

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:

Ansonaea Dairy

Physical address of dairy:

5250 DiGiorgio Rd. Number and Street	Bakersfield City	Kern County	93307 Zip Code
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Street and nearest cross street (if no address): _____

Date facility was originally placed in operation: 08-01-1980

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0186-0210-0001-0000	0186-0210-0004-0000	0186-0230-0002-0000	0187-0010-0001-0000	0187-0010-0003-0000	0187-0010-0005-0000
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B. OPERATORS

Miguel Romero

Operator Name: <u>Miguel Romero</u>	Telephone no.: <u>661-845-3331</u>	Landline	Cellular
5250 DiGiorgio Rd. Mailing Address Number and Street	Bakersfield City	Kern County	93307 Zip Code

C. OWNERS

Javier Echeverria

Owner Name: <u>Javier Echeverria</u>	Telephone no.: <u>661-747-6399</u>	Landline	Cellular
5250 DiGiorgio Rd. Mailing Address Number and Street	Bakersfield City	Kern County	93307 Zip Code

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo.to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	332	389	394	376	0
Number under roof	1,528	0	0	0	0	0
Maximum number	1,531	341	396	400	390	0
Average number	1,528	332	389	394	376	0
Average live weight (lbs)	1400	1450	1000	750		

Predominant milk cow breed: Holsteins
 Average Milk Production: 70 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd:	<u>53,211.53 tons per reporting period</u>	
Total nitrogen from manure:	<u>666,571.09 lbs per reporting period</u>	After ammonia losses (30% loss applied): <u>466,599.76 lbs per reporting period</u>
Total phosphorus from manure:	<u>108,688.07 lbs per reporting period</u>	
Total potassium from manure:	<u>292,626.10 lbs per reporting period</u>	
Total salt from manure:	<u>795,802.20 lbs per reporting period</u>	

C. PROCESS WASTEWATER GENERATED

Process wastewater generated:	<u>5,835,673.42 gallons</u>	$ \begin{array}{r} 5,835,673.42 \text{ gallons applied} \\ + \quad \quad \quad 0 \text{ gallons exported} \\ - \quad \quad \quad 0 \text{ gallons imported} \\ = \quad \quad \quad 5,835,673.42 \text{ gallons generated} \end{array} $
Total nitrogen generated:	<u>25,559.52 lbs</u>	
Total phosphorus generated:	<u>26,674,263.70 lbs</u>	
Total potassium generated:	<u>48,052.05 lbs</u>	
Total salt generated:	<u>367,978.70 lbs</u>	

D. FRESH WATER SOURCES

Source Description	Type
Canal - Kern Delta	Surface Water
Dairy Barn Backup	Ground Water
Dairy Barn Well	Ground Water
W2	Ground Water
W3	Ground Water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No fresh water 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

Date	Material type	Quantity	Reporting basis	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	TFS (%)
02/02/2023	Separator solids	3,278 tons	as-is	67.8	14,300.00	1,930.00	5,560.00	21.00
02/02/2023	Separator solids	4,409 tons	as-is	68.2	14,300.00	1,930.00	5,560.00	21.00
02/09/2023	Separator solids	3,495 tons	as-is	66.9	14,300.00	1,930.00	5,560.00	21.00
02/13/2023	Separator solids	6,857 tons	as-is	65.8	14,300.00	1,930.00	5,560.00	21.00
02/14/2023	Separator solids	2,964 tons	as-is	69.2	14,300.00	1,930.00	5,560.00	21.00
02/20/2023	Separator solids	6,745 tons	as-is	67.6	14,300.00	1,930.00	5,560.00	21.00
02/26/2023	Separator solids	4,585 tons	as-is	68.4	14,300.00	1,930.00	5,560.00	21.00
03/02/2023	Separator solids	5,123 tons	as-is	69.7	14,300.00	1,930.00	5,560.00	21.00
03/08/2023	Separator solids	2,165 tons	as-is	65.2	14,300.00	1,930.00	5,560.00	21.00
03/17/2023	Separator solids	4,698 tons	as-is	66.3	16,180.00	4,860.00	21,380.00	64.00
03/19/2023	Separator solids	4,265 tons	as-is	68.2	16,180.00	4,860.00	21,380.00	64.00
03/30/2023	Separator solids	5,122 tons	as-is	67.4	16,180.00	4,860.00	21,380.00	64.00
04/01/2023	Separator solids	3,766 tons	as-is	65.4	16,180.00	4,860.00	21,380.00	64.00
04/11/2023	Separator solids	529 tons	as-is	68.1	16,180.00	4,860.00	21,380.00	64.00
04/13/2023	Separator solids	4,036 tons	as-is	70.1	16,180.00	4,860.00	21,380.00	64.00
04/23/2023	Separator solids	3,017 tons	as-is	68.5	16,180.00	4,860.00	21,380.00	64.00
04/30/2023	Separator solids	4,218 tons	as-is	70.1	16,180.00	4,860.00	21,380.00	64.00
05/07/2023	Separator solids	1,988 tons	as-is	67.1	16,180.00	4,860.00	21,380.00	64.00
05/23/2023	Separator solids	15,226 tons	as-is	70.4	16,180.00	4,860.00	21,380.00	64.00
05/25/2023	Separator solids	7,568 tons	as-is	68.1	16,180.00	4,860.00	21,380.00	64.00
05/26/2023	Separator solids	3,722 tons	as-is	68.6	16,180.00	4,860.00	21,380.00	64.00
06/19/2023	Separator solids	5,548 tons	as-is	68.4	19,090.00	5,300.00	32,630.00	37.00
06/23/2023	Separator solids	4,952 tons	as-is	69.4	19,090.00	5,300.00	32,630.00	37.00
07/01/2023	Separator solids	3,865 tons	as-is	67.8	19,090.00	5,300.00	32,630.00	37.00
07/14/2023	Separator solids	8,965 tons	as-is	69.4	19,090.00	5,300.00	32,630.00	37.00
08/10/2023	Separator solids	7,136 tons	as-is	63.8	19,090.00	5,300.00	32,630.00	37.00
08/11/2023	Separator solids	7,458 tons	as-is	69.5	19,090.00	5,300.00	32,630.00	37.00
08/24/2023	Separator solids	3,826 tons	as-is	67.9	19,090.00	5,300.00	32,630.00	37.00
08/31/2023	Separator solids	5,504 tons	as-is	65.2	19,090.00	5,300.00	32,630.00	37.00
09/04/2023	Separator solids	4,983 tons	as-is	65.4	19,090.00	5,300.00	32,630.00	37.00
09/18/2023	Separator solids	4,521 tons	as-is	69.6	21,400.00	4,740.00	16,320.00	42.00
10/23/2023	Separator solids	5,698 tons	as-is	68.1	21,400.00	4,740.00	16,320.00	42.00
12/21/2023	Separator solids	3,208 tons	as-is	68.7	21,400.00	4,740.00	16,320.00	42.00

No process wastewater nutrient exports entered.

Material type	N (lbs)	P (lbs)	K (lbs)	TDS (%)
Dry Manure	5,584,140.66	1,399,203.82	6,774,537.22	141,013,280.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	5,584,140.66	1,399,203.82	6,774,537.22	141,013,280.00

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
71	28.71	27.85	8	NONE	0186-0210-0001-0000
72	66.57	64.57	8	NONE	0186-0210-0004-0000
73	37.27	36.15	8	NONE	0187-0010-0001-0000
74	38.55	37.39	8	NONE	0187-0010-0003-0000
75	74.26	73.80	2	BOTH	0187-0010-0005-0000
76	76.97	75.00	2	BOTH	0186-0230-0002-0000
Totals for areas that were used for application	322.33	314.76	36.00		
Totals for areas that were not used for application	7.57	7.57			
Land application area totals	322.33	322.33	36.00		

B. CROPS AND HARVESTS

71

Field Name: 71

01/02/2021: Alfalfa

Crop: Alfalfa Acres planted: 27.85 Plant date: 01/02/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/04/2023	33.42 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
05/04/2023	33.42 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
06/05/2023	36.20 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
07/07/2023	36.20 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
08/08/2023	41.78 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
09/09/2023	38.99 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
10/11/2023	36.20 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00
11/12/2023	30.64 ton	As-is		0.00	28,214.10	2,194.20	20,313.60	379.50	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	240.00
Total actual harvest content	10.30	581.21	45.20	418.46	0.00

Field Name:

72

01/02/2021: Alfalfa

Crop: Alfalfa Acres planted: 64.57 Plant date: 01/02/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/04/2023	77.48 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
05/04/2023	77.48 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
06/05/2023	90.40 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
07/07/2023	83.94 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
08/08/2023	96.85 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
09/09/2023	90.40 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
10/01/2023	71.03 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00
10/11/2023	88.46 ton	As-is		0.00	32,464.50	2,615.10	20,720.70	455.40	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	240.00
Total actual harvest content	10.47	679.81	54.76	433.89	0.00

Field Name:

73

01/02/2021: Alfalfa

Crop: Alfalfa

Acres planted: 36.15

Plant date: 01/02/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/04/2023	47.00 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
05/04/2023	43.38 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
06/05/2023	43.38 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
07/07/2023	47.00 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
08/08/2023	54.23 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
09/09/2023	50.61 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
10/11/2023	43.38 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00
11/12/2023	39.77 ton	As-is		0.00	28,821.30	2,125.20	24,129.30	269.10	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	240.00
Total actual harvest content	10.20	587.95	43.35	492.24	0.00

Field Name:

74

01/02/2021: Alfalfa

Crop: Alfalfa Acres planted: 37.39 Plant date: 01/02/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/04/2023	44.87 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
05/04/2023	44.87 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
06/05/2023	48.61 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
07/07/2023	52.35 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
08/08/2023	56.08 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
09/09/2023	52.35 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
10/11/2023	48.61 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00
11/12/2023	44.87 ton	As-is		0.00	31,767.60	2,663.40	21,838.50	1,538.70	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	720.00	64.80	504.00	240.00
Total actual harvest content	10.50	667.12	55.93	458.61	0.00

Field Name:	75									
10/25/2022: Triticale										
Crop: Triticale										
Acres planted: 73.8										
Plant date: 10/25/2022										
Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
05/01/2023	1,636.88 ton	As-is		0.00	6,386.40	1,497.60	9,313.20	79.20	0.00	
		Yield (tons/acre)		Total N (lbs/acre)		Total P (lbs/acre)		Total K (lbs/acre)		Salt (lbs/acre)
Anticipated harvest content		26.00		358.80		44.20		195.00		520.00
Total actual harvest content		22.18		283.30		66.43		413.13		0.00
04/15/2023: Corn, Late Silage										
Crop: Corn, Late Silage										
Acres planted: 73.8										
Plant date: 04/15/2023										
Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
08/09/2023	1,566.04 ton	As-is		0.00	6,262.40	988.00	8,755.20	45.60	0.00	
		Yield (tons/acre)		Total N (lbs/acre)		Total P (lbs/acre)		Total K (lbs/acre)		Salt (lbs/acre)
Anticipated harvest content		23.00		736.00		174.80		920.00		460.00
Total actual harvest content		21.22		265.78		41.93		371.57		0.00

Field Name: 76**10/26/2022: Triticale**

Crop: Triticale Acres planted: 75 Plant date: 10/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/17/2023	1,374.75 ton	As-is		0.00	4,856.40	1,278.00	8,056.80	72.00	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	358.80	44.20	195.00	520.00
Total actual harvest content	18.33	178.04	46.85	295.36	0.00

05/08/2023: Corn, Late Silage

Crop: Corn, Late Silage Acres planted: 75 Plant date: 05/08/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/27/2023	1,737.75 ton	As-is		0.00	6,118.00	969.00	9,116.20	49.40	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	23.00	736.00	174.80	920.00	460.00
Total actual harvest content	23.17	283.51	44.90	422.44	0.00

NUTRIENT BUDGET

A. LAND APPLICATIONS

71

Field name: 71 Crop: Alfalfa Plant date: 01/02/2021

01/02/2021: Alfalfa

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
01/01/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	389.90 <i>Lbs</i>
Application event totals		14.00	0.00	0.00	0.00	

01/30/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.04	1,210.06	31,098.48	96.80	4,038,358.37 <i>gal</i>
Application event totals		0.04	1,210.06	31,098.48	96.80	

03/05/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.04	1,087.69	27,953.69	87.02	3,629,985.09 <i>gal</i>
Application event totals		0.04	1,087.69	27,953.69	87.02	

04/09/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.58	0.00	5.51	325.29	4,492,106.42 <i>gal</i>
Application event totals		1.58	0.00	5.51	325.29	

05/09/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.58	0.00	5.51	325.29	4,492,106.42 <i>gal</i>
Application event totals		1.58	0.00	5.51	325.29	

06/10/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.65	0.00	5.73	338.43	4,673,605.49 <i>gal</i>

Application event totals						
07/12/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.70	0.00	5.90	348.29	4,809,730.16 gal
Application event totals		1.70	0.00	5.90	348.29	
08/13/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.66	0.00	5.79	341.72	4,718,980.26 gal
Application event totals		1.66	0.00	5.79	341.72	
09/14/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,373.21	35,291.53	109.86	4,582,855.95 gal
Application event totals		0.05	1,373.21	35,291.53	109.86	
10/16/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,359.62	34,942.11	108.77	4,537,481.19 gal
Application event totals		0.05	1,359.62	34,942.11	108.77	
11/17/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.47	0.00	5.12	302.29	4,174,482.68 gal
Application event totals		1.47	0.00	5.12	302.29	

Field name: 72

Crop: Alfalfa

Plant date: 01/02/2021

01/02/2021: Alfalfa

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
01/01/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	903.98 <i>Lbs</i>
Application event totals		14.00	0.00	0.00	0.00	
01/30/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.04	1,174.93	30,195.81	93.99	9,091,131.12 <i>gal</i>
Application event totals		0.04	1,174.93	30,195.81	93.99	
03/05/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.35	0.00	4.71	278.08	8,903,522.66 <i>gal</i>
Application event totals		1.35	0.00	4.71	278.08	
04/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.52	0.00	5.27	311.21	9,964,300.78 <i>gal</i>
Application event totals		1.52	0.00	5.27	311.21	
05/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.42	0.00	4.94	291.88	9,345,367.16 <i>gal</i>
Application event totals		1.42	0.00	4.94	291.88	
06/10/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.63	0.00	5.68	335.31	10,735,775.85 <i>gal</i>
Application event totals		1.63	0.00	5.68	335.31	
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 Water	Ground water	0.06	1,577.61	40,544.49	126.21	12,206,837.92 gal
Application event totals		0.06	1,577.61	40,544.49	126.21	
08/13/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.04	1,151.82	29,601.79	92.15	8,912,289.62 gal
Application event totals		0.04	1,151.82	29,601.79	92.15	
09/14/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.06	1,569.90	40,346.49	125.59	12,147,224.08 gal
Application event totals		0.06	1,569.90	40,346.49	125.59	
10/16/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.28	0.00	4.44	262.09	8,391,543.30 gal
Application event totals		1.28	0.00	4.44	262.09	
11/17/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.62	0.00	5.64	333.01	10,662,134.55 gal
Application event totals		1.62	0.00	5.64	333.01	

Field name: 73

Crop: Alfalfa

Plant date: 01/02/2021

01/02/2021: Alfalfa

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
01/01/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	506.10 <i>Lbs</i>
Application event totals		14.00	0.00	0.00	0.00	
01/30/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.45	0.00	5.03	297.30	5,329,255.41 <i>gal</i>
Application event totals		1.45	0.00	5.03	297.30	
03/05/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.42	0.00	4.94	291.55	5,226,184.51 <i>gal</i>
Application event totals		1.42	0.00	4.94	291.55	
04/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.91	0.00	6.64	392.10	7,028,452.51 <i>gal</i>
Application event totals		1.91	0.00	6.64	392.10	
05/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.06	1,568.32	40,305.72	125.47	6,793,843.70 <i>gal</i>
Application event totals		0.06	1,568.32	40,305.72	125.47	
06/10/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,334.01	34,284.03	106.72	5,778,840.97 <i>gal</i>
Application event totals		0.05	1,334.01	34,284.03	106.72	
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 Water	Ground water	0.04	1,190.34	30,591.81	95.23	5,156,488.86 gal
Application event totals		0.04	1,190.34	30,591.81	95.23	
08/13/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.06	1,685.47	43,316.57	134.84	7,301,345.29 gal
Application event totals		0.06	1,685.47	43,316.57	134.84	
09/14/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.88	0.00	6.52	385.09	6,902,804.40 gal
Application event totals		1.88	0.00	6.52	385.09	
10/16/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.39	0.00	4.83	285.31	5,114,279.13 gal
Application event totals		1.39	0.00	4.83	285.31	
11/17/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.49	0.00	5.20	306.89	5,501,040.41 gal
Application event totals		1.49	0.00	5.20	306.89	

Field name: 74

Crop: Alfalfa

Plant date: 01/02/2021

01/02/2021: Alfalfa

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
01/01/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	523.46 <i>Lbs</i>
Application event totals		14.00	0.00	0.00	0.00	
01/30/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.30	0.00	4.51	266.14	4,934,351.92 <i>gal</i>
Application event totals		1.30	0.00	4.51	266.14	
03/05/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.04	1,237.25	31,797.32	98.98	5,543,531.06 <i>gal</i>
Application event totals		0.04	1,237.25	31,797.32	98.98	
04/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,332.42	34,243.27	106.59	5,969,956.60 <i>gal</i>
Application event totals		0.05	1,332.42	34,243.27	106.59	
05/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,359.62	34,942.11	108.77	6,091,792.33 <i>gal</i>
Application event totals		0.05	1,359.62	34,942.11	108.77	
06/10/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.66	0.00	5.79	341.72	6,335,463.79 <i>gal</i>
Application event totals		1.66	0.00	5.79	341.72	
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

Well Water	Ground water	1.70	0.00	5.90	348.29	6,457,300.01 gal
Application event totals		1.70	0.00	5.90	348.29	
08/13/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.68	0.00	5.84	345.00	6,396,382.14 gal
Application event totals		1.68	0.00	5.84	345.00	
09/14/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.63	0.00	5.68	335.15	6,213,628.06 gal
Application event totals		1.63	0.00	5.68	335.15	
10/16/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.62	0.00	5.62	331.86	6,152,710.20 gal
Application event totals		1.62	0.00	5.62	331.86	
11/17/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,278.04	32,845.58	102.24	5,726,284.66 gal
Application event totals		0.05	1,278.04	32,845.58	102.24	

Field name: 75 Crop: Corn, Late Silage Plant date: 04/15/2023

04/15/2023: Corn, Late Silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
04/14/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	1,033.20 <i>Lbs</i>
Corral Solids	Corral Solids	151.12	45.39	199.69	5,977.60	738.00 <i>ton</i>
Application event totals		165.12	45.39	199.69	5,977.60	
05/05/2023	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
Well Water	Ground water	1.27	0.00	4.41	260.12	9,518,935.21 <i>gal</i>
Application event totals		1.27	0.00	4.41	260.12	
05/07/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	11.36	9,018.78	23.67	194.88	200,398.64 <i>gal</i>
Application event totals		11.36	9,018.78	23.67	194.88	
05/28/2023	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 Water	Ground water	0.04	1,121.68	28,827.24	89.73	9,919,732.10 <i>gal</i>
Lagoon Water Effluent	Process wastewater	23.85	18,939.44	49.71	409.24	420,837.12 <i>gal</i>
Application event totals		23.89	20,061.12	28,876.95	498.97	
06/05/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,359.62	34,942.11	108.77	12,023,918.16 <i>gal</i>
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	35.39	0.00	0.00	0.00	738.00 <i>Gal.</i>
NOVUS 28-0-0	Commercial fertilizer / Other: Liquid commercial fertilizer	6.27	0.00	0.00	0.00	147.60 <i>Gal.</i>
Application event totals		41.71	1,359.62	34,942.11	108.77	
06/21/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,373.21	35,291.53	109.86	12,144,157.23 gal
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	35.39	0.00	0.00	0.00	738.00 Gal.
NOVUS 28-0-0	Commercial fertilizer / Other: Liquid commercial fertilizer	6.27	0.00	0.00	0.00	147.60 Gal.
Application event totals		41.71	1,373.21	35,291.53	109.86	
07/07/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.66	0.00	5.79	341.72	12,504,874.43 gal
Lagoon Water Effluent	Process wastewater	26.12	20,743.20	54.44	448.22	460,916.87 gal
Application event totals		27.78	20,743.20	60.23	789.94	
07/25/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.40	0.00	4.87	287.50	10,520,928.39 gal
Application event totals		1.40	0.00	4.87	287.50	

10/25/2022: Tricale

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
10/01/2022	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Corral Solids	Corral Solids	140.01	34.43	344.42	2,800.16	590.40 ton
Application event totals		140.01	34.43	344.42	2,800.16	
10/25/2022	Surface (Irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	23.17	28,864.63	43.53	382.87	440,877.00 gal
Well Water	Ground water	1.72	0.00	6.46	363.30	11,406,690.19 gal
Application event totals		24.89	28,864.63	49.99	746.17	
11/29/2022	Surface (Irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	21.06	26,240.57	39.57	348.06	400,797.28 gal
Well Water	Ground water	1.06	0.00	4.00	224.86	7,060,043.95 gal

Application event totals		22.12	26,240.57	43.57	572.92	
12/29/2022	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	26.33	32,800.71	49.46	435.08	500,996.59 gal
Well Water	Ground water	1.16	0.00	4.37	245.48	7,707,331.45 gal
Application event totals		27.49	32,800.71	53.83	680.56	
01/28/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	26.53	29,684.93	45.92	298.21	400,797.28 gal
Canal Water	Ground water	0.04	1,128.93	29,013.60	90.31	9,983,859.79 gal
Application event totals		26.57	30,813.86	29,059.52	388.52	
02/27/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	33.16	37,106.16	57.40	372.76	500,996.59 gal
Canal Water	Ground water	0.04	1,041.47	26,765.66	83.32	9,210,321.70 gal
Application event totals		33.20	38,147.63	26,823.06	456.08	
03/29/2023	Surface (Irrigation)		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	66.32	74,212.33	114.80	745.52	1,001,993.18 gal
Canal Water	Ground water	0.04	1,096.08	28,169.16	87.69	9,693,281.81 gal
Application event totals		66.36	75,308.41	28,283.96	833.21	

Field name: 76 Crop: Corn, Late Silage Plant date: 05/08/2023

05/08/2023: Corn, Late Silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
05/01/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	1,050.00 <i>Lbs</i>
Corral Solids	Corral Solids	279.48	77.59	477.70	5,416.80	600.00 <i>ton</i>
Application event totals		293.48	77.59	477.70	5,416.80	
05/17/2023	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
Canal Water	Ground water	0.03	840.02	21,588.40	67.20	7,549,570.29 <i>gal</i>
Application event totals		0.03	840.02	21,588.40	67.20	
05/25/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.32	0.00	4.60	271.40	10,093,247.65 <i>gal</i>
Lagoon Water Effluent	Process wastewater	22.71	18,037.56	47.34	389.76	407,314.29 <i>gal</i>
Application event totals		24.03	18,037.56	51.94	661.16	
06/15/2023	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
Well Water	Ground water	1.81	0.00	6.29	371.51	13,816,100.35 <i>gal</i>
Application event totals		1.81	0.00	6.29	371.51	
06/23/2023	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
Well Water	Ground water	1.45	0.00	5.03	296.92	11,042,290.10 <i>gal</i>
Lagoon Water Effluent	Process wastewater	11.36	9,018.78	23.67	194.88	203,657.15 <i>gal</i>
Application event totals		12.81	9,018.78	28.70	491.80	
07/09/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	1.85	0.00	6.42	379.34	14,107,330.32 <i>gal</i>

Application event totals		1.85	0.00	6.42	379.34	
07/25/2023	Surface (Irrigation)		No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.05	1,255.38	32,263.21	100.43	11,282,605.59 gal
Lagoon Water Effluent	Process wastewater	15.90	12,626.29	33.14	272.83	285,120.00 gal
Application event totals		15.95	13,881.67	32,296.35	373.26	
08/12/2023	Surface (Irrigation)		No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.04	1,092.45	28,075.98	87.40	9,818,311.02 gal
Application event totals		0.04	1,092.45	28,075.98	87.40	

10/26/2022: Triticale

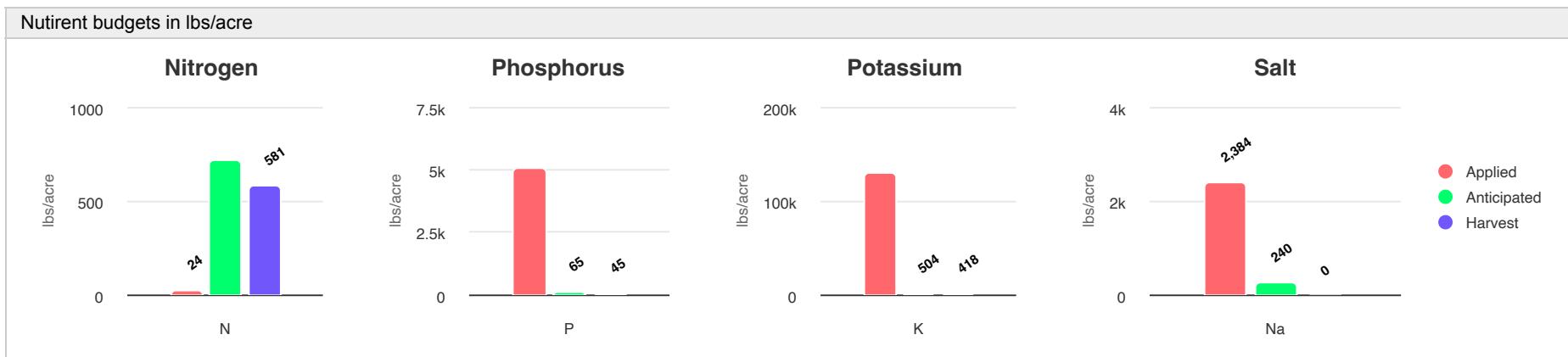
Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
10/25/2022	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Corral Solids	Corral Solids	175.01	43.04	430.52	3,500.20	750.00 ton
Application event totals		175.01	43.04	430.52	3,500.20	
10/26/2022	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
Canal Water	Ground water	0.00	1,408.56	36,988.82	133.81	12,659,328.11 gal
Application event totals		0.00	1,408.56	36,988.82	133.81	
11/30/2022	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	10.53	13,120.29	19.78	174.03	203,657.15 gal
Well Water	Ground water	1.04	0.00	3.92	220.52	7,036,354.10 gal
Application event totals		11.57	13,120.29	23.70	394.55	
12/30/2022	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
Well Water	Ground water	1.11	0.00	4.18	235.07	7,500,692.72 gal
Application event totals		1.11	0.00	4.18	235.07	
01/29/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon Water Effluent	Process wastewater	13.26	14,842.47	22.96	149.10	203,657.15 gal
Well Water	Ground water	1.27	0.00	4.42	260.78	9,698,153.27 gal
Application event totals		14.53	14,842.47	27.38	409.88	
02/28/2023	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 Water	Ground water	0.04	1,122.59	28,850.53	89.81	10,089,174.81 gal
Application event totals		0.04	1,122.59	28,850.53	89.81	
03/30/2023	Surface (Irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Water	Ground water	0.03	965.78	24,820.55	77.26	8,679,867.56 gal
Lagoon Water Effluent	Process wastewater	13.26	14,842.47	22.96	149.10	203,657.15 gal
Application event totals		13.29	15,808.25	24,843.51	226.36	

B. NUTRIENT BUDGET

71 - 01/02/2021: Alfalfa

Field name: 71 Crop: Alfalfa Plant date: 01/02/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	9.82	5,030.58	129,319.37	2,383.76
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	23.82	5,030.58	129,319.37	2,383.76
Anticipated crop nutrient removal	720.00	64.80	504.00	240.00
Actual crop nutrient removal	581.21	45.20	418.46	0.00
Nutrient balance	-557.39	4,985.38	128,900.91	2,383.76
Applied to removed ratio	0.04	111.29	309.04	0.00

Fresh water applied	
44,149,692.03	gallons
1,625.88	acre-inches
58.38	inches/acre

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

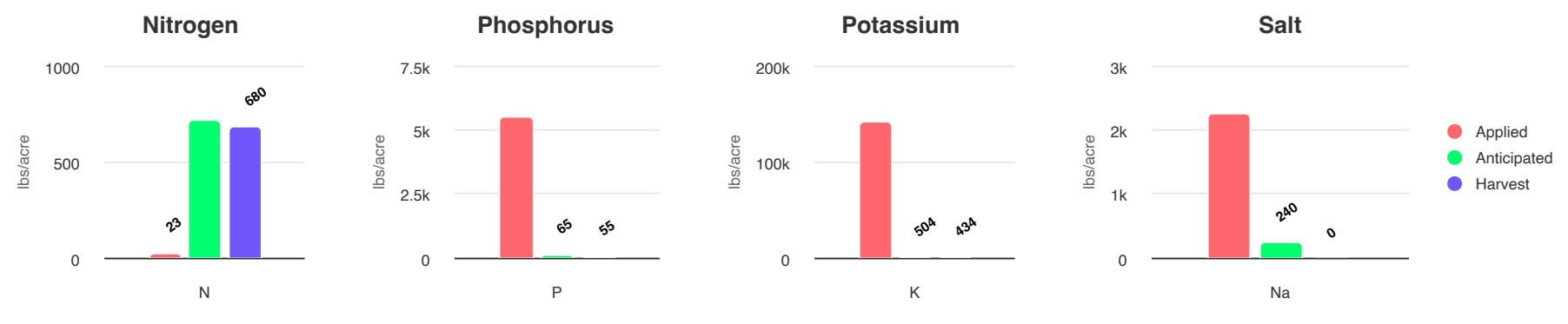
Total Harvests for the crop	
8	harvests

Field name: 72

Crop: Alfalfa

Plant date: 01/02/2021

Nutrient budgets in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	9.02	5,474.26	140,719.26	2,249.52
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	23.02	5,474.26	140,719.26	2,249.52
Anticipated crop nutrient removal	720.00	64.80	504.00	240.00
Actual crop nutrient removal	679.81	54.76	433.89	0.00
Nutrient balance	-656.79	5,419.50	140,285.37	2,249.52
Applied to removed ratio	0.03	99.97	324.32	0.00

Fresh water applied

100,360,127.04 gallons
 3,695.92 acre-inches
 57.24 inches/acre

Process wastewater applied

0.00 gallons
 0.00 acre-inches
 0.00 inches/acre

Total Harvests for the crop

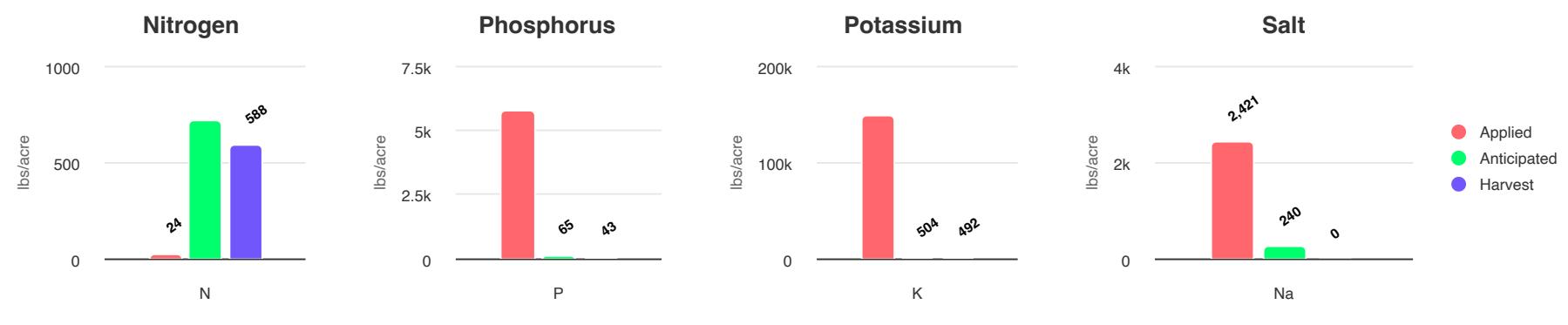
8 harvests

Field name: 73

Crop: Alfalfa

Plant date: 01/02/2021

Nutrient budgets in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	9.75	5,778.14	148,531.29	2,420.50
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	23.75	5,778.14	148,531.29	2,420.50
Anticipated crop nutrient removal	720.00	64.80	504.00	240.00
Actual crop nutrient removal	587.95	43.35	492.24	0.00
Nutrient balance	-564.20	5,734.79	148,039.05	2,420.50
Applied to removed ratio	0.04	133.28	301.75	0.00

Fresh water applied		
60,132,535.20	gallons	
2,214.48	acre-inches	
61.26	inches/acre	

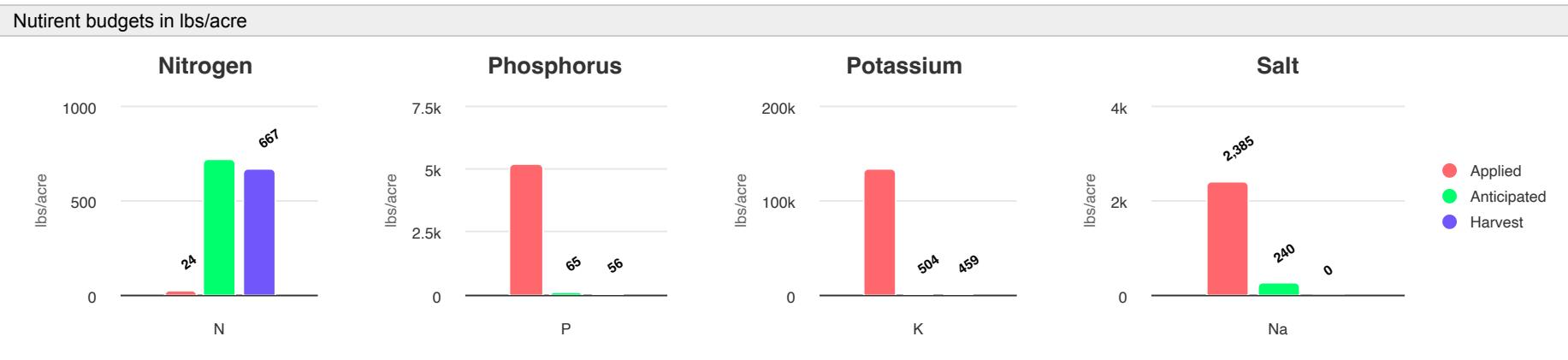
Process wastewater applied		
0.00	gallons	
0.00	acre-inches	
0.00	inches/acre	

Total Harvests for the crop		
8	harvests	

Field name: 74

Crop: Alfalfa

Plant date: 01/02/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	9.78	5,207.33	133,861.62	2,384.74
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	23.78	5,207.33	133,861.62	2,384.74
Anticipated crop nutrient removal	720.00	64.80	504.00	240.00
Actual crop nutrient removal	667.12	55.93	458.61	0.00
Nutrient balance	-643.34	5,151.40	133,403.01	2,384.74
Applied to removed ratio	0.04	93.10	291.89	0.00

Fresh water applied		
59,821,400.78	gallons	
2,203.02	acre-inches	
58.92	inches/acre	

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

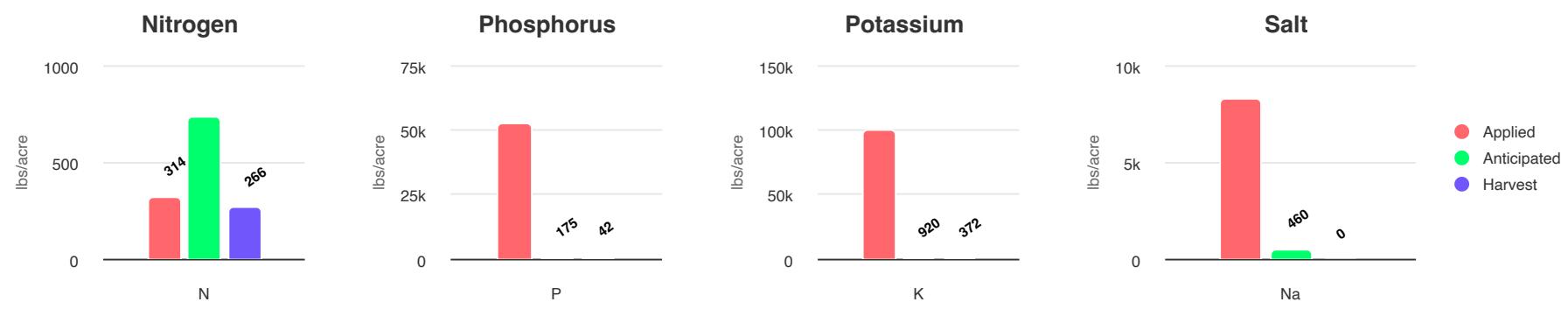
Total Harvests for the crop		
8	harvests	

Field name: 75

Crop: Corn, Late Silage

Plant date: 04/15/2023

Nutrient budgets 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	83.32	0.00	0.00	0.00
Dry manure	151.12	45.39	199.69	5,977.60
Process wastewater	61.33	48,701.42	127.82	1,052.34
Fresh water	4.47	3,854.51	99,075.95	1,197.70
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	314.24	52,601.32	99,403.46	8,227.64
Anticipated crop nutrient removal	736.00	174.80	920.00	460.00
Actual crop nutrient removal	265.78	41.93	371.57	0.00
Nutrient balance	48.46	52,559.39	99,031.89	8,227.64
Applied to removed ratio	1.18	1,254.48	267.52	0.00

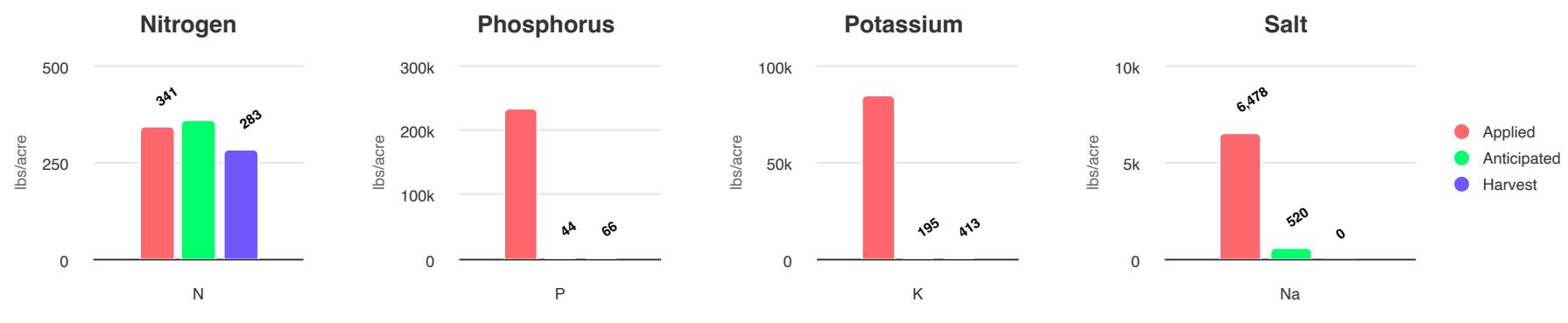
Fresh water applied
66,632,545.52 gallons
2,453.85 acre-inches
33.25 inches/acre
Process wastewater applied
1,082,152.63 gallons
39.85 acre-inches
0.54 inches/acre
Total Harvests for the crop
1 harvests

Field name: 75

Crop: Triticale

Plant date: 10/25/2022

Nutrient budgets 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	140.01	34.43	344.42	2,800.16
Process wastewater	196.57	228,909.33	350.68	2,582.50
Fresh water	4.06	3,266.48	83,963.25	1,094.96
Atmospheric deposition	0.00	0.00	0.00	0.00
Total nutrients applied	340.64	232,210.24	84,658.35	6,477.62
Anticipated crop nutrient removal	358.80	44.20	195.00	520.00
Actual crop nutrient removal	283.30	66.43	413.13	0.00
Nutrient balance	57.34	232,143.81	84,245.22	6,477.62
Applied to removed ratio	1.20	3,495.38	204.92	0.00

Fresh water applied		
55,061,528.90	gallons	
2,027.73	acre-inches	
27.48	inches/acre	

Process wastewater applied		
3,246,457.91	gallons	
119.56	acre-inches	
1.62	inches/acre	

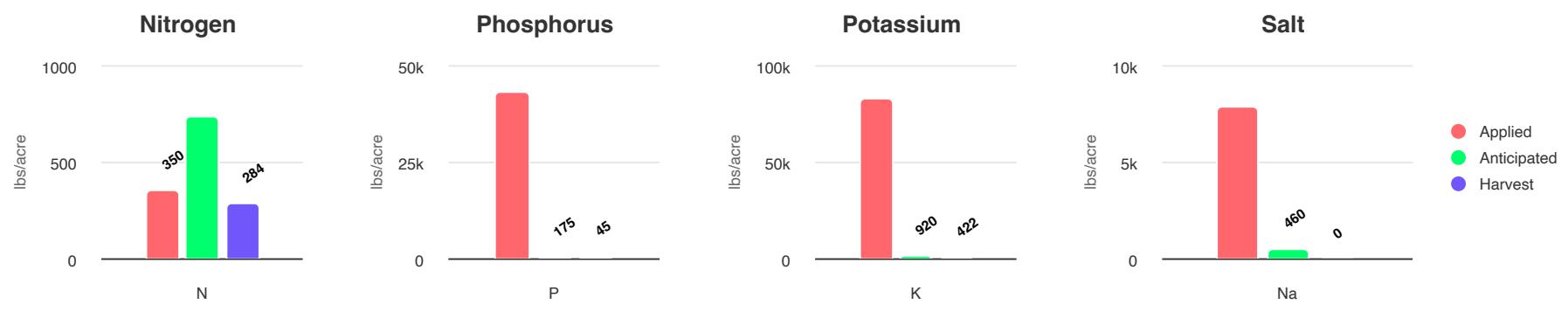
Total Harvests for the crop		
1	harvests	

Field name: 76

Crop: Corn, Late Silage

Plant date: 05/08/2023

Nutrient budgets 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	279.48	77.59	477.70	5,416.80
Process wastewater	49.97	39,682.63	104.15	857.47
Fresh water	6.55	3,187.85	81,949.93	1,574.20
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	350.00	42,948.07	82,531.78	7,848.47
Anticipated crop nutrient removal	736.00	174.80	920.00	460.00
Actual crop nutrient removal	283.51	44.90	422.44	0.00
Nutrient balance	66.49	42,903.17	82,109.34	7,848.47
Applied to removed ratio	1.23	956.45	195.37	0.00

Fresh water applied

77,709,455.32 gallons
2,861.77 acre-inches
38.16 inches/acre

Process wastewater applied

896,091.44 gallons
33.00 acre-inches
0.44 inches/acre

Total Harvests for the crop

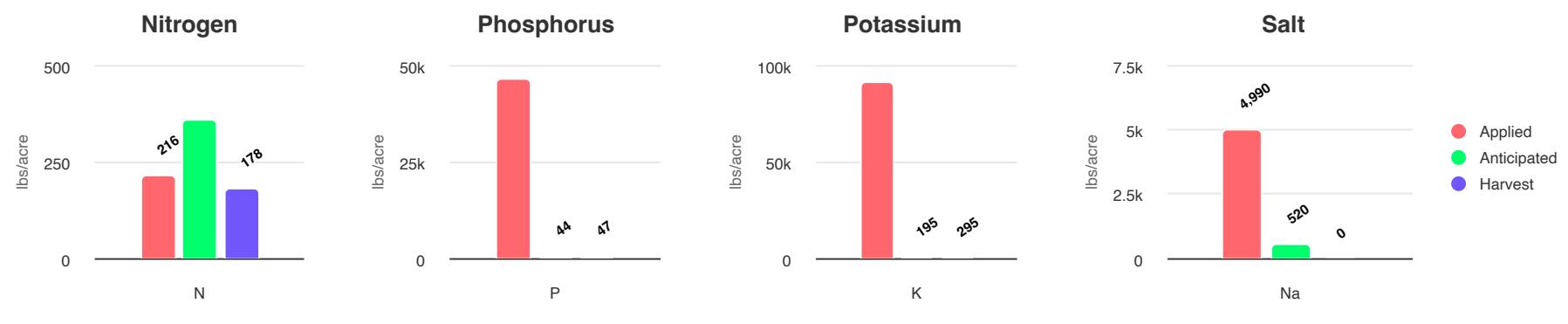
1 harvests

Field name: 76

Crop: Triticale

Plant date: 10/26/2022

Nutrient budgets 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	175.01	43.04	430.52	3,500.20
Process wastewater	37.05	42,805.23	65.70	472.23
Fresh water	3.49	3,496.93	90,672.42	1,017.25
Atmospheric deposition	0.00	0.00	0.00	0.00
Total nutrients applied	215.55	46,345.20	91,168.64	4,989.68
Anticipated crop nutrient removal	358.80	44.20	195.00	520.00
Actual crop nutrient removal	178.04	46.85	295.36	0.00
Nutrient balance	37.51	46,298.35	90,873.28	4,989.68
Applied to removed ratio	1.21	989.19	308.67	0.00

Fresh water applied
55,663,570.57 gallons
2,049.90 acre-inches
27.33 inches/acre

Process wastewater applied
610,971.44 gallons
22.50 acre-inches
0.30 inches/acre

Total Harvests for the crop
1 harvests

NUTRIENT ANALYSES

A. MANURE ANALYSES

T3090019A

Sample and source description name:	T3090019A									
Sample date:	03/17/2023	Material type:	Corral solids		Source of analysis:	Lab Analysis		Method of reporting:	As-is	
Moisture:	53.3%									

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	16,180.00	4,860.00	21,380.00	27,290.00	9,220.00	5,840.00	4,300.00	1,893.00	21,380.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3090019B

Sample and source description name:	T3090019B									
Sample date:	03/17/2023	Material type:	Corral solids		Source of analysis:	Lab Analysis		Method of reporting:	As-is	
Moisture:	75.6%									

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	15,740.00	2,440.00	3,540.00	7,920.00	3,990.00	1,560.00	2,500.00	542.00	3,540.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3167041A

Sample and source description name:	T3167041A									
Sample date:	06/12/2023	Material type:	Corral solids		Source of analysis:	Lab Analysis		Method of reporting:	As-is	
Moisture:	8.5%									

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	19,090.00	5,300.00	32,630.00	17,090.00	7,970.00	4,530.00	4,200.00	1,235.00	32,630.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3167041B

Sample and source description name:	T3167041B									
Sample date:	06/12/2023	Material type:	Corral solids		Source of analysis:	Lab Analysis		Method of reporting:	As-is	

Moisture: 80.1%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	16,120.00	2,370.00	4,770.00	8,490.00	2,800.00	1,240.00	2,900.00	556.00	4,770.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3263093A

Sample and source description name: T3263093A

Sample date: 09/15/2023

Material type: Corral solids

Source of analysis:

Lab Analysis

Method of reporting:

As-is

Moisture: 12%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	21,400.00	4,740.00	16,320.00	23,070.00	8,550.00	3,500.00	7,840.00	1,518.00	16,320.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3263093B

Sample and source description name: T3263093B

Sample date: 09/15/2023

Material type: Corral solids

Source of analysis:

Lab Analysis

Method of reporting:

As-is

Moisture: 81.8%

	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	18,100.00	2,170.00	5,790.00	8,950.00	2,730.00	1,170.00	5,730.00	578.00	5,790.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3362028A

Sample and source description name: T3362028A

Sample date: 12/22/2023

Material type: Corral solids

Source of analysis:

Lab Analysis

Method of reporting:

As-is

Moisture: 30.5%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	13,560.00	9,070.00	14,920.00	10,060.00	6,500.00	2,970.00	3,050.00	744.00	14,920.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3362028B

Sample and source description name:	T3362028B										
Sample date:	12/22/2023	Material type:	Corral solids			Source of analysis:	Lab Analysis			Method of reporting:	As-is
Moisture:	76.9%										

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	18,850.00	2,440.00	3,610.00	6,030.00	1,950.00	1,360.00	2,530.00	422.00	3,610.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

B. PROCESS WASTEWATER ANALYSES

T3089032A

Sample and source description name:	T3089032A										
Sample date:	03/17/2023	Material type:	Process wastewater			Source of analysis:	Lab Analysis			pH:	0

	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 (mmhos/cm)	TDS (mg/L)
Value	585.20	0.00	408.80	0.17	65.50	1,013.20	377.04	165.07	410.12	0.00	0.00	276.74	574.77	8.27	6,580.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

T3167026A

Sample and source description name:	T3167026A										
Sample date:	06/12/2023	Material type:	Process wastewater			Source of analysis:	Lab Analysis			pH:	0

	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 (mmhos/cm)	TDS (mg/L)
Value	501.20	0.00	467.60	0.00	39.80	1,044.52	277.50	198.97	510.46	0.00	0.00	381.34	123.11	8.65	8,600.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

T3263063A

Sample and source description name:	T3263063A										
Sample date:	09/15/2023	Material type:	Process wastewater			Source of analysis:	Lab Analysis			pH:	0

	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 (mmhos/cm)	TDS (mg/L)
--	----------------------	-----------------	-----------------	---------------------	-------------------	-------------------	-------------------	-------------------	------------------	-------------------	-----------------	-------------------	--------------------	------------------	---------------

Value	148.40	0.00	64.40	0.17	20.70	922.63	60.77	162.93	634.65	0.00	0.00	191.91	86.67	6.54	4,040.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

T3362089A

Sample and source description name:

T3362089A

Sample date: 12/22/2023

Material type: Process wastewater

Source of analysis:

Lab Analysis

pH:

0

	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 (mmhos/cm)	TDS (mg/L)
Value	322.00	0.00	142.80	0.10	21.00	1,536.84	117.57	188.71	739.62	0.00	0.00	283.85	35.02	9.81	5,280.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

C. FRESH WATER ANALYSES

W2

T3228028A

Sample and source description name:

T3228028A

Sample date: 08/14/2023

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	2.32	0.00	2.32	58.87	4.51	65.43	0.00	0.00	112.45	61.04	0.73	375.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

W3

T3228028B

Sample and source description name:

T3228028B

Sample date: 08/14/2023

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	1.17	0.00	1.17	44.96	3.67	56.23	0.00	0.00	68.30	50.36	0.60	270.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

Dairy Barn Well

T3228028C

Sample and source description name: T3228028C

Sample date: 08/14/2023

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	2.25	0.00	2.25	58.66	4.57	65.65	0.00	0.00	115.70	59.73	0.75	375.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

Canal - Kern Delta

T3362072C-178-1891

Sample and source description name: T3362072C-178-1891

Sample date: 12/27/2023

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	5.64	0.00	0.04	16.51	6.29	23.76	0.00	0.00	23.77	27.71	0.28	80.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

Dairy Barn Backup

T3362059A

Sample and source description name: T3362059A

Sample date: 12/27/2023

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	1.79	0.00	1.79	235.45	53.53	154.41	0.00	0.00	279.13	317.17	2.11	1,255.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

71 - 01/01/2023: Alfalfa

T3167017A

Sample description: T3167017A

Sample date: 06/09/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	40,890.00	3,180.00	29,440.00	550.00	0.00
DL	100.00	200.00	500.00		0.10

72 - 01/01/2023: Alfalfa

T3167017B

Sample description: T3167017B

Sample date: 06/09/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	47,050.00	3,790.00	30,030.00	660.00	0.00
DL	100.00	200.00	500.00		0.10

73 - 01/01/2023: Alfalfa

T3167017C

Sample description: T3167017C

Sample date: 06/09/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	41,770.00	3,080.00	34,970.00	390.00	0.00

DL	100.00	200.00	500.00		0.10
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74 - 01/01/2023: Alfalfa

T3167017D

Sample description: T3167017D

Sample date: 06/09/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	46,040.00	3,860.00	31,650.00	2,230.00	0.00
DL	100.00	200.00	500.00		0.10

75 - 04/14/2023: Corn, Late Silage

T3342015A

Sample description: T3342015A

Sample date: 11/03/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	16,480.00	2,600.00	23,040.00	120.00	0.00
DL	100.00	200.00	500.00		0.10

76 - 05/01/2023: Corn, Late Silage

T3342015B

Sample description: T3342015B

Sample date: 11/03/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	16,100.00	2,550.00	23,990.00	130.00	0.00
DL	100.00	200.00	500.00		0.10

76 - 10/15/2022: Triticale

T3139022B

Sample description: T3139022B

Sample date: 05/15/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	13,490.00	3,550.00	22,380.00	200.00	0.00
DL	100.00	200.00	500.00		0.10

75 - 10/20/2022: Triticale

T3139022A

Sample description: T3139022A

Sample date: 05/15/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Moisture: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	17,740.00	4,160.00	25,870.00	220.00	0.00
DL	100.00	200.00	500.00		0.10

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

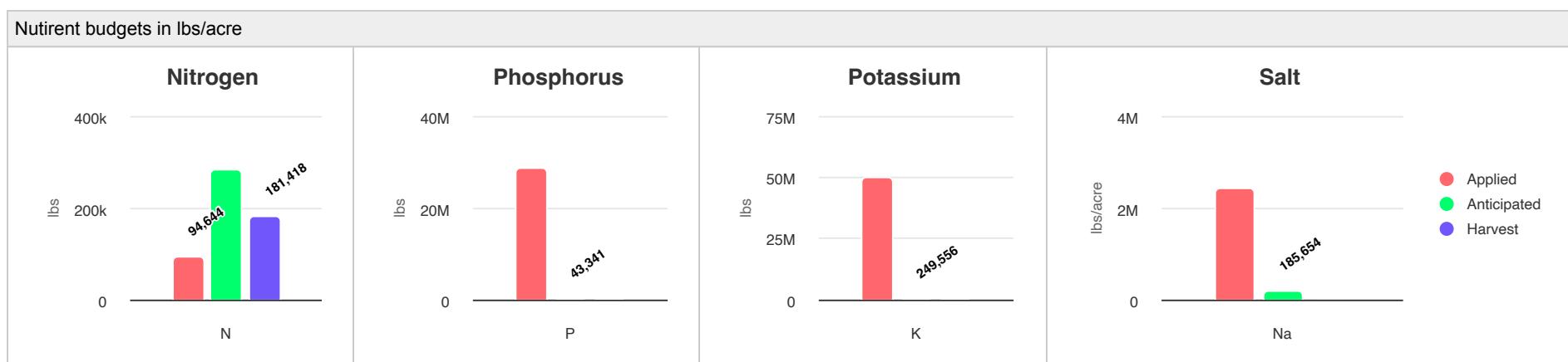
No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

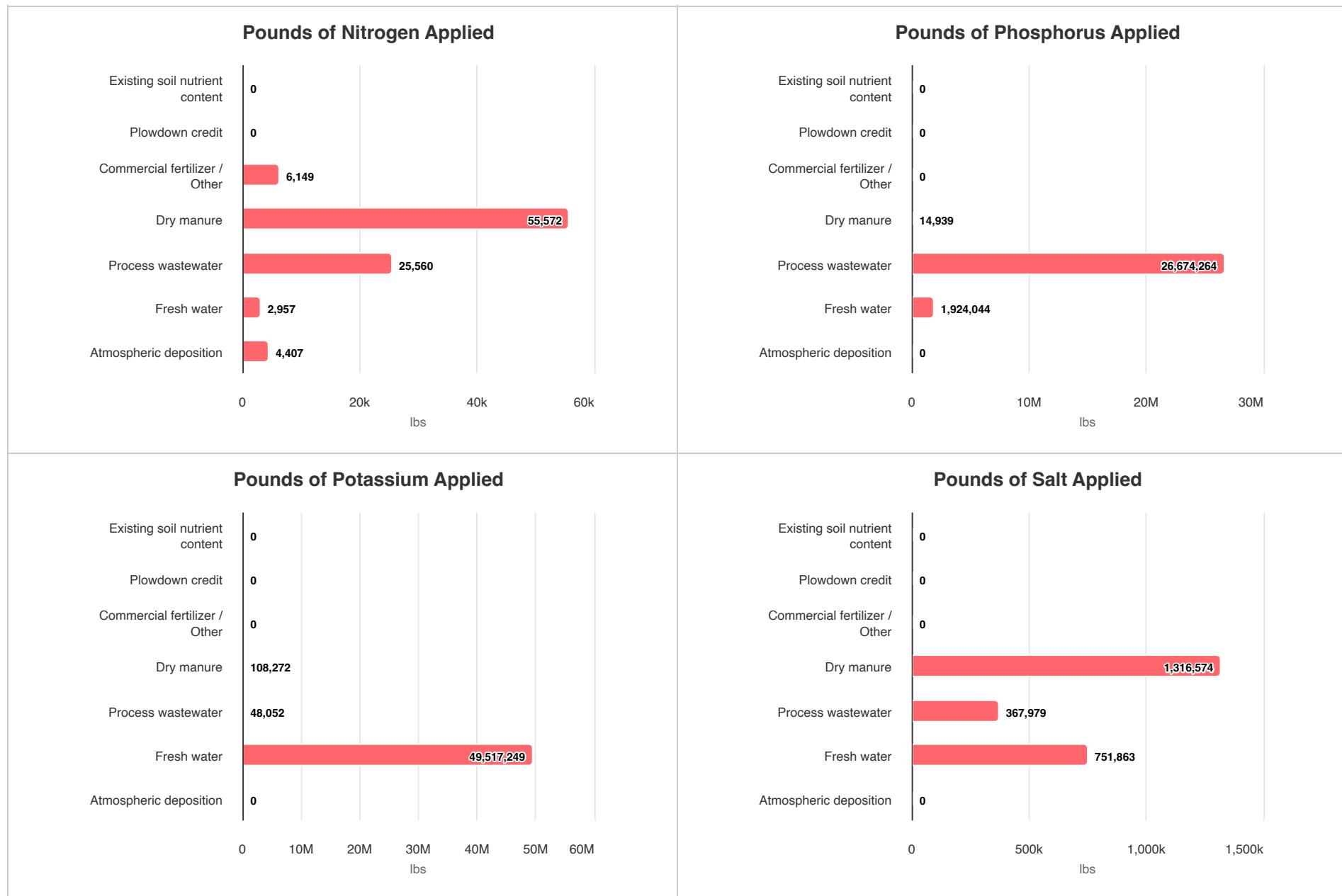
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

	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	6,149.02	0.00	0.00	0.00
Dry manure	55,571.91	14,938.84	108,272.32	3,500.20
Process wastewater	25,559.52	26,674,263.70	48,052.05	472.23
Fresh water	2,956.56	1,924,044.04	49,517,249.10	1,017.25
Atmospheric deposition	4,406.64	0.00	0.00	0.00
Total nutrients applied	94,643.64	28,613,246.58	49,673,573.47	2,436,415.21
Anticipated crop nutrient removal	282,397.45	43,341.41	249,555.84	185,654.40
Actual crop nutrient removal	181,417.65	23,332.13	186,358.95	0.00
Nutrient balance	-86,774.00	28,589,914.45	49,487,214.52	2,436,415.21
Applied to removed ratio	0.52	1,226.35	266.55	0.00

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL



C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE



EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

Yes

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

Yes

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

Yes

B. EXPORT AGREEMENT STATEMENT

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period?

No

ADDITIONAL NOTES

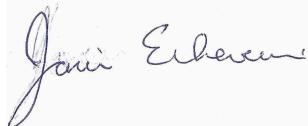
A. NOTES

No notes entered for this annual report.

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

Javier Echeverria

PRINT OR TYPE NAME

6/29/2024

DATE



SIGNATURE OF OPERATOR OF FACILITY

Miguel Romero

PRINT OR TYPE NAME

6/29/2024

DATE

REQUIRED 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.

Discharge Maps

Provide map(s) showing the discharge and sample locations for each discharge or release of waste to land areas (land application areas or otherwise) or surface water.

Discharge Lab Reports

Provide copies of laboratory analyses of all discharges (manure, process wastewater, or tailwater), surface water (upstream and downstream of a discharge), and storm water, including chain-of-custody forms and laboratory quality assurance/quality control results.

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.

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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

Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

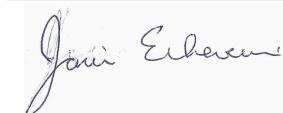
Manure Destination Farmer

Destination Information:

Name: Greg Tesch
Facility Address: 200 Hume Lane
Facility City/State: Bakersfield, CA

Contact:

Name: Tesch farms
Number: (661) 345-5735

Signature of Owner:**Date:**

12/30/2023

Signature of Hauler:**Date:**

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Feb 1, 2023 - Feb, 28 2023	3,495	ton	67 %
Mar 1, 2023 - Mar, 31 2023	5,123	ton	70 %
Apr 1, 2023 - Apr, 30 2023	529	ton	68 %
Jul 1, 2023 - Jul, 31 2023	3,865	ton	68 %
Sep 1, 2023 - Sep, 30 2023	4,983	ton	65 %
Total	17,995		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Manure Destination Farmer

Destination Information:

Name: Grimmway Farms
Facility Address: PO Box 81498
Facility City/State: Bakersfield, CA

Contact:

Name: Grimmway Farms
Number: (661) 845-5289

Signature of Owner:**Date:**

12/30/2023

Signature of Hauler:**Date:**

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Mar 1, 2023 - Mar, 31 2023	2,165	ton	65 %
Total	2,165		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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

Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

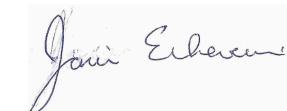
Manure Destination Farmer

Destination Information:

Name: Joseph Eyraud & Sons, Inc
Facility Address: 5300 Shafter Rd.
Facility City/State: Bakersfield, CA

Contact:

Name: Joseph Eyraud
Number: _____

Signature of Owner:**Date:**

12/30/2023

Signature of Hauler:**Date:**

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Feb 1, 2023 - Feb, 28 2023	4,409	ton	68 %
Total	4,409		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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

Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

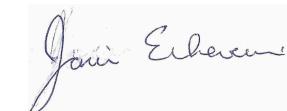
Manure Destination Farmer

Destination Information:

Name: American Ag, Inc.
Facility Address: PO Box 20370
Facility City/State: Bakersfield, CA

Contact:

Name: American Ag, Inc.
Number: _____

Signature of Owner:**Date:**

12/30/2023

Signature of Hauler:**Date:**

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Feb 1, 2023 - Feb, 28 2023	2,964	ton	69 %
May 1, 2023 - May, 31 2023	11,290	ton	68 %
Total	14,254		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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

Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

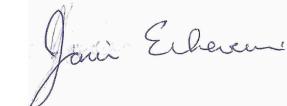
Manure Destination Farmer

Destination Information:

Name: Val Mar Farms
Facility Address: 2101 Mettler Frontage Rd. E.
Facility City/State: Bakersfield, CA

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Signature of Owner:**Date:**

12/30/2023

Signature of Hauler:**Date:**

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Feb 1, 2023 - Feb, 28 2023	4,585	ton	68 %
Aug 1, 2023 - Aug, 31 2023	7,458	ton	70 %
Oct 1, 2023 - Oct, 31 2023	5,698	ton	68 %
Total	17,741		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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

Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Manure Destination Farmer

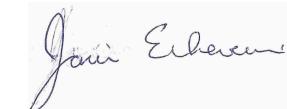
Destination Information:

Name: Kirschenman Enterprises
Facility Address: P.O. Box 27 Edison
Facility City/State: Bakersfield, CA

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Signature of Owner:



Date:

12/30/2023

Signature of Hauler:



Date:

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Feb 1, 2023 - Feb, 28 2023	3,278	ton	68 %
Mar 1, 2023 - Mar, 31 2023	5,122	ton	67 %
Apr 1, 2023 - Apr, 30 2023	4,036	ton	70 %
Total	12,436		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Manure Destination Farmer

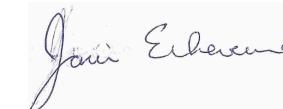
Destination Information:

Name: Ten Star Farms
Facility Address: 10457 Van Horn Road
Facility City/State: Bakersfield, CA

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Signature of Owner:



Date:

12/30/2023

Signature of Hauler:



Date:

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Feb 1, 2023 - Feb, 28 2023	13,602	ton	67 %
Jul 1, 2023 - Jul, 31 2023	8,965	ton	69 %
Sep 1, 2023 - Sep, 30 2023	4,521	ton	70 %
Dec 1, 2023 - Dec, 31 2023	3,208	ton	69 %
Total	30,296		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

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Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Manure Destination Farmer

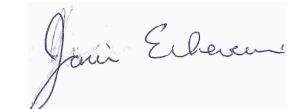
Destination Information:

Name: Ag Now Corp.
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield , CA

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Signature of Owner:



Date:

12/30/2023

Signature of Hauler:



Date:

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Mar 1, 2023 - Mar, 31 2023	4,265	ton	68 %
May 1, 2023 - May, 31 2023	15,226	ton	70 %
Aug 1, 2023 - Aug, 31 2023	7,136	ton	64 %
Total	26,627		

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Javier Echeverria
Facility Name: Ansonea Dairy
Facility Address: 5250 DiGiorgio Rd.
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Miguel Romero
Number: 661-845-3331

If amount hauled / transferred is liquid, then a "Waste Water Agreement" is required in compliance with Land Application Specification C.2 of the General Order R5-2007-0035.

Does the operator have an agreement, and is a Waste Water Agreement on file with the RWQCD? NO

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Manure Hauler / Processor Information:

Name: Brachena Ag Services, Inc
Facility Address: 9442 Bear Mountain Blvd.
Facility City/State: Bakersfield, CA 93311

Contact:

Name: Fred Amirfar
Number: (661) 978-9321

Manure Destination Company

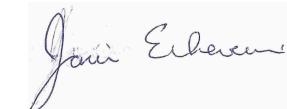
Destination Information:

Name: Kellogs
Facility Address: 350 W. Sepulveda Boulevard
Facility City/State: Carson, CA

Contact:

Name: Aaron Leach
Number: 661-340-7648

Signature of Owner:



Date:

12/30/2023

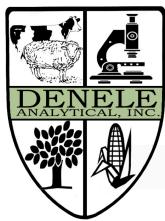
Signature of Hauler:



Date:

12/30/2023

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Mar 1, 2023 - Mar, 31 2023	4,698	ton	66 %
Apr 1, 2023 - Apr, 30 2023	11,001	ton	68 %
May 1, 2023 - May, 31 2023	1,988	ton	67 %
Jun 1, 2023 - Jun, 30 2023	10,500	ton	69 %
Aug 1, 2023 - Aug, 31 2023	9,330	ton	67 %
Total	37,517		



Denele Analytical, Inc.

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www.denelelabs.com

40 N. East Street, Woodland, CA 95776
Phone (530) 666-9056 - Fax (530) 666-9058

Compliance Analysis Report

Customer

Ansonia Dairy
5250 Di Giorgio Rd.
Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 12/28/23 12:00 PM
SUBMITTED BY: Courier
ANALYZED DATE: 1/3/24

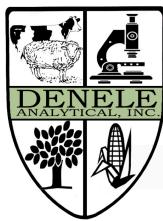
Boron (B)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Backup	T3362059A	Boron (B)	EPA 200.7	0.740	ppm

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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Compliance Analysis Report

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Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 12/28/23 12:00 PM
SUBMITTED BY: Courier
ANALYZED DATE: 1/2/24

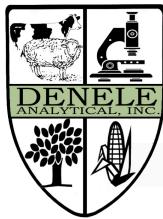
Irrigation /Ground Water (H14)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Backup	T3362059A	Electrical Conductivity (EC)	EPA 120.1 and SM 2320B-2011	2.11	mmhos/cm
		Bicarbonate Alkalinity (ALK-B)	SM 2320B-2011	396	mg/L
		Carbonate Alkalinity (Carb)	SM 2320B-2011	< 2.00	mg/L
		Sulfate (SO4)	EPA 375.2	279	mg/L
		Sodium (Na)	EPA 200.7	154	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Magnesium (Mg)	EPA 200.7	53.5	mg/L
		Nitrate Nitrogen (NO3-N)	EPA 353.2	1.79	mg/L
		Total Dissolved Solids (TDS)	SM 2540 C-1997 and EPA 200.7	1260	mg/L
		Calcium (Ca)	EPA 200.7	235	mg/L
		Chloride (Cl)	SM 4500-Cl D-2011	317	mg/L
		Soluble Salts (SALT-SOL)	Calculation	1350	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	Sample mg/L	Dup mg/L	RPD %
Ammonia Nitrogen (NH3-N)	90.2	97.6 (T3362094B)	99.4 (T3362094B)			1.82
Calcium (Ca)	102	117 (T3361018C)	119 (T3361018C)			2.03
Chloride (Cl)	102	106 (T3361018C)	105 (T3361018C)			1.12
Magnesium (Mg)	102	114 (T3361018C)	117 (T3361018C)			2.48
Nitrate Nitrogen (NO3-N)	102	107 (T3361018C)	104 (T3361018C)			2.48
Sodium (Na)	90.4	119 (T3361018C)	118 (T3361018C)			1.43
Sulfate (SO4)	104	112 (T3361018C)	109 (T3361018C)			2.42
Total Dissolved Solids (TDS)	97.0			235 (T3362060A)	240 (Dup)	2.11

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Compliance Analysis Report

Customer

Ansonia Dairy
5250 Di Giorgio Rd.
Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 12/28/23 12:00 PM
SUBMITTED BY: Courier
ANALYZED DATE: 1/2/24

Icon Sampling Fee (ISF)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Backup	T3362059A	Icon Sampling Fee (ISF)	N/A	0.000	N/A

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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Compliance Analysis Report

Customer

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5250 Di Giorgio Rd.
Bakersfield, CA 93307

Grower**Consultant:**

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9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 12/28/23 12:00 PM
SUBMITTED BY: Courier
ANALYZED DATE: 1/8/24

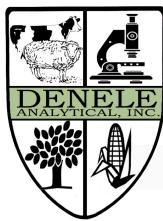
pH (pH)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Backup	T3362059A	pH (pH)	SM4500-H+ B-2000	7.9	S.U.

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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Compliance Analysis Report

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Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

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ANALYZED DATE: 1/4/24

Total Nitrogen (TN)
SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Backup	T3362059A	Total Nitrogen (TN)	SM 4500-NH3 D,C	1.79	%

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
----------------------------	-------	------	-------	-------

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Irrigation / Ground / Tile Water



9530 Hageman Rd. Ste B, #292 Bakersfield, CA 93312

Dominic Patino

(661) 333-7776

(661) 215-5168

dpatino@iconaginc.com

Date

12/27/23

Sampled By

Dominic Patino

Lab Name

Janell

Ansonea Dairy

Ranch: Home Ranch

***Required Field Measurement

NH4-N Check here if performed

Analysis Types

W5 - Ag Suitability (Non-Compliance)

W2 - W1 + Ca, Mg, Na, Bicarb, SO4, Cl, B

W4 - pH, SpCon, TDS, Ca, CO3, Na, K, Mg, SO4, Cl, B (Reg 3 comp)

W1 - EC, pH, NO3-N, TN, TDS, NH4-N*** (Reg 5 comp)

W3 - W2 + TP, NH4-N, Carb (tile drain)

Weather Conditions

SH - Sunny & Hot

CC - Cold & Cloudy

SW - Sunny & Warm

CCL - Cold & Clear

R - Rainy

Location:

Analysis	Weather	Temp (°F)	# of Bags/Bottles
W2	SW	60°	1

CHAIN



23-Q1

Ansonea Dairy

Dairy Barn Backup W

Ranch: Home Ranch 10:20

Date: 12-27-23 am

IW 35.255715, -118.945652

Location:

Analysis	Weather	Temp (°F)	# of Bags/Bottles

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Location:

Analysis	Weather	Temp (°F)	# of Bags/Bottles

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Location:

Analysis	Weather	Temp (°F)	# of Bags/Bottles

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Location:

Analysis	Weather	Temp (°F)	# of Bags/Bottles

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Location:

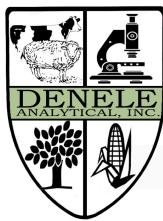
Analysis	Weather	Temp (°F)	# of Bags/Bottles

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Chain of Custody Recording Log

	Signature	Company	Received Date/Time	Relinquished Date/Time	Laboratory Use Only	
1st	Domino	ICON Ag		12/28 10:15A	Logged in By:	Laboratory #
2nd	Albert Madero Jr.			12-28-23 10:15		
3rd						
4th	Domino		12-28-23 12:10C		T3362059	



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Compliance Analysis Report

Customer

Ansonia Dairy
5250 Di Giorgio Rd.
Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 8/16/23 10:00 AM
SUBMITTED BY: Courier
ANALYZED DATE: 8/17/23

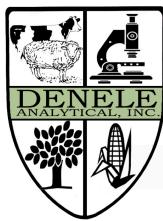
Boron (B)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W2	T3228028A	Boron (B)	EPA 200.7	0.196	ppm

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
----------------------------	-------	------	-------	-------

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Customer

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Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

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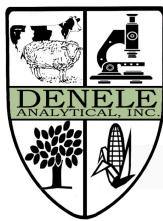
Irrigation /Ground Water (H14)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W2	T3228028A	Electrical Conductivity (EC)	EPA 120.1 and SM 2320B-2011	0.733	mmhos/cm
		Bicarbonate Alkalinity (ALK-B)	SM 2320B-2011	150	mg/L
		Carbonate Alkalinity (Carb)	SM 2320B-2011	< 2.00	mg/L
		Sulfate (SO4)	EPA 375.2	112	mg/L
		Sodium (Na)	EPA 200.7	65.4	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Magnesium (Mg)	EPA 200.7	4.51	mg/L
		Nitrate Nitrogen (NO3-N)	EPA 353.2	2.32	mg/L
		Total Dissolved Solids (TDS)	SM 2540 C-1997 and EPA 200.7	375	mg/L
		Calcium (Ca)	EPA 200.7	58.9	mg/L
		Chloride (Cl)	SM 4500-Cl D-2011	61.0	mg/L
		Soluble Salts (SALT-SOL)	Calculation	469	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	Sample mg/L	Dup mg/L	RPD %
Ammonia Nitrogen (NH3-N)	97.6	101 (T3228024C)	98.8 (T3228024C)			1.80
Calcium (Ca)	95.3	103 (T3228029B)	112 (T3228029B)			8.90
Chloride (Cl)	103	99.6 (T3228024C)	98.1 (T3228024C)			1.56
Magnesium (Mg)	95.1	94.5 (T3228029B)	105 (T3228029B)			10.5
Nitrate Nitrogen (NO3-N)	103	97.1 (T3228024C)	94.4 (T3228024C)			2.88
Sodium (Na)	98.5	102 (T3228029B)	117 (T3228029B)			13.5
Sulfate (SO4)	102	114 (T3228024C)	105 (T3228024C)			7.89
Total Dissolved Solids (TDS)	99.5			115 (T3230006A)	120 (Dup)	4.26

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Compliance Analysis Report

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5250 Di Giorgio Rd.
Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 8/16/23 10:00 AM
SUBMITTED BY: Courier
ANALYZED DATE: 8/18/23

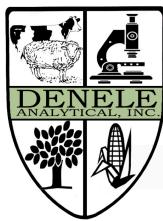
pH (pH)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W2	T3228028A	pH (pH)	SM4500-H+ B-2000	8.4	S.U.

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
----------------------------	-------	------	-------	-------

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Ansonia Dairy
5250 Di Giorgio Rd.
Bakersfield, CA 93307

Grower**Consultant:**

Icon Ag
9530 Hageman Rd, Ste B. #292
Bakersfield, CA 93312

PURCHASE ORDER:

RECEIVED DATE: 8/16/23 10:00 AM
SUBMITTED BY: Courier
ANALYZED DATE: 8/22/23

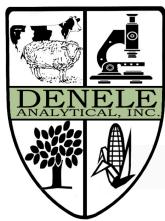
Total Nitrogen (TN)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W2	T3228028A	Total Nitrogen (TN)	SM 4500-NH3 D,C	2.32	%

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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www.denelelabs.com

40 N. East Street, Woodland, CA 95776
Phone (530) 666-9056 - Fax (530) 666-9058

Compliance Analysis Report

Customer

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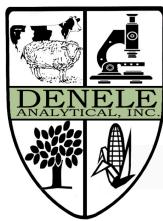
Boron (B)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W3	T3228028B	Boron (B)	EPA 200.7	0.180	ppm

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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Bakersfield, CA 93312

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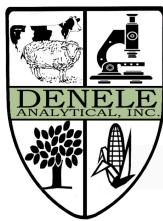
Irrigation /Ground Water (H14)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W3	T3228028B	Electrical Conductivity (EC)	EPA 120.1 and SM 2320B-2011	0.599	mmhos/cm
		Bicarbonate Alkalinity (ALK-B)	SM 2320B-2011	136	mg/L
		Carbonate Alkalinity (Carb)	SM 2320B-2011	< 2.00	mg/L
		Sulfate (SO4)	EPA 375.2	68.3	mg/L
		Sodium (Na)	EPA 200.7	56.2	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Magnesium (Mg)	EPA 200.7	3.67	mg/L
		Nitrate Nitrogen (NO3-N)	EPA 353.2	1.17	mg/L
		Total Dissolved Solids (TDS)	SM 2540 C-1997 and EPA 200.7	270	mg/L
		Calcium (Ca)	EPA 200.7	45.0	mg/L
		Chloride (Cl)	SM 4500-Cl D-2011	50.4	mg/L
		Soluble Salts (SALT-SOL)	Calculation	383	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	Sample mg/L	Dup mg/L	RPD %
Ammonia Nitrogen (NH3-N)	97.6	101 (T3228024C)	98.8 (T3228024C)			1.80
Calcium (Ca)	95.3	103 (T3228029B)	112 (T3228029B)			8.90
Chloride (Cl)	103	99.6 (T3228024C)	98.1 (T3228024C)			1.56
Magnesium (Mg)	95.1	94.5 (T3228029B)	105 (T3228029B)			10.5
Nitrate Nitrogen (NO3-N)	103	97.1 (T3228024C)	94.4 (T3228024C)			2.88
Sodium (Na)	98.5	102 (T3228029B)	117 (T3228029B)			13.5
Sulfate (SO4)	102	114 (T3228024C)	105 (T3228024C)			7.89
Total Dissolved Solids (TDS)	99.5			115 (T3230006A)	120 (Dup)	4.26

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Bakersfield, CA 93312

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ANALYZED DATE: 8/18/23

pH (pH)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W3	T3228028B	pH (pH)	SM4500-H+ B-2000	8.2	S.U.

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %

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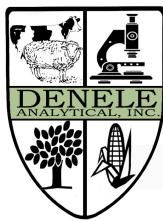
Total Nitrogen (TN)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
W3	T3228028B	Total Nitrogen (TN)	SM 4500-NH3 D,C	< 1.50	%

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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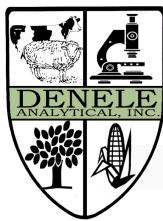
Boron (B)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Well	T3228028C	Boron (B)	EPA 200.7	0.195	ppm

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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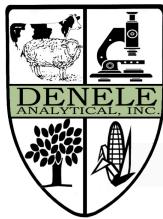
Irrigation /Ground Water (H14)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Well	T3228028C	Electrical Conductivity (EC)	EPA 120.1 and SM 2320B-2011	0.748	mmhos/cm
		Bicarbonate Alkalinity (ALK-B)	SM 2320B-2011	150	mg/L
		Carbonate Alkalinity (Carb)	SM 2320B-2011	< 2.00	mg/L
		Sulfate (SO4)	EPA 375.2	116	mg/L
		Sodium (Na)	EPA 200.7	65.6	mg/L
		Ammonia Nitrogen (NH3-N)	SM 4500-NH3 D,C	< 0.500	mg/L
		Magnesium (Mg)	EPA 200.7	4.57	mg/L
		Nitrate Nitrogen (NO3-N)	EPA 353.2	2.25	mg/L
		Total Dissolved Solids (TDS)	SM 2540 C-1997 and EPA 200.7	375	mg/L
		Calcium (Ca)	EPA 200.7	58.7	mg/L
		Chloride (Cl)	SM 4500-Cl D-2011	59.7	mg/L
		Soluble Salts (SALT-SOL)	Calculation	479	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	Sample mg/L	Dup mg/L	RPD %
Ammonia Nitrogen (NH3-N)	97.6	101 (T3228024C)	98.8 (T3228024C)			1.80
Calcium (Ca)	95.3	103 (T3228029B)	112 (T3228029B)			8.90
Chloride (Cl)	103	99.6 (T3228024C)	98.1 (T3228024C)			1.56
Magnesium (Mg)	95.1	94.5 (T3228029B)	105 (T3228029B)			10.5
Nitrate Nitrogen (NO3-N)	103	97.1 (T3228024C)	94.4 (T3228024C)			2.88
Sodium (Na)	98.5	102 (T3228029B)	117 (T3228029B)			13.5
Sulfate (SO4)	102	114 (T3228024C)	105 (T3228024C)			7.89
Total Dissolved Solids (TDS)	99.5			115 (T3230006A)	120 (Dup)	4.26

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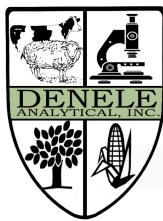
Icon Sampling Fee (ISF)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Well	T3228028C	Icon Sampling Fee (ISF)	1664B	0.000	N/A

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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pH (pH)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Well	T3228028C	pH (pH)	SM4500-H+ B-2000	8.2	S.U.

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %

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Total Nitrogen (TN)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
Dairy Barn Well	T3228028C	Total Nitrogen (TN)	SM 4500-NH3 D,C	2.25	%

Laboratory Quality Control	LCS %	MS %	MSD %	RPD %
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Irrigation / Ground / Tile Water



9530 Hageman Rd. Ste B, #292 Bakersfield, CA 93312

Dominic Patino

(661) 333-7776

(661) 215-5168

dpatino@iconaginc.com

Date

8-14-2023

Sampled By

TONY

Lab Name

Denelle

Ansonea Dairy

Ranch: Home Ranch

***Required Field Measurement

NH4-N Check here if performed

Analysis Types

W5 - Ag Suitability (Non-Compliance)

W2 - W1 + Ca, Mg, Na, Bicard, SO4, Cl, B

W4 - pH, SpCon, TDS, Ca, CO3, Ca, Mg, Na, K, SO4, Cl, B (Reg 3 comp)

W1 - EC, pH, NO3-N, TN, TDS, NH4-N*** (Reg 5 comp)

W3 - W2 + TP, NH4-N, Carb (tile drain)

Weather Conditions

SH - Sunny & Hot

CC - Cold & Cloudy

SW - Sunny & Warm

CCL - Cold & Clear

R - Rainy

Location:

1.

CHAIN



23-Q1

Ansonea Dairy

W2

W

Ranch: Home Ranch

1:00

Date: 8-14-2023 pm

IW 35.260026, -118.945481

Location:

2.

CHAIN



23-Q1

Ansonea Dairy

W3

W

Ranch: Home Ranch

1:15

Date: 8-14-2023 pm

IW 35.252737, -118.941189

Location:

3.

CHAIN



23-Q1

Ansonea Dairy

Dairy Barn Well

W

Ranch: Home Ranch

1:20

Date: 8-14-2023 pm

IW 35.254594, -118.945910

Location:

4.

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Location:

5.

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Location:

6.

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Chain of Custody Recording Log

	Signature	Company	Received Date/Time	Relinquished Date/Time	Laboratory Use Only	
1st	Antonio Maza	Icon Ag		8-13-2023 7:00 am	Logged in By:	Laboratory #
2nd						
3rd	Denelle		8-16-2023 10:00			
4th						
						T3228028