00	200.00		0.05

4 - 11/24/2022: Triticale, soft dough

4

Sample and source description: 4

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

Moisture: 67.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,200.00	3,400.00	20,000.00		9.69
DL	500.00	200.00	200.00		0.05

F. SUBSURFACE (TILE) DRAINAGE ANALYSES*No subsurface (tile) drainage analyses entered.*

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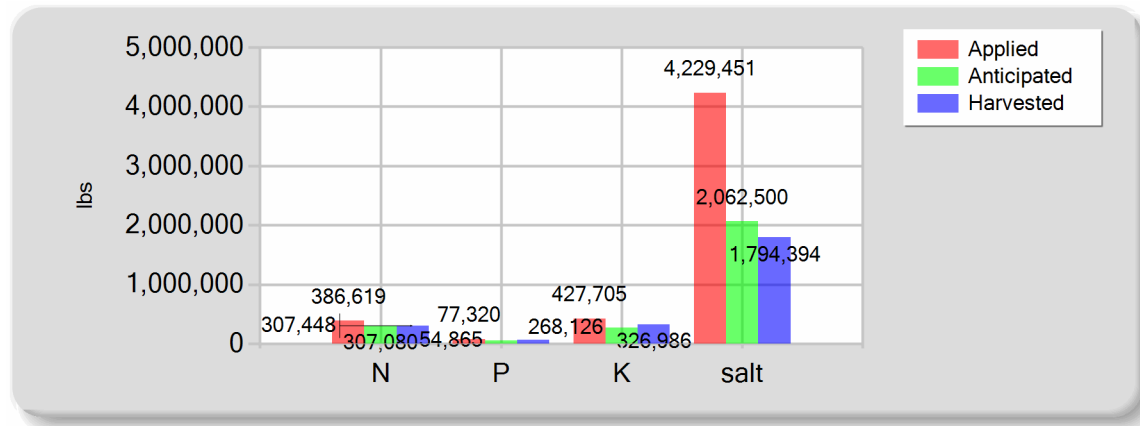
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

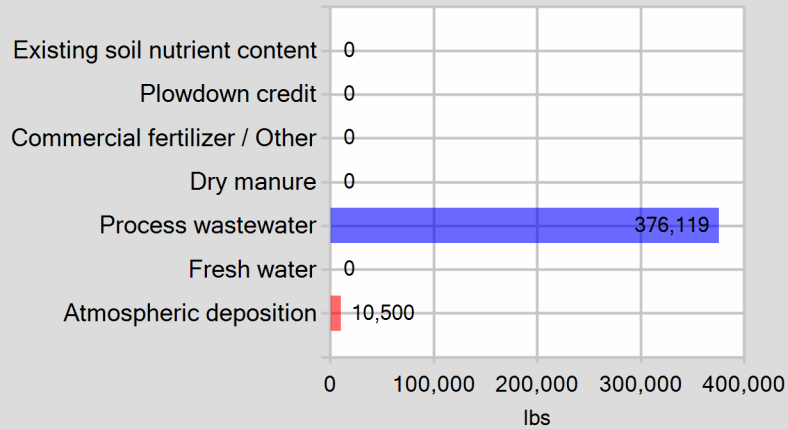
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	376,118.77	77,319.70	427,704.86	3,405,153.86
Fresh water	0.00	0.00	0.00	824,297.11
Atmospheric deposition	10,500.00	0.00	0.00	0.00
Total nutrients applied	386,618.77	77,319.70	427,704.86	4,229,450.97
Anticipated crop nutrient removal	307,080.00	54,865.00	268,126.00	2,062,500.00
Actual crop nutrient removal	307,447.52	62,760.13	326,986.44	1,794,394.12
Nutrient balance	79,171.25	14,559.57	100,718.43	2,435,056.85
Applied to removed ratio	1.26	1.23	1.31	2.36

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

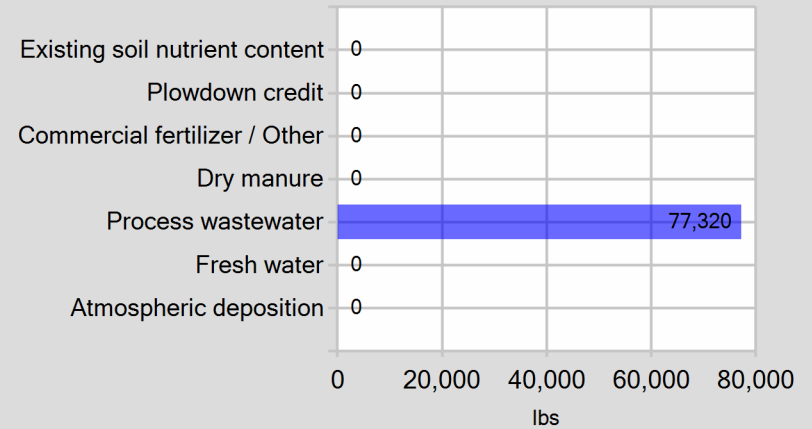


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

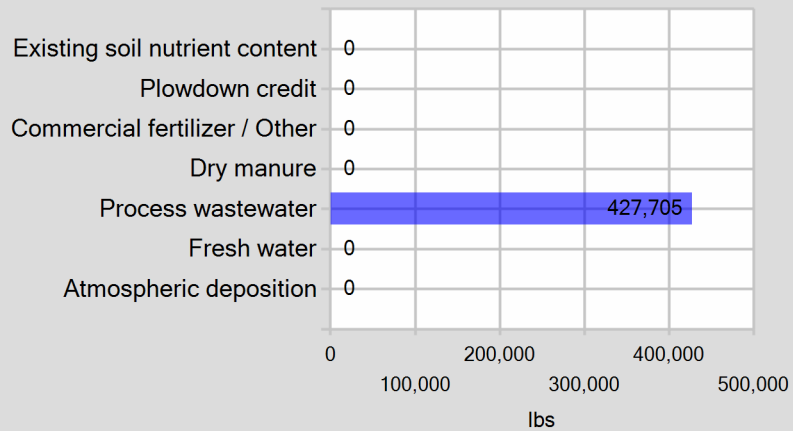
Pounds of nitrogen applied



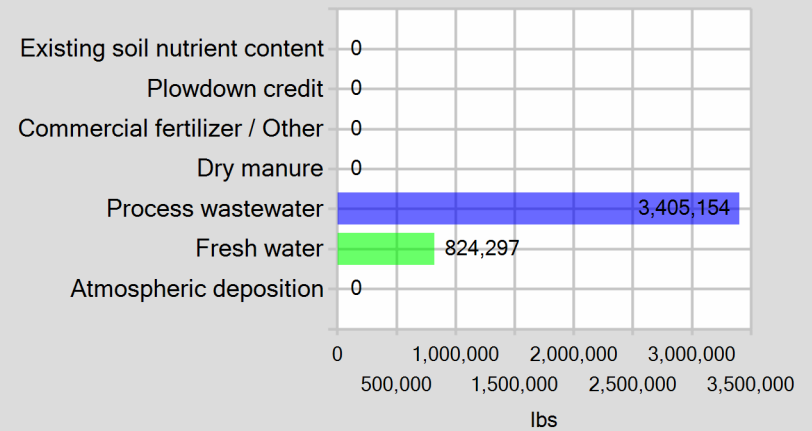
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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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

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

ADDITIONAL NOTES

A. NOTES

Wells - P1, P5, P6, P7, P8, 17, new well, dairy well, barn #2 were out of Service in 2023.

Fields 12 and 13 were fallow in 2023.

Wells - Jesus and Greg's have been removed and are no longer part of the facility.

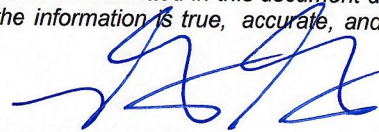
Annual Report - General Order No. R5-2007-0035

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

SIGNATURE OF OPERATOR OF FACILITY

Maricopa Orchards LLC

Coronado Dairy Farms LLC

PRINT OR TYPE NAME

PRINT OR TYPE NAME

6/11/24

DATE

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Groundwater Monitoring

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

Storm Water Monitoring

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

July 11, 2023

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

Lab No. : VI 2344187
Customer No. : 4019696
Reference : 3043

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
Lower Tule I.D.	06/23/2023	06/23/2023	VI 2344187-001	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 : Lower Tule I.D.
 Project : Lower Tule I.D.

Lab No. : VI 2344187-001
 Customer No. : 4019696
 Reference : 3043
 Sampled On : June 23, 2023 at 08:45
 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	19:43	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/28/2023	11:00	lfs	SM 4500-NO3 F	06/28/2023	12:33	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	Calc.	07/07/2023	19:43	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	12:33	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	EPA 351.2	07/07/2023	19:43	lcr
Conductivity	40	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/05/2023	22:57	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 2344187
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2343994-001)	Dup	umhos/cm		1.38%	5	
Solids, Total Dissolved	2540CE	06/27/2023:207083CTL (STK2338352-001) (STK2338352-001)	Blank	mg/L	993.7	ND	<20	
			LCS	mg/L		101%	90-110	
			Dup	mg/L		3.55%	5	
			Dup	mg/L		4.96%	5	
Nitrogen, Total Kjeldahl	351.2	07/03/2023:207257STA (VI 2343914-005) (VI 2343914-006)	Blank	mg/L	12.00	ND	<0.5	
			LCS	mg/L		102%	73-124	
			MS	mg/L		89.5%	54-136	
			MSD	mg/L		96.2%	54-136	
			MSRPD	mg/L		6.8%	≤27	
			MS	mg/L		97.0%	54-136	
			MSD	mg/L		98.6%	54-136	
			MSRPD	mg/L		1.6%	≤27	
Nitrate + Nitrite as N	4500NO3F	06/28/2023:207139LFS (SP 2310989-001)	Blank	mg/L	5.609	ND	<0.4	
			LCS	mg/L		98.6%	80-120	
			MS	mg/L		98.8%	66-125	
			MSD	mg/L		98.1%	66-125	
			MSRPD	mg/L		0.6%	≤30.4	
Nitrate Nitrogen	4500NO3F	06/28/2023:207139LFS (SP 2310989-001)	Blank	mg/L	5.609	ND	<0.4	
			LCS	mg/L		98.6%	80-120	
			MS	mg/L		98.8%	66-125	
			MSD	mg/L		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

2344187

3043

SITE NAME: Lower Tule 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	Lower Tule I.D.	Canal	W2	6/23/23 8:45	Klay	-		
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:

AGLS 6/24/23
1634

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st	<u>Klay</u>	<u>SAI</u>		<u>6/23/23 10:28</u>
2 nd	<u>COOS</u>	<u>FGL</u>	<u>6-23-2023 1028</u>	
3 rd	<u>COOS</u>	<u>FGL</u>		<u>6-23-2023 1028</u>
4 th	<u>GLS</u>		<u>6-23-2023 1028</u>	

LABORATORY USE ONLY

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

6-6⁰
ROI

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° ROT / / /

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):

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):

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 cor contacts)

(4019696)
Sentry Ag Service
VI 2344187
iv 06/24/2023 09:55:15
0501-1101

September 14, 2023

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

Lab No. : VI 2345797
Customer No. : 4019696
Reference : 3135

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
P4	08/30/2023	08/30/2023	VI 2345797-001	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: 2023-09-15

September 14, 2023

Sentry Ag Services

Attn: Monique Baldiviez

P.O. Box 7750

Visalia, CA 93290

Description : P4

Project : Coronado Dairy Farms

Lab No. : VI 2345797-001

Customer No. : 4019696

Reference : 3135

Sampled On : August 30, 2023 at 11:01

Sampled By : Brandon H.

Received On : August 30, 2023 at 15:14

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	Ul	09/12/2023	09:41	sta	EPA 351.2	09/13/2023	17:50	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	Uh	08/31/2023	12:00	lfs	SM 4500-NO3 F	08/31/2023	14:09	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	Ulh	09/12/2023	09:41	sta	Calc.	09/13/2023	17:50	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	Uh	08/31/2023	12:00	lfs	SM 4500-NO3 F	08/31/2023	14:09	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	Ul	09/12/2023	09:41	sta	EPA 351.2	09/13/2023	17:50	lcr
Conductivity	229	1	umhos/cm		1		09/05/2023	09:15	krh	SM 4500-H+B	09/05/2023	11:02	amm
Solids, Total Dissolved (TDS)	170	20	mg/L		1		09/01/2023	10:30	ctl	SM 2540 C	09/05/2023	11:45	ctl

DQF Flags Definition:

- U Constituent results were non-detect.
- l The MS/MSD did not meet QC criteria.
- h The MS/MSD did not meet QC criteria.

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
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2500 Stagecoach Road
 Stockton, CA 95215
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 CA ELAP Certification No. 1563

Office & Laboratory

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 FAX: (530)343-3807
 CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D
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 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

September 14, 2023
Sentry Ag Service

Lab No. : VI 2345797
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2345518-018)	Dup	umhos/cm		0.5%	5	
Solids, Total Dissolved	2540CE	09/01/2023:209835CTL (STK2351855-001) (STK2351855-001)	Blank	mg/L	991.5	ND	<20	
			LCS	mg/L		100%	90-110	
			Dup	mg/L		2.03%	5	
			Dup	mg/L		2.43%	5	
Nitrogen, Total Kjeldahl	351.2	09/12/2023:210201STA (CH 2377291-007) (CH 2377291-009)	Blank	mg/L	12.00	ND	<0.5	
			LCS	mg/L		93.2%	73-124	
			MS	mg/L		88.4%	90-110	435
			MSD	mg/L		88.0%	90-110	435
			MSRPD	mg/L		0.4%	≤20	
			MS	mg/L		91.8%	90-110	
			MSD	mg/L		85.4%	90-110	435
			MSRPD	mg/L		6.3%	≤20	
Nitrate + Nitrite as N	4500NO3F	08/31/2023:209806LFS (CH 2377338-001)	Blank	mg/L	11.22	ND	<0.4	
			LCS	mg/L		100%	80-120	
			MS	mg/L		521%	66-125	435
			MSD	mg/L		519%	66-125	435
			MSRPD	mg/L		0.3%	≤30.4	
Nitrate Nitrogen	4500NO3F	08/31/2023:209806LFS (CH 2377338-001)	Blank	mg/L	11.22	ND	<0.4	
			LCS	mg/L		100%	80-120	
			MS	mg/L		521%	66-125	435
			MSD	mg/L		519%	66-125	435
			MSRPD	mg/L		0.3%	≤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.

Explanation

- 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



Laboratory Analysis Work Order

3135

SITE NAME: Cornado Dairy Farms 23457A7

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	P4	Irr. Well	W2	8/30/23 11:01	Brandon H	—		
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	<i>[Signature]</i>	<i>[Signature]</i>		8/30/23 15:14
2 nd	<i>[Signature]</i>	<i>[Signature]</i>	8/30/23 15:14	
3 rd	<i>[Signature]</i>	<i>[Signature]</i>	8/30/23 17:00	
4 th	<i>[Signature]</i>	<i>[Signature]</i>		

LABORATORY USE ONLY

Logged In By: *[Signature]* 8/31/23 11:00 Total Samples: _____ Laboratory No.: _____

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: 20 517 1 1

Surface water SWTR bact samples: A sample that has a temperature upon receipt of $>10^{\circ}\text{C}$, 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): AD

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 62, 32, 12, 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: 5800 42331 2611210

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): AK

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 contacts)

(4019696)
Sentry Ag Service
VI 2345797
cda 08/31/2023 07:19:32
VI 2345797
2345797

..... 1230 number here

January 2, 2024

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

Lab No. : VI 2348542
Customer No. : 4019696
Reference : 3502

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
Barn #1	12/14/2023	12/14/2023	VI 2348542-001	DW

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)

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: 2024-01-03

January 2, 2024

Sentry Ag Services

Attn: Monique Baldiviez

P.O. Box 7750

Visalia, CA 93290

Description : Barn #1

Project : Coronado Dairy

Lab No. : VI 2348542-001

Customer No. : 4019696

Reference : 3502

Sampled On : December 14, 2023 at 09:42

Sampled By : Brandon

Received On : December 14, 2023 at 13:37

Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrate Nitrogen	25.1	0.4	mg/L	10	1		12/15/2023	13:00	lfs	SM 4500-NO3 F	12/15/2023	15:21	lfs
Conductivity	1000	1	umhos/cm	1600 ²	1		12/22/2023	09:20	krh	SM 4500-H+B	12/22/2023	11:29	krh

DQF Flags Definition:

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

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

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

January 2, 2024
Sentry Ag Service

Lab No. : VI 2348542
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2348803-002)	Dup	umhos/cm		0.1%	5	
Nitrate Nitrogen	4500NO3F	12/15/2023:214153LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	97.7%	80-120	
			MS	mg/L	5.609	96.4%	66-125	
		(STK2357151-001)	MSD	mg/L	5.609	98.4%	66-125	
			MSRPD	mg/L		1.6%	≤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

No. 3502

SITE NAME: Coronado Dairy

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

2348542
LABORATORY: VT | FGL 4-19696

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: _____

120°C
RSE
TH-401

	Sample ID	Description	Analysis	Date/Time	Sampled by	SAS USE ONLY: FIELD TESTS		
						NH ₃ N	pH	Temp
1	Barn #1	domestic well	W1	12/14/23 9:42am	Brandon	C		
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	<i>[Signature]</i>	SAS		12/14/23 13:37
2 nd	AJB	FGL	12/14/23 13:37	
3 rd	AJB	FGL		12/14/23 17:30
4 th	GES	GLD	12/14/23 17:30	

LABORATORY USE ONLY

Logged In By: _____

Total Samples: _____

Laboratory No: _____

[Signature] 12/15/23 11:55

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): OTC

2. Temp IR Gun ID #: 407

3. Were samples received on ice? Yes No Temps: 10.0° / 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): ASB

Sample Receipt at SP:

1. Number of ice chests/packages received: 3 Shipping tracking #(s): 500037374, 5000391484, 5000391403

2. Temp IR Gun ID #: 200

3. Were samples received on ice? (Yes) No Temps: 2 / / 1 / 1 / 3
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 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): lu

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: _____

Problem: _____

Resolution: _____

(4019696)
Sentry Ag Service
VI 2348542

iv 12/15/2023 09:47:19

