

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:

Rosa Dairy

Physical address of dairy:

4714 E, Bear Mountain Blvd

Number and Street

Bakersfield

City

Kern

County

93307

Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation:

01-01-2000

Regional Water Quality Control Board Basin Plan designation:

Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0185-0310-0015-0000 0185-0310-0016-0000 0185-0310-0017-0000

B. OPERATORS

Manuel Rosa

Operator Name:

Manuel Rosa

Telephone no.:

(661) 667-1017

Landline

Cellular

P.O. BOX 456

Mailing Address Number and Street

ARVIN

City

Kern

County

93203

Zip Code

C. OWNERS

Manuel Rosa

Owner Name:

Manuel Rosa

Telephone no.:

(661) 667-1017

Landline

Cellular

P.O. BOX 456

Mailing Address Number and Street

ARVIN

City

Kern

County

93203

Zip Code

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo.to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	76	145	206	0	0
Number under roof	0	0	0	0	0	0
Maxiumu number	1,218	236	502	461	428	428
Average number	0	76	145	206	0	0
Average live weight (lbs)	1200	1250	1000	300		

Predominant milk cow breed: Holsteins

Average Milk Production: 70 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 4,244.87 tons per reporting period

Total nitrogen from manure: 47,179.90 lbs per reporting period

After ammonia losses (30% loss applied): 33,025.93 lbs per reporting period

Total phosphorus from manure: 7,467.90 lbs per reporting period

Total potassium from manure: 0.00 lbs per reporting period

Total salt from manure: 17,476.20 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 0 gallons

Total nitrogen generated: 0 lbs

Total phosphorus generated: 0 lbs

Total potassium generated: 0 lbs

Total salt generated: 0 lbs

	0 gallons applied
+	0 gallons exported
-	0 gallons imported
=	0.00 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
East Well	Ground Water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No fresh water sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

Date	Material type	Quantity	Reporting basis	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	TFS (%)
04/27/2023	Separator solids	4,268 tons	as-is	68.2	8,450.00	4,770.00	14,560.00	77.00

No process wastewater nutrient exports entered.

Material type	N (lbs)	P (lbs)	K (lbs)	TDS (%)
Dry Manure	72,129.20	40,716.72	124,284.16	6,572,720.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	72,129.20	40,716.72	124,284.16	6,572,720.00

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
1	93.02	92.00	3	MANURE	0185-0310-0015-0000, 0185-0310-0016-0000, 0185-0310-0017-0000
Totals for areas that were used for application	93.02	92.00	3.00		
Totals for areas that were not used for application	1.02	1.02			
Land application area totals	93.02	93.02	3.00		

B. CROPS AND HARVESTS

1

Field Name: 1

11/25/2022: Triticale

Crop: Triticale Acres planted: 92 Plant date: 11/25/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/28/2023	2,012.96 ton	As-is		0.00	4,035.60	1,162.80	5,814.00	50.40	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	358.80	44.20	195.00	520.00
Total actual harvest content	21.88	176.60	50.88	254.42	0.00

05/14/2023: Sudan

Crop: Sudan Acres planted: 92 Plant date: 05/14/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/11/2023	756.24 ton	As-is		0.00	3,048.00	660.00	8,769.60	211.20	0.00
09/26/2023	911.72 ton	As-is		0.00	3,048.00	660.00	8,769.60	211.20	0.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	15.00	360.00	66.00	495.00	300.00
Total actual harvest content	18.13	110.52	23.93	317.99	0.00

NUTRIENT BUDGET

A. LAND APPLICATIONS

1

Field name: 1 Crop: Sudan Plant date: 05/14/2023

05/14/2023: Sudan

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/05/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Atmospheric Deposition	Atmospheric deposition	14.00	0.00	0.00	0.00	1,288.00 <i>Lbs</i>
Corral Solids	Corral Solids	86.93	49.07	149.79	7,921.76	736.00 <i>ton</i>
Application event totals		100.93	49.07	149.79	7,921.76	

05/14/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.02	0.00	1.97	160.21	12,615,881.57 <i>gal</i>
Application event totals		0.02	0.00	1.97	160.21	

06/08/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.02	0.00	1.99	161.79	12,740,790.57 <i>gal</i>
Application event totals		0.02	0.00	1.99	161.79	

07/03/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	17.70	0.00	0.00	0.00	460.00 <i>Gal.</i>
Well Water	Ground water	0.02	0.00	2.03	164.97	12,990,609.75 <i>gal</i>
Application event totals		17.72	0.00	2.03	164.97	

07/28/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.02	0.00	2.03	164.97	12,990,609.75 <i>gal</i>
Application event totals		0.02	0.00	2.03	164.97	

08/18/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	35.39	0.00	0.00	0.00	920.00 <i>Gal.</i>
Well Water	Ground water	0.02	0.00	2.03	164.97	12,990,609.75 <i>gal</i>
Application event totals		35.41	0.00	2.03	164.97	

11/25/2022: Triticale

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/01/2022	Surface (Irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Corral Solids	Corral Solids	156.24	55.99	157.63	2,256.80	920.00 <i>ton</i>
Application event totals		156.24	55.99	157.63	2,256.80	
11/25/2022	Surface (Irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.23	0.00	0.65	146.84	10,117,687.29 <i>gal</i>
Application event totals		0.23	0.00	0.65	146.84	
12/21/2022	Surface (Irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.24	0.00	0.67	152.28	10,492,415.48 <i>gal</i>
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	17.70	0.00	0.00	0.00	460.00 <i>Gal.</i>
Application event totals		17.94	0.00	0.67	152.28	
01/20/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	35.39	0.00	0.00	0.00	920.00 <i>Gal.</i>
Well Water	Ground water	0.02	0.00	2.11	171.31	13,490,249.32 <i>gal</i>
Application event totals		35.41	0.00	2.11	171.31	
02/19/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation		

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.02	0.00	1.92	156.08	12,291,116.02 <i>gal</i>
Application event totals		0.02	0.00	1.92	156.08	

03/21/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.02	0.00	1.88	152.28	11,991,333.00 <i>gal</i>
Un 32	Commercial fertilizer / Other: Liquid commercial fertilizer	35.39	0.00	0.00	0.00	920.00 <i>Gal.</i>
Application event totals		35.41	0.00	1.88	152.28	

04/20/2023	Surface (Irrigation)	No precipitation	No precipitation	No precipitation
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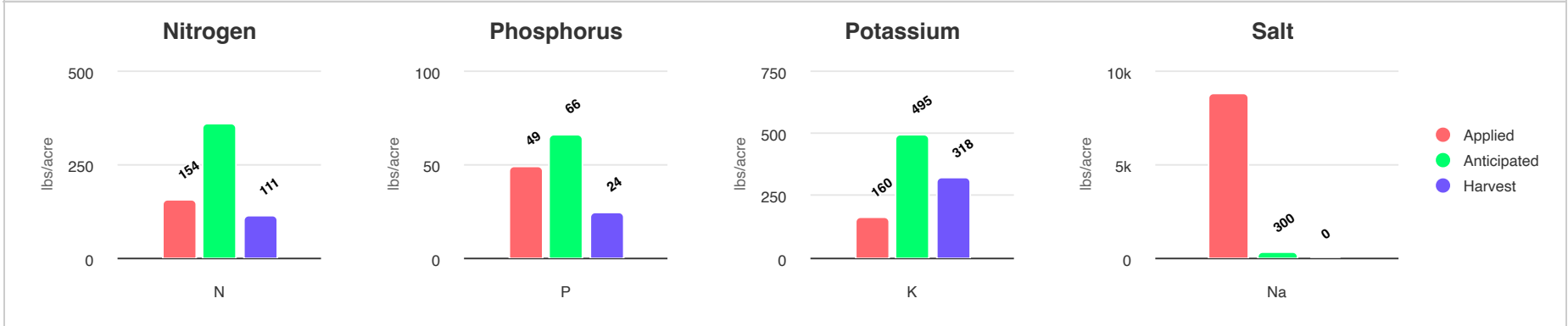
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well Water	Ground water	0.03	0.00	2.37	192.25	15,139,057.16 <i>gal</i>
Application event totals		0.03	0.00	2.37	192.25	

B. NUTRIENT BUDGET

1 - 05/14/2023: Sudan

Field name: 1 Crop: Sudan Plant date: 05/14/2023

Nutrient budgets in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	53.09	0.00	0.00	0.00
Dry manure	86.93	49.07	149.79	7,921.76
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.10	0.00	10.05	816.91
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	154.12	49.07	159.84	8,738.67
Anticipated crop nutrient removal	360.00	66.00	495.00	300.00
Actual crop nutrient removal	110.52	23.93	317.99	0.00
Nutrient balance	43.60	25.14	-158.14	8,738.67
Applied to removed ratio	1.39	2.05	0.50	0.00

Fresh water applied	
64,328,501.40	gallons
2,369.00	acre-inches
25.75	inches/acre

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

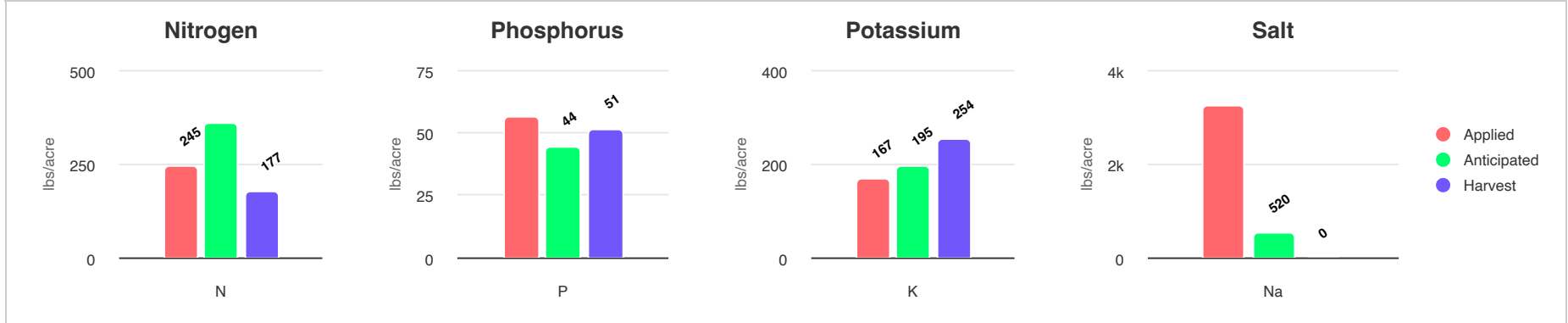
Total Harvests for the crop	
2	harvests

Field name: 1

Crop: Triticale

Plant date: 11/25/2022

Nutrient budgets in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	88.48	0.00	0.00	0.00
Dry manure	156.24	55.99	157.63	2,256.80
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.56	0.00	9.60	971.04
Atmospheric deposition	0.00	0.00	0.00	0.00
Total nutrients applied	245.28	55.99	167.23	3,227.84
Anticipated crop nutrient removal	358.80	44.20	195.00	520.00
Actual crop nutrient removal	176.60	50.88	254.42	0.00
Nutrient balance	68.68	5.10	-87.19	3,227.84
Applied to removed ratio	1.39	1.10	0.66	0.00

Fresh water applied

73,521,858.28 gallons
 2,707.56 acre-inches
 29.43 inches/acre

Process wastewater applied

0.00 gallons
 0.00 acre-inches
 0.00 inches/acre

Total Harvests for the crop

1 harvests

NUTRIENT ANALYSES

A. MANURE ANALYSES

T3090006A

Sample and source description name: T3090006A
Sample date: 03/17/2023 Material type: Corral solids Source of analysis: Lab Analysis Method of reporting: As-is
Moisture: 35.7%

	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	8,450.00	4,770.00	14,560.00	24,670.00	11,180.00	6,120.00	2,100.00	1,759.00	14,560.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3167060A

Sample and source description name: T3167060A
Sample date: 06/12/2023 Material type: Corral solids Source of analysis: Lab Analysis Method of reporting: As-is
Moisture: 45.8%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	21,020.00	4,870.00	11,670.00	12,350.00	4,940.00	3,120.00	2,500.00	884.00	11,670.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3263079A

Sample and source description name: T3263079A
Sample date: 09/15/2023 Material type: Corral solids Source of analysis: Lab Analysis Method of reporting: As-is
Moisture: 9%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	21,200.00	5,370.00	28,100.00	13,560.00	4,630.00	4,200.00	3,760.00	1,014.00	28,100.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

T3362037A

Sample and source description name: T3362037A
Sample date: 12/22/2023 Material type: Corral solids Source of analysis: Lab Analysis Method of reporting: As-is

Moisture: 27.2%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	14,210.00	3,990.00	40,690.00	8,960.00	4,040.00	5,460.00	2,630.00	824.00	40,690.00	0.00
DL	100.00	200.00	500.00	500.00	500.00	500.00	100.00	.10		.10

B. PROCESS WASTEWATER ANALYSES

T3089018A

Sample and source description name: T3089018A

Sample date: 03/17/2023 Material type: Process wastewater Source of analysis: Lab Analysis pH: 0

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	19.60	0.00	5.60	0.11	3.10	86.25	29.90	7.50	76.07	0.00	0.00	48.92	43.18	0.48	180.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

T3167003A

Sample and source description name: T3167003A

Sample date: 06/12/2023 Material type: Process wastewater Source of analysis: Lab Analysis pH: 0

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	14.00	0.00	5.60	0.77	83.90	420.64	98.42	99.98	278.15	0.00	0.00	76.41	32.50	0.38	120.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

T3263053A

Sample and source description name: T3263053A

Sample date: 09/15/2023 Material type: Process wastewater Source of analysis: Lab Analysis pH: 0

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	11.20	0.00	2.80	0.00	0.80	3.30	15.56	2.74	56.41	0.00	0.00	34.27	42.90	0.47	260.00
DL	0.50	0.50	0.50	0.50	0.20	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

C. FRESH WATER ANALYSES

East Well

T3228020A

Sample and source description name: T3228020A

Sample date: 08/14/2023

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (mmhos/cm)	TDS (mg/L)
Value	0.02	0.00	0.02	9.97	0.87	55.17	0.00	0.00	38.87	32.69	0.36	140.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	2.00	2.00	0.50	0.50	1.00	10

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

1 - 11/20/2022: Triticale

T3362052A

Sample description: T3362052A

Sample date: 05/20/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Mositure: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
Value	11,210.00	3,230.00	16,150.00	140.00	0.00
DL	100.00	200.00	500.00		0.10

1 - 04/05/2023: Sudan

T3228046A

Sample description: T3228046A

Sample date: 08/11/2023

Source of analysis: Lab Analysis

Method of reporting: Dry

Mositure: 0%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total Salt (mg/kg)	TFS (%)
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Value	12,700.00	2,750.00	36,540.00	880.00	0.00
DL	100.00	200.00	500.00		0.10

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

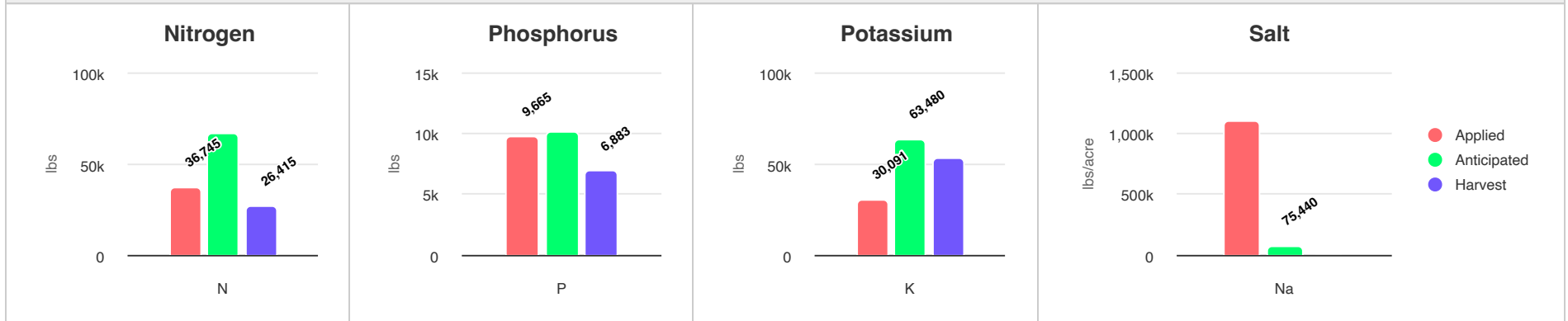
NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

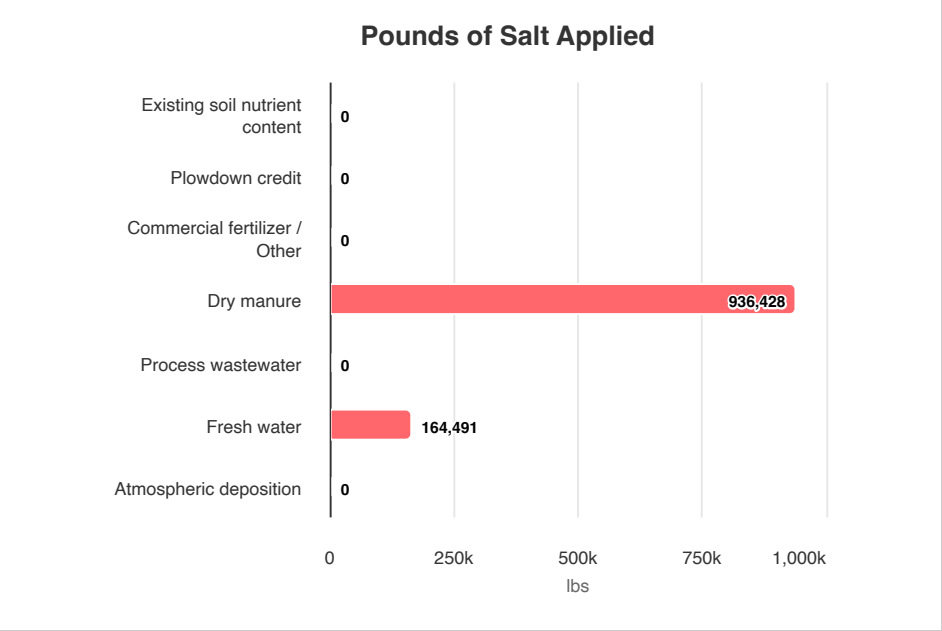
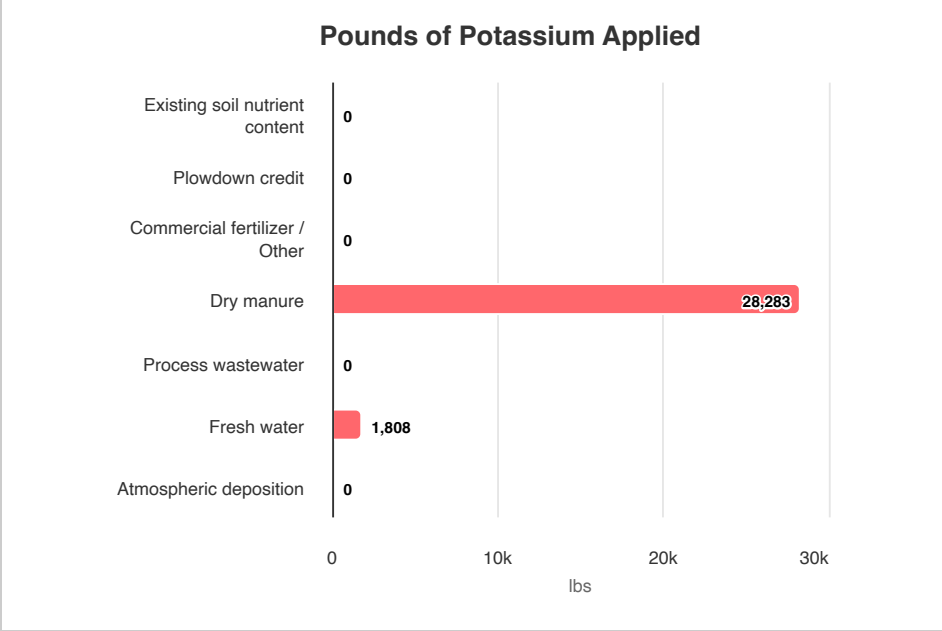
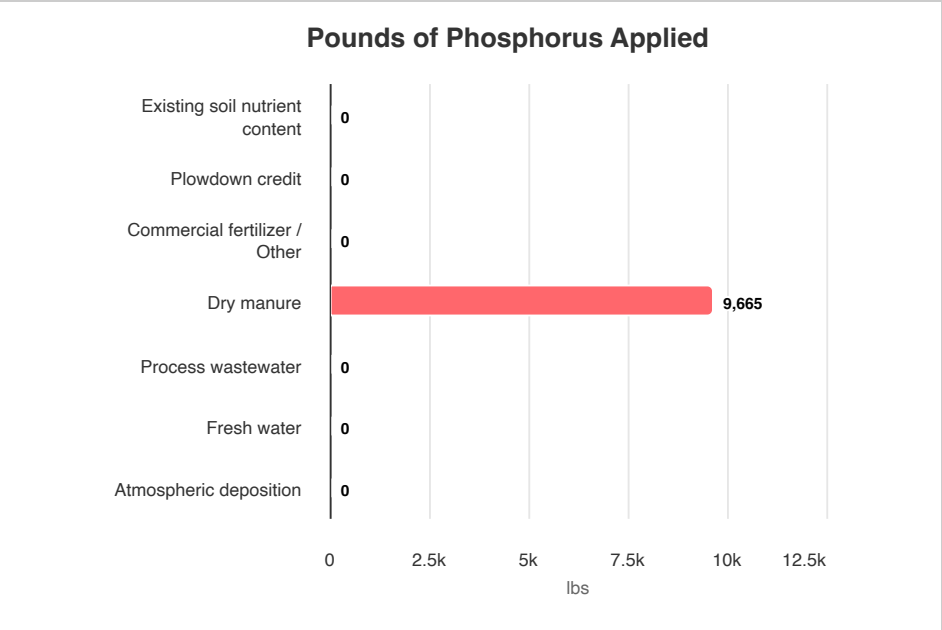
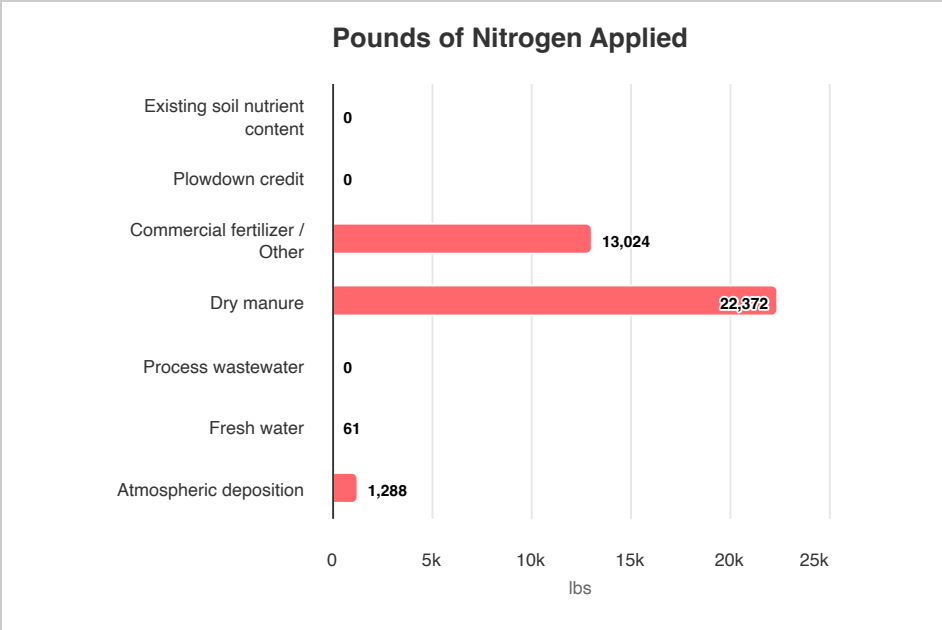
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	13,024.44	0.00	0.00	0.00
Dry manure	22,371.97	9,665.50	28,282.83	2,256.80
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	60.72	0.00	1,807.80	971.04
Atmospheric deposition	1,288.00	0.00	0.00	0.00
Total nutrients applied	36,745.13	9,665.50	30,090.63	1,100,918.92
Anticipated crop nutrient removal	66,129.60	10,138.40	63,480.00	75,440.00
Actual crop nutrient removal	26,414.89	6,883.05	52,661.38	0.00
Nutrient balance	10,330.24	2,782.45	-22,570.75	1,100,918.92
Applied to removed ratio	1.39	1.40	0.57	0.00

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

Nutrient budgets in lbs/acre



C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE



EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS
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A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period?	<u>Yes</u>
Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	<u>Yes</u>
Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	<u>Yes</u>

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?	<u>No</u>
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ADDITIONAL NOTES

A. NOTES

No notes entered for this annual report.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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



SIGNATURE OF OWNER OF FACILITY

Manuel Rosa

PRINT OR TYPE NAME

6/29/2024

DATE



SIGNATURE OF OPERATOR OF FACILITY

Manuel Rosa

PRINT OR TYPE NAME

6/29/2024

DATE

REQUIRED ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Discharge Maps

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

Discharge Lab Reports

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

Groundwater Monitoring

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

Storm Water Monitoring

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

Solid/Liquid Manure Tracking Manifest

Waste Generator Information:

Name: Manuel Rosa
Facility Name: Rosa Dairy
Facility Address: 4714 E, Bear Mountain Blvd
Facility City/State: Bakersfield, CA 93307

Contact:

Name: Manuel Rosa
Number: (661) 667-1017

Manure Hauler / Processor Information:

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

Contact:

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

Manure Destination Farmer

Destination Information:

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

Contact:

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

Dates Hauled / Transferred	Amount Hauled / Transferred	Units	Moisture %
Apr 1, 2023 - Apr, 30 2023	4,268	ton	68 %
Total	4,268		

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

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

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

Signature of Owner:



Date:

12/30/2023

Signature of Hauler:



Date:

12/30/2023

**Denele Analytical, Inc.**

865 South Kilroy Avenue Turlock, CA 95380
Phone (209) 634-9055 - Fax (209) 634-9057
www.denelelabs.com

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

Compliance Analysis Report

Customer

Rosa Dairy-Bakersfield
P.O. Box 456
Arvin, CA 93203

Grower**Consultant:**

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

PURCHASE ORDER:

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

Boron (B)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
East Well	T3228020A	Boron (B)	EPA 200.7	0.113	ppm

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

Customer

Rosa Dairy-Bakersfield
P.O. Box 456
Arvin, CA 93203

Grower

Consultant:

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

PURCHASE ORDER:

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

Irrigation /Ground Water (H14)
SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
East Well	T3228020A	Electrical Conductivity (EC)	EPA 120.1 and	0.356	mmhos/cm
		Bicarbonate Alkalinity (ALK-B)	SM 2320B-2011	66.0	mg/L
		Carbonate Alkalinity (Carb)	SM 2320B-2011	< 2.00	mg/L
		Sulfate (SO ₄)	EPA 375.2	38.9	mg/L
		Sodium (Na)	EPA 200.7	55.2	mg/L
		Ammonia Nitrogen (NH ₃ -N)	SM 4500-NH ₃ D,C	< 0.500	mg/L
		Magnesium (Mg)	EPA 200.7	0.872	mg/L
		Nitrate Nitrogen (NO ₃ -N)	EPA 353.2	< 0.140	mg/L
		Total Dissolved Solids (TDS)	SM 2540 C-1997 and	140	mg/L
		Calcium (Ca)	EPA 200.7	9.97	mg/L
		Chloride (Cl)	SM 4500-Cl D-2011	32.7	mg/L
		Soluble Salts (SALT-SOL)	Calculation	228	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	Sample mg/L	Dup mg/L	RPD %
Ammonia Nitrogen (NH ₃ -N)	97.8	100 (T3228016A)	102 (T3228016A)			1.78
Calcium (Ca)	92.3	90.9 (T3228021A)	93.1 (T3228021A)			2.36
Chloride (Cl)	103	96.4 (T3228016A)	96.9 (T3228016A)			0.559
Magnesium (Mg)	92.1	91.3 (T3228021A)	95.2 (T3228021A)			4.24
Nitrate Nitrogen (NO ₃ -N)	105	100 (T3228016A)	96.7 (T3228016A)			3.70
Sodium (Na)	99.4	78.9 (T3228021A)	85.1 (T3228021A)			7.63
Sulfate (SO ₄)	103	114 (T3228016A)	107 (T3228016A)			5.66
Total Dissolved Solids (TDS)	109			410 (T3228024B)	435 (Dup)	5.92

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Compliance Analysis Report

Customer

Rosa Dairy-Bakersfield
P.O. Box 456
Arvin, CA 93203

Grower**Consultant:**

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

PURCHASE ORDER:

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

Icon Sampling Fee (ISF)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
East Well	T3228020A	Icon Sampling Fee (ISF)	1664B	0.000	N/A

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

Customer

Rosa Dairy-Bakersfield
P.O. Box 456
Arvin, CA 93203

Grower**Consultant:**

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

PURCHASE ORDER:

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

pH (pH)

SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
East Well	T3228020A	pH (pH)	SM4500-H+ B-2000	7.8	S.U.

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

Customer

Rosa Dairy-Bakersfield
P.O. Box 456
Arvin, CA 93203

Grower**Consultant:**

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

PURCHASE ORDER:

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

Total Nitrogen (TN)
SOURCE: Well Water

Sample ID	Lab ID	Analyte	Method Ref	Result	Units
East Well	T3228020A	Total Nitrogen (TN)	SM 4500-NH3 D,C	< 1.50	%

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



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

Dominic Patino

(661) 333-7776

(661) 215-5168

dpatino@iconaginc.com

Date

8-14-2023

Sampled By

TONY

Lab Name

Denele

Rosa Dairy

Ranch: Home Ranch

***Required Field Measurement

NH4-N ____ Check here if performed

Analysis Types

W5 - Ag Suitability (Non-Compliance)

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

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

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

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

Weather Conditions

SH - Sunny & Hot

CC - Cold & Cloudy

SW - Sunny & Warm

CCL - Cold & Clear

R - Rainy

1. Location:

Analysis	Weather	Temp (°F)	# of Bags/ Bottles
W2	SH	102	1

CHAIN

Rosa Dairy



23-01

East Well

W

Ranch: Home Ranch

Date: 8-14-2023

1:40

pm

IW

No Lat/Lng

2. Location:

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

Place CHAIN Label Here

Place additional labels on sample bags/bottles

3. Location:

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

Place CHAIN Label Here

Place additional labels on sample bags/bottles

4. Location:

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

Place CHAIN Label Here

Place additional labels on sample bags/bottles

5. Location:

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

Place CHAIN Label Here

Place additional labels on sample bags/bottles

6. Location:

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

Place CHAIN Label Here

Place additional labels on sample bags/bottles

Chain of Custody Recording Log

	Signature	Company	Received Date/Time	Relinquished Date/Time	Laboratory Use Only	
1st	Antonio Maza	Icon Ag		8-15-2023 7:00 am	Logged in By:	Laboratory #
2nd						
3rd	Denele		8-16-23 10:00			
4th						T3228020