

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

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

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: Supreme Farms LLC

Physical address of dairy:

2785 N Colpien Number and Street	Tulare City	Tulare County	93274 Zip Code
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Street and nearest cross street (if no address): _____

Date facility was originally placed in operation: 01/01/1974

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X148-X050-X064-XXXX X149-X080-X006-XXXX

B. OPERATORS

Hernandez, Oscar OR Suzanne

Operator name: <u>Hernandez, Oscar OR Suzanne</u>	Telephone no.: <u>(559) 737-7504</u>	<u>(559) 991-5652</u>
	<u>Landline</u>	<u>Cellular</u>
241 E Kern AVE Mailing Address Number and Street	Tulare City	CA State
		93274 Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Mendonca, John

Legal owner name: <u>Mendonca, John</u>	Telephone no.: <u>(559) 358-0292</u>
	<u>Landline</u>
2785 N Colpien Mailing Address Number and Street	Tulare City
	CA State
	93274 Zip Code

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AVAILABLE NUTRIENTS**A. HERD INFORMATION**

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	0	0	0	0	0
Number under roof	250	50	0	0	0	0
Maximum number	250	50	0	0	0	0
Average number	250	50	0	0	0	0
Avg live weight (lbs)	1,400	1,450	0	0		

Predominant milk cow breed: Holstein

Average milk production: 61 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 6,877.73 tons per reporting period

Total nitrogen from manure: 89,517.49 lbs per reporting period

After ammonia losses (30% loss applied): 62,662.24 lbs per reporting period

Total phosphorus from manure: 14,764.13 lbs per reporting period

Total potassium from manure: 46,399.06 lbs per reporting period

Total salt from manure: 129,210.00 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 5,376,000 gallons

Total nitrogen generated: 22,044.07 lbs

Total phosphorus generated: 3,910.08 lbs

Total potassium generated: 49,753.81 lbs

Total salt generated: 120,198.79 lbs

$$\begin{array}{r}
 5,376,000 \text{ gallons applied} \\
 + \quad \quad \quad 0 \text{ gallons exported} \\
 - \quad \quad \quad 0 \text{ gallons imported} \\
 = \quad \quad \quad 5,376,000 \text{ gallons generated}
 \end{array}$$

D. FRESH WATER SOURCES

Source Description	Type
AG-101	Ground water
AG-104	Ground water
AG-107	Ground water
AG-202	Ground water
AG-301	Ground water

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Source Description	Type
Canal Lift 106	Surface water
Canal Lift 302	Surface water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
1-101	51	51	2	both	X148-X050-X064-XXXX
1-102	77	77	2	both	X148-X050-X064-XXXX
1-103	77	77	0	none	X148-X050-X064-XXXX
1-104	76	76	1	none	X148-X050-X064-XXXX
2-102	40	40	2	manure	X149-X080-X006-XXXX
3-101	38	38	3	manure	X149-X010-X011-XXXX
3-102	35	35	1	manure	X149-X010-X011-XXXX
Totals for areas that were used for application	241	241	10		
Totals for areas that were not used for application	153	153	1		
Land application area totals	394	394	11		

B. CROPS AND HARVESTS

1-101																				
Field name: 1-101																				
11/12/2022: Wheat, silage, soft dough																				
Crop: Wheat, silage, soft dough																				
Acres planted: 51 Plant date: 11/12/2022																				
<table border="1"> <thead> <tr> <th>Harvest date</th><th>Yield</th><th>Reporting basis</th><th>Density (lbs/cu ft)</th><th>Moisture (%)</th><th>N (mg/kg)</th><th>P (mg/kg)</th><th>K (mg/kg)</th><th>Salt (mg/kg)</th><th>TFS (%)</th></tr> </thead> <tbody> <tr> <td>04/16/2023</td><td>918.00 ton</td><td>Dry-weight</td><td></td><td>67.2</td><td>9,800.00</td><td>2,700.00</td><td>22,400.00</td><td></td><td>7.83</td></tr> </tbody> </table>	Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	04/16/2023	918.00 ton	Dry-weight		67.2	9,800.00	2,700.00	22,400.00		7.83
Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)											
04/16/2023	918.00 ton	Dry-weight		67.2	9,800.00	2,700.00	22,400.00		7.83											
<table border="1"> <thead> <tr> <th></th><th>Yield (tons/acre)</th><th>Total N (lbs/acre)</th><th>Total P (lbs/acre)</th><th>Total K (lbs/acre)</th><th>Salt (lbs/acre)</th></tr> </thead> <tbody> <tr> <td>Anticipated harvest content</td><td>18.00</td><td>198.00</td><td>30.60</td><td>149.40</td><td>0.00</td></tr> <tr> <td>Total actual harvest content</td><td>18.00</td><td>115.72</td><td>31.88</td><td>264.50</td><td>924.57</td></tr> </tbody> </table>		Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)	Anticipated harvest content	18.00	198.00	30.60	149.40	0.00	Total actual harvest content	18.00	115.72	31.88	264.50	924.57		
	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)															
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00															
Total actual harvest content	18.00	115.72	31.88	264.50	924.57															

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1-101

05/15/2023: Corn, silage

Crop: Corn, silage Acres planted: 51 Plant date: 05/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/25/2023	1,550.00 ton	Dry-weight		71.4	10,900.00	2,200.00	10,400.00		5.31

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	30.39	189.49	38.25	180.80	923.11

1-102

Field name: 1-102

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

Crop: Wheat, silage, soft dough Acres planted: 77 Plant date: 11/17/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/22/2023	1,463.00 ton	Dry-weight		65.9	15,400.00	4,900.00	31,200.00		10.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	19.00	199.55	63.49	404.29	1,412.42

06/16/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 06/16/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/16/2023	2,079.00 ton	Dry-weight		71.8	15,000.00	2,400.00	13,700.00		5.96

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.00	228.42	36.55	208.62	907.59

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1-104

Field name: 1-104

09/18/2020: Alfalfa, hay

Crop: Alfalfa, hay

Acres planted: 76 Plant date: 09/18/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/29/2023	570.00 ton	Dry-weight		74.5	34,300.00	3,400.00	30,000.00		12.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	8.00	480.00	43.20	336.00	0.00
Total actual harvest content	7.50	131.20	13.01	114.75	493.43

2-102

Field name: 2-102

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

Crop: Wheat, silage, soft dough

Acres planted: 40 Plant date: 11/04/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/18/2023	1,000.00 ton	Dry-weight		64.1	12,800.00	2,400.00	14,500.00		7.15

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	25.00	229.76	43.08	260.28	1,283.43

06/06/2023: Corn, silage

Crop: Corn, silage

Acres planted: 40 Plant date: 06/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/20/2023	1,240.00 ton	Dry-weight		68.4	10,500.00	2,200.00	8,700.00		4.99

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	31.00	205.72	43.10	170.45	977.64

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3-101

Field name: 3-101

11/15/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 38 Plant date: 11/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	798.00 ton	Dry-weight		65.9	11,000.00	2,800.00	13,400.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	21.00	157.54	40.10	191.91	1,432.20

06/13/2023: Corn, silage

Crop: Corn, silage Acres planted: 38 Plant date: 06/13/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/20/2023	1,147.00 ton	Dry-weight		69.2	10,000.00	1,900.00	6,700.00		5.60
09/20/2023	1,147.00 ton	Dry-weight		69.2	10,000.00	1,900.00	6,700.00		5.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	60.37	371.87	70.66	249.15	2,082.47

3-102

Field name: 3-102

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3-102

04/21/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 04/21/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/07/2023	983.00 <i>ton</i>	Dry-weight		68.6	12,800.00	2,000.00	7,300.00		5.16

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	28.09	225.76	35.28	128.76	910.11

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NUTRIENT BUDGET**A. LAND APPLICATIONS**

1-101 - 11/12/2022: Wheat, silage, soft dough

Field name: 1-101

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/12/2022	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-101	Ground water	0.00	0.00	0.00	0.00	0.01 gal
Application event totals		0.00	0.00	0.00	0.00	

1-101 - 05/15/2023: Corn, silage

Field name: 1-101

Crop: Corn, silage

Plant date: 05/15/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/17/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	118.96	35.14	39.65	50.20	500.00 ton
Application event totals		118.96	35.14	39.65	50.20	
04/26/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.37	0.00	0.00	61.75	7,548,000.00 gal
Application event totals		0.37	0.00	0.00	61.75	
06/11/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.33	0.00	0.00	54.24	6,630,000.00 gal
Application event totals		0.33	0.00	0.00	54.24	

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1-101 - 05/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/03/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	57.28	8.84	39.22	195.16	388,500.00 gal
Canal Lift 106	Surface water	0.19	0.00	0.00	30.88	3,774,000.00 gal
Application event totals		57.46	8.84	39.22	226.03	
07/11/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	61.92	9.55	42.40	210.98	420,000.00 gal
Canal Lift 106	Surface water	0.20	0.00	0.00	33.38	4,080,000.00 gal
Application event totals		62.12	9.55	42.40	244.36	
07/21/2023	Pipeline	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 Lift 106	Surface water	0.17	0.00	0.00	27.54	3,366,000.00 gal
Application event totals		0.17	0.00	0.00	27.54	
07/30/2023	Pipeline	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 Lift 106	Surface water	0.18	0.00	0.00	29.21	3,570,000.00 gal
Application event totals		0.18	0.00	0.00	29.21	
08/08/2023	Pipeline	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 Lift 106	Surface water	0.23	0.00	0.00	38.39	4,692,000.00 gal
Application event totals		0.23	0.00	0.00	38.39	

1-102 - 11/17/2022: Wheat, silage, soft dough

Field name: 1-102

Crop: Wheat, silage, soft dough

Plant date: 11/17/2022

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1-102 - 11/17/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/04/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	81.22	30.08	93.25	75.20	770.00 ton
Application event totals		81.22	30.08	93.25	75.20	
02/20/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	39.95	11.28	100.47	480.01	1,375,500.00 gal
Canal Lift 106	Surface water	0.26	0.00	0.00	43.24	7,980,000.00 gal
Application event totals		40.21	11.28	100.47	523.25	
04/12/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	82.02	12.65	56.17	279.48	840,000.00 gal
Canal Lift 106	Surface water	0.22	0.00	0.00	37.32	6,888,000.00 gal
Application event totals		82.25	12.65	56.17	316.81	
05/01/2023	Pipeline	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 Lift 106	Surface water	0.16	0.00	0.00	25.95	4,788,000.00 gal
Application event totals		0.16	0.00	0.00	25.95	

1-102 - 06/16/2023: Corn, silage

Field name: 1-102

Crop: Corn, silage

Plant date: 06/16/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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1-102 - 06/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/02/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.25	0.00	0.00	40.90	7,548,000.00 gal
Application event totals		0.25	0.00	0.00	40.90	
06/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	97.08	28.67	32.36	40.96	616.00 ton
Application event totals		97.08	28.67	32.36	40.96	
07/12/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.23	0.00	0.00	38.14	7,038,000.00 gal
Application event totals		0.23	0.00	0.00	38.14	
07/25/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.17	0.00	0.00	28.74	5,304,000.00 gal
Application event totals		0.17	0.00	0.00	28.74	
07/31/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	52.29	8.07	35.81	178.17	535,500.00 gal
Canal Lift 106	Surface water	0.17	0.00	0.00	28.19	5,202,000.00 gal
Application event totals		52.46	8.07	35.81	206.36	
08/10/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	13.19	2.63	159.39	141.33	724,500.00 gal
Canal Lift 106	Surface water	0.23	0.00	0.00	38.14	7,038,000.00 gal
Application event totals		13.42	2.63	159.39	179.47	

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1-102 - 06/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/22/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	9.94	1.98	120.12	106.51	546,000.00 gal
Canal Lift 106	Surface water	0.17	0.00	0.00	28.74	5,304,000.00 gal
Application event totals		10.11	1.98	120.12	135.25	
09/01/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	9.94	1.98	120.12	106.51	546,000.00 gal
Canal Lift 106	Surface water	0.17	0.00	0.00	28.74	5,304,000.00 gal
Application event totals		10.11	1.98	120.12	135.25	

1-104 - 09/18/2020: Alfalfa, hay

Field name: 1-104

Crop: Alfalfa, hay

Plant date: 09/18/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/03/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-101	Ground water	2.34	0.00	0.00	1.06	9,690,000.00 gal
Application event totals		2.34	0.00	0.00	1.06	
04/21/2023	Pipeline	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
AG-107	Ground water	1.28	0.00	0.00	0.85	7,752,000.00 gal
Application event totals		1.28	0.00	0.00	0.85	

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1-104 - 09/18/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/16/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	0.96	0.00	0.00	0.64	5,814,000.00 gal
Application event totals		0.96	0.00	0.00	0.64	
06/04/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	1.29	0.00	0.00	0.86	7,854,000.00 gal
Application event totals		1.29	0.00	0.00	0.86	
06/27/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	1.21	0.00	0.00	0.81	7,344,000.00 gal
Application event totals		1.21	0.00	0.00	0.81	
07/14/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	1.24	0.00	0.00	0.83	7,548,000.00 gal
Application event totals		1.24	0.00	0.00	0.83	
07/20/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	1.29	0.00	0.00	0.86	7,854,000.00 gal
Application event totals		1.29	0.00	0.00	0.86	
08/09/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	1.18	0.00	0.00	0.78	7,140,000.00 gal
Application event totals		1.18	0.00	0.00	0.78	

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1-104 - 09/18/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/25/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-107	Ground water	1.28	0.00	0.00	0.85	7,752,000.00 gal
Application event totals		1.28	0.00	0.00	0.85	
09/07/2023	Pipeline	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
AG-107	Ground water	1.16	0.00	0.00	0.77	7,038,000.00 gal
Application event totals		1.16	0.00	0.00	0.77	

2-102 - 11/04/2022: Wheat, silage, soft dough

Field name: 2-102

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/15/2022	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	97.46	36.10	111.90	90.24	480.00 ton
Application event totals		97.46	36.10	111.90	90.24	
10/30/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-202	Ground water	5.29	0.00	0.00	2.12	10,140,000.00 gal
Application event totals		5.29	0.00	0.00	2.12	
02/02/2023	Pipeline	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
AG-202	Ground water	4.54	0.00	0.00	1.82	8,700,000.00 gal
Application event totals		4.54	0.00	0.00	1.82	

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2-102 - 11/04/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/10/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
AG-202	Ground water	3.88	0.00	0.00	1.55	7,440,000.00 gal
Application event totals		3.88	0.00	0.00	1.55	

2-102 - 06/06/2023: Corn, silage

Field name: 2-102

Crop: Corn, silage

Plant date: 06/06/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/13/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	145.61	43.01	48.54	61.44	480.00 ton
Application event totals		145.61	43.01	48.54	61.44	
05/23/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.33	0.00	0.00	55.58	5,328,000.00 gal
Application event totals		0.33	0.00	0.00	55.58	
06/29/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.37	0.00	0.00	61.59	5,904,000.00 gal
Application event totals		0.37	0.00	0.00	61.59	
07/11/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.28	0.00	0.00	47.32	4,536,000.00 gal
Application event totals		0.28	0.00	0.00	47.32	

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2-102 - 06/06/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/20/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.23	0.00	0.00	37.55	3,600,000.00 gal
Application event totals		0.23	0.00	0.00	37.55	
07/31/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.23	0.00	0.00	37.55	3,600,000.00 gal
Application event totals		0.23	0.00	0.00	37.55	
08/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.22	0.00	0.00	36.80	3,528,000.00 gal
Application event totals		0.22	0.00	0.00	36.80	
08/16/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.24	0.00	0.00	40.56	3,888,000.00 gal
Application event totals		0.24	0.00	0.00	40.56	
08/23/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.21	0.00	0.00	35.30	3,384,000.00 gal
Application event totals		0.21	0.00	0.00	35.30	
09/02/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 106	Surface water	0.27	0.00	0.00	45.81	4,392,000.00 gal
Application event totals		0.27	0.00	0.00	45.81	

3-101 - 11/15/2022: Wheat, silage, soft dough

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3-101 - 11/15/2022: Wheat, silage, soft dough

Field name: 3-101Crop: Wheat, silage, soft doughPlant date: 11/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/03/2022	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	81.22	30.08	93.25	75.20	380.00 ton
Application event totals		81.22	30.08	93.25	75.20	
01/17/2023	Pipeline	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 Lift 302	Surface water	0.51	0.00	0.00	85.38	7,776,000.00 gal
Application event totals		0.51	0.00	0.00	85.38	
04/11/2023	Pipeline	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 Lift 302	Surface water	0.47	0.00	0.00	78.27	7,128,000.00 gal
Application event totals		0.47	0.00	0.00	78.27	
05/01/2023	Pipeline	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 Lift 302	Surface water	0.38	0.00	0.00	63.44	5,778,000.00 gal
Application event totals		0.38	0.00	0.00	63.44	

3-101 - 06/13/2023: Corn, silage

Field name: 3-101Crop: Corn, silagePlant date: 06/13/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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3-101 - 06/13/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/26/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	141.78	41.88	47.26	59.82	444.00 ton
Application event totals		141.78	41.88	47.26	59.82	
05/27/2023	Pipeline	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 Lift 302	Surface water	0.37	0.00	0.00	61.07	5,562,000.00 gal
Application event totals		0.37	0.00	0.00	61.07	
07/13/2023	Pipeline	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 Lift 302	Surface water	0.21	0.00	0.00	34.39	3,132,000.00 gal
Application event totals		0.21	0.00	0.00	34.39	
07/20/2023	Pipeline	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 Lift 302	Surface water	0.15	0.00	0.00	25.50	2,322,000.00 gal
Application event totals		0.15	0.00	0.00	25.50	
08/01/2023	Pipeline	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 Lift 302	Surface water	0.12	0.00	0.00	20.75	1,890,000.00 gal
Application event totals		0.12	0.00	0.00	20.75	
08/09/2023	Pipeline	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 Lift 302	Surface water	0.14	0.00	0.00	23.12	2,106,000.00 gal
Application event totals		0.14	0.00	0.00	23.12	

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3-101 - 06/13/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/16/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.20	0.00	0.00	32.61	2,970,000.00 gal
Application event totals		0.20	0.00	0.00	32.61	
08/27/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.13	0.00	0.00	21.94	1,998,000.00 gal
Application event totals		0.13	0.00	0.00	21.94	
09/03/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.13	0.00	0.00	21.94	1,998,000.00 gal
Application event totals		0.13	0.00	0.00	21.94	

3-102 - 04/21/2023: Corn, silage

Field name: 3-102

Crop: Corn, silage

Plant date: 04/21/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/20/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	124.81	36.86	41.60	52.66	360.00 ton
Application event totals		124.81	36.86	41.60	52.66	
05/22/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.27	0.00	0.00	45.06	3,780,000.00 gal
Application event totals		0.27	0.00	0.00	45.06	

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3-102 - 04/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.22	0.00	0.00	37.34	3,132,000.00 gal
Application event totals		0.22	0.00	0.00	37.34	
06/20/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.23	0.00	0.00	37.98	3,186,000.00 gal
Application event totals		0.23	0.00	0.00	37.98	
06/29/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.16	0.00	0.00	26.39	2,214,000.00 gal
Application event totals		0.16	0.00	0.00	26.39	
07/11/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.25	0.00	0.00	41.20	3,456,000.00 gal
Application event totals		0.25	0.00	0.00	41.20	
07/19/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal Lift 302	Surface water	0.12	0.00	0.00	20.60	1,728,000.00 gal
Application event totals		0.12	0.00	0.00	20.60	

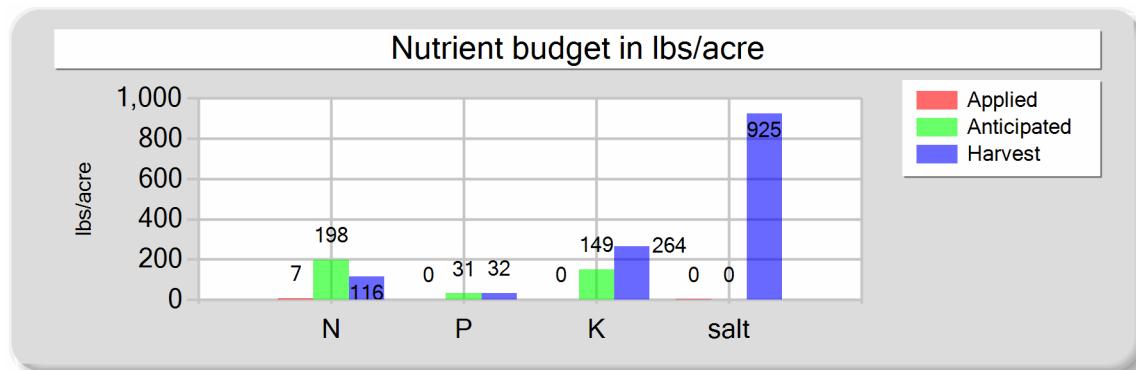
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B. NUTRIENT BUDGET

1-101 - 11/12/2022: Wheat, silage, soft dough

Field name: 1-101 Crop: Wheat, silage, soft dough Plant date: 11/12/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	7.00	0.00	0.00	0.00
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	115.72	31.88	264.50	924.57
Nutrient balance	-108.72	-31.88	-264.50	-924.57
Applied to removed ratio	0.06	0.00	0.00	0.00

Fresh water applied
0.01 gallons
0.00 acre-inches
0.00 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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

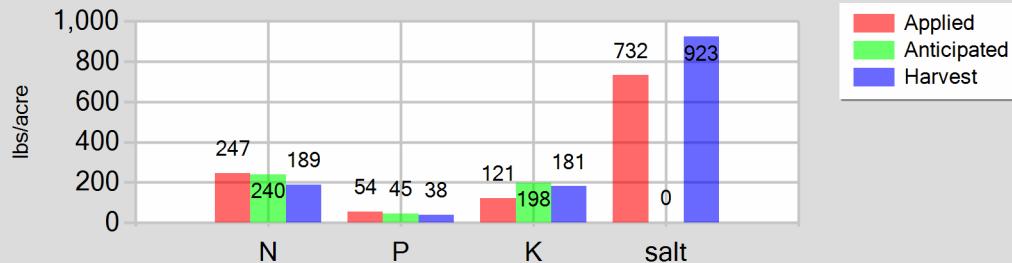
1-101 - 05/15/2023: Corn, silage

Field name: 1-101

Crop: Corn, silage

Plant date: 05/15/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	118.96	35.14	39.65	50.20
Process wastewater	119.20	18.39	81.62	406.14
Fresh water	1.65	0.00	0.00	275.39
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	246.81	53.53	121.28	731.72
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	189.49	38.25	180.80	923.11
Nutrient balance	57.32	15.28	-59.52	-191.39
Applied to removed ratio	1.30	1.40	0.67	0.79

Fresh water applied

33,660,000.00 gallons
1,239.58 acre-inches
24.31 inches/acre

Process wastewater applied

808,500.00 gallons
29.77 acre-inches
0.58 inches/acre

Total harvests for the crop

1 harvests

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

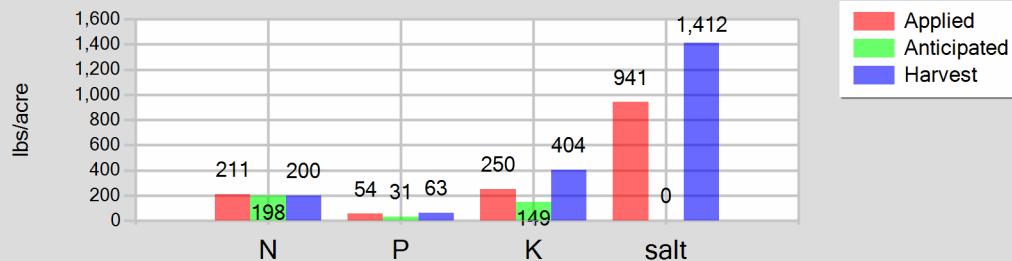
1-102 - 11/17/2022: Wheat, silage, soft dough

Field name: 1-102

Crop: Wheat, silage, soft dough

Plant date: 11/17/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	81.22	30.08	93.25	75.20
Process wastewater	121.98	23.94	156.64	759.49
Fresh water	0.64	0.00	0.00	106.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	210.83	54.02	249.89	941.21
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	199.55	63.49	404.29	1,412.42
Nutrient balance	11.28	-9.48	-154.40	-471.22
Applied to removed ratio	1.06	0.85	0.62	0.67

Fresh water applied

19,656,000.00 gallons
723.86 acre-inches
9.40 inches/acre

Process wastewater applied

2,215,500.00 gallons
81.59 acre-inches
1.06 inches/acre

Total harvests for the crop

1 harvests

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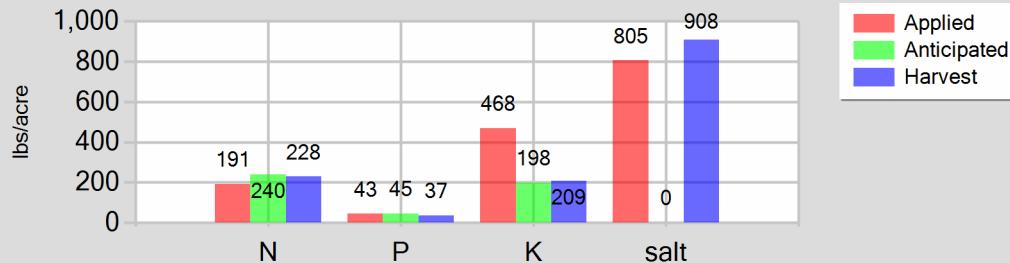
1-102 - 06/16/2023: Corn, silage

Field name: 1-102

Crop: Corn, silage

Plant date: 06/16/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	97.08	28.67	32.36	40.96
Process wastewater	85.36	14.66	435.45	532.53
Fresh water	1.39	0.00	0.00	231.59
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	190.83	43.33	467.80	805.08
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	228.42	36.55	208.62	907.59
Nutrient balance	-37.59	6.79	259.18	-102.51
Applied to removed ratio	0.84	1.19	2.24	0.89

Fresh water applied

42,738,000.00 gallons
1,573.90 acre-inches
20.44 inches/acre

Process wastewater applied

2,352,000.00 gallons
86.62 acre-inches
1.12 inches/acre

Total harvests for the crop

1 harvests

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

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

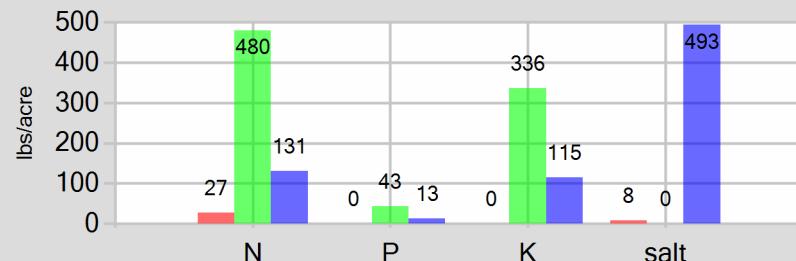
1-104 - 09/18/2020: Alfalfa, hay

Field name: 1-104

Crop: Alfalfa, hay

Plant date: 09/18/2020

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	75,786,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,790.94 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	36.72 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	13.23	0.00	0.00	8.32	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	27.23	0.00	0.00	8.32	
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00	
Actual crop nutrient removal	131.20	13.01	114.75	493.43	
Nutrient balance	-103.97	-13.01	-114.75	-485.10	
Applied to removed ratio	0.21	0.00	0.00	0.02	
Total harvests for the crop					1 harvests

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

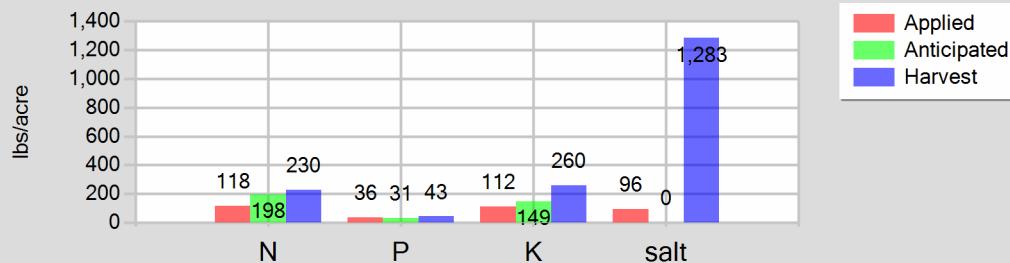
2-102 - 11/04/2022: Wheat, silage, soft dough

Field name: 2-102

Crop: Wheat, silage, soft dough

Plant date: 11/04/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	26,280,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	967.80 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	24.20 inches/acre
Dry manure	97.46	36.10	111.90	90.24	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	13.71	0.00	0.00	5.48	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	118.17	36.10	111.90	95.72	
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00	
Actual crop nutrient removal	229.76	43.08	260.28	1,283.43	
Nutrient balance	-111.59	-6.98	-148.38	-1,187.70	
Applied to removed ratio	0.51	0.84	0.43	0.07	
Total harvests for the crop					1 harvests

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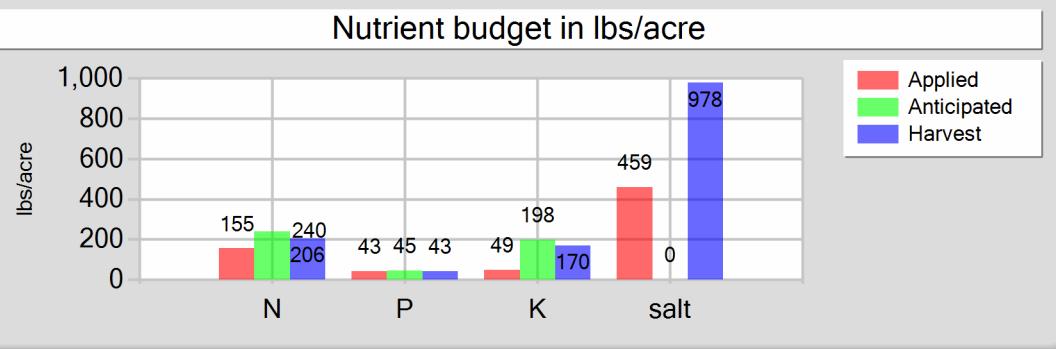
Reporting period 01/01/2023 to 12/31/2023.

2-102 - 06/06/2023: Corn, silage

Field name: 2-102

Crop: Corn, silage

Plant date: 06/06/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	145.61	43.01	48.54	61.44
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	2.39	0.00	0.00	398.06
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	155.00	43.01	48.54	459.50
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	205.72	43.10	170.45	977.64
Nutrient balance	-50.71	-0.09	-121.91	-518.14
Applied to removed ratio	0.75	1.00	0.28	0.47

Fresh water applied

38,160,000.00 gallons
1,405.30 acre-inches
35.13 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

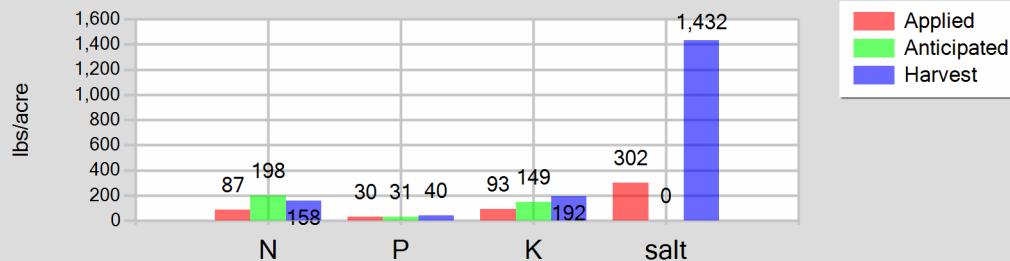
3-101 - 11/15/2022: Wheat, silage, soft dough

Field name: 3-101

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	20,682,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	761.65 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	20.04 inches/acre
Dry manure	81.22	30.08	93.25	75.20	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	1.36	0.00	0.00	227.09	
Atmospheric deposition	4.67	0.00	0.00	0.00	
Total nutrients applied	87.25	30.08	93.25	302.29	Process wastewater applied
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00	0.00 gallons
Actual crop nutrient removal	157.54	40.10	191.91	1,432.20	0.00 acre-inches
Nutrient balance	-70.30	-10.02	-98.67	-1,129.91	0.00 inches/acre
Applied to removed ratio	0.55	0.75	0.49	0.21	Total harvests for the crop
					1 harvests

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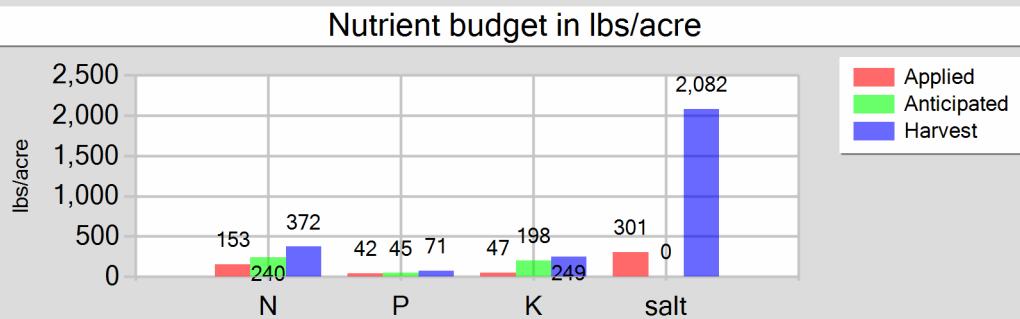
Reporting period 01/01/2023 to 12/31/2023.

3-101 - 06/13/2023: Corn, silage

Field name: 3-101

Crop: Corn, silage

Plant date: 06/13/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	141.78	41.88	47.26	59.82
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	1.45	0.00	0.00	241.32
Atmospheric deposition	9.33	0.00	0.00	0.00
Total nutrients applied	152.56	41.88	47.26	301.15
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	371.87	70.66	249.15	2,082.47
Nutrient balance	-219.31	-28.78	-201.89	-1,781.32
Applied to removed ratio	0.41	0.59	0.19	0.14

Fresh water applied

21,978,000.00 gallons
809.38 acre-inches
21.30 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

2 harvests

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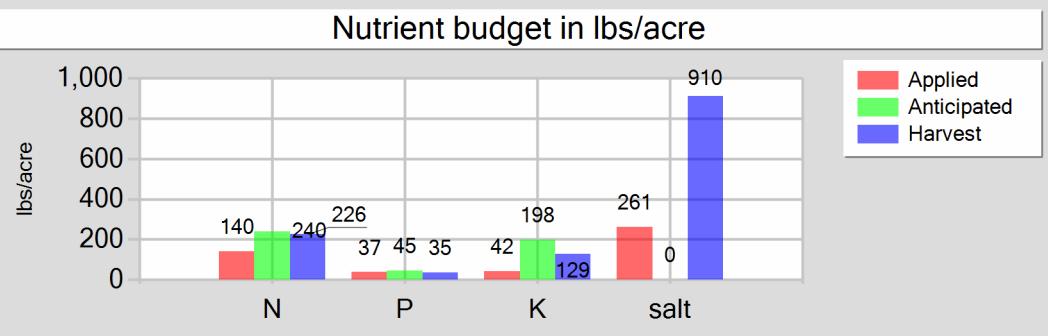
Reporting period 01/01/2023 to 12/31/2023.

3-102 - 04/21/2023: Corn, silage

Field name: 3-102

Crop: Corn, silage

Plant date: 04/21/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	17,496,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	644.32 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	18.41 inches/acre
Dry manure	124.81	36.86	41.60	52.66	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	1.25	0.00	0.00	208.58	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	140.06	36.86	41.60	261.24	
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	
Actual crop nutrient removal	225.76	35.28	128.76	910.11	
Nutrient balance	-85.70	1.59	-87.15	-648.87	
Applied to removed ratio	0.62	1.05	0.32	0.29	
Total harvests for the crop					1 harvests

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

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

NUTRIENT ANALYSES**A. MANURE ANALYSES****M43957-01 Valley Tech**

Sample and source description: M43957-01 Valley Tech

Sample date: 03/06/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.4 %

	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	10,800.00	4,000.00	12,400.00	0.01	0.01	0.01	0.01	0.01		1.00
DL	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01		1.00

M67207-01 Valley Tech

Sample and source description: M67207-01 Valley Tech

Sample date: 09/28/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 74.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	23,700.00	7,000.00	7,900.00	0.01	0.01	0.01	0.01	0.01		1.00
DL	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01		1.00

B. PROCESS WASTEWATER ANALYSES**L42246-01 Valley Tech**

Sample and source description: L42246-01 Valley Tech

Sample date: 01/26/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	268.00	133.00	0.00	0.00	75.70	674.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.84	3,220
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

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

L45331-01 Valley Tech

Sample and source description: L45331-01 Valley Tech

Sample date: 04/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	901.00	191.00	0.00	0.00	139.00	617.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.62	3,070
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

L63591-01 Valley Tech

Sample and source description: L63591-01 Valley Tech

Sample date: 08/30/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	168.00	92.70	0.00	0.00	33.50	2,030.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.71	1,800
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

L74159-01 Valley Tech

Sample and source description: L74159-01 Valley Tech

Sample date: 12/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	363.00	235.00	0.00	0.00	93.40	445.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.62	3,070
DL	10.00	2.00	2.00	2.00	0.20	0.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

C. FRESH WATER ANALYSES

AG-101

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

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

AG-101

23E2513-01 Dellavalle

Sample description: 23E2513-01 Dellavalle

Sample date: 05/31/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.20	0.00	2.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	170.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

AG-104

23E2513-02 Dellavalle

Sample description: 23E2513-02 Dellavalle

Sample date: 05/31/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	8.90	0.00	8.90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	275.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

AG-107

23F0555-01 Dellavalle

Sample description: 23F0555-01 Dellavalle

Sample date: 06/05/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.50	0.00	1.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	160.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

AG-202

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

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

AG-202

23E2513-02 Dellavalle

Sample description: 23E2513-02 Dellavalle

Sample date: 05/31/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.50	0.00	2.50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	167.00	1
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	1

AG-301

23F0553-01 Dellavalle

Sample description: 23F0553-01 Dellavalle

Sample date: 06/05/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	7.20	0.00	7.20	5.30	0.00	37.00	37.60	5.00	9.10	8.30	203.00	133
DL	0.10	0.10	0.10	0.10	0.10	1.00	5.00	1.00	0.50	0.20	10.00	10

Canal Lift 106

23E0705-01 Dellavalle 106 & 302 Same Canal Water

Sample description: 23E0705-01 Dellavalle 106 & 302 Same Canal Water

Sample date: 05/08/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.30	0.00	0.30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	67.90	50
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1

Canal Lift 302

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

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

Canal Lift 302

23E0705-01 Dellavalle

Sample description: 23E0705-01 Dellavalle

Sample date: 05/08/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.30	0.00	0.30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	67.90	50
DL	0.10	0.10	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	10

D. SOIL ANALYSES

1-103

11-01S71576 Valley Tech

Sample and source description: 11-01S71576 Valley Tech

Sample date: 11/01/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value	3.60	50.80	20.00	291.00	0.69	1.00	
DL	0.10	0.10	5.00	0.01	0.01	1.00	

2-102

11-01S71576 Valley Tech

Sample and source description: 11-01S71576 Valley Tech

Sample date: 11/01/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value	9.00	11.70	12.00	110.00	0.60	1.00	
DL	0.10	0.10	5.00	0.01	0.01	1.00	

3-101

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

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

3-101

06-06S52819 Valley Tech

Sample and source description: 06-06S52819 Valley TechSample date: 06/06/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value	6.10	19.80	20.00	160.00	1.00	1.00	
DL	1.00	1.00	5.00	1.00	1.00	1.00	

3-102

06-14S53991 Valley Tech

Sample and source description: 06-14S53991 Valley TechSample date: 06/14/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value	7.30	11.80	45.00	147.00	0.55	1.00	
DL	0.10	0.10	5.00	2.00	0.01	1.00	

E. PLANT TISSUE ANALYSES

1-101 - 11/12/2022: Wheat, silage, soft dough

H46619-01 Valley Tech

Sample and source description: H46619-01 Valley TechSample date: 04/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 67.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,800.00	2,700.00	22,400.00		7.83
DL	0.05	0.02	0.02		0.05

1-101 - 05/15/2023: Corn, silage

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

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

1-101 - 05/15/2023: Corn, silage

H62948-01 Valley Tech

Sample and source description: H62948-01 Valley Tech

Sample date: 08/24/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,900.00	2,200.00	10,400.00		5.31
DL	0.05	0.02	0.02		0.05

1-102 - 11/17/2022: Wheat, silage, soft dough

H50973-01 Valley Tech

Sample and source description: H50973-01 Valley Tech

Sample date: 05/21/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,400.00	4,900.00	31,200.00		10.90
DL	0.05	0.02	0.02		0.05

1-102 - 06/16/2023: Corn, silage

H65791-01 Valley Tech

Sample and source description: H65791-01 Valley Tech

Sample date: 09/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,000.00	2,400.00	13,700.00		5.96
DL	0.05	0.02	0.02		0.05

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

1-104 - 09/18/2020: Alfalfa, hay

H50160-01 Valley Tech

Sample and source description: H50160-01 Valley Tech

Sample date: 05/12/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 13.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	28,500.00	3,000.00	22,200.00		8.66
DL	0.05	0.02	0.02		0.05

H67418-01 Valley Tech

Sample and source description: H67418-01 Valley Tech

Sample date: 09/29/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 74.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	34,300.00	3,400.00	30,000.00		12.90
DL	0.05	0.02	0.02		0.05

2-102 - 11/04/2022: Wheat, silage, soft dough

50676 Valley Tech

Sample and source description: 50676 Valley Tech

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

Moisture: 64.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	2,400.00	14,500.00		7.15
DL	0.50	0.02	0.02		0.05

2-102 - 06/06/2023: Corn, silage

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

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

2-102 - 06/06/2023: Corn, silage

H66173-01 Valley Tech

Sample and source description: H66173-01 Valley Tech

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,500.00	2,200.00	8,700.00		4.99
DL	0.05	0.02	0.02		0.05

3-101 - 11/15/2022: Wheat, silage, soft dough

H51172-01 Valley Tech

Sample and source description: H51172-01 Valley Tech

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

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,000.00	2,800.00	13,400.00		10.00
DL	0.05	0.02	0.02		0.05

3-101 - 06/13/2023: Corn, silage

H66173-02 Valley Tech

Sample and source description: H66173-02 Valley Tech

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,000.00	1,900.00	6,700.00		5.60
DL	0.05	0.02	0.02		0.05

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

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

3-102 - 04/21/2023: Corn, silage

H60778-01 Valley Tech

Sample and source description: H60778-01 Valley Tech

Sample date: 08/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	2,000.00	7,300.00		5.16
DL	0.05	0.02	0.02		0.05

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

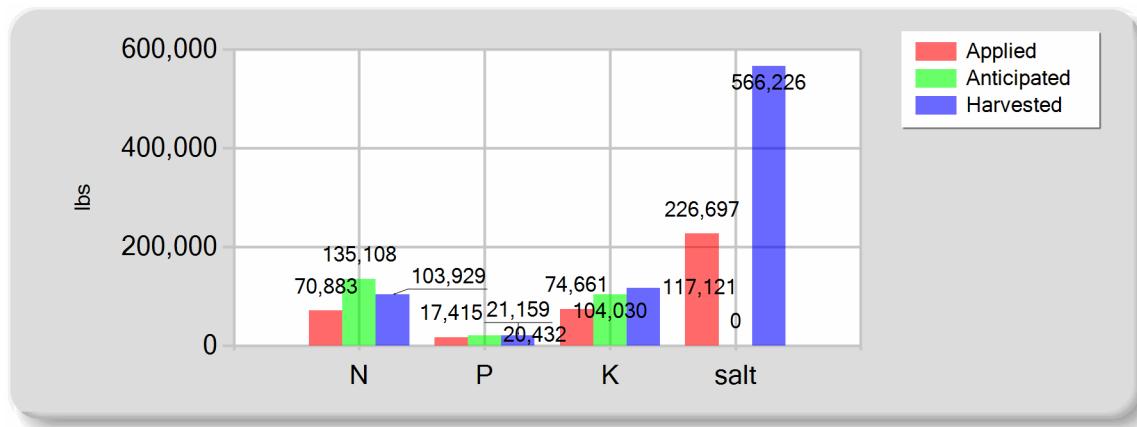
No subsurface (tile) drainage analyses entered.

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

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

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	42,360.77	13,504.64	24,906.94	24,545.60
Process wastewater	22,044.07	3,910.08	49,753.81	120,198.79
Fresh water	2,040.13	0.00	0.00	81,952.62
Atmospheric deposition	4,438.00	0.00	0.00	0.00
Total nutrients applied	70,882.96	17,414.72	74,660.75	226,697.02
Anticipated crop nutrient removal	135,108.00	20,431.80	104,030.40	0.00
Actual crop nutrient removal	103,928.95	21,158.75	117,121.46	566,226.45
Nutrient balance	-33,045.98	-3,744.03	-42,460.70	-339,529.44
Applied to removed ratio	0.68	0.82	0.64	0.40

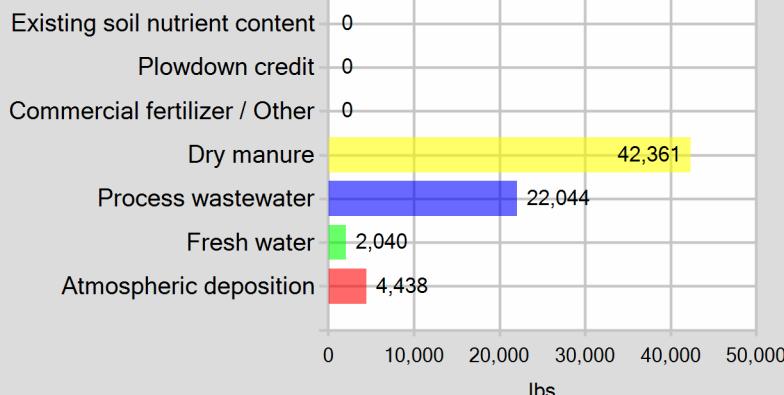
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

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

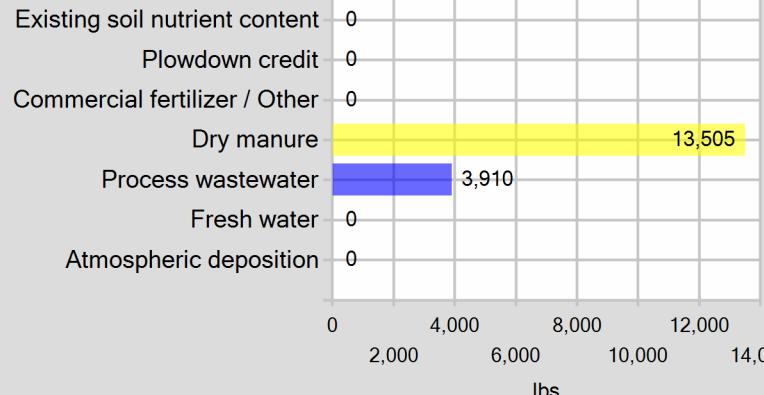
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

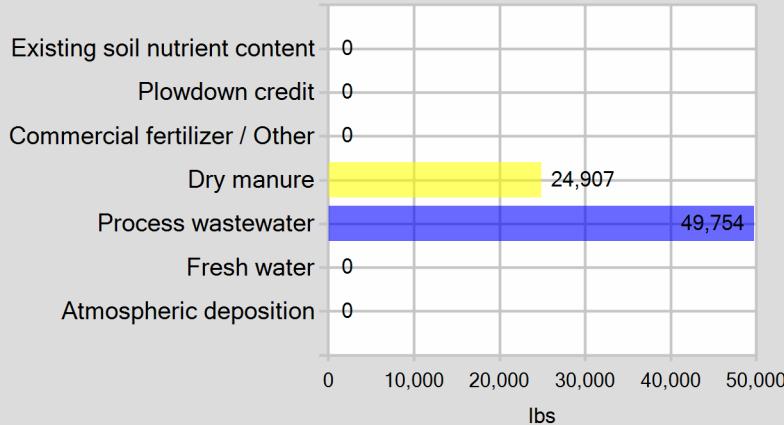
Pounds of nitrogen applied



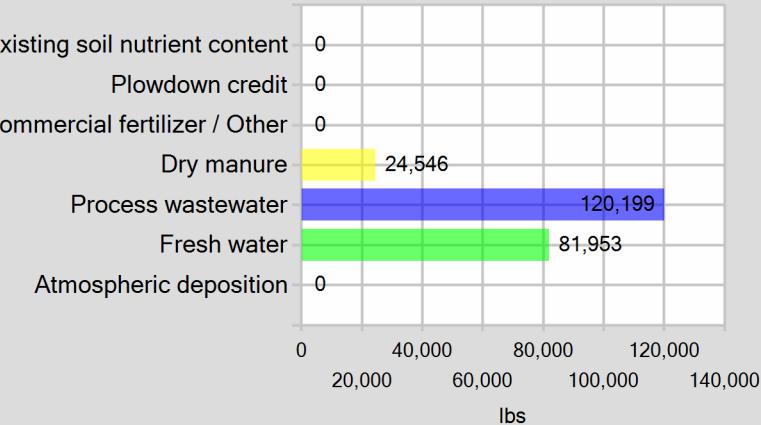
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

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

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

B. EXPORT AGREEMENT STATEMENT

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

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

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

ADDITIONAL NOTES

A. NOTES

- 1.) Please be advised a new set of maps were added to Geo March of 2023 to include APN # X149-X010-X011-XXXX Field #'s 3-101 & 3-102 also AG-301 Land rented by this facility. This was included as Map #4.
- 2.) Field #1-103 is currently planted in trees (Walnuts) this is a potential future land application area, irrigation events are available upon request.
- 3.) Well numbers 104 & 101 are run on the same line and are both Ag & Domestic wells.
- 4.) Field number 3-102 was one crop only during reporting period.
- 5.) Field number 1-101 Wheat had no Ag Water applied during this reporting period an event of 0.01 was entered just to satisfy the server.
- 6.) Please be advised Mr. John Mendoca's mother Linda Mendonca passed in June of 2022 Conservatorship of this property & facility has been solely placed in Mr. John Mendonca's name we have removed Linda C. Mendonca from future Annual reporting on this facility.
- 7.) All support stock has been removed from this facility and is now housing approximately 300 Goats. A new NMP is currently being revised to reflect changes.

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

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

SIGNATURE OF OWNER OF FACILITY

John Mendonca

PRINT OR TYPE NAME

SIGNATURE OF OPERATOR OF FACILITY

Oscar OR Suzanne Hernandez

PRINT OR TYPE NAME

DATE

DATE

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

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

CERTIFICATION

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SIGNATURE OF OWNER OF FACILITY

John Mendonca

PRINT OR TYPE NAME

3-4-2024

DATE



SIGNATURE OF OPERATOR OF FACILITY

Oscar OR Suzanne Hernandez

PRINT OR TYPE NAME

3-5-2024

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Groundwater Monitoring

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

Storm Water Monitoring

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



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E2513-01	101 Dom/Ag	Ag Water	John		05/31/2023 9:40
23E2513-02	104 Dom/Ag	Ag Water	John		05/31/2023 9:55
23E2513-03	202 Ag	Ag Water	John		05/31/2023 10:15

Default Cooler Temperature on Receipt °C: 0.7
Containers Intact
COC/Labels Agree

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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



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Tulare, CA 93274

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Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Sample Results

**Sample: 101 Dom/Ag
23E2513-01 (Water)**

Sampled: 5/31/2023 9:40

Sampled By: John

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.17	mmhos/cm	0.01	1		06/05/23 13:48	SM 2510 B		BEF0013
Electrical Conductivity umhos	170	umhos/cm	10.0	1		06/05/23 13:48	SM 2510 B		BEF0013
Ammonia (as N)	ND	mg/L	0.00	1		05/31/23 09:40	Field		BEF0002
Nitrate Nitrogen as NO3N	2.2	mg/L	0.1	1	10	06/01/23 13:46	EPA 300.0		BEF0009
pH	9.2	units	1.0	1		06/05/23 13:48	SM 4500-H+	H	BEF0013
Temperature	25.0	°C	0.0	1		06/05/23 13:48	SM 2510 B		BEF0013

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Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Sample Results

(Continued)

**Sample: 104 Dom/Ag
23E2513-02 (Water)**

Sampled: 5/31/2023 9:55

Sampled By: John

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.28	mmhos/cm	0.01	1		06/05/23 13:50	SM 2510 B		BEF0013
Electrical Conductivity umhos	275	umhos/cm	10.0	1		06/05/23 13:50	SM 2510 B		BEF0013
Ammonia (as N)	ND	mg/L	0.00	1		05/31/23 09:55	Field		BEF0002
Nitrate Nitrogen as NO3N	8.9	mg/L	0.1	1	10	06/01/23 14:07	EPA 300.0		BEF0009
pH	8.3	units	1.0	1		06/05/23 13:50	SM 4500-H+	H	BEF0013
Temperature	25.0	°C	0.0	1		06/05/23 13:50	SM 2510 B		BEF0013

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Sample Results
(Continued)

Sample: 202 Ag
23E2513-03 (Water)

Sampled: 5/31/2023 10:15

Sampled By: John

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.17	mmhos/cm	0.01	1		06/05/23 13:51	SM 2510 B		BEF0013
Electrical Conductivity umhos	167	umhos/cm	10.0	1		06/05/23 13:51	SM 2510 B		BEF0013
Ammonia (as N)	ND	mg/L	0.00	1		05/31/23 10:15	Field		BEF0002
Nitrate Nitrogen as NO3N	2.5	mg/L	0.1	1	10	06/01/23 14:28	EPA 300.0		BEF0009
pH	8.4	units	1.0	1		06/05/23 13:51	SM 4500-H+	H	BEF0013
Temperature	25.0	°C	0.0	1		06/05/23 13:51	SM 2510 B		BEF0013

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Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0009									
Blank (BEF0009-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 6/1/2023				
Blank (BEF0009-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 6/1/2023				
Blank (BEF0009-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 6/1/2023				
LCS (BEF0009-BS1)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	97.9	90-110			
LCS (BEF0009-BS2)									
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	99.5	90-110			
Duplicate (BEF0009-DUP1)									
Nitrate Nitrogen as NO3N	9.2	0.1	mg/L	8.9			2.59	10	
Duplicate (BEF0009-DUP2)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.2			0.0777	10	
Matrix Spike (BEF0009-MS1)									
Nitrate Nitrogen as NO3N	14.0	0.1	mg/L	5.000	8.9	101	90-110		
Matrix Spike (BEF0009-MS2)									
Nitrate Nitrogen as NO3N	10.2	0.1	mg/L	5.000	5.2	100	90-110		
Reference (BEF0009-SRM1)									
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.8	90-110		
Reference (BEF0009-SRM2)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Reference (BEF0009-SRM3)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		

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Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0013									
Blank (BEF0013-BLK1)									
Prepared & Analyzed: 6/5/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.5	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEF0013-BLK2)									
Prepared & Analyzed: 6/5/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.2	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEF0013-BLK3)									
Prepared & Analyzed: 6/5/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	6.6	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEF0013-DUP1)									
Source: 23F0326-02 Prepared: 6/1/2023 Analyzed: 6/5/2023									
Electrical Conductivity	1.51	0.01	mmhos/cm		1.52		0.370	10	
pH	7.6	1.0	units		7.6		0.00	10	
Electrical Conductivity umhos	1510	10.0	umhos/cm		1520		0.370	10	
Duplicate (BEF0013-DUP2)									
Source: 23F0339-01 Prepared: 6/1/2023 Analyzed: 6/5/2023									
Electrical Conductivity	4.51	0.01	mmhos/cm		4.62		2.47	10	
pH	6.8	1.0	units		6.8		0.00	10	
Electrical Conductivity umhos	4510	10.0	umhos/cm		4620		2.47	10	
Reference (BEF0013-SRM1)									
Prepared: 6/1/2023 Analyzed: 6/5/2023									
Electrical Conductivity	555		umhos/cm	538.0		103	90-110		
Reference (BEF0013-SRM2)									
Prepared: 6/1/2023 Analyzed: 6/5/2023									
pH	7.8		units	7.790		100	.7163-101.28		
Reference (BEF0013-SRM3)									
Prepared: 6/1/2023 Analyzed: 6/5/2023									
Electrical Conductivity	1030		umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030		umhos/cm	1000		103	90-110		
Reference (BEF0013-SRM4)									
Prepared: 6/1/2023 Analyzed: 6/5/2023									
Electrical Conductivity	1040		umhos/cm	1000		104	90-110		
Electrical Conductivity umhos	1040		umhos/cm	1000		104	90-110		
Reference (BEF0013-SRM5)									
Prepared: 6/1/2023 Analyzed: 6/5/2023									
Electrical Conductivity	1040		umhos/cm	1000		104	90-110		

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/01/2023 7:38
Reported: 06/06/2023 10:15

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0013 (Continued)									
Reference (BEF0013-SRM5)									
Electrical Conductivity umhos	1040		umhos/cm	1000	104	90-110			
Reference (BEF0013-SRM6)									
pH	4.0		units	4.000	100	97.5-102.5			
Reference (BEF0013-SRM7)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEF0013-SRM8)									
pH	4.0		units	4.000	100	97.5-102.5			

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06/01/23 07:38

23E2513

MM

WATER WORK REQUEST

Acct No. 24349 Cons. 8

Bill To:

Purchase Order No. _____ Results Needed By _____

Client **Roxey J Avila**
 Address 740 S. Kazarian Street
 City, State, Zip Tulare, CA 93274
 Phone (559) 786-4683 Fax _____
 Cell/Email goroxey@yahoo.com

Copy to _____

Requested by **Roxey**Ranch **Supreme Farms (Mendonca)**Date sampled **5-31-23**Sampled by **John**

[X] QA/QC Document [X] Copy of Chain [] RWQCB

DESCRIPTION OF SAMPLES

- | | |
|----------------------|---------------|
| 1. 101 Dom AG | Sampled From: |
| 2. 104 Dom AG | Sampled From: |
| 3. 202 AG | Sampled From: |
| 4. | Sampled From: |
| 5. | Sampled From: |
| 6. | Sampled From: |
| 7. | Sampled From: |
| 8. | Sampled From: |
| 9. | Sampled From: |
| 10. | Sampled From: |

DELLALVILLE LABORATORY, INC.

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

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

No. of Samples	No. Bottles
<input checked="" type="checkbox"/> Ag Water	[] Drinking [] Wastewater
<input type="checkbox"/> Supply Water	[] Ground Water [] Mon. Well
	[] Other

Analysis and Bottles Required: (Please Indicate Analysis)

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

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
5-31-23	9:40A	45'	58/10.7
5-31-23	9:55A	110'	69/2.3
5-31-23	10:15A	101'	68/10.9

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	R. Amato			05/31/23 11:29AM
Second	Roxey J Avila	DLI	05/31/23 11:29AM	
Third	John Gobea	Paus	5-31-23 1830	
Fourth	mm	DLI	6/1/23 7:38	

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

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

Invoicing Information:

Shipping		
Sampling Hrs	Miles	Consulting
\$ 	In	
\$ 	Out	
Amt Paid	Rec By	Check No.
Date 		

Signature _____

Sample received in cooler with ice?

[] Yes [] No

mg: update 2022

IR Thermometer SN: 200560723

Correction Factor: 0°C

Calibration Due: 6/30/2023

Location: Laboratory

IR Thermometer SN: 23

Correction Factor: 0°C

Calibration Due: 6/30/2023

Location: Hanford Office



Shipping Information: Shipped In Picked-Up Walk In DLI Sampler Other

Samples refrigerated before pick up Picked up samples placed in Ice chest

Container: Ice Chest Box None

Refrigerant: Wet Ice Blue Ice None

Samples Preserved with HNO₃ or H₂SO₄ were: Received Preserved Preserved Upon Receipt at Laboratory

Type of Container(s) Received

Sample Number

1 2 3 4 5 6 7 8 9 10

Sample Containers for Internal (DLI) Use

(Containers that go into the Lab)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
	1 L unpreserved (White) Plastic	1	1	1						
Special	1 L unpreserved (BOD) (Purple) Plastic									
	500mL unpreserved (White) Glass									
	PO4-P Kit									
Other:										

Sample Containers for Subcontracted ("Send Out") Analyses

(Containers that go in the Subcontract ("Send Out") Refrigerator)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO ₃ (Red)									

VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									

Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									

Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									
	DO KIT									
	Other:									
	Other:									



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/08/2023 11:10

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23F0555-01	AG - 107	Ag Water	John		06/05/2023 13:00

Default Cooler Temperature on Receipt °C: 10.9
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/08/2023 11:10

Sample Results

Sample: AG - 107
23F0555-01 (Water)

Sampled: 6/5/2023 13:00

Sampled By: John

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.16	mmhos/cm	0.01	1		06/07/23 11:08	SM 2510 B		BEF0192
Electrical Conductivity umhos	160	umhos/cm	10.0	1		06/07/23 11:08	SM 2510 B		BEF0192
Ammonia (as N)	ND	mg/L	0.00	1		06/05/23 13:00	Field		BEF0172
Nitrate Nitrogen as NO3N	1.5	mg/L	0.1	1	10	06/06/23 14:38	EPA 300.0		BEF0179
pH	9.5	units	1.0	1		06/07/23 11:08	SM 4500-H+	H	BEF0192
Temperature	25.0	°C	0.0	1		06/07/23 11:08	SM 2510 B		BEF0192

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/08/2023 11:10

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0179									
Blank (BEF0179-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 6/6/2023				
Blank (BEF0179-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 6/6/2023				
Blank (BEF0179-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 6/6/2023 Analyzed: 6/7/2023				
LCS (BEF0179-BS1)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	98.5	90-110			
LCS (BEF0179-BS2)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	102	90-110			
Duplicate (BEF0179-DUP1)									
Nitrate Nitrogen as NO3N	1.5	0.1	mg/L	1.5			1.53	10	
Duplicate (BEF0179-DUP2)									
Nitrate Nitrogen as NO3N	9.2	0.1	mg/L	9.2			0.566	10	
Matrix Spike (BEF0179-MS1)									
Nitrate Nitrogen as NO3N	6.7	0.1	mg/L	5.000	1.5	104	90-110		
Matrix Spike (BEF0179-MS2)									
Nitrate Nitrogen as NO3N	14.4	0.1	mg/L	5.000	9.2	104	90-110		
Reference (BEF0179-SRM1)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00		101	90-110		
Reference (BEF0179-SRM2)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		
Reference (BEF0179-SRM3)									
Nitrate Nitrogen as NO3N	10.3		mg/L	10.00		103	90-110		

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/08/2023 11:10

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0192									
Blank (BEF0192-BLK1)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.4	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEF0192-BLK2)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.2	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEF0192-BLK3)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.2	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEF0192-DUP1)									
Source: 23F0461-02 Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	0.41	0.01	mmhos/cm		0.41		1.30	10	
pH	7.3	1.0	units		7.4		1.23	10	
Electrical Conductivity umhos	405	10.0	umhos/cm		410		1.30	10	
Duplicate (BEF0192-DUP2)									
Source: 23F0587-01 Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	1.74	0.01	mmhos/cm		1.69		2.92	10	
pH	7.1	1.0	units		7.2		0.280	10	
Electrical Conductivity umhos	1740	10.0	umhos/cm		1690		2.92	10	
Reference (BEF0192-SRM1)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	558		umhos/cm	538.0		104	90-110		
Reference (BEF0192-SRM2)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
pH	7.9		units	7.790		101	.7163-101.28		
Reference (BEF0192-SRM3)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	1040		umhos/cm	1000		104	90-110		
Electrical Conductivity umhos	1040		umhos/cm	1000		104	90-110		
Reference (BEF0192-SRM4)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	1040		umhos/cm	1000		104	90-110		
Electrical Conductivity umhos	1040		umhos/cm	1000		104	90-110		
Reference (BEF0192-SRM5)									
Prepared: 6/6/2023 Analyzed: 6/7/2023									
Electrical Conductivity	1050		umhos/cm	1000		105	90-110		

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/08/2023 11:10

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0192 (Continued)									
Reference (BEF0192-SRM5)									
Electrical Conductivity umhos	1050		umhos/cm	1000		105	90-110		
Reference (BEF0192-SRM6)									
pH	4.0		units	4.000		101	97.5-102.5		
Reference (BEF0192-SRM7)									
pH	4.0		units	4.000		101	97.5-102.5		
Reference (BEF0192-SRM8)									
pH	4.0		units	4.000		101	97.5-102.5		

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06/06/23 07:15

23F0555

WATER WORK REQUEST

Bill To: Acct No. Cons.

Purchase Order No. Results Needed By

Client **Roxey J Avila**
 Address 740 S. Kazarian Street
 City, State, Zip Tulare, CA 93274
 Phone (559) 786-4683 Fax
 Cell/Email goroxey@yahoo.com

Copy to Requested by **Roxey**Ranch **Supreme Farms (Mendonca)**Date sampled **6-5-23**Sampled by **John**

QA/QC Document Copy of Chain RWQCB

DESCRIPTION OF SAMPLES

1. **AG-107** Sampled From:
 2. Sampled From:
 3. Sampled From:
 4. Sampled From:
 5. Sampled From:
 6. Sampled From:
 7. Sampled From:
 8. Sampled From:
 9. Sampled From:
 10. **Sampled From:**

Temperature Upon Receipt
 Hanford (°C): **10.9**
 Laboratory (°C): **0.3**

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	R. Avila			6/5/23 2:09 pm
Second	R. Avila	DLI	6/5/23 2:09 pm	
Third	MM	DLI	6/6/23 7:15	
Fourth				

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

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

Invoicing Information:

Shipping				
Sampling Hrs	Miles	Consulting	\$	In
<input type="text"/>				
<input type="text"/>				
<input type="text"/>				
Amt Paid	Rec By	Check No.	Date	

Signature

Sample received in cooler with ice?

[] Yes [] No

mg: update 2022

IR Thermometer SN: 221314362
 Correction Factor: 0°C
 Calibration Due: 6/30/2023
 Location: Hanford Office

IR Thermometer SN: 200560723
 Correction Factor: 0°C
 Calibration Due: 6/30/2023
 Location: Laboratory

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



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23F0553-01	AG - 301	Ag Water	John		06/05/2023 13:15

Default Cooler Temperature on Receipt °C: 11.4
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Sample Results

Sample: AG - 301
23F0553-01 (Water)

Sampled: 6/5/2023 13:15

Sampled By: John

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	42.5	mg/L	10.0	1		06/07/23 15:37	SM 2320 B		BEF0136
Calcium	5.3	mg/L	0.1	1		06/09/23 10:34	EPA 200.7		BEF0185
Chloride	8.3	mg/L	0.2	1	250	06/06/23 16:17	EPA 300.0		BEF0178
Carbonate as CaCO3	5	mg/L	1	1		06/07/23 15:37	SM 2320 B		BEF0136
Electrical Conductivity	0.20	mmhos/cm	0.01	1		06/07/23 15:37	SM 2510 B		BEF0136
Electrical Conductivity umhos	203	umhos/cm	10.0	1		06/07/23 15:37	SM 2510 B		BEF0136
Bicarbonate as CaCO3	37.6	mg/L	5.00	1		06/07/23 15:37	SM 2320 B		BEF0136
Potassium	ND	mg/L	0.500	1		06/09/23 10:34	EPA 200.7		BEF0185
Magnesium	ND	mg/L	0.1	1		06/09/23 10:34	EPA 200.7		BEF0185
Sodium	37	mg/L	1	1		06/09/23 10:34	EPA 200.7		BEF0185
Ammonia (as N)	ND	mg/L	0.00	1		06/05/23 13:15	Field		BEF0169
Nitrate Nitrogen as NO3N	7.2	mg/L	0.1	1	10	06/06/23 16:17	EPA 300.0		BEF0178
Hydroxide as CaCO3	ND	mg/L	1.00	1		06/07/23 15:37	SM 2320 B		BEF0136
pH	9.0	units	1.0	1		06/07/23 15:37	SM 4500-H+	H	BEF0136
Sulfate (SO4)	9.1	mg/L	0.5	1	250	06/06/23 16:17	EPA 300.0		BEF0178
Total Filterable Solids (TDS)	133	mg/L	10.0	1		06/13/23 15:19	SM 2540 C		BEF0230

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Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0136									
Blank (BEF0136-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm						
Hydroxide as CaCO3	ND	1.00	mg/L						
Alkalinity as CaCO3	ND	10.0	mg/L						
Carbonate as CaCO3	ND	1	mg/L						
pH	5.4	1.0	units						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEF0136-BLK3)									
Hydroxide as CaCO3	ND	1.00	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Carbonate as CaCO3	ND	1	mg/L						
Alkalinity as CaCO3	ND	10.0	mg/L						
pH	5.0	1.0	units						
Bicarbonate as CaCO3	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEF0136-DUP2)									
		Source: 23F0643-01			Prepared: 6/5/2023	Analyzed: 6/7/2023			
pH	7.0	1.0	units		7.0		0.856	10	
Carbonate as CaCO3	ND	1	mg/L		ND			10	
Alkalinity as CaCO3	117	10.0	mg/L		118		1.36	10	
Hydroxide as CaCO3	ND	1.00	mg/L		ND			10	
Electrical Conductivity	0.45	0.01	mmhos/cm		0.45		0.110	10	
Electrical Conductivity umhos	453	10.0	umhos/cm		454		0.110	10	
Reference (BEF0136-SRM1)									
Electrical Conductivity	561		umhos/cm	538.0		104	90-110		
Alkalinity as CaCO3	40.7		mg/L	40.60		100	90-110		
Reference (BEF0136-SRM3)									
Electrical Conductivity	585		umhos/cm	538.0		109	90-110		
Alkalinity as CaCO3	39.6		mg/L	40.60		97.4	90-110		
Reference (BEF0136-SRM4)									
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEF0136-SRM6)									
pH	4.1		units	4.000		102	97.5-102.5		
Reference (BEF0136-SRM7)									
pH	8.0		units	7.790		103	.7163-101.28		

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Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0178									
Blank (BEF0178-BLK1)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 6/6/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
Blank (BEF0178-BLK2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 6/6/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
Blank (BEF0178-BLK3)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 6/7/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
LCS (BEF0178-BS1)									
Chloride 4.8 0.2 mg/L Prepared & Analyzed: 6/6/2023									
Nitrate Nitrogen as NO3N 4.9 0.1 mg/L									
Sulfate (SO4) 4.6 0.5 mg/L									
LCS (BEF0178-BS2)									
Chloride 4.8 0.2 mg/L Prepared & Analyzed: 6/7/2023									
Nitrate Nitrogen as NO3N 5.0 0.1 mg/L									
Sulfate (SO4) 4.6 0.5 mg/L									
Duplicate (BEF0178-DUP1)									
Chloride 8.4 0.2 mg/L Prepared & Analyzed: 6/6/2023									
Nitrate Nitrogen as NO3N 7.2 0.1 mg/L									
Sulfate (SO4) 9.2 0.5 mg/L									
Duplicate (BEF0178-DUP2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 6/7/2023									
Nitrate Nitrogen as NO3N 2.6 0.1 mg/L									
Sulfate (SO4) 0.8 0.5 mg/L									
Matrix Spike (BEF0178-MS1)									
Chloride 13.2 0.2 mg/L Prepared & Analyzed: 6/6/2023									
Nitrate Nitrogen as NO3N 12.1 0.1 mg/L									
Sulfate (SO4) 14.1 0.5 mg/L									
Matrix Spike (BEF0178-MS2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 6/7/2023									
Nitrate Nitrogen as NO3N 7.5 0.1 mg/L									
Sulfate (SO4) 5.4 0.5 mg/L									

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Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0178 (Continued)									
Reference (BEF0178-SRM1)									
Chloride	12.2		mg/L	12.51	97.7	90-110			
Nitrate Nitrogen as NO ₃ N	9.9		mg/L	10.00	98.6	90-110			
Sulfate (SO ₄)	9.6		mg/L	10.01	96.0	90-110			
Reference (BEF0178-SRM2)									
Chloride	12.3		mg/L	12.51	98.1	90-110			
Nitrate Nitrogen as NO ₃ N	9.9		mg/L	10.00	98.9	90-110			
Sulfate (SO ₄)	9.6		mg/L	10.01	95.6	90-110			
Reference (BEF0178-SRM3)									
Chloride	12.3		mg/L	12.51	98.0	90-110			
Nitrate Nitrogen as NO ₃ N	9.9		mg/L	10.00	98.8	90-110			
Sulfate (SO ₄)	9.6		mg/L	10.01	95.8	90-110			

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Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0185									
Blank (BEF0185-BLK1)									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Potassium	ND	0.500	mg/L						
Calcium	ND	0.1	mg/L						
Sodium	ND	1	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEF0185-BLK2)									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Calcium	ND	0.1	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEF0185-BS1)									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Sodium	39	1	mg/L	35.71	108	90-110			
Calcium	39.0	0.1	mg/L	35.71	109	90-110			
Potassium	37.7	0.500	mg/L	35.71	106	90-110			
Magnesium	39.0	0.1	mg/L	35.71	109	90-110			
LCS (BEF0185-BS2)									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Potassium	36.7	0.500	mg/L	35.71	103	90-110			
Sodium	38	1	mg/L	35.71	105	90-110			
Calcium	38.0	0.1	mg/L	35.71	106	90-110			
Magnesium	38.0	0.1	mg/L	35.71	106	90-110			
Duplicate (BEF0185-DUP1)									
Source: 23F0553-01									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Potassium	ND	0.500	mg/L	0.408					15
Calcium	5.2	0.1	mg/L	5.3				2.75	15
Sodium	38	1	mg/L	37				2.96	15
Magnesium	ND	0.1	mg/L	ND					15
Matrix Spike (BEF0185-MS1)									
Source: 23F0553-01									
Prepared & Analyzed: 6/9/2023									
Potassium	36.4	0.500	mg/L	35.71	0.408	101	90-110		
Calcium	42.6	0.1	mg/L	35.71	5.3	104	90-110		
Sodium	74	1	mg/L	35.71	37	105	90-110		
Magnesium	37.2	0.1	mg/L	35.71	ND	104	90-110		
Matrix Spike (BEF0185-MS2)									
Source: 23F0822-01									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Sodium	182	1	mg/L	35.71	145	105	90-110		
Potassium	38.9	0.500	mg/L	35.71	1.22	106	90-110		
Calcium	53.3	0.1	mg/L	35.71	14.2	109	90-110		
Magnesium	49.9	0.1	mg/L	35.71	11.4	108	90-110		
Reference (BEF0185-SRM2)									
Prepared: 6/6/2023 Analyzed: 6/9/2023									
Sodium	94		mg/L	91.50		103	90-110		

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Ranch: Supreme Farms (Mendonca)

Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0185 (Continued)									
Reference (BEF0185-SRM2)									
Potassium	21.8		mg/L	21.90	99.5	90-110			
Reference (BEF0185-SRM3)									
Calcium	83.1		mg/L	79.00	105	90-110			
Magnesium	30.9		mg/L	30.60	101	90-110			

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Received: 06/06/2023 7:15
Reported: 06/15/2023 08:32

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEF0230									
Blank (BEF0230-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 6/6/2023 Analyzed: 6/13/2023				
LCS (BEF0230-BS1)									
Total Filterable Solids (TDS)	18.8	10.0	mg/L	2000	Prepared: 6/6/2023 Analyzed: 6/13/2023	0.938	0-200		
Duplicate (BEF0230-DUP1)									
Total Filterable Solids (TDS)	1840	10.0	mg/L		Prepared: 6/6/2023 Analyzed: 6/13/2023	1840		0.00	5
Duplicate (BEF0230-DUP2)									
Total Filterable Solids (TDS)	3080	10.0	mg/L	3060	Prepared: 6/6/2023 Analyzed: 6/13/2023			0.651	5
Reference (BEF0230-SRM1)									
Total Filterable Solids (TDS)	313		mg/L	325.0	Prepared: 6/6/2023 Analyzed: 6/13/2023	96.4	90-110		

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06/06/23 07:15

23F0553

159

WATER WORK REQUEST

Bill To:	Acct No.	24349	Cons.	8
----------	----------	-------	-------	---

Purchase Order No. _____ Results Needed By _____

Client **Roxey J Avila**
 Address 740 S. Kazarian Street
 City, State, Zip Tulare, CA 93274
 Phone (559) 786-4683 Fax
 Cell/Email goroxey@yahoo.com

Copy to _____

Requested by RoxeyRanch **Supreme Farms (Mendonca)**Date sampled 6-5-23Sampled by John

[X] QA/QC Document [X] Copy of Chain [] RWQCB

DESCRIPTION OF SAMPLES

1. <u>A6 - 301</u>	Sampled From:	
2.	Sampled From:	
3.	Sampled From:	
4.	Sampled From:	
5.	Sampled From:	
6.	Sampled From:	
7.	Sampled From:	
8.	Sampled From:	
9.	Sampled From:	
10.	Sampled From:	Temperature Upon Receipt Hanford (°C): <u>11.4</u> Laboratory (°C): <u>0.2</u>

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>R. Amala</u>			<u>6/5/23 2:09 pm</u>
Second	<u>VPP</u>	DU	<u>6/5/23 2:09 pm</u>	
Third	<u>MM</u>	DLI	<u>6/6/23 7:15</u>	
Fourth				

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

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

Invoicing Information:

Shipping				
Sampling Hrs	Miles	Consulting	\$	In
				Out
Amt Paid	Rec By	Check No.	Date	

Signature _____

Sample received in cooler with ice?

[] Yes [] No

mg.update 2022

 IR Thermometer SN: 221314362
 Correction Factor: 0°C
 Calibration Due: 6/30/2023
 Location: Hanford Office

 IR Thermometer SN: 200560723
 Correction Factor: 0°C
 Calibration Due: 6/30/2023
 Location: Laboratory

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



Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:23

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E0705-01	Canal Lift Pump 106	Ag Water	Justin		05/08/2023 8:00

Default Cooler Temperature on Receipt °C: 9.9
Custody Seals
Containers Intact
COC/Labels Agree

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Roxey J Avila
740 S. Kazarian St.
Tulare, CA 93274

Account# 00-0024349
Account Manager: Ben Nydam
Submitted By: Roxey
Ranch: Supreme Farms (Mendonca)

Received: 05/09/2023 7:50
Reported: 05/30/2023 12:23

Sample Results

**Sample: Canal Lift Pump 106
23E0705-01 (Water)**

Sampled: 5/8/2023 8:00

Sampled By: Justin

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.07	mmhos/cm	0.01	1		05/11/23 13:23	SM 2510 B		BEE0294
Electrical Conductivity umhos	67.9	umhos/cm	10.0	1		05/11/23 13:23	SM 2510 B		BEE0294
Nitrate Nitrogen as NO3N	0.3	mg/L	0.1	1	10	05/09/23 19:28	EPA 300.0		BEE0285
pH	7.5	units	1.0	1		05/11/23 13:23	SM 4500-H+	H	BEE0294
Total Filterable Solids (TDS)	50.0	mg/L	10.0	1		05/26/23 14:01	SM 2540 C		BEE0919
Temperature	25.0	°C	0.0	1		05/11/23 13:23	SM 2510 B		BEE0294

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Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0285									
Blank (BEE0285-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 5/9/2023				
Blank (BEE0285-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 5/9/2023				
LCS (BEE0285-BS1)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	103	90-110			
Duplicate (BEE0285-DUP1)									
Nitrate Nitrogen as NO3N	0.3	0.1	mg/L	0.3			0.317	10	
Matrix Spike (BEE0285-MS1)									
Nitrate Nitrogen as NO3N	5.6	0.1	mg/L	5.000	0.3	105	90-110		
Reference (BEE0285-SRM1)									
Nitrate Nitrogen as NO3N	10.4		mg/L	10.00	104	90-110			
Reference (BEE0285-SRM2)									
Nitrate Nitrogen as NO3N	10.4		mg/L	10.00	104	90-110			

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0294									
Blank (BEE0294-BLK1)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.5	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEE0294-BLK2)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.6	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEE0294-BLK3)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.7	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Duplicate (BEE0294-DUP1)									
Source: 23E0030-01									
Prepared & Analyzed: 5/11/2023									
pH	7.4	1.0	units		7.4		0.404	10	
Electrical Conductivity	0.54	0.01	mmhos/cm		0.55		2.04	10	
Electrical Conductivity umhos	540	10.0	umhos/cm		551		2.04	10	
Duplicate (BEE0294-DUP2)									
Source: 23E0703-01									
Prepared & Analyzed: 5/11/2023									
pH	7.6	1.0	units		7.6		0.393	10	
Electrical Conductivity	0.07	0.01	mmhos/cm		0.07		0.447	10	
Electrical Conductivity umhos	67.0	10.0	umhos/cm		67.3		0.447	10	
Reference (BEE0294-SRM1)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	569		umhos/cm		538.0	106	90-110		
Reference (BEE0294-SRM2)									
Prepared & Analyzed: 5/11/2023									
pH	7.8		units		7.790	99.9	.7163-101.28		
Reference (BEE0294-SRM3)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	1060		umhos/cm		1000	106	90-110		
Electrical Conductivity umhos	1060		umhos/cm		1000	106	90-110		
Reference (BEE0294-SRM4)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	1060		umhos/cm		1000	106	90-110		
Electrical Conductivity umhos	1060		umhos/cm		1000	106	90-110		
Reference (BEE0294-SRM5)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity	1070		umhos/cm		1000	107	90-110		

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0294 (Continued)									
Reference (BEE0294-SRM5)									
Electrical Conductivity umhos	1070		umhos/cm	1000	107	100	90-110		
Reference (BEE0294-SRM6)									
pH	4.0		units	4.000	100	100	97.5-102.5		
Reference (BEE0294-SRM7)									
pH	4.0		units	4.000	100	100	97.5-102.5		
Reference (BEE0294-SRM8)									
pH	4.0		units	4.000	99.8	99.8	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0919									
Blank (BEE0919-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 5/24/2023 Analyzed: 5/26/2023				
LCS (BEE0919-BS1)									
Total Filterable Solids (TDS)	23.8	10.0	mg/L	2000	Prepared: 5/24/2023 Analyzed: 5/26/2023	1.19	0-200		
Duplicate (BEE0919-DUP1)									
Total Filterable Solids (TDS)	50.0	10.0	mg/L		Prepared: 5/24/2023 Analyzed: 5/26/2023	50.0		0.00	5
Reference (BEE0919-SRM1)									
Total Filterable Solids (TDS)	330		mg/L	325.0	Prepared: 5/24/2023 Analyzed: 5/26/2023	102	90-110		

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05/09/23 07:50

23E0705

WATER WORK REQUEST

Bill To:	Acct No.	Cons.
	24349	8

Purchase Order No. _____ Results Needed By _____

Client **Roxey J Avila**
 Address **1000 Rankin Ave 7405 Kazanian**
 City, State, Zip **Tulare, CA 93274**
 Phone **(559) 786-4683** Fax **_____**
 Cell/Email **goroxey@yahoo.com**

Copy to _____

Requested by **Roxey**Ranch **Supreme Farms (Mendonca)**Date sampled **5-8-23**Sampled by **Quotin**

[X] QA/QC Document [X] Copy of Chain [] RWQCB

DESCRIPTION OF SAMPLES

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

CHAIN OF CUSTODY				
Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	JOSH TEIXEIRA	HDS	5/8/23 8:00 AM	5/8/23 10:42 AM
Second	Upp	DU	5/8/23 10:42 AM	
Third	AT	OTC	5/9 0900 d	
Fourth				

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

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

Invoicing Information:**Shipping**

Sampling Hrs	Miles	Consulting	\$	In
Amt Paid	Rec By	Check No.	Date	Out

Signature _____

Sample received in cooler with ice?

[] Yes [] No

mg:updated 2022



05/09/23 07:50

23E0705

Shipping Information: Shipped In Picked-Up Walk In DLI Sampler Other

Samples refrigerated before pick up Picked up samples placed in ice chest

Container: Ice Chest Box None

Refrigerant: Wet Ice Blue Ice None

Samples Preserved with HNO₃ or H₂SO₄ were: Received Preserved Preserved Upon Receipt at Laboratory

Type of Container(s) Received	Sample Number									
	1	2	3	4	5	6	7	8	9	10

Sample Containers for Internal (DLI) Use

(Containers that go into the Lab)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
Special	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									

Sample Containers for Subcontracted ("Send Out") Analyses

(Containers that go in the Subcontract ("Send Out") Refrigerator)

Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	500 mL HNO ₃ (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
VOA Vials	1 L HNO ₃ (Red)										
	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)										
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	40mL VOA, H ₃ PO ₄ (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	250 mL AG unpreserved (White)										
	250 mL AG H ₂ SO ₄ (Yellow)										
	250 mL AG Na ₂ S ₂ O ₃ (Green)										
	250 mL AG Na ₂ S ₂ O ₃ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
Special	1 L AG unpreserved (White)										
	1 L AG H ₂ SO ₄ (Yellow)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
	1 L AG HCl (Blue)										
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
Sulfide - 1 L AG or P NaOH + ZnAc											
Chlorite/Bromate - 250 mL AG with EDA											
HAA5 - 250mL AG Ammonium Chlorite											
DO KIT											
Other:											
Other:											