

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:** A.T.O. Dairy

Physical address of dairy:

19249 S Fruit AVE

Number and Street

Riverdale

City

Fresno

County

93656

Zip Code

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

Date facility was originally placed in operation: 01/01/1983Regional Water Quality Control Board Basin Plan designation: San Joaquin River Basin

County Assessor Parcel Number(s) for dairy facility:

0055-0043-0019-0000**B. OPERATORS**

Ormonde, Andrew

Operator name: Ormonde, AndrewTelephone no.: (559) 284-1047

Landline

Cellular

19241 S Fruit AVE

Mailing Address Number and Street

Riverdale

City

CA

State

93242

Zip Code

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

Ormonde, Andrew

Legal owner name: Ormonde, AndrewTelephone no.: (559) 284-1047

Landline

Cellular

19241 S Fruit AVE

Mailing Address Number and Street

Riverdale

City

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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	850	100	350	300	150	0
Number under roof	0	0	0	0	0	0
Maximum number	850	100	350	300	150	0
Average number	850	100	350	300	150	0
Avg live weight (lbs)	1,200	1,300	1,000	800		

Predominant milk cow breed: Holstein

Average milk production: 68 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 30,121.71 tons per reporting period

Total nitrogen from manure: 370,064.50 lbs per reporting period

After ammonia losses (30% loss applied): 259,045.15 lbs per reporting period

Total phosphorus from manure: 61,171.54 lbs per reporting period

Total potassium from manure: 161,665.94 lbs per reporting period

Total salt from manure: 423,217.50 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 49,740,000 gallons

Total nitrogen generated: 149,183.65 lbs

Total phosphorus generated: 12,045.79 lbs

Total potassium generated: 97,169.79 lbs

Total salt generated: 468,317.98 lbs

49,740,000 gallons applied
+ 0 gallons exported
- 0 gallons imported
= 49,740,000 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
D1&D2	Ground water

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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
401	85	85	0	none	X055-X021-X045-XXXX X055-X021-X062-XXXX
402	129	129	0	none	X055-X021-X045-XXXX X055-X021-X062-XXXX
403	75	75	2	process wastewater	X055-X043-X018-XXXX
404	77	77	2	process wastewater	X055-X041-X002-XXXX
405	18	18	2	process wastewater	X055-X043-X019-XXXX
406	77	77	0	none	X055-X041-X002-XXXX
407	77	77	1	process wastewater	X055-X043-X022-XXXX
408	77	77	1	process wastewater	X055-X043-X022-XXXX
410	80	80	0	none	X053-X440-X012-XXXX
411	75	75	2	manure	X055-X440-X001-XXXX
F1	39	39	2	manure	X055-X043-X020-XXXX X055-X043-X021-XXXX
F2	90	90	2	manure	X055-X260-X004-XXXX
F3	37	37	1	manure	X055-X043-X020-XXXX X055-X043-X021-XXXX
Totals for areas that were used for application	565	565	15		
Totals for areas that were not used for application	371	371	0		
Land application area totals	936	936	15		

B. CROPS AND HARVESTS

403
Field name: 403

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403

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage

Acres planted: 75 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 (%)
05/09/2023	1,500.00 ton	Dry-weight		60.7	24,600.00	4,800.00	32,100.00		10.29

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	386.71	75.46	504.61	1,617.59

06/01/2023: Corn, silage

Crop: Corn, silage

Acres planted: 75 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	2,250.00 ton	Dry-weight		63.8	8,300.00	3,100.00	15,600.00		6.16

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	180.28	67.33	338.83	1,337.95

404

Field name: 404

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage

Acres planted: 77 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 (%)
05/09/2023	1,540.00 ton	Dry-weight		63.6	14,900.00	4,800.00	33,600.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	216.94	69.89	489.22	1,456.00

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404

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	2,310.00 ton	Dry-weight		64.6	14,900.00	3,400.00	14,800.00		6.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	316.48	72.22	314.35	1,342.37

405

Field name: 405

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 18 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 (%)
05/09/2023	360.00 ton	Dry-weight		61.6	15,500.00	3,900.00	27,100.00		10.41

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	238.08	59.90	416.26	1,598.98

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 18 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	540.00 ton	Dry-weight		65.2	7,500.00	2,700.00	16,000.00		6.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	156.60	56.38	334.08	1,294.56

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407

Field name: 407

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 77 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 (%)
05/09/2023	1,540.00 <i>ton</i>	Dry-weight		63.0	24,400.00	4,000.00	28,900.00		11.15

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	361.12	59.20	427.72	1,650.20

408

Field name: 408

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	2,310.00 <i>ton</i>	Dry-weight		67.6	8,000.00	2,200.00	18,900.00		6.28

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	155.52	42.77	367.42	1,220.83

411

Field name: 411

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411

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 75 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 (%)
05/09/2023	1,500.00 ton	Dry-weight		64.0	18,400.00	4,400.00	29,500.00		9.41

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	264.96	63.36	424.80	1,355.04

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 75 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	2,250.00 ton	Dry-weight		67.3	24,800.00	2,100.00	15,900.00		6.51

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	486.58	41.20	311.96	1,277.26

F1

Field name: F1

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 39 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 (%)
05/09/2023	780.00 ton	Dry-weight		65.6	27,100.00	4,200.00	28,500.00		10.48

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	372.90	57.79	392.16	1,442.05

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F1

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 39 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	1,170.00 ton	Dry-weight		58.9	14,800.00	2,000.00	16,500.00		9.46

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	364.97	49.32	406.89	2,332.84

F2

Field name: F2

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 90 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 (%)
05/09/2023	1,800.00 ton	Dry-weight		65.9	17,400.00	4,800.00	30,200.00		10.28

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.00	237.34	65.47	411.93	1,402.19

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 90 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	2,700.00 ton	Dry-weight		67.8	18,800.00	2,800.00	17,900.00		6.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	363.22	54.10	345.83	1,221.02

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F3

Field name: F3

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 37 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	1,110.00 <i>ton</i>	Dry-weight		65.9	19,900.00	2,800.00	15,200.00		6.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	30.00	407.15	57.29	310.99	1,227.60

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NUTRIENT BUDGET

A. LAND APPLICATIONS

403 - 11/01/2022: Wheat, silage, boot stage

Field name: 403

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/20/2022	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
WW	Process wastewater	155.93	16.96	148.35	671.63	2,750,000.00 <i>gal</i>
Application event totals		155.93	16.96	148.35	671.63	
02/16/2023	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
WW	Process wastewater	155.93	16.96	148.35	671.63	2,750,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.38	7,776,000.00 <i>gal</i>
Application event totals		155.93	16.96	148.35	682.02	
03/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	155.93	16.96	148.35	671.63	2,750,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.38	7,776,000.00 <i>gal</i>
Application event totals		155.93	16.96	148.35	682.02	

403 - 06/01/2023: Corn, silage

Field name: 403

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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403 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
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
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.39	
07/12/2023	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
WW	Process wastewater	70.82	2.66	13.53	95.33	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		70.82	2.66	13.53	109.72	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.39	
08/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.39	
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
WW	Process wastewater	70.82	2.66	13.53	95.33	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		70.82	2.66	13.53	109.72	

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403 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/23/2023	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
WW	Process wastewater	70.82	2.66	13.53	95.33	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		70.82	2.66	13.53	109.72	
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
Canal	Surface water	0.00	0.00	0.00	14.39	10,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.39	

404 - 11/01/2022: Wheat, silage, boot stage

Field name: 404

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/22/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	140.83	15.32	133.99	606.61	2,550,000.00 <i>gal</i>
Application event totals		140.83	15.32	133.99	606.61	
02/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	140.83	15.32	133.99	606.61	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.11	7,776,000.00 <i>gal</i>
Application event totals		140.83	15.32	133.99	616.72	

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404 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.11	7,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	10.11	

404 - 06/01/2023: Corn, silage

Field name: 404

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.01	
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
WW	Process wastewater	68.98	2.59	13.18	92.86	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		68.98	2.59	13.18	106.87	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	68.98	2.59	13.18	92.86	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		68.98	2.59	13.18	106.87	

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404 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	68.98	2.59	13.18	92.86	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		68.98	2.59	13.18	106.87	
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
WW	Process wastewater	68.98	2.59	13.18	92.86	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		68.98	2.59	13.18	106.87	
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
WW	Process wastewater	68.98	2.59	13.18	92.86	2,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		68.98	2.59	13.18	106.87	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.01	10,776,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.01	

405 - 11/01/2022: Wheat, silage, boot stage

Field name: 405

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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405 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/21/2022	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
WW	Process wastewater	85.05	9.25	80.92	366.35	360,000.00 gal
Application event totals		85.05	9.25	80.92	366.35	
02/18/2023	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
WW	Process wastewater	85.05	9.25	80.92	366.35	360,000.00 gal
Canal	Surface water	0.00	0.00	0.00	5.34	960,000.00 gal
Application event totals		85.05	9.25	80.92	371.69	
03/25/2023	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
WW	Process wastewater	85.05	9.25	80.92	366.35	360,000.00 gal
Canal	Surface water	0.00	0.00	0.00	5.34	960,000.00 gal
Application event totals		85.05	9.25	80.92	371.69	

405 - 06/01/2023: Corn, silage

Field name: 405

Crop: Corn, silage

Plant date: 06/01/2023

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
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.91	

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405 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.91	
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
WW	Process wastewater	76.37	2.87	14.60	102.81	660,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		76.37	2.87	14.60	116.72	
08/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.91	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	76.37	2.87	14.60	102.81	660,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		76.37	2.87	14.60	116.72	
08/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.91	

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405 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
09/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	51.94	2.86	14.47	92.41	660,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.91	2,500,000.00 <i>gal</i>
Application event totals		51.94	2.86	14.47	106.32	

407 - 11/01/2022: Wheat, silage, boot stage

Field name: 407

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/16/2023	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
WW	Process wastewater	124.82	13.58	118.75	537.62	2,260,000.00 <i>gal</i>
Application event totals		124.82	13.58	118.75	537.62	
02/17/2023	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
WW	Process wastewater	124.82	13.58	118.75	537.62	2,260,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.77	7,512,000.00 <i>gal</i>
Application event totals		124.82	13.58	118.75	547.39	
03/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	124.82	13.58	118.75	537.62	2,260,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.77	7,512,000.00 <i>gal</i>
Application event totals		124.82	13.58	118.75	547.39	

408 - 06/01/2023: Corn, silage

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

408 - 06/01/2023: Corn, silage

Field name: 408

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 gal
Application event totals		0.00	0.00	0.00	13.67	
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
WW	Process wastewater	55.45	2.08	10.60	74.65	2,050,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 gal
Application event totals		55.45	2.08	10.60	88.32	
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
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 gal
Application event totals		0.00	0.00	0.00	13.67	
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
WW	Process wastewater	55.45	2.08	10.60	74.65	2,050,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 gal
Application event totals		55.45	2.08	10.60	88.32	
08/16/2023	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
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 gal
Application event totals		0.00	0.00	0.00	13.67	

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408 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	55.45	2.08	10.60	74.65	2,050,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 <i>gal</i>
Application event totals		55.45	2.08	10.60	88.32	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.67	10,512,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.67	

411 - 11/01/2022: Wheat, silage, boot stage

Field name: 411

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/10/2022	Plow/disc	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	357.53	105.40	349.27	7,879.33	775.00 <i>ton</i>
Application event totals		357.53	105.40	349.27	7,879.33	
02/19/2023	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
Canal	Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.42	
03/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.42	

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411 - 06/01/2023: Corn, silage

Field name: 411

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
05/20/2023	Plow/disc	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure		Corral solids	288.00	132.00	584.00	14,226.72	1,500.00 <i>ton</i>
Application event totals			288.00	132.00	584.00	14,226.72	
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
Canal		Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	14.42	
07/12/2023	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
Canal		Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	14.42	
07/22/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	14.42	
08/02/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	14.42	

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411 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.42	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.42	
09/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.42	10,800,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.42	

F1 - 11/01/2022: Wheat, silage, boot stage

Field name: F1

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

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
Dry Manure		Corral solids	369.23	169.23	748.72	18,239.38	1,000.00 <i>ton</i>
Application event totals			369.23	169.23	748.72	18,239.38	
02/20/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	9.37	3,650,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	9.37	

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F1 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.37	3,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	9.37	

F1 - 06/01/2023: Corn, silage

Field name: **F1**

Crop: **Corn, silage**

Plant date: **06/01/2023**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/25/2023	Plow/disc	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	443.08	203.08	898.46	21,887.26	1,200.00 <i>ton</i>
Application event totals		443.08	203.08	898.46	21,887.26	
07/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	
07/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	
07/23/2023	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
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	

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F1 - 06/01/2023: 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
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	
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
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	
08/23/2023	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
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	
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
Canal	Surface water	0.00	0.00	0.00	14.51	5,650,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.51	

F2 - 11/01/2022: Wheat, silage, boot stage

Field name: F2

Crop: Wheat, silage, boot stage Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/10/2022	Plow/disc	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	297.94	87.83	291.06	6,566.11	775.00 <i>ton</i>
Application event totals		297.94	87.83	291.06	6,566.11	

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

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

F2 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
02/24/2023	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
Canal		Surface water	0.00	0.00	0.00	11.70	10,516,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	11.70	
03/28/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	11.70	10,516,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	11.70	

F2 - 06/01/2023: Corn, silage

Field name: F2

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/25/2023	Plow/disc	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	240.00	110.00	486.67	11,855.60	1,500.00 <i>ton</i>
Application event totals		240.00	110.00	486.67	11,855.60	
07/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	
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
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	

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

F2 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	
08/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	
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
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	
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
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.93	12,516,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.93	

F3 - 06/01/2023: Corn, silage

Field name: F3

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Annual Report - General Order No. R5-2007-0035

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

F3 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Dry Manure	Corral solids	467.03	214.05	947.03	23,070.36	1,200.00 <i>ton</i>	
Application event totals		467.03	214.05	947.03	23,070.36		
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	
Canal	Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	15.29		
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	
Canal	Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	15.29		
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	
Canal	Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	15.29		
08/05/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Canal	Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	15.29		
08/15/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Canal	Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	15.29		

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

F3 - 06/01/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
08/25/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal			Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	15.29	
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
Canal			Surface water	0.00	0.00	0.00	15.29	5,650,000.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	15.29	

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

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

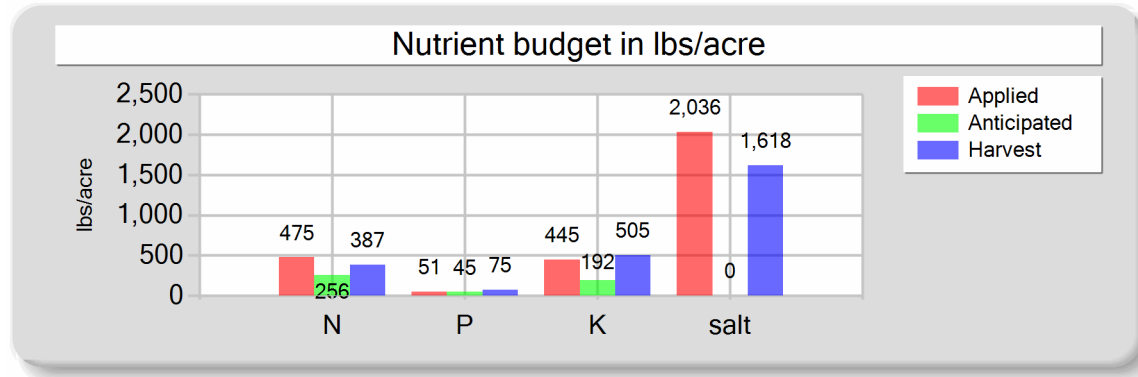
B. NUTRIENT BUDGET

403 - 11/01/2022: Wheat, silage, boot stage

Field name: 403

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	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	15,552,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	572.73 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	7.64 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	467.79	50.89	445.06	2,014.90	Process wastewater applied
Fresh water	0.00	0.00	0.00	20.77	8,250,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	303.82 acre-inches
Total nutrients applied	474.79	50.89	445.06	2,035.67	4.05 inches/acre
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	386.71	75.46	504.61	1,617.59	Total harvests for the crop
Nutrient balance	88.08	-24.56	-59.55	418.08	1 harvests
Applied to removed ratio	1.23	0.67	0.88	1.26	

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

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

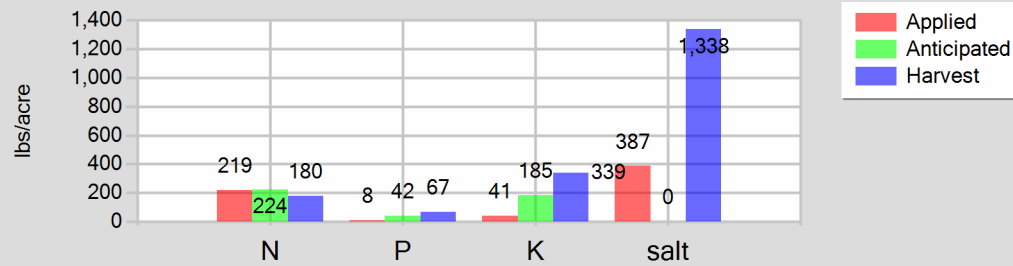
403 - 06/01/2023: Corn, silage

Field name: 403

Crop: Corn, silage

Plant date: 06/01/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	212.46	7.98	40.60	286.00
Fresh water	0.00	0.00	0.00	100.72
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	219.46	7.98	40.60	386.72
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	180.28	67.33	338.83	1,337.95
Nutrient balance	39.18	-59.35	-298.23	-951.24
Applied to removed ratio	1.22	0.12	0.12	0.29

Fresh water applied
75,432,000.00 gallons
2,777.90 acre-inches
37.04 inches/acre

Process wastewater applied
7,650,000.00 gallons
281.72 acre-inches
3.76 inches/acre

Total harvests for the crop
1 harvests

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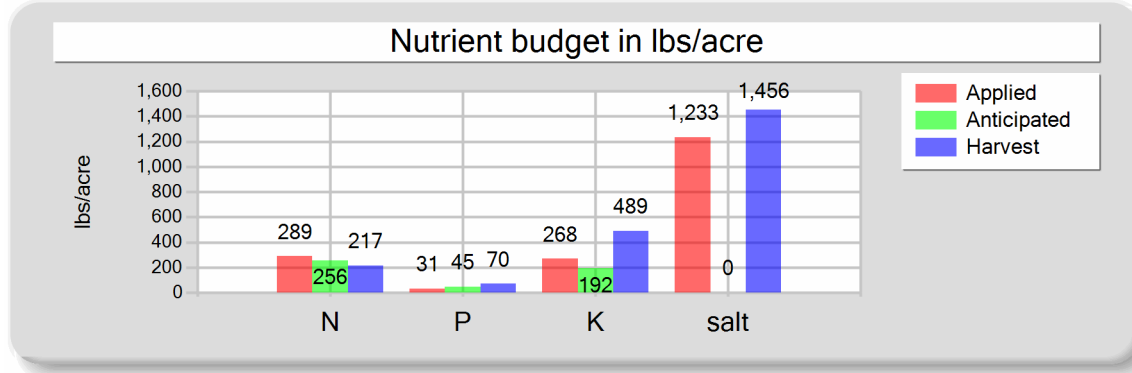
Reporting period 01/01/2023 to 12/31/2023.

404 - 11/01/2022: Wheat, silage, boot stage

Field name: 404

Crop: Wheat, silage, boot stage

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	281.67	30.64	267.98	1,213.22
Fresh water	0.00	0.00	0.00	20.23
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	288.67	30.64	267.98	1,233.45
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	216.94	69.89	489.22	1,456.00
Nutrient balance	71.72	-39.25	-221.23	-222.55
Applied to removed ratio	1.33	0.44	0.55	0.85

Fresh water applied
15,552,000.00 gallons
572.73 acre-inches
7.44 inches/acre

Process wastewater applied
5,100,000.00 gallons
187.82 acre-inches
2.44 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.

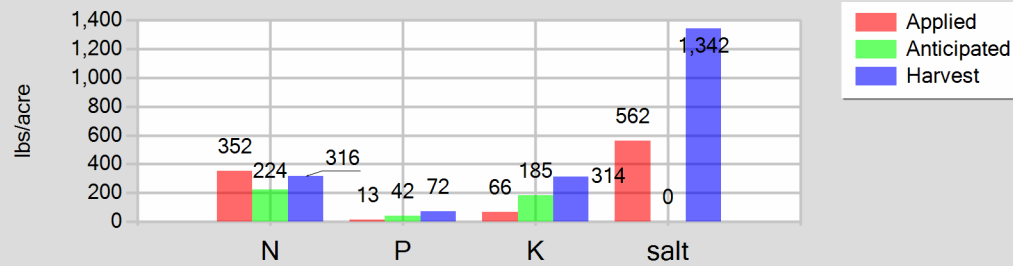
404 - 06/01/2023: Corn, silage

Field name: 404

Crop: Corn, silage

Plant date: 06/01/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	344.90	12.96	65.91	464.29
Fresh water	0.00	0.00	0.00	98.10
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	351.90	12.96	65.91	562.39
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	316.48	72.22	314.35	1,342.37
Nutrient balance	35.42	-59.25	-248.44	-779.98
Applied to removed ratio	1.11	0.18	0.21	0.42

Fresh water applied
75,432,000.00 gallons
2,777.90 acre-inches
36.08 inches/acre

Process wastewater applied
12,750,000.00 gallons
469.54 acre-inches
6.10 inches/acre

Total harvests for the crop
1 harvests

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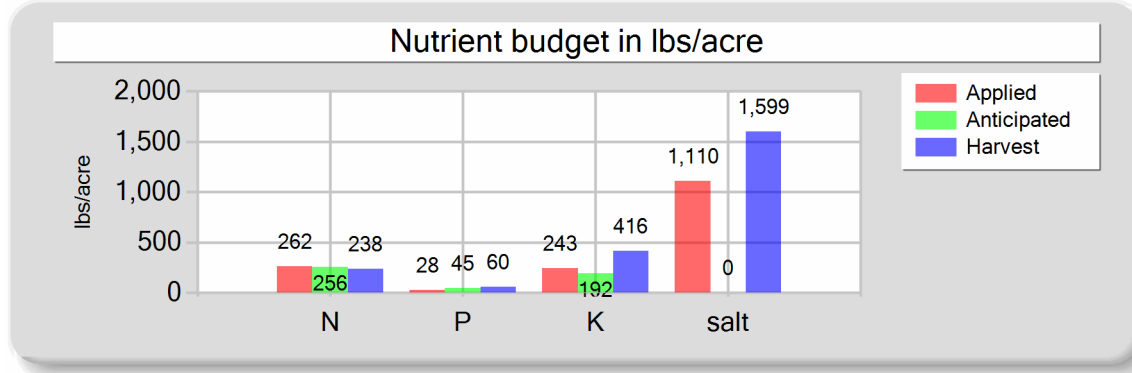
Reporting period 01/01/2023 to 12/31/2023.

405 - 11/01/2022: Wheat, silage, boot stage

Field name: 405

Crop: Wheat, silage, boot stage

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	255.16	27.76	242.76	1,099.04
Fresh water	0.00	0.00	0.00	10.68
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	262.16	27.76	242.76	1,109.72
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	238.08	59.90	416.26	1,598.98
Nutrient balance	24.08	-32.15	-173.50	-489.26
Applied to removed ratio	1.10	0.46	0.58	0.69

Fresh water applied
1,920,000.00 gallons
70.71 acre-inches
3.93 inches/acre

Process wastewater applied
1,080,000.00 gallons
39.77 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.

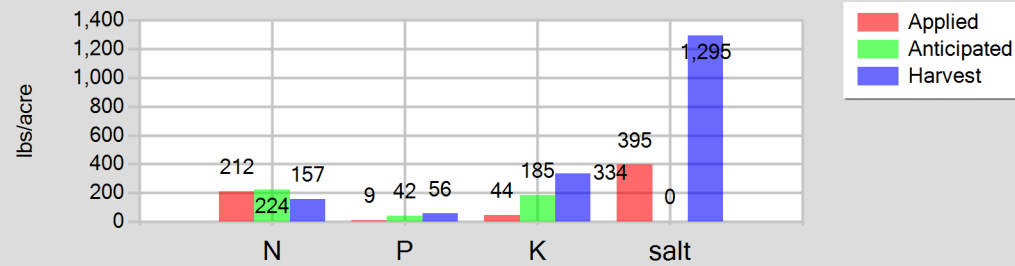
405 - 06/01/2023: Corn, silage

Field name: 405

Crop: Corn, silage

Plant date: 06/01/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	204.69	8.60	43.66	298.03
Fresh water	0.00	0.00	0.00	97.36
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	211.69	8.60	43.66	395.39
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	156.60	56.38	334.08	1,294.56
Nutrient balance	55.09	-47.77	-290.42	-899.17
Applied to removed ratio	1.35	0.15	0.13	0.31

Fresh water applied
17,500,000.00 gallons
644.47 acre-inches
35.80 inches/acre

Process wastewater applied
1,980,000.00 gallons
72.92 acre-inches
4.05 inches/acre

Total harvests for the crop
1 harvests

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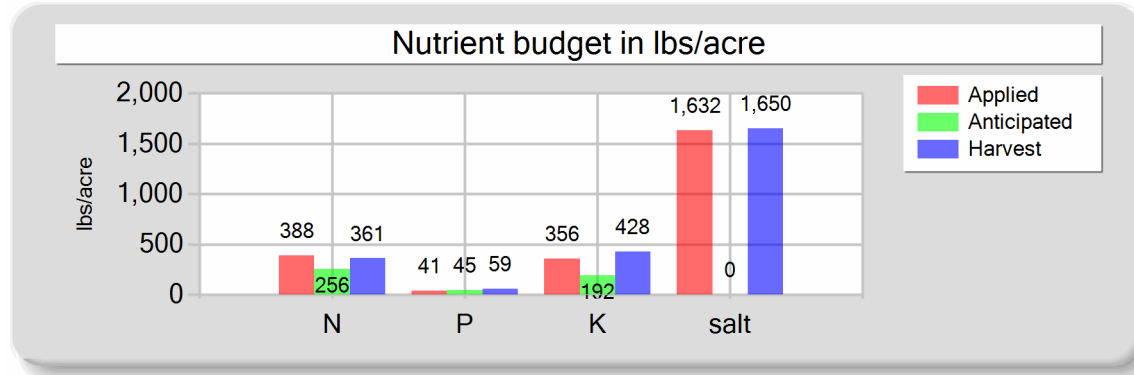
Reporting period 01/01/2023 to 12/31/2023.

407 - 11/01/2022: Wheat, silage, boot stage

Field name: 407

Crop: Wheat, silage, boot stage

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	374.45	40.74	356.26	1,612.87
Fresh water	0.00	0.00	0.00	19.54
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	388.45	40.74	356.26	1,632.41
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	361.12	59.20	427.72	1,650.20
Nutrient balance	27.33	-18.46	-71.46	-17.79
Applied to removed ratio	1.08	0.69	0.83	0.99

Fresh water applied
15,024,000.00 <i>gallons</i>
553.28 <i>acre-inches</i>
7.19 <i>inches/acre</i>

Process wastewater applied
6,780,000.00 <i>gallons</i>
249.68 <i>acre-inches</i>
3.24 <i>inches/acre</i>

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

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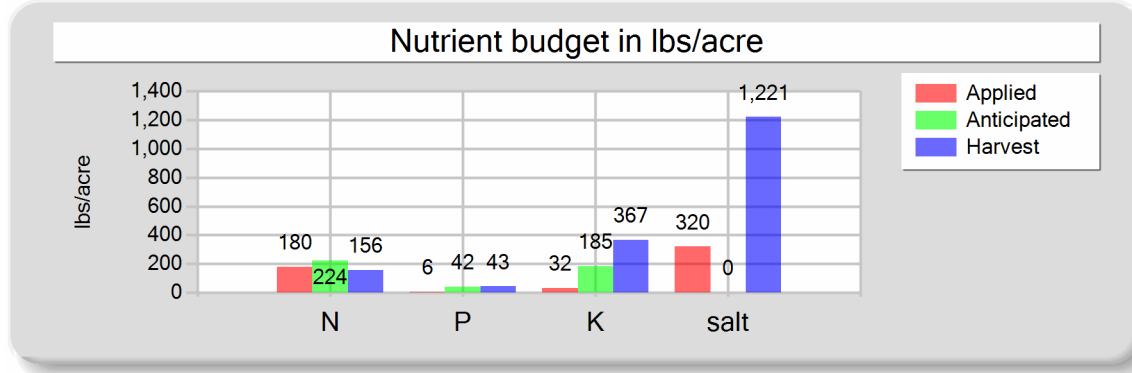
Reporting period 01/01/2023 to 12/31/2023.

408 - 06/01/2023: Corn, silage

Field name: 408

Crop: Corn, silage

Plant date: 06/01/2023



	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	73,584,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	2,709.85 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	35.19 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	166.36	6.25	31.79	223.95	Process wastewater applied
Fresh water	0.00	0.00	0.00	95.70	6,150,000.00 <i>gallons</i>
Atmospheric deposition	14.00	0.00	0.00	0.00	226.48 <i>acre-inches</i>
Total nutrients applied	180.36	6.25	31.79	319.65	2.94 <i>inches/acre</i>
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	155.52	42.77	367.42	1,220.83	Total harvests for the crop
Nutrient balance	24.84	-36.52	-335.62	-901.19	1 <i>harvests</i>
Applied to removed ratio	1.16	0.15	0.09	0.26	

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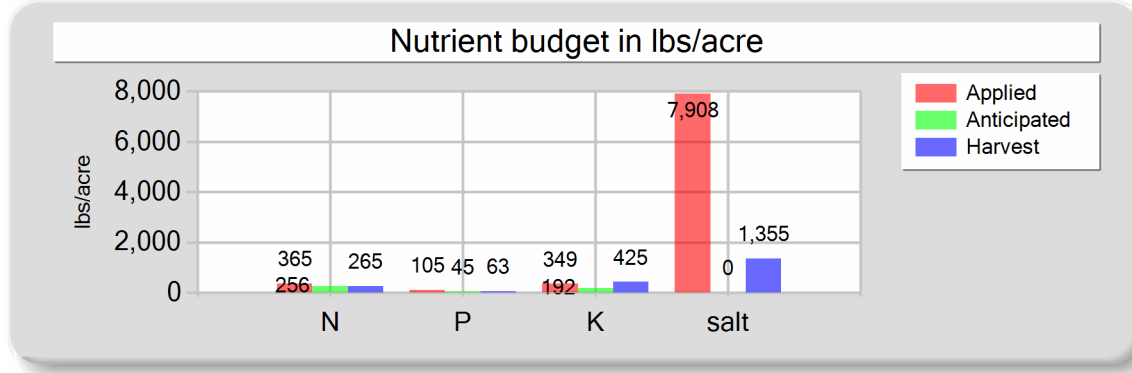
Reporting period 01/01/2023 to 12/31/2023.

411 - 11/01/2022: Wheat, silage, boot stage

Field name: 411

Crop: Wheat, silage, boot stage

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	357.53	105.40	349.27	7,879.33
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	28.84
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	364.53	105.40	349.27	7,908.17
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	264.96	63.36	424.80	1,355.04
Nutrient balance	99.57	42.04	-75.53	6,553.13
Applied to removed ratio	1.38	1.66	0.82	5.84

Fresh water applied
21,600,000.00 <i>gallons</i>
795.45 <i>acre-inches</i>
10.61 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

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

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

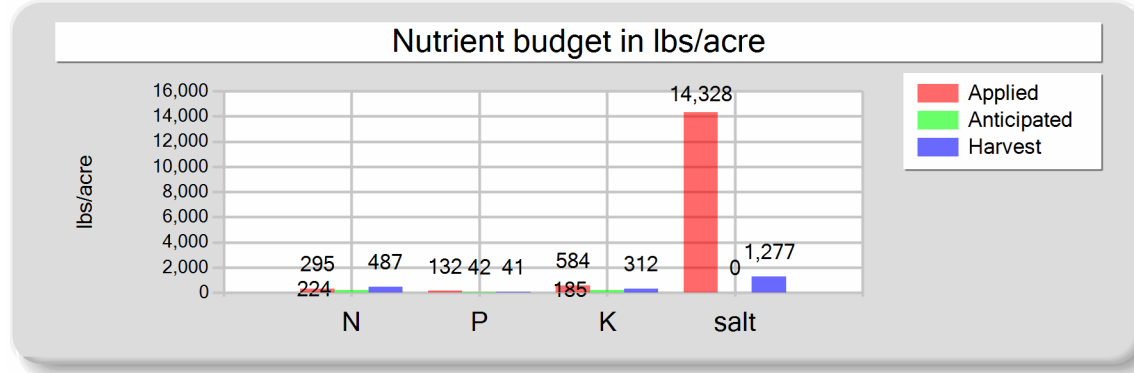
Reporting period 01/01/2023 to 12/31/2023.

411 - 06/01/2023: Corn, silage

Field name: 411

Crop: Corn, silage

Plant date: 06/01/2023



	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	75,600,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	2,784.09 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.12 <i>inches/acre</i>
Dry manure	288.00	132.00	584.00	14,226.72	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	100.94	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	295.00	132.00	584.00	14,327.66	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	486.58	41.20	311.96	1,277.26	
Nutrient balance	-191.58	90.80	272.04	13,050.40	
Applied to removed ratio	0.61	3.20	1.87	11.22	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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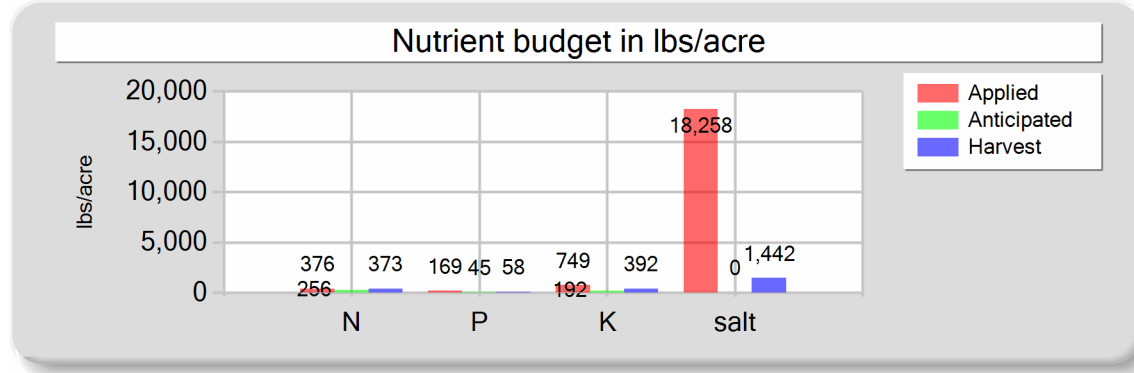
Reporting period 01/01/2023 to 12/31/2023.

F1 - 11/01/2022: Wheat, silage, boot stage

Field name: F1

Crop: Wheat, silage, boot stage

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	369.23	169.23	748.72	18,239.38
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	18.74
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	376.23	169.23	748.72	18,258.13
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	372.90	57.79	392.16	1,442.05
Nutrient balance	3.33	111.44	356.56	16,816.08
Applied to removed ratio	1.01	2.93	1.91	12.66

Fresh water applied
7,300,000.00 <i>gallons</i>
268.83 <i>acre-inches</i>
6.89 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

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

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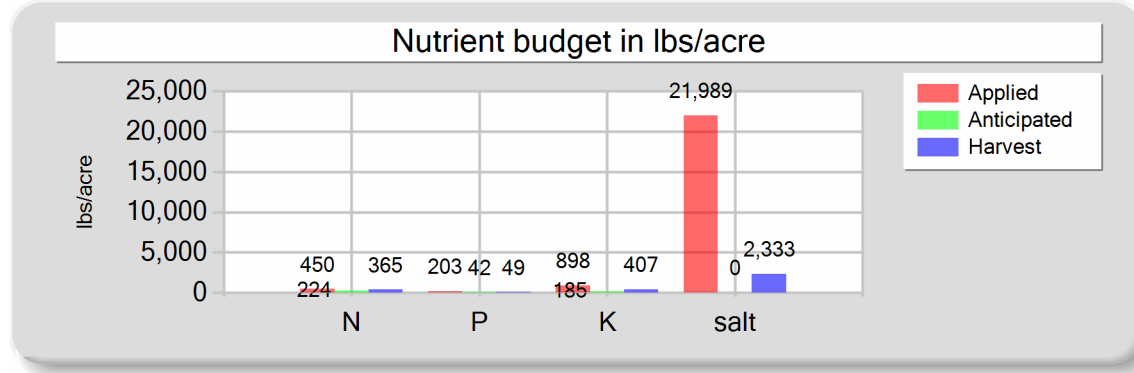
Reporting period 01/01/2023 to 12/31/2023.

F1 - 06/01/2023: Corn, silage

Field name: F1

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	443.08	203.08	898.46	21,887.26
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	101.55
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	450.08	203.08	898.46	21,988.81
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	364.97	49.32	406.89	2,332.84
Nutrient balance	85.11	153.76	491.57	19,655.98
Applied to removed ratio	1.23	4.12	2.21	9.43

Fresh water applied
39,550,000.00 <i>gallons</i>
1,456.49 <i>acre-inches</i>
37.35 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

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

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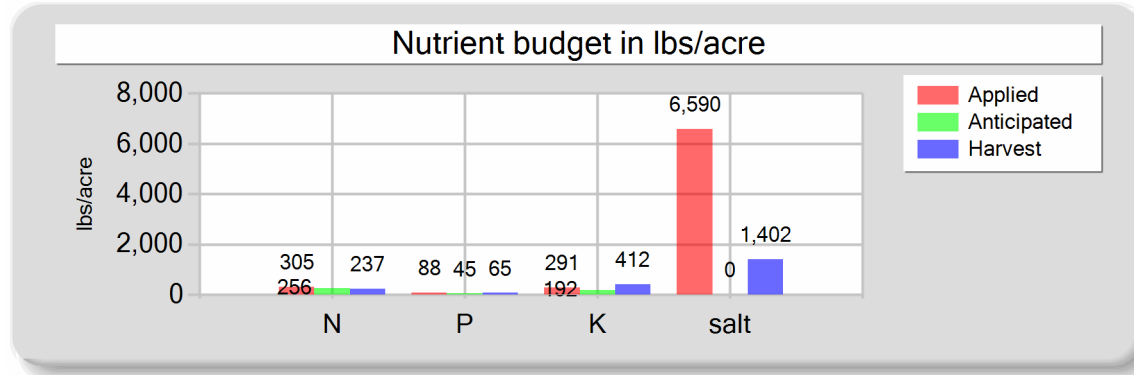
Reporting period 01/01/2023 to 12/31/2023.

F2 - 11/01/2022: Wheat, silage, boot stage

Field name: F2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	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	21,032,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	774.54 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	8.61 <i>inches/acre</i>
Dry manure	297.94	87.83	291.06	6,566.11	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	23.40	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	304.94	87.83	291.06	6,589.51	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	237.34	65.47	411.93	1,402.19	
Nutrient balance	67.61	22.36	-120.87	5,187.32	
Applied to removed ratio	1.28	1.34	0.71	4.70	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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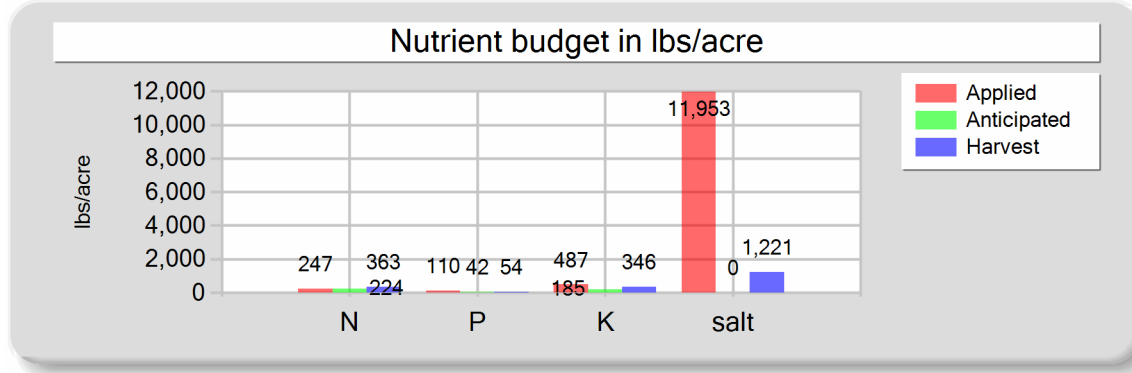
Reporting period 01/01/2023 to 12/31/2023.

F2 - 06/01/2023: Corn, silage

Field name: F2

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	240.00	110.00	486.67	11,855.60
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	97.48
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	247.00	110.00	486.67	11,953.08
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	363.22	54.10	345.83	1,221.02
Nutrient balance	-116.22	55.90	140.84	10,732.06
Applied to removed ratio	0.68	2.03	1.41	9.79

Fresh water applied
87,612,000.00 <i>gallons</i>
3,226.45 <i>acre-inches</i>
35.85 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

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

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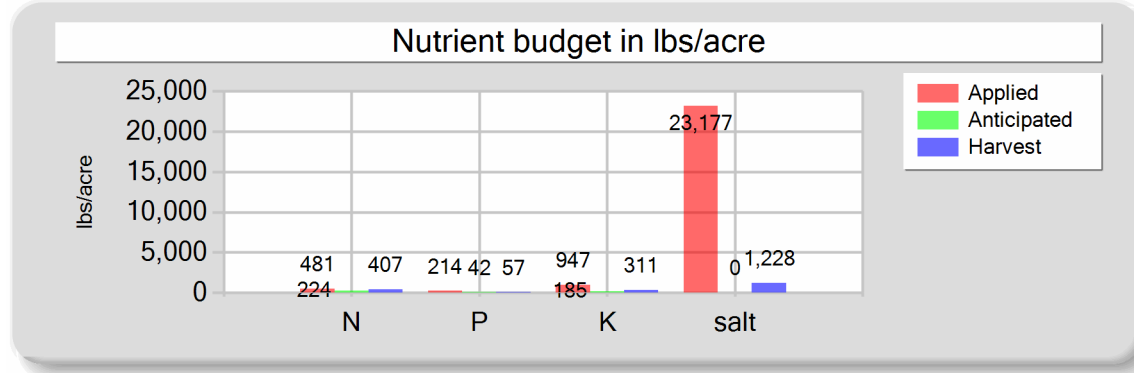
Reporting period 01/01/2023 to 12/31/2023.

F3 - 06/01/2023: Corn, silage

Field name: F3

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	467.03	214.05	947.03	23,070.36
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	107.04
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	481.03	214.05	947.03	23,177.40
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	407.15	57.29	310.99	1,227.60
Nutrient balance	73.87	156.77	636.04	21,949.80
Applied to removed ratio	1.18	3.74	3.05	18.88

Fresh water applied
39,550,000.00 <i>gallons</i>
1,456.49 <i>acre-inches</i>
39.36 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <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

Dry Manure

Sample and source description: Dry Manure

Sample date: 06/09/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 35.8 %

	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	7,200.00	3,300.00	14,600.00	9,600.00	5,600.00	5,300.00	2,600.00	595.28		55.40
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

Dry Manure

Sample and source description: Dry Manure

Sample date: 10/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 28.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,300.00	5,100.00	16,900.00							53.10
DL	100.00	100.00	100.00							1.00

B. PROCESS WASTEWATER ANALYSES

1st Qtr WW

Sample and source description: 1st Qtr WW

Sample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.60

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	509.60	88.72	0.00	0.00	55.44	484.84								3,430.00	2,195
DL	67.00	0.57	0.01	0.01	0.64	0.57								1.00	19

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2nd Qtr WW

Sample and source description: 2nd Qtr WW

Sample date: 06/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.51

	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	249.60	25.92	0.00	0.00	9.38	47.70	1.20	0.60	1.40	4.28	0.00	0.70	0.50	526.00	336
DL	67.00	0.57	0.01	0.01	0.64	0.01	0.02	0.01	0.01	0.10	0.10	0.02	0.01	1.00	19

3rd Qtr WW

Sample and source description: 3rd Qtr WW

Sample date: 08/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.03

	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	169.76	25.43	0.00	0.00	9.35	47.30								473.00	302
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

4th Qtr WW

Sample and source description: 4th Qtr WW

Sample date: 12/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.39

	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	269.70	116.00	0.00	0.00	46.20	223.70								2,572.00	1,646
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Canal

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

Canal

Canal

Sample description: Canal

Sample date: 08/17/2023 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										20.00	
DL	0.10										1.00	

D1&D2

D1&D2

Sample description: D1&D2

Sample date: 12/11/2023 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	0.38										380.00	
DL	0.10										1.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

403 - 11/01/2022: Wheat, silage, boot stage

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

403 - 11/01/2022: Wheat, silage, boot stage

403

Sample and source description: 403

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,600.00	4,800.00	32,100.00		10.29
DL	100.00	100.00	100.00		1.00

403 - 06/01/2023: Corn, silage

403

Sample and source description: 403

Sample date: 09/26/2023 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	8,300.00	3,100.00	15,600.00		6.16
DL	100.00	100.00	100.00		1.00

404 - 11/01/2022: Wheat, silage, boot stage

404

Sample and source description: 404

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,900.00	4,800.00	33,600.00		10.00
DL	100.00	100.00	100.00		1.00

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

404 - 06/01/2023: Corn, silage

404

Sample and source description: 404

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,900.00	3,400.00	14,800.00		6.32
DL	100.00	100.00	100.00		1.00

405 - 11/01/2022: Wheat, silage, boot stage

405

Sample and source description: 405

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,500.00	3,900.00	27,100.00		10.41
DL	100.00	100.00	100.00		1.00

405 - 06/01/2023: Corn, silage

405

Sample and source description: 405

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,500.00	2,700.00	16,000.00		6.20
DL	100.00	100.00	100.00		1.00

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

407 - 11/01/2022: Wheat, silage, boot stage

407

Sample and source description: 407

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,400.00	4,000.00	28,900.00		11.15
DL	100.00	100.00	100.00		1.00

408 - 06/01/2023: Corn, silage

408

Sample and source description: 408

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	2,200.00	18,900.00		6.28
DL	100.00	100.00	100.00		1.00

411 - 11/01/2022: Wheat, silage, boot stage

411

Sample and source description: 411

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,400.00	4,400.00	29,500.00		9.41
DL	100.00	100.00	100.00		1.00

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

411 - 06/01/2023: Corn, silage

411

Sample and source description: 411

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,800.00	2,100.00	15,900.00		6.51
DL	100.00	100.00	100.00		1.00

F1 - 11/01/2022: Wheat, silage, boot stage

F1

Sample and source description: F1

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	27,100.00	4,200.00	28,500.00		10.48
DL	100.00	100.00	100.00		1.00

F1 - 06/01/2023: Corn, silage

F1

Sample and source description: F1

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,800.00	2,000.00	16,500.00		9.46
DL	100.00	100.00	100.00		1.00

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

F2 - 11/01/2022: Wheat, silage, boot stage

F2

Sample and source description: F2

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,400.00	4,800.00	30,200.00		10.28
DL	100.00	100.00	100.00		1.00

F2 - 06/01/2023: Corn, silage

f2

Sample and source description: f2

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,800.00	2,800.00	17,900.00		6.32
DL	100.00	100.00	100.00		1.00

F3 - 06/01/2023: Corn, silage

F3

Sample and source description: F3

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,900.00	2,800.00	15,200.00		6.00
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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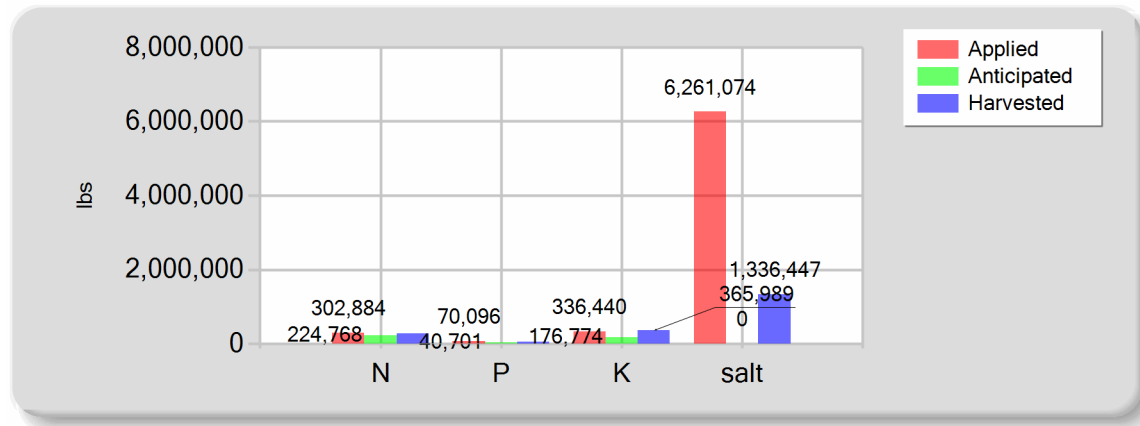
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

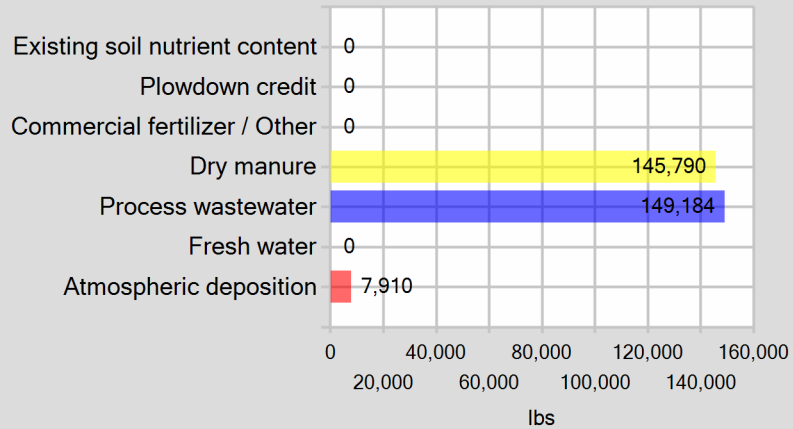
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	145,790.00	58,050.00	239,270.00	5,734,450.20
Process wastewater	149,183.65	12,045.79	97,169.79	468,317.98
Fresh water	0.00	0.00	0.00	58,305.51
Atmospheric deposition	7,910.00	0.00	0.00	0.00
Total nutrients applied	302,883.65	70,095.79	336,439.79	6,261,073.69
Anticipated crop nutrient removal	224,768.00	40,700.80	176,774.40	0.00
Actual crop nutrient removal	284,739.23	56,495.98	365,989.10	1,336,446.71
Nutrient balance	18,144.41	13,599.81	-29,549.31	4,924,626.98
Applied to removed ratio	1.06	1.24	0.92	4.68

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

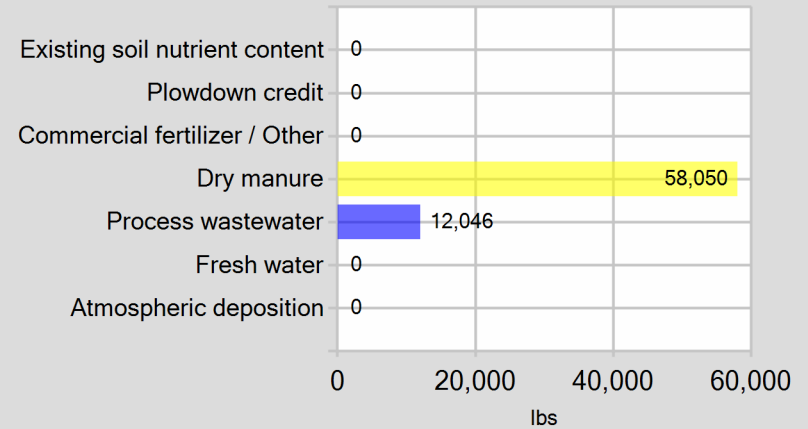


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

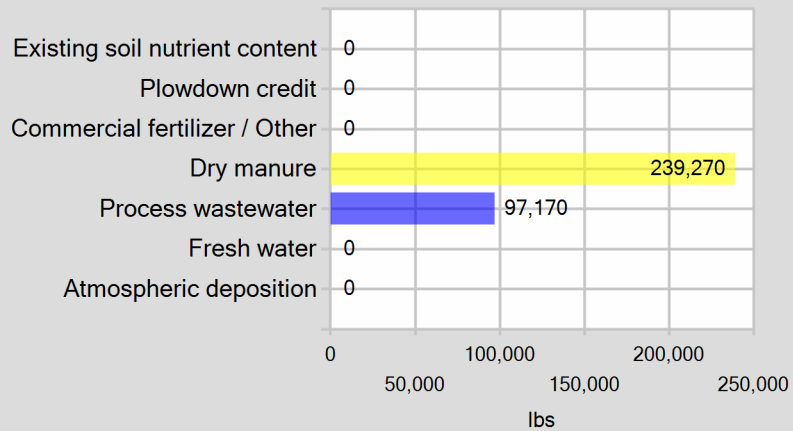
Pounds of nitrogen applied



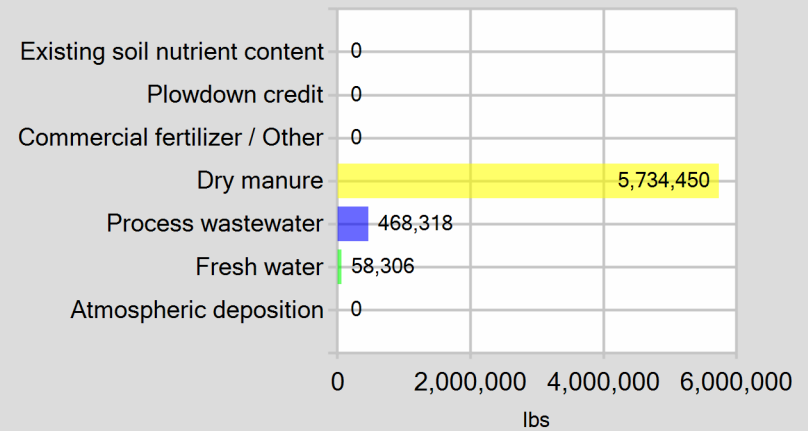
Pounds of phosphorus applied



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? No

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

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

B. EXPORT AGREEMENT STATEMENT

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

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

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

ADDITIONAL NOTES

A. NOTES

We had an extremely wet year and had early flood release water and then Canal water thru the whole year , so no wells were turned on.

All wells were negative for Ammonia which we tested onsite using a test strip .

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

Andrew Ormonde

PRINT OR TYPE NAME

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.

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.

Andrew J. Ormonde

SIGNATURE OF OWNER OF FACILITY

SIGNATURE OF OPERATOR OF FACILITY

Andrew Ormonde

PRINT OR TYPE NAME

SAME AS OWNER

PRINT OR TYPE NAME

6/18/24

DATE

DATE

ATO Dairy
19249 S Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:15

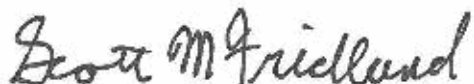
Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0602-01	D1 & D2	Ag Water	Christina		12/11/2023 14:20

Default Cooler Temperature on Receipt °C: 19.3
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02



ATO Dairy
19249 S Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:15

Sample Results

Sample: D1 & D2
23L0602-01 (Water)

Sampled: 12/11/2023 14:20
Sampled By: Christina

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.38	mmhos/cm	0.01	1		12/12/23 16:40	SM 2510 B		BEL0389
Electrical Conductivity umhos	380	umhos/cm	10.0	1		12/12/23 16:40	SM 2510 B		BEL0389
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/13/23 03:28	EPA 300.0		BEL0350

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

ATO Dairy
19249 S Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:15

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0350									
Blank (BEL0350-BLK1)				Prepared & Analyzed: 12/12/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK2)				Prepared & Analyzed: 12/12/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK3)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK4)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK5)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEL0350-BS1)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.6	0.1	mg/L	5.000		92.8	90-110		
LCS (BEL0350-BS2)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	5.4	0.1	mg/L	5.000		107	90-110		
LCS (BEL0350-BS3)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.7	0.1	mg/L	5.000		94.3	90-110		
LCS (BEL0350-BS4)				Prepared: 12/12/2023 Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.6	0.1	mg/L	5.000		92.7	90-110		
Duplicate (BEL0350-DUP1)				Source: 23L0592-01		Prepared: 12/12/2023 Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	0.08	0.1	mg/L		0.08			0.00	10
Duplicate (BEL0350-DUP2)				Source: 23L0594-01		Prepared: 12/12/2023 Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	0.09	0.1	mg/L		0.09			5.65	10
Duplicate (BEL0350-DUP3)				Source: 23L0724-01		Prepared: 12/12/2023 Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	0.6	0.1	mg/L		0.6			1.23	10
Duplicate (BEL0350-DUP4)				Source: 23L0731-01		Prepared: 12/12/2023 Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L		0.2			0.466	10
Matrix Spike (BEL0350-MS1)				Source: 23L0592-01		Prepared & Analyzed: 12/12/2023			
Nitrate Nitrogen as NO3N	4.6	0.1	mg/L	5.000	0.08	90.7	90-110		
Matrix Spike (BEL0350-MS2)				Source: 23L0594-01		Prepared: 12/12/2023 Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	4.7	0.1	mg/L	5.000	0.09	91.7	90-110		

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ATO Dairy
19249 S Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:15

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0350 (Continued)									
Matrix Spike (BEL0350-MS4)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	0.2	93.7	90-110		
Reference (BEL0350-SRM1)									
Nitrate Nitrogen as NO3N	9.2		mg/L	10.00		92.0	90-110		
Reference (BEL0350-SRM2)									
Nitrate Nitrogen as NO3N	9.3		mg/L	10.00		92.6	90-110		
Reference (BEL0350-SRM3)									
Nitrate Nitrogen as NO3N	9.3		mg/L	10.00		92.7	90-110		
Reference (BEL0350-SRM4)									
Nitrate Nitrogen as NO3N	9.4		mg/L	10.00		93.6	90-110		
Reference (BEL0350-SRM5)									
Nitrate Nitrogen as NO3N	9.2		mg/L	10.00		92.2	90-110		

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ATO Dairy
19249 S Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/12/2023 7:40
Reported: 12/18/2023 12:15

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0389									
Blank (BEL0389-BLK1)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEL0389-BLK2)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEL0389-BLK3)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEL0389-DUP1)				Source: 23L0597-03		Prepared & Analyzed: 12/12/2023			
Electrical Conductivity	6.61	0.01	mmhos/cm		6.45			2.40	10
Electrical Conductivity umhos	6610	10.0	umhos/cm		6450			2.40	10
Duplicate (BEL0389-DUP2)				Source: 23L0607-03		Prepared & Analyzed: 12/12/2023			
Electrical Conductivity	5.81	0.01	mmhos/cm		5.88			1.25	10
Electrical Conductivity umhos	5810	10.0	umhos/cm		5880			1.25	10
Reference (BEL0389-SRM1)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	445		umhos/cm	426.0		104	90-110		
Reference (BEL0389-SRM3)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	1070		umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070		umhos/cm	1000		107	90-110		
Reference (BEL0389-SRM4)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	1050		umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050		umhos/cm	1000		105	90-110		
Reference (BEL0389-SRM5)				Prepared & Analyzed: 12/12/2023					
Electrical Conductivity	1060		umhos/cm	1000		106	90-110		
Electrical Conductivity umhos	1060		umhos/cm	1000		106	90-110		

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12/12/23 07:40

23L0602

WATER WORK REQUEST

Bill To: Acct No. 16668 Cons. 8

Purchase Order No. Results Needed By

Client **ATO Dairy**
Address 19249 S. Fruit Ave
City, State, Zip Riverdale Ca 93656
Email: atodairy@yahoo.com

Copy to: mel_tinamedeiros@yahoo.com

Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility:

Date sampled 12/11/23

Sampled by Christina

☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB**DESCRIPTION OF SAMPLES**

1. **D11123** Sampled From:

2. Temperature Upon Receipt
Hanford (°C): 19.3
Laboratory (°C): 2.3

3. Sampled From:

4. Sampled From:

5. Sampled From:

6. Sampled From:

7. Sampled From:

8. Sampled From:

IR Thermometer SN: 221511276
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Hanford

IR Thermometer SN: 192603727
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-4129 • 800 228-9896 • Fax 559 268-8174

No. of Samples 1 No. Bottles 1
Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☒ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other**Analysis and Bottles Required:** (Please Indicate Analysis)

- ☒ EC, NO₃-N
(1) 1 L plastic, unpreserved (white)
- ☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
(1) 1 L plastic, unpreserved (white)
- ☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)
- ☐ DCW1: (EC, NO₃-N, TDS)
(1) 1 L plastic, unpreserved (white)
- ☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
(1) 1 L plastic, unpreserved (white)

☐ Other

Date Sampled	Time Sampled	Field NH ₄ -N (mg/L)	Received Temp °C
12/11/23	2200		19.3/-2.3

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First				12/11/23 2:30
Second		DLI	12/11/23 3:30 pm	
Third				
Fourth		DLI	12/12 07:40	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:		Shipping	
Medeiros Pricing 2023		\$ _____ In	
Sampling Hrs _____	Miles _____ Consulting _____	\$ _____ Out	
Amt Paid _____	Rec By _____	Check No. _____	Date _____

Signature _____

Sample received in cooler with ice?

[] Yes [] No

cct:update 2020



12/12/23 07:40

23L0602

Shipping Information: Shipped In <input checked="" type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>											
<input type="checkbox"/> Samples re Fridgerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory											
Type of Container(s) Received		Sample Number									
		1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)											
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	* pH Value										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1									
Special	1 L unpreserved (BOD) (Purple) Plastic										
	500mL unpreserved (White) Glass										
	PO4-P Kit										
Other:											
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)											
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	500 mL HNO ₃ (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO ₃ (Red)										
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)										
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	40mL VOA, H ₃ PO ₄ (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H ₂ SO ₄ (Yellow)										
	250 mL AG Na ₂ S ₂ O ₃ (Green)										
	250 mL AG Na ₂ S ₂ O ₃ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H ₂ SO ₄ (Yellow)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
	1 L AG HCl (Blue)										
Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
Other:											

ATO Dairy
19241 Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:33
Reported: 08/23/2023 15:31

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1597-01	Canal	Ag Water			08/16/2023 15:30

Default Cooler Temperature on Receipt °C: 0.4
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

ATO Dairy
19241 Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:33
Reported: 08/23/2023 15:31

Sample Results

Sample: Canal
23H1597-01 (Water)

Sampled: 8/16/2023 15:30

Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/18/23 17:32	SM 2510 B		BEH0918
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 03:12	EPA 300.0		BEH0886

ATO Dairy
19241 Fruit Avenue
Riverdale, CA 93656

Account# 00-0016668
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:33
Reported: 08/23/2023 15:31

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0886									
Blank (BEH0886-BLK1)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEH0886-BLK2)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEH0886-BLK3)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEH0886-BS1)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		97.8	90-110		
LCS (BEH0886-BS2)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		98.4	90-110		
Duplicate (BEH0886-DUP1)		Source: 23H0170-01		Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L		0.2			0.475	10
Duplicate (BEH0886-DUP2)		Source: 23H1556-01		Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.8	0.1	mg/L		5.8			0.172	10
Matrix Spike (BEH0886-MS1)		Source: 23H0170-01		Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	0.2	99.6	90-110		
Matrix Spike (BEH0886-MS2)		Source: 23H1556-01		Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.8	0.1	mg/L	5.000	5.8	98.9	90-110		
Reference (BEH0886-SRM1)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	9.9		mg/L	10.00		98.8	90-110		
Reference (BEH0886-SRM2)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		
Reference (BEH0886-SRM3)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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Received: 08/17/2023 8:33
Reported: 08/23/2023 15:31

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0918									
Blank (BEH0918-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023			
Blank (BEH0918-BLK2)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023			
Blank (BEH0918-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023			
Duplicate (BEH0918-DUP1)									
Electrical Conductivity	0.02	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023		9.30	10
Duplicate (BEH0918-DUP2)									
Electrical Conductivity	0.02	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023		0.00	10
Reference (BEH0918-SRM1)									
Electrical Conductivity	511		umhos/cm	538.0	Prepared: 8/17/2023	Analyzed: 8/18/2023	94.9	90-110	
Reference (BEH0918-SRM3)									
Electrical Conductivity	956		umhos/cm	1000	Prepared: 8/17/2023	Analyzed: 8/18/2023	95.6	90-110	
Reference (BEH0918-SRM4)									
Electrical Conductivity	956		umhos/cm	1000	Prepared: 8/17/2023	Analyzed: 8/18/2023	95.6	90-110	
Reference (BEH0918-SRM5)									
Electrical Conductivity	971		umhos/cm	1000	Prepared: 8/17/2023	Analyzed: 8/18/2023	97.1	90-110	

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08/17/23 08:33

2:11597

EPS

WATER WORK REQUEST
 Bill To: Acct No. 16668 Cons. 8

Purchase Order No. _____ Results Needed By _____

 Client **ATO Dairy**
 Address 19249 S. Fruit Ave
 City, State, Zip Riverdale Ca 93656
 Email: atodairy@yahoo.com

 Copy to: mel_tinamedeiros@yahoo.com

 Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility: _____

Date sampled _____

Sampled by _____

☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB
DESCRIPTION OF SAMPLES

1. <u>Canal</u>	Sampled From: _____
2. _____	Sampled From: _____
3. _____	Sampled From: _____
4. _____	Sampled From: _____
5. _____	Sampled From: _____
6. _____	Sampled From: _____
7. _____	Sampled From: _____
8. _____	Sampled From: _____
9. _____	Sampled From: _____
10. _____	Sampled From: _____

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>[Signature]</u>	<u>Medeiros</u>		<u>8/16/23 4:35</u>
Second	<u>[Signature]</u>	<u>DLI</u>	<u>8/16/23 4:35pm</u>	<u>8/16/23</u>
Third	<u>[Signature]</u>	<u>DLI</u>	<u>8/17/23 8:33</u>	
Fourth				

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days, overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

Invoicing Information:		Shipping	
Medeiros Pricing 2023		\$ _____	In
Sampling Hrs _____	Miles _____	\$ _____	Out
Consulting _____			
Amt Paid _____	Rec By _____	Check No. _____	Date _____

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

No. of Samples _____

No. Bottles _____

Water Type:☒ Ag Water☐ Supply Water☐ Drinking☐ Ground Water☐ Other _____☐ Wastewater☐ Mon. Well**Analysis and Bottles Required: (Please Indicate Analysis)**☒ EC, NO₃-N

(1) 1 L plastic, unpreserved (white)

☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)

(1) 1 L plastic, unpreserved (white)

☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)

(1) 1 L plastic, unpreserved (white)

☐ DCW1: (EC, NO₃-N, TDS)

(1) 1 L plastic, unpreserved (white)

☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)

(1) 1 L plastic, unpreserved (white)

☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)

(1) 1 L plastic, unpreserved (white)

☐ Other _____

Date Sampled	Time Sampled	Field NH ₄ -N (mg/L)	Received Temp °C
<u>8/16/23</u>	<u>3:30pm</u>		<u>0.4</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Signature _____

Sample received in cooler with ice?

☐ Yes ☐ No

cittupdate 2020

IR Thermometer SN: 200560723

Correction Factor: 0°C

Calibration Due: 9/26/2023

Location: Laboratory



08/17/23 08:33

23H1597

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sample <input checked="" type="checkbox"/> Other <input type="checkbox"/>											
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
Samples Preserved with HNO₃ or H₂SO₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory											
Type of Container(s) Received		Sample Number									
		1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)											
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	* pH Value										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)											
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	500 mL HNO ₃ (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO ₃ (Red)										
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)										
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	40mL VOA, H ₃ PO ₄ (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H ₂ SO ₄ (Yellow)										
	250 mL AG Na ₂ S ₂ O ₃ (Green)										
	250 mL AG Na ₂ S ₂ O ₃ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H ₂ SO ₄ (Yellow)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
1 L AG HCl (Blue)											
Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
Other:											



08/17/23 08:33

2:11597

EPS

WATER WORK REQUEST

Bill To: Acct No. 16668 Cons. 8

Purchase Order No. Results Needed By

Client **ATO Dairy**
Address 19249 S. Fruit Ave
City, State, Zip Riverdale Ca 93656
Email: atodairy@yahoo.com

Copy to: mel_tinamedeiros@yahoo.com

Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility:

Date sampled

Sampled by

☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB

DESCRIPTION OF SAMPLES

1. Canal	Sampled From:
2.	Sampled From:
3.	Sampled From:
4.	Sampled From:
5.	Sampled From:
6.	Sampled From:
7.	Sampled From:
8.	Sampled From:
9.	Sampled From:
10.	Sampled From:

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First		Medeiros		8/16/23 4:35
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I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days, overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater.

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Invoicing Information:

Medeiros Pricing 2023

Sampling Hrs Miles Consulting

Shipping

\$ In

\$ Out

Amt Paid Rec By Check No. Date

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

No. of Samples No. Bottles

Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☐ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other

Analysis and Bottles Required: (Please Indicate Analysis)

- ☒ EC, NO₃-N
(1) 1 L plastic, unpreserved (white)
- ☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
(1) 1 L plastic, unpreserved (white)
- ☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)
- ☐ DCW1: (EC, NO₃-N, TDS)
(1) 1 L plastic, unpreserved (white)
- ☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
(1) 1 L plastic, unpreserved (white)

Other

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
8/16/23	3:30pm		0.4

Signature

Sample received in cooler with ice?

[] Yes [] No

cittupdate 2020

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 9/26/2023
Location: Laboratory



08/17/23 08:33

23H1597

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Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
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	250 mL HNO ₃ (Red) Plastic										
	* pH Value										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)											
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	250 mL unpreserved (White) Plastic										
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	500 mL HNO ₃ (Red)										
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	1 L HNO ₃ (Red)										
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)										
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	40mL VOA, H ₃ PO ₄ (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H ₂ SO ₄ (Yellow)										
	250 mL AG Na ₂ S ₂ O ₃ (Green)										
	250 mL AG Na ₂ S ₂ O ₃ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H ₂ SO ₄ (Yellow)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
1 L AG HCl (Blue)											
Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
Other:											