

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:** Airoso Dairy

Physical address of dairy:

18809 Road 64
Number and StreetTulare
CityTulare
County93274
Zip Code

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

Date facility was originally placed in operation: 01/01/1942Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X200-X110-X018-XXXX**B. OPERATORS**Airoso, JoeyOperator name: Airoso, JoeyTelephone no.: (559) 757-3598 (559) 967-5258
Landline CellularP.O. Box 1087Tipton
CityCA
State93272
Zip Code

Mailing Address Number and Street

C. OWNERSAiroso, JoeLegal owner name: Airoso, JoeTelephone no.: (559) 757-3598 (559) 967-5258
Landline CellularP.O. Box 1087Tipton
CityCA
State93272
Zip Code

Mailing Address Number and Street

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

| | Milk Cows | Dry Cows | Bred Heifers (15-24 mo.) | Heifers (7-14 mo. to breeding) | Calves (4-6 mo.) | Calves (0-3 mo.) |
|-------------------------|-----------|----------|-----------------------------|-----------------------------------|---------------------|---------------------|
| Number open confinement | 0 | 110 | 140 | 130 | 60 | 0 |
| Number under roof | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum number | 0 | 125 | 160 | 140 | 80 | 0 |
| Average number | 0 | 115 | 150 | 135 | 70 | 0 |
| Avg live weight (lbs) | 0 | 1,050 | 980 | 65 | | |

Predominant milk cow breed: Holstein

Average milk production: 1 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 4,293.01 tons per reporting period

Total nitrogen from manure: 51,611.00 lbs per reporting period

After ammonia losses (30% loss applied): 36,127.70 lbs per reporting period

Total phosphorus from manure: 7,600.40 lbs per reporting period

Total potassium from manure: 1.00 lbs per reporting period

Total salt from manure: 26,444.25 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 7,536,000 gallons

Total nitrogen generated: 3,442.12 lbs

Total phosphorus generated: 10,919.31 lbs

Total potassium generated: 7,655.94 lbs

Total salt generated: 49,937.82 lbs

| | |
|---|-----------------------------|
| | 7,536,000 gallons applied |
| + | 0 gallons exported |
| - | 0 gallons imported |
| = | 7,536,000 gallons generated |

D. FRESH WATER SOURCES

| Source Description | Type |
|--------------------|--------------|
| 456 | Ground water |
| Aunts E | Ground water |
| Aunts W | Ground water |
| Dom 1 | Ground water |
| Dom 2 | Ground water |

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| Source Description | Type |
|--------------------|--------------|
| Well 1 | Ground water |
| Well 2B | Ground water |
| Well 3 | Ground water |
| Well 4 | Ground water |

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

| Field name | Controlled acres | Cropable acres | Total harvests | Type of waste applied | Parcel number |
|---|------------------|----------------|----------------|-----------------------|---------------------|
| C-1 | 46 | 40 | 1 | none | 0226-0020-0010-0000 |
| D-1 | 11 | 11 | 2 | both | 0200-0011-0003-0000 |
| D-2 | 63 | 63 | 2 | both | 0200-0011-0003-0000 |
| D-3 | 61 | 61 | 2 | both | 0200-0011-0003-0000 |
| D-4 | 64 | 64 | 2 | both | 0200-0011-0018-0000 |
| D-5 | 140 | 135 | 2 | both | 0200-0011-0019-0000 |
| L-1 | 23 | 20 | 2 | manure | 0226-0020-0010-0000 |
| L-2 | 36 | 36 | 0 | none | 0226-0020-0010-0000 |
| L-3 | 41 | 38 | 1 | none | 0226-0020-0010-0000 |
| L-4 | 78 | 76 | 1 | none | 0200-0100-0004-0000 |
| L-5&6 | 78 | 75 | 2 | manure | 0200-0100-0004-0000 |
| Totals for areas that were used for application | 440 | 429 | 14 | | |
| Totals for areas that were not used for application | 201 | 190 | 3 | | |
| Land application area totals | 641 | 619 | 17 | | |

B. CROPS AND HARVESTS

C-1

Field name: C-1

02/09/2007: Pistachios

Crop: Pistachios Acres planted: 40 Plant date: 02/09/2007

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/01/2023 | 221.00 ton | Dry-weight | | 7.9 | 31,800.00 | 2,500.00 | 25,300.00 | | 13.26 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 6.00 | 148.80 | 36.00 | 103.20 | 0.00 |
| Total actual harvest content | 5.53 | 323.63 | 25.44 | 257.48 | 1,349.48 |

D-1

Field name: D-1

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D-1

11/10/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 11 Plant date: 11/10/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 06/02/2023 | 254.00 ton | Dry-weight | | 61.7 | 16,700.00 | 2,200.00 | 17,200.00 | | 9.86 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 134.40 | 547.20 | 0.00 |
| Total actual harvest content | 23.09 | 295.38 | 38.91 | 304.23 | 1,744.00 |

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 11 Plant date: 06/10/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/08/2023 | 271.00 ton | Dry-weight | | 69.2 | 12,800.00 | 2,500.00 | 12,600.00 | | 6.73 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 81.60 | 446.40 | 0.00 |
| Total actual harvest content | 24.64 | 194.25 | 37.94 | 191.22 | 1,021.34 |

D-2

Field name: D-2

11/10/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 63 Plant date: 11/10/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 06/02/2023 | 1,439.00 ton | Dry-weight | | 58.1 | 13,400.00 | 1,700.00 | 12,200.00 | | 9.80 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 134.40 | 547.20 | 0.00 |
| Total actual harvest content | 22.84 | 256.49 | 32.54 | 233.52 | 1,875.82 |

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D-2

06/07/2023: Corn, silage

Crop: Corn, silage Acres planted: 63 Plant date: 06/07/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/27/2023 | 1,563.00 ton | Dry-weight | | 67.8 | 11,700.00 | 2,100.00 | 11,700.00 | | 5.77 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 81.60 | 446.40 | 0.00 |
| Total actual harvest content | 24.81 | 186.93 | 33.55 | 186.93 | 921.89 |

D-3

Field name: D-3

11/10/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 61 Plant date: 11/10/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 06/02/2023 | 1,510.00 ton | Dry-weight | | 40.4 | 13,500.00 | 1,800.00 | 17,200.00 | | 9.77 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 134.40 | 547.20 | 0.00 |
| Total actual harvest content | 24.75 | 398.34 | 53.11 | 507.52 | 2,882.82 |

06/23/2023: Corn, silage

Crop: Corn, silage Acres planted: 61 Plant date: 06/23/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/13/2023 | 1,542.00 ton | Dry-weight | | 64.4 | 11,900.00 | 1,900.00 | 8,800.00 | | 5.65 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 10.00 | 122.00 | 34.00 | 186.00 | 0.00 |
| Total actual harvest content | 25.28 | 214.18 | 34.20 | 158.39 | 1,016.91 |

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D-4

Field name: D-4

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

Crop: Wheat, silage, boot stage Acres planted: 64 Plant date: 11/11/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|---------------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 06/02/2023 | 1,585.00 <i>ton</i> | Dry-weight | | 54.3 | 14,300.00 | 1,800.00 | 16,100.00 | | 8.88 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 134.40 | 547.20 | 0.00 |
| Total actual harvest content | 24.77 | 323.69 | 40.74 | 364.44 | 2,010.06 |

06/12/2023: Corn, silage

Crop: Corn, silage Acres planted: 64 Plant date: 06/12/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|---------------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 10/02/2023 | 1,586.00 <i>ton</i> | Dry-weight | | 64.7 | 12,600.00 | 2,200.00 | 11,900.00 | | 6.24 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 81.60 | 446.40 | 0.00 |
| Total actual harvest content | 24.78 | 220.44 | 38.49 | 208.20 | 1,091.72 |

D-5

Field name: D-5

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

Crop: Wheat, silage, boot stage Acres planted: 135 Plant date: 11/11/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|---------------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 06/02/2023 | 2,835.00 <i>ton</i> | Dry-weight | | 56.0 | 16,400.00 | 2,000.00 | 10,700.00 | | 10.97 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 134.40 | 547.20 | 0.00 |
| Total actual harvest content | 21.00 | 303.07 | 36.96 | 197.74 | 2,027.26 |

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D-5

06/07/2023: Corn, silage

Crop: Corn, silage Acres planted: 135 Plant date: 06/07/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/15/2023 | 2,400.00 ton | Dry-weight | | 67.6 | 12,900.00 | 2,300.00 | 11,800.00 | | 5.61 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 22.00 | 268.40 | 74.80 | 409.20 | 0.00 |
| Total actual harvest content | 17.78 | 148.61 | 26.50 | 135.94 | 646.27 |

L-1

Field name: L-1

11/12/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 20 Plant date: 11/12/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 06/02/2023 | 341.00 ton | Dry-weight | | 67.0 | 22,000.00 | 11,300.00 | 16,000.00 | | 14.78 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 9.50 | 115.90 | 53.20 | 216.60 | 0.00 |
| Total actual harvest content | 17.05 | 247.57 | 127.16 | 180.05 | 1,663.19 |

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 20 Plant date: 06/10/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/27/2023 | 476.00 ton | Dry-weight | | 66.3 | 10,700.00 | 2,000.00 | 8,000.00 | | 4.83 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 9.50 | 115.90 | 32.30 | 176.70 | 0.00 |
| Total actual harvest content | 23.80 | 171.64 | 32.08 | 128.33 | 774.79 |

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L-3

Field name: L-3

01/01/2019: Pistachios

Crop: Pistachios Acres planted: 38 Plant date: 01/01/2019

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 12/31/2023 | 0.01 <i>ton</i> | As-is | | 0.1 | 0.01 | 0.01 | 0.01 | | 0.01 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 0.10 | 0.10 | 0.01 | 0.01 | 0.00 |
| Total actual harvest content | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

L-4

Field name: L-4

01/01/2023: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 76 Plant date: 01/01/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|-------------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 12/31/2023 | 681.00 <i>ton</i> | Dry-weight | | 15.7 | 33,400.00 | 2,600.00 | 19,400.00 | | 10.20 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 10.00 | 262.00 | 40.00 | 302.00 | 0.00 |
| Total actual harvest content | 8.96 | 504.59 | 39.28 | 293.08 | 1,540.96 |

L-5&6

Field name: L-5&6

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L-5&6

11/12/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 75 Plant date: 11/12/2022

| 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 | 1,912.00 <i>ton</i> | Dry-weight | | 61.8 | 17,700.00 | 1,800.00 | 15,400.00 | | 11.76 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 134.40 | 547.20 | 0.00 |
| Total actual harvest content | 25.49 | 344.74 | 35.06 | 299.94 | 2,290.48 |

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 75 Plant date: 06/10/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|---------------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/27/2023 | 1,674.00 <i>ton</i> | Dry-weight | | 65.8 | 12,100.00 | 2,000.00 | 9,800.00 | | 5.52 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 24.00 | 292.80 | 81.60 | 446.40 | 0.00 |
| Total actual harvest content | 22.32 | 184.73 | 30.53 | 149.62 | 842.73 |

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NUTRIENT BUDGET

A. LAND APPLICATIONS

C-1 - 02/09/2007: Pistachios

Field name: C-1

Crop: Pistachios

Plant date: 02/09/2007

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|------------------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 02/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 3.89 | 0.00 | 0.00 | 141.72 | 3,330,000.00 <i>gal</i> |
| Application event totals | | 3.89 | 0.00 | 0.00 | 141.72 | |
| 03/17/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Nitrogen | Liquid commercial fertilizer | 75.00 | 0.00 | 0.00 | 0.00 | |
| Aunts E | Ground water | 4.00 | 0.00 | 0.00 | 145.55 | 3,420,000.00 <i>gal</i> |
| Application event totals | | 79.00 | 0.00 | 0.00 | 145.55 | |
| 04/14/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.05 | 0.00 | 0.00 | 147.47 | 3,465,000.00 <i>gal</i> |
| Application event totals | | 4.05 | 0.00 | 0.00 | 147.47 | |
| 05/22/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.05 | 0.00 | 0.00 | 147.47 | 3,465,000.00 <i>gal</i> |
| Application event totals | | 4.05 | 0.00 | 0.00 | 147.47 | |
| 06/15/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Nitrogen | Liquid commercial fertilizer | 75.00 | 0.00 | 0.00 | 0.00 | |
| Aunts E | Ground water | 4.10 | 0.00 | 0.00 | 149.38 | 3,510,000.00 <i>gal</i> |
| Application event totals | | 79.10 | 0.00 | 0.00 | 149.38 | |

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C-1 - 02/09/2007: Pistachios

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 07/25/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.10 | 0.00 | 0.00 | 149.38 | 3,510,000.00 <i>gal</i> |
| Application event totals | | 4.10 | 0.00 | 0.00 | 149.38 | |
| | | | | | | |
| 08/24/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.10 | 0.00 | 0.00 | 149.38 | 3,510,000.00 <i>gal</i> |
| Application event totals | | 4.10 | 0.00 | 0.00 | 149.38 | |
| | | | | | | |
| 09/21/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.15 | 0.00 | 0.00 | 151.30 | 3,555,000.00 <i>gal</i> |
| Application event totals | | 4.15 | 0.00 | 0.00 | 151.30 | |
| | | | | | | |
| 10/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 3.68 | 0.00 | 0.00 | 134.06 | 3,150,000.00 <i>gal</i> |
| Application event totals | | 3.68 | 0.00 | 0.00 | 134.06 | |

D-1 - 11/10/2022: Wheat, silage, boot stage

Field name: D-1

Crop: Wheat, silage, boot stage Plant date: 11/10/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|

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

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

D-1 - 11/10/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-----------------------|
| 10/14/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 21.37 | 69.48 | 46.87 | 308.07 | 432,000.00 <i>gal</i> |
| Well 1 | Ground water | 13.16 | 0.00 | 0.00 | 327.08 | 720,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.47 | 0.00 | 0.00 | 124.54 | 720,000.00 <i>gal</i> |
| Application event totals | | 36.01 | 69.48 | 46.87 | 759.68 | |
| | | | | | | |
| 10/27/2022 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 98.40 | 35.20 | 177.60 | 0.00 | 44.00 <i>ton</i> |
| Application event totals | | 98.40 | 35.20 | 177.60 | 0.00 | |
| | | | | | | |
| 12/10/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 17.81 | 57.90 | 39.05 | 256.72 | 360,000.00 <i>gal</i> |
| Well 1 | Ground water | 12.07 | 0.00 | 0.00 | 299.82 | 660,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.35 | 0.00 | 0.00 | 114.16 | 660,000.00 <i>gal</i> |
| Application event totals | | 31.23 | 57.90 | 39.05 | 670.70 | |
| | | | | | | |
| 02/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.07 | 0.00 | 0.00 | 299.82 | 660,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.35 | 0.00 | 0.00 | 114.16 | 660,000.00 <i>gal</i> |
| Application event totals | | 13.42 | 0.00 | 0.00 | 413.98 | |
| | | | | | | |
| 04/01/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 10.97 | 0.00 | 0.00 | 272.56 | 600,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.23 | 0.00 | 0.00 | 103.78 | 600,000.00 <i>gal</i> |
| Application event totals | | 12.20 | 0.00 | 0.00 | 376.34 | |

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

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

D-1 - 11/10/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-----------------------|
| 05/10/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.52 | 0.00 | 0.00 | 286.19 | 630,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.29 | 0.00 | 0.00 | 108.97 | 630,000.00 <i>gal</i> |
| Application event totals | | 12.81 | 0.00 | 0.00 | 395.16 | |

D-1 - 06/10/2023: Corn, silage

Field name: D-1

Crop: Corn, silage

Plant date: 06/10/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-----------------------|
| 06/02/2023 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 164.00 | 35.20 | 200.00 | 0.00 | 44.00 <i>ton</i> |
| Application event totals | | 164.00 | 35.20 | 200.00 | 0.00 | |
| | | | | | | |
| 06/11/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 1.09 | 0.55 | 3.56 | 19.12 | 168,000.00 <i>gal</i> |
| Well 1 | Ground water | 10.97 | 0.00 | 0.00 | 272.56 | 600,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.23 | 0.00 | 0.00 | 103.78 | 600,000.00 <i>gal</i> |
| Application event totals | | 13.29 | 0.55 | 3.56 | 395.46 | |
| | | | | | | |
| 07/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 10.97 | 0.00 | 0.00 | 272.56 | 600,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.23 | 0.00 | 0.00 | 103.78 | 600,000.00 <i>gal</i> |
| Application event totals | | 12.20 | 0.00 | 0.00 | 376.34 | |

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

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

D-1 - 06/10/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|----------------|
| 07/20/2023 | 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 |
| Lagoon | Process wastewater | 0.78 | 0.39 | 2.54 | 13.66 | 120,000.00 gal |
| Well 1 | Ground water | 10.97 | 0.00 | 0.00 | 272.56 | 600,000.00 gal |
| Well 4 | Ground water | 1.23 | 0.00 | 0.00 | 103.78 | 600,000.00 gal |
| Application event totals | | 12.98 | 0.39 | 2.54 | 390.00 | |
| | | | | | | |
| 08/04/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.07 | 0.00 | 0.00 | 299.82 | 660,000.00 gal |
| Well 4 | Ground water | 1.35 | 0.00 | 0.00 | 114.16 | 660,000.00 gal |
| Application event totals | | 13.42 | 0.00 | 0.00 | 413.98 | |
| | | | | | | |
| 08/18/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.52 | 0.00 | 0.00 | 286.19 | 630,000.00 gal |
| Well 4 | Ground water | 1.29 | 0.00 | 0.00 | 108.97 | 630,000.00 gal |
| Application event totals | | 12.81 | 0.00 | 0.00 | 395.16 | |

D-2 - 11/10/2022: Wheat, silage, boot stage

Field name: D-2

Crop: Wheat, silage, boot stage

Plant date: 11/10/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 10/14/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 5.39 | 17.52 | 11.82 | 77.70 | 624,000.00 <i>gal</i> |
| Well 1 | Ground water | 13.22 | 0.00 | 0.00 | 328.37 | 4,140,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.48 | 0.00 | 0.00 | 125.03 | 4,140,000.00 <i>gal</i> |
| Application event totals | | 20.09 | 17.52 | 11.82 | 531.10 | |

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

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

D-2 - 11/10/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 10/27/2022 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 98.40 | 35.20 | 177.60 | 0.00 | 252.00 <i>ton</i> |
| Application event totals | | 98.40 | 35.20 | 177.60 | 0.00 | |
| 12/10/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 5.80 | 18.87 | 12.73 | 83.67 | 672,000.00 <i>gal</i> |
| Well 1 | Ground water | 10.92 | 0.00 | 0.00 | 271.26 | 3,420,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.22 | 0.00 | 0.00 | 103.29 | 3,420,000.00 <i>gal</i> |
| Application event totals | | 17.94 | 18.87 | 12.73 | 458.22 | |
| 02/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.30 | 0.00 | 0.00 | 280.78 | 3,540,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.27 | 0.00 | 0.00 | 106.91 | 3,540,000.00 <i>gal</i> |
| Application event totals | | 12.57 | 0.00 | 0.00 | 387.69 | |
| 04/01/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.40 | 0.00 | 0.00 | 283.16 | 3,570,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.28 | 0.00 | 0.00 | 107.82 | 3,570,000.00 <i>gal</i> |
| Application event totals | | 12.67 | 0.00 | 0.00 | 390.98 | |
| 05/10/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.49 | 0.00 | 0.00 | 285.54 | 3,600,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.29 | 0.00 | 0.00 | 108.72 | 3,600,000.00 <i>gal</i> |
| Application event totals | | 12.78 | 0.00 | 0.00 | 394.27 | |

D-2 - 06/07/2023: Corn, silage

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

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

D-2 - 06/07/2023: Corn, silage

Field name: D-2

Crop: Corn, silage

Plant date: 06/07/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/02/2023 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 82.00 | 17.60 | 100.00 | 0.00 | 126.00 <i>ton</i> |
| Application event totals | | 82.00 | 17.60 | 100.00 | 0.00 | |
| | | | | | | |
| 06/11/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 0.27 | 0.14 | 0.89 | 4.77 | 240,000.00 <i>gal</i> |
| Well 1 | Ground water | 13.60 | 0.00 | 0.00 | 337.89 | 4,260,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.52 | 0.00 | 0.00 | 128.66 | 4,260,000.00 <i>gal</i> |
| Application event totals | | 15.39 | 0.14 | 0.89 | 471.32 | |
| | | | | | | |
| 07/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 0.33 | 0.16 | 1.06 | 5.72 | 288,000.00 <i>gal</i> |
| Well 1 | Ground water | 11.97 | 0.00 | 0.00 | 297.44 | 3,750,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.34 | 0.00 | 0.00 | 113.25 | 3,750,000.00 <i>gal</i> |
| Application event totals | | 13.64 | 0.16 | 1.06 | 416.42 | |
| | | | | | | |
| 07/20/2023 | 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 |
| Well 4 | Ground water | 1.33 | 0.00 | 0.00 | 112.35 | 3,720,000.00 <i>gal</i> |
| Well 1 | Ground water | 11.88 | 0.00 | 0.00 | 295.06 | 3,720,000.00 <i>gal</i> |
| Application event totals | | 13.21 | 0.00 | 0.00 | 407.41 | |

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

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

D-2 - 06/07/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 08/04/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.07 | 0.00 | 0.00 | 299.82 | 3,780,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.35 | 0.00 | 0.00 | 114.16 | 3,780,000.00 <i>gal</i> |
| Application event totals | | 13.42 | 0.00 | 0.00 | 413.98 | |
| | | | | | | |
| 08/18/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.16 | 0.00 | 0.00 | 302.20 | 3,810,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.36 | 0.00 | 0.00 | 115.07 | 3,810,000.00 <i>gal</i> |
| Application event totals | | 13.53 | 0.00 | 0.00 | 417.26 | |

D-3 - 11/10/2022: Wheat, silage, boot stage

Field name: D-3

Crop: Wheat, silage, boot stage

Plant date: 11/10/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|------------------|-------------------------|
| 10/25/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 6.42 | 20.88 | 14.09 | 92.59 | 720,000.00 <i>gal</i> |
| Well 1 | Ground water | 23.74 | 0.00 | 0.00 | 589.81 | 7,200,000.00 <i>gal</i> |
| Well 4 | Ground water | 2.66 | 0.00 | 0.00 | 224.58 | 7,200,000.00 <i>gal</i> |
| Application event totals | | 32.82 | 20.88 | 14.09 | 906.97 | |
| | | | | | | |
| 10/27/2022 | Plow/disc | No precipitation | 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 |
| Manure | Corral solids | 98.40 | 35.20 | 177.60 | 0.00 | 244.00 <i>ton</i> |
| Application event totals | | 98.40 | 35.20 | 177.60 | 0.00 | |

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

D-3 - 11/10/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 12/21/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 6.42 | 20.88 | 14.09 | 92.59 | 720,000.00 <i>gal</i> |
| Well 1 | Ground water | 21.76 | 0.00 | 0.00 | 540.66 | 6,600,000.00 <i>gal</i> |
| Well 4 | Ground water | 2.44 | 0.00 | 0.00 | 205.86 | 6,600,000.00 <i>gal</i> |
| Application event totals | | 30.62 | 20.88 | 14.09 | 839.11 | |
| | | | | | | |
| 02/23/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 22.75 | 0.00 | 0.00 | 565.23 | 6,900,000.00 <i>gal</i> |
| Well 4 | Ground water | 2.55 | 0.00 | 0.00 | 215.22 | 6,900,000.00 <i>gal</i> |
| Application event totals | | 25.30 | 0.00 | 0.00 | 780.45 | |
| | | | | | | |
| 04/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 22.16 | 0.00 | 0.00 | 550.49 | 6,720,000.00 <i>gal</i> |
| Well 4 | Ground water | 2.48 | 0.00 | 0.00 | 209.60 | 6,720,000.00 <i>gal</i> |
| Application event totals | | 24.64 | 0.00 | 0.00 | 760.09 | |
| | | | | | | |
| 05/21/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 23.74 | 0.00 | 0.00 | 589.81 | 7,200,000.00 <i>gal</i> |
| Well 4 | Ground water | 2.66 | 0.00 | 0.00 | 224.58 | 7,200,000.00 <i>gal</i> |
| Application event totals | | 26.40 | 0.00 | 0.00 | 814.38 | |

D-3 - 06/23/2023: Corn, silage

Field name: D-3

Crop: Corn, silage

Plant date: 06/23/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|

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

D-3 - 06/23/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/02/2023 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 82.00 | 17.60 | 100.00 | 0.00 | 122.00 <i>ton</i> |
| Application event totals | | 82.00 | 17.60 | 100.00 | 0.00 | |
| 06/24/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 0.34 | 0.17 | 1.10 | 5.91 | 288,000.00 <i>gal</i> |
| Well 1 | Ground water | 12.64 | 0.00 | 0.00 | 314.07 | 3,834,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.42 | 0.00 | 0.00 | 119.59 | 3,834,000.00 <i>gal</i> |
| Application event totals | | 14.39 | 0.17 | 1.10 | 439.57 | |
| 07/23/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.26 | 0.00 | 0.00 | 304.73 | 3,720,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.37 | 0.00 | 0.00 | 116.03 | 3,720,000.00 <i>gal</i> |
| Application event totals | | 13.64 | 0.00 | 0.00 | 420.77 | |
| 08/07/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.46 | 0.00 | 0.00 | 309.65 | 3,780,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.40 | 0.00 | 0.00 | 117.90 | 3,780,000.00 <i>gal</i> |
| Application event totals | | 13.86 | 0.00 | 0.00 | 427.55 | |
| 08/21/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.56 | 0.00 | 0.00 | 312.11 | 3,810,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.41 | 0.00 | 0.00 | 118.84 | 3,810,000.00 <i>gal</i> |
| Application event totals | | 13.97 | 0.00 | 0.00 | 430.95 | |

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

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

D-3 - 06/23/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|------------------|
| 09/05/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.46 | 0.00 | 0.00 | 309.65 | 3,780,000.00 gal |
| Well 4 | Ground water | 1.40 | 0.00 | 0.00 | 117.90 | 3,780,000.00 gal |
| Application event totals | | 13.86 | 0.00 | 0.00 | 427.55 | |
| | | | | | | |
| 09/19/2023 | 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 1 | Ground water | 12.56 | 0.00 | 0.00 | 312.11 | 3,810,000.00 gal |
| Well 4 | Ground water | 1.41 | 0.00 | 0.00 | 118.84 | 3,810,000.00 gal |
| Application event totals | | 13.97 | 0.00 | 0.00 | 430.95 | |
| | | | | | | |
| 10/01/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.56 | 0.00 | 0.00 | 312.11 | 3,810,000.00 gal |
| Well 4 | Ground water | 1.41 | 0.00 | 0.00 | 118.84 | 3,810,000.00 gal |
| Application event totals | | 13.97 | 0.00 | 0.00 | 430.95 | |

D-4 - 11/11/2022: Wheat, silage, boot stage

Field name: D-4

Crop: Wheat, silage, boot stage

Plant date: 11/11/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|----------------------------------|--------------|--------------|----------------------------------|-------------------------|
| 10/17/2022 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | | Process wastewater | 5.10 | 16.59 | 11.19 | 73.54 | 600,000.00 <i>gal</i> |
| Well 1 | | Ground water | 12.92 | 0.00 | 0.00 | 320.90 | 4,110,000.00 <i>gal</i> |
| Well 4 | | Ground water | 1.45 | 0.00 | 0.00 | 122.19 | 4,110,000.00 <i>gal</i> |
| Application event totals | | | 19.46 | 16.59 | 11.19 | 516.63 | |

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

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

D-4 - 11/11/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 10/27/2022 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 98.40 | 35.20 | 177.60 | 0.00 | 256.00 <i>ton</i> |
| Application event totals | | 98.40 | 35.20 | 177.60 | 0.00 | |
| | | | | | | |
| 12/13/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 4.90 | 15.92 | 10.74 | 70.60 | 576,000.00 <i>gal</i> |
| Well 1 | Ground water | 10.75 | 0.00 | 0.00 | 267.03 | 3,420,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.20 | 0.00 | 0.00 | 101.67 | 3,420,000.00 <i>gal</i> |
| Application event totals | | 16.85 | 15.92 | 10.74 | 439.30 | |
| | | | | | | |
| 02/15/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.31 | 0.00 | 0.00 | 281.08 | 3,600,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.27 | 0.00 | 0.00 | 107.02 | 3,600,000.00 <i>gal</i> |
| Application event totals | | 12.58 | 0.00 | 0.00 | 388.11 | |
| | | | | | | |
| 04/04/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.50 | 0.00 | 0.00 | 285.77 | 3,660,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.29 | 0.00 | 0.00 | 108.81 | 3,660,000.00 <i>gal</i> |
| Application event totals | | 12.79 | 0.00 | 0.00 | 394.57 | |
| | | | | | | |
| 05/13/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.50 | 0.00 | 0.00 | 285.77 | 3,660,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.29 | 0.00 | 0.00 | 108.81 | 3,660,000.00 <i>gal</i> |
| Application event totals | | 12.79 | 0.00 | 0.00 | 394.57 | |

D-4 - 06/12/2023: Corn, silage

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

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

D-4 - 06/12/2023: Corn, silage

Field name: D-4

Crop: Corn, silage

Plant date: 06/12/2023

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|----------------------------------|-------------------------|
| 05/21/2023 | Surface (irrigation) | No precipitation | | No precipitation | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | | Process wastewater | 0.11 | 0.05 | 0.35 | 1.88 | 96,000.00 <i>gal</i> |
| Well 1 | | Ground water | 15.08 | 0.00 | 0.00 | 374.77 | 4,800,000.00 <i>gal</i> |
| Well 4 | | Ground water | 1.69 | 0.00 | 0.00 | 142.70 | 4,800,000.00 <i>gal</i> |
| Application event totals | | | 16.88 | 0.05 | 0.35 | 519.35 | |
| | | | | | | | |
| 06/02/2023 | Plow/disc | No precipitation | | No precipitation | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | | Corral solids | 82.00 | 17.60 | 100.00 | 0.00 | 128.00 <i>ton</i> |
| Application event totals | | | 82.00 | 17.60 | 100.00 | 0.00 | |
| | | | | | | | |
| 07/25/2023 | Surface (irrigation) | No precipitation | | No precipitation | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | | Process wastewater | 0.11 | 0.05 | 0.35 | 1.88 | 96,000.00 <i>gal</i> |
| Well 1 | | Ground water | 11.88 | 0.00 | 0.00 | 295.13 | 3,780,000.00 <i>gal</i> |
| Well 4 | | Ground water | 1.33 | 0.00 | 0.00 | 112.38 | 3,780,000.00 <i>gal</i> |
| Application event totals | | | 13.32 | 0.05 | 0.35 | 409.39 | |
| | | | | | | | |
| 08/09/2023 | Surface (irrigation) | No precipitation | | No precipitation | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | | Ground water | 11.69 | 0.00 | 0.00 | 290.45 | 3,720,000.00 <i>gal</i> |
| Well 4 | | Ground water | 1.31 | 0.00 | 0.00 | 110.59 | 3,720,000.00 <i>gal</i> |
| Application event totals | | | 13.00 | 0.00 | 0.00 | 401.04 | |

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

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

D-4 - 06/12/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 08/23/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.97 | 0.00 | 0.00 | 297.48 | 3,810,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.34 | 0.00 | 0.00 | 113.27 | 3,810,000.00 <i>gal</i> |
| Application event totals | | 13.31 | 0.00 | 0.00 | 410.74 | |
| 09/07/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 12.07 | 0.00 | 0.00 | 299.82 | 3,840,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.35 | 0.00 | 0.00 | 114.16 | 3,840,000.00 <i>gal</i> |
| Application event totals | | 13.42 | 0.00 | 0.00 | 413.98 | |
| 09/21/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 11.88 | 0.00 | 0.00 | 295.13 | 3,780,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.33 | 0.00 | 0.00 | 112.38 | 3,780,000.00 <i>gal</i> |
| Application event totals | | 13.21 | 0.00 | 0.00 | 407.51 | |
| 10/05/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 10.37 | 0.00 | 0.00 | 257.66 | 3,300,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.16 | 0.00 | 0.00 | 98.11 | 3,300,000.00 <i>gal</i> |
| Application event totals | | 11.53 | 0.00 | 0.00 | 355.76 | |

D-5 - 11/11/2022: Wheat, silage, boot stage

Field name: D-5

Crop: Wheat, silage, boot stage

Plant date: 11/11/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|

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

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

D-5 - 11/11/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 10/20/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 2.90 | 9.44 | 6.36 | 41.84 | 720,000.00 <i>gal</i> |
| Well 1 | Ground water | 10.73 | 0.00 | 0.00 | 266.51 | 7,200,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.20 | 0.00 | 0.00 | 101.48 | 7,200,000.00 <i>gal</i> |
| Application event totals | | 14.83 | 9.44 | 6.36 | 409.82 | |
| | | | | | | |
| 10/27/2022 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 147.60 | 52.80 | 266.40 | 0.00 | 810.00 <i>ton</i> |
| Application event totals | | 147.60 | 52.80 | 266.40 | 0.00 | |
| | | | | | | |
| 12/16/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 2.90 | 9.44 | 6.36 | 41.84 | 720,000.00 <i>gal</i> |
| Well 1 | Ground water | 9.83 | 0.00 | 0.00 | 244.30 | 6,600,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.10 | 0.00 | 0.00 | 93.02 | 6,600,000.00 <i>gal</i> |
| Application event totals | | 13.84 | 9.44 | 6.36 | 379.15 | |
| | | | | | | |
| 02/18/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 10.28 | 0.00 | 0.00 | 255.40 | 6,900,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.15 | 0.00 | 0.00 | 97.25 | 6,900,000.00 <i>gal</i> |
| Application event totals | | 11.43 | 0.00 | 0.00 | 352.65 | |
| | | | | | | |
| 04/07/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 10.01 | 0.00 | 0.00 | 248.74 | 6,720,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.12 | 0.00 | 0.00 | 94.71 | 6,720,000.00 <i>gal</i> |
| Application event totals | | 11.13 | 0.00 | 0.00 | 343.45 | |

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

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

D-5 - 11/11/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 05/16/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 1 | Ground water | 10.73 | 0.00 | 0.00 | 266.51 | 7,200,000.00 <i>gal</i> |
| Well 4 | Ground water | 1.20 | 0.00 | 0.00 | 101.48 | 7,200,000.00 <i>gal</i> |
| Application event totals | | 11.93 | 0.00 | 0.00 | 367.98 | |

D-5 - 06/07/2023: Corn, silage

Field name: D-5

Crop: Corn, silage

Plant date: 06/07/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/02/2023 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 82.00 | 17.60 | 100.00 | 0.00 | 270.00 <i>ton</i> |
| Application event totals | | 82.00 | 17.60 | 100.00 | 0.00 | |
| | | | | | | |
| 06/09/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 2B | Ground water | 7.90 | 0.00 | 0.00 | 245.97 | 9,060,000.00 <i>gal</i> |
| Well 3 | Ground water | 8.40 | 0.00 | 0.00 | 250.34 | 9,060,000.00 <i>gal</i> |
| Application event totals | | 16.30 | 0.00 | 0.00 | 496.31 | |
| | | | | | | |
| 07/08/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 0.05 | 0.03 | 0.17 | 0.89 | 96,000.00 <i>gal</i> |
| Well 2B | Ground water | 3.29 | 0.00 | 0.00 | 102.62 | 3,780,000.00 <i>gal</i> |
| Well 3 | Ground water | 3.50 | 0.00 | 0.00 | 104.45 | 3,780,000.00 <i>gal</i> |
| Application event totals | | 6.85 | 0.03 | 0.17 | 207.96 | |

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

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

D-5 - 06/07/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|
| 07/22/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 2B | | Ground water | 3.24 | 0.00 | 0.00 | 100.99 | 3,720,000.00 <i>gal</i> |
| Well 3 | | Ground water | 3.45 | 0.00 | 0.00 | 102.79 | 3,720,000.00 <i>gal</i> |
| Application event totals | | | 6.69 | 0.00 | 0.00 | 203.78 | |
| 08/06/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 2B | | Ground water | 3.32 | 0.00 | 0.00 | 103.44 | 3,810,000.00 <i>gal</i> |
| Well 3 | | Ground water | 3.53 | 0.00 | 0.00 | 105.27 | 3,810,000.00 <i>gal</i> |
| Application event totals | | | 6.85 | 0.00 | 0.00 | 208.71 | |
| 08/20/2023 | 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 |
| Well 2B | | Ground water | 3.35 | 0.00 | 0.00 | 104.25 | 3,840,000.00 <i>gal</i> |
| Well 3 | | Ground water | 3.56 | 0.00 | 0.00 | 106.10 | 3,840,000.00 <i>gal</i> |
| Application event totals | | | 6.91 | 0.00 | 0.00 | 210.36 | |
| 09/02/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Well 2B | | Ground water | 3.29 | 0.00 | 0.00 | 102.62 | 3,780,000.00 <i>gal</i> |
| Well 3 | | Ground water | 3.50 | 0.00 | 0.00 | 104.45 | 3,780,000.00 <i>gal</i> |
| Application event totals | | | 6.80 | 0.00 | 0.00 | 207.07 | |

L-1 - 11/12/2022: Wheat, silage, boot stage

Field name: L-1

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|
|------------------|--------------------|------------------------------|----------------------------------|----------------------------------|

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

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

L-1 - 11/12/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|------------------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 10/22/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 7.26 | 0.00 | 0.00 | 264.29 | 3,105,000.00 <i>gal</i> |
| Application event totals | | 7.26 | 0.00 | 0.00 | 264.29 | |
| | | | | | | |
| 11/01/2022 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 147.60 | 52.80 | 266.40 | 0.00 | 120.00 <i>ton</i> |
| Application event totals | | 147.60 | 52.80 | 266.40 | 0.00 | |
| | | | | | | |
| 12/10/2022 | 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 |
| Aunts E | Ground water | 2.68 | 0.00 | 0.00 | 97.67 | 1,147,500.00 <i>gal</i> |
| Aunts W | Ground water | 16.33 | 0.00 | 0.00 | 209.71 | 1,147,500.00 <i>gal</i> |
| Application event totals | | 19.01 | 0.00 | 0.00 | 307.39 | |
| | | | | | | |
| 03/05/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Nitrogen | Liquid commercial fertilizer | 75.00 | 0.00 | 0.00 | 0.00 | |
| Aunts E | Ground water | 2.73 | 0.00 | 0.00 | 99.59 | 1,170,000.00 <i>gal</i> |
| Aunts W | Ground water | 16.65 | 0.00 | 0.00 | 213.82 | 1,170,000.00 <i>gal</i> |
| Application event totals | | 94.38 | 0.00 | 0.00 | 313.41 | |
| | | | | | | |
| 04/10/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 2.63 | 0.00 | 0.00 | 95.76 | 1,125,000.00 <i>gal</i> |
| Aunts W | Ground water | 16.01 | 0.00 | 0.00 | 205.60 | 1,125,000.00 <i>gal</i> |
| Application event totals | | 18.64 | 0.00 | 0.00 | 301.36 | |

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

L-1 - 11/12/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 05/08/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 2.84 | 0.00 | 0.00 | 103.42 | 1,215,000.00 <i>gal</i> |
| Aunts W | Ground water | 17.29 | 0.00 | 0.00 | 222.05 | 1,215,000.00 <i>gal</i> |
| Application event totals | | 20.13 | 0.00 | 0.00 | 325.47 | |

L-1 - 06/10/2023: Corn, silage

Field name: L-1

Crop: Corn, silage

Plant date: 06/10/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|----------------------------------|--------------|--------------|----------------------------------|-------------------------|
| 06/11/2023 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 6.73 | 0.00 | 0.00 | 245.14 | 2,880,000.00 <i>gal</i> |
| Application event totals | | | 6.73 | 0.00 | 0.00 | 245.14 | |
| | | | | | | | |
| 07/07/2023 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 5.05 | 0.00 | 0.00 | 183.86 | 2,160,000.00 <i>gal</i> |
| Application event totals | | | 5.05 | 0.00 | 0.00 | 183.86 | |
| | | | | | | | |
| 07/21/2023 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 5.15 | 0.00 | 0.00 | 187.69 | 2,205,000.00 <i>gal</i> |
| Application event totals | | | 5.15 | 0.00 | 0.00 | 187.69 | |
| | | | | | | | |
| 08/05/2023 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 5.36 | 0.00 | 0.00 | 195.35 | 2,295,000.00 <i>gal</i> |
| Application event totals | | | 5.36 | 0.00 | 0.00 | 195.35 | |

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

L-1 - 06/10/2023: Corn, silage

| Application date | Application method | | Precipitation 24 hours prior | Precipitation during application | | Precipitation 24 hours following | |
|--------------------------|----------------------|---------------|------------------------------|----------------------------------|--------------|----------------------------------|-------------------------|
| 08/19/2023 | 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 |
| Aunts E | | Ground water | 5.26 | 0.00 | 0.00 | 191.52 | 2,250,000.00 <i>gal</i> |
| Application event totals | | | 5.26 | 0.00 | 0.00 | 191.52 | |
| | | | | | | | |
| 09/03/2023 | Surface (irrigation) | | No precipitation | No precipitation | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 5.36 | 0.00 | 0.00 | 195.35 | 2,295,000.00 <i>gal</i> |
| Application event totals | | | 5.36 | 0.00 | 0.00 | 195.35 | |
| | | | | | | | |
| 09/17/2023 | Surface (irrigation) | | No precipitation | No precipitation | | No precipitation | |
| | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 5.15 | 0.00 | 0.00 | 187.69 | 2,205,000.00 <i>gal</i> |
| Application event totals | | | 5.15 | 0.00 | 0.00 | 187.69 | |

L-3 - 01/01/2019: Pistachios

Field name: L-3

Crop: Pistachios

Plant date: 01/01/2019

| Application date | Application method | | Precipitation 24 hours prior | Precipitation during application | | Precipitation 24 hours following | |
|--------------------------|-----------------------|-----------------------------|------------------------------|----------------------------------|------------------|----------------------------------|-------------------------|
| 02/10/2023 | Surface (irrigation) | | No precipitation | | No precipitation | | No precipitation |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | | Ground water | 2.88 | 0.00 | 0.00 | 104.83 | 2,340,000.00 <i>gal</i> |
| Application event totals | | | 2.88 | 0.00 | 0.00 | 104.83 | |
| 03/10/2023 | 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 |
| Nitrogen | | Solid commercial fertilizer | 25.00 | 0.00 | 0.00 | 0.00 | |
| Application event totals | | | 25.00 | 0.00 | 0.00 | 0.00 | |

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

L-3 - 01/01/2019: Pistachios

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|-----------------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 03/15/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 3.10 | 0.00 | 0.00 | 112.89 | 2,520,000.00 <i>gal</i> |
| Application event totals | | 3.10 | 0.00 | 0.00 | 112.89 | |
| 04/12/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 3.32 | 0.00 | 0.00 | 120.96 | 2,700,000.00 <i>gal</i> |
| Application event totals | | 3.32 | 0.00 | 0.00 | 120.96 | |
| 05/20/2023 | 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 |
| Aunts E | Ground water | 3.38 | 0.00 | 0.00 | 122.97 | 2,745,000.00 <i>gal</i> |
| Application event totals | | 3.38 | 0.00 | 0.00 | 122.97 | |
| 06/10/2023 | 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 |
| Nitrogen | Solid commercial fertilizer | 25.00 | 0.00 | 0.00 | 0.00 | |
| Application event totals | | 25.00 | 0.00 | 0.00 | 0.00 | |
| 06/13/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 3.43 | 0.00 | 0.00 | 124.99 | 2,790,000.00 <i>gal</i> |
| Application event totals | | 3.43 | 0.00 | 0.00 | 124.99 | |
| 07/23/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 6.70 | 0.00 | 0.00 | 243.93 | 5,445,000.00 <i>gal</i> |
| Application event totals | | 6.70 | 0.00 | 0.00 | 243.93 | |

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

L-3 - 01/01/2019: Pistachios

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 08/22/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| Aunts E | | Ground water | 3.43 | 0.00 | 0.00 | 124.99 | 2,790,000.00 <i>gal</i> | |
| Application event totals | | | 3.43 | 0.00 | 0.00 | 124.99 | | |
| 09/19/2023 | 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 | |
| Aunts E | | Ground water | 3.49 | 0.00 | 0.00 | 127.01 | 2,835,000.00 <i>gal</i> | |
| Application event totals | | | 3.49 | 0.00 | 0.00 | 127.01 | | |
| 10/04/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| Aunts E | | Ground water | 3.10 | 0.00 | 0.00 | 112.89 | 2,520,000.00 <i>gal</i> | |
| Application event totals | | | 3.10 | 0.00 | 0.00 | 112.89 | | |

L-4 - 01/01/2023: Alfalfa, hay

Field name: L-4

Crop: Alfalfa, hay

Plant date: 01/01/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|----------------------------------|--------------|--------------|----------------------------------|-------------------------|
| 02/15/2023 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | | Ground water | 20.82 | 0.00 | 0.00 | 361.04 | 6,675,000.00 <i>gal</i> |
| Application event totals | | | 20.82 | 0.00 | 0.00 | 361.04 | |
| 03/15/2023 | Surface (irrigation) | No precipitation | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | | Ground water | 21.28 | 0.00 | 0.00 | 369.16 | 6,825,000.00 <i>gal</i> |
| Application event totals | | | 21.28 | 0.00 | 0.00 | 369.16 | |

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

L-4 - 01/01/2023: Alfalfa, hay

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 04/10/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 21.52 | 0.00 | 0.00 | 373.21 | 6,900,000.00 <i>gal</i> |
| Application event totals | | 21.52 | 0.00 | 0.00 | 373.21 | |
| | | | | | | |
| 05/06/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.22 | 0.00 | 0.00 | 153.72 | 6,862,500.00 <i>gal</i> |
| Application event totals | | 4.22 | 0.00 | 0.00 | 153.72 | |
| | | | | | | |
| 05/31/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Aunts E | Ground water | 4.24 | 0.00 | 0.00 | 154.56 | 6,900,000.00 <i>gal</i> |
| Application event totals | | 4.24 | 0.00 | 0.00 | 154.56 | |
| | | | | | | |
| 06/16/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 21.28 | 0.00 | 0.00 | 369.16 | 6,825,000.00 <i>gal</i> |
| Application event totals | | 21.28 | 0.00 | 0.00 | 369.16 | |
| | | | | | | |
| 07/26/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 21.52 | 0.00 | 0.00 | 373.21 | 6,900,000.00 <i>gal</i> |
| Application event totals | | 21.52 | 0.00 | 0.00 | 373.21 | |
| | | | | | | |
| 08/25/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 21.52 | 0.00 | 0.00 | 373.21 | 6,900,000.00 <i>gal</i> |
| Application event totals | | 21.52 | 0.00 | 0.00 | 373.21 | |

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

L-4 - 01/01/2023: Alfalfa, hay

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 09/23/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 21.40 | 0.00 | 0.00 | 371.18 | 6,862,500.00 <i>gal</i> |
| Application event totals | | 21.40 | 0.00 | 0.00 | 371.18 | |

L-5&6 - 11/12/2022: Wheat, silage, boot stage

Field name: L-5&6

Crop: Wheat, silage, boot stage

Plant date: 11/12/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|-----------------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 10/22/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 38.39 | 0.00 | 0.00 | 665.94 | 12,150,000.00 <i>gal</i> |
| Application event totals | | 38.39 | 0.00 | 0.00 | 665.94 | |
| | | | | | | |
| 11/01/2022 | Plow/disc | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Manure | Corral solids | 147.60 | 52.80 | 266.40 | 0.00 | 450.00 <i>ton</i> |
| Application event totals | | 147.60 | 52.80 | 266.40 | 0.00 | |
| | | | | | | |
| 12/10/2022 | 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 |
| 456 | Ground water | 26.07 | 0.00 | 0.00 | 452.18 | 8,250,000.00 <i>gal</i> |
| Application event totals | | 26.07 | 0.00 | 0.00 | 452.18 | |
| | | | | | | |
| 02/05/2023 | 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 |
| Nitrogen | Solid commercial fertilizer | 50.00 | 0.00 | 0.00 | 0.00 | |
| Application event totals | | 50.00 | 0.00 | 0.00 | 0.00 | |

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

L-5&6 - 11/12/2022: Wheat, silage, boot stage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 03/05/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 26.54 | 0.00 | 0.00 | 460.40 | 8,400,000.00 <i>gal</i> |
| Application event totals | | 26.54 | 0.00 | 0.00 | 460.40 | |
| | | | | | | |
| 04/10/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 25.83 | 0.00 | 0.00 | 448.07 | 8,175,000.00 <i>gal</i> |
| Application event totals | | 25.83 | 0.00 | 0.00 | 448.07 | |
| | | | | | | |
| 05/08/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | Ground water | 26.54 | 0.00 | 0.00 | 460.40 | 8,400,000.00 <i>gal</i> |
| Application event totals | | 26.54 | 0.00 | 0.00 | 460.40 | |

L-5&6 - 06/10/2023: Corn, silage

Field name: L-5&6

Crop: Corn, silage

Plant date: 06/10/2023

| Application date | Application method | | Precipitation 24 hours prior | Precipitation during application | | Precipitation 24 hours following | |
|--------------------------|----------------------|---------------|------------------------------|----------------------------------|------------------|----------------------------------|--------------------------|
| 06/12/2023 | Surface (irrigation) | | No precipitation | | No precipitation | | No precipitation |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | | Ground water | 38.96 | 0.00 | 0.00 | 675.81 | 12,330,000.00 <i>gal</i> |
| Application event totals | | | 38.96 | 0.00 | 0.00 | 675.81 | |
| 07/08/2023 | Surface (irrigation) | | No precipitation | | No precipitation | | No precipitation |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| 456 | | Ground water | 27.30 | 0.00 | 0.00 | 473.56 | 8,640,000.00 <i>gal</i> |
| Application event totals | | | 27.30 | 0.00 | 0.00 | 473.56 | |

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

L-5&6 - 06/10/2023: Corn, silage

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|-----------------|----------------------------------|--|
| 07/22/2023 | Surface (irrigation) | No precipitation | | No precipitation | | No precipitation | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| 456 | Ground water | 27.16 | 0.00 | 0.00 | 471.09 | 8,595,000.00 <i>gal</i> | |
| Application event totals | | 27.16 | 0.00 | 0.00 | 471.09 | | |
| 08/06/2023 | Surface (irrigation) | No precipitation | | No precipitation | | No precipitation | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| 456 | Ground water | 27.30 | 0.00 | 0.00 | 473.56 | 8,640,000.00 <i>gal</i> | |
| Application event totals | | 27.30 | 0.00 | 0.00 | 473.56 | | |
| 08/20/2023 | 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 | |
| 456 | Ground water | 27.44 | 0.00 | 0.00 | 476.02 | 8,685,000.00 <i>gal</i> | |
| Application event totals | | 27.44 | 0.00 | 0.00 | 476.02 | | |
| 09/04/2023 | Surface (irrigation) | No precipitation | | No precipitation | | No precipitation | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| 456 | Ground water | 27.16 | 0.00 | 0.00 | 471.09 | 8,595,000.00 <i>gal</i> | |
| Application event totals | | 27.16 | 0.00 | 0.00 | 471.09 | | |

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

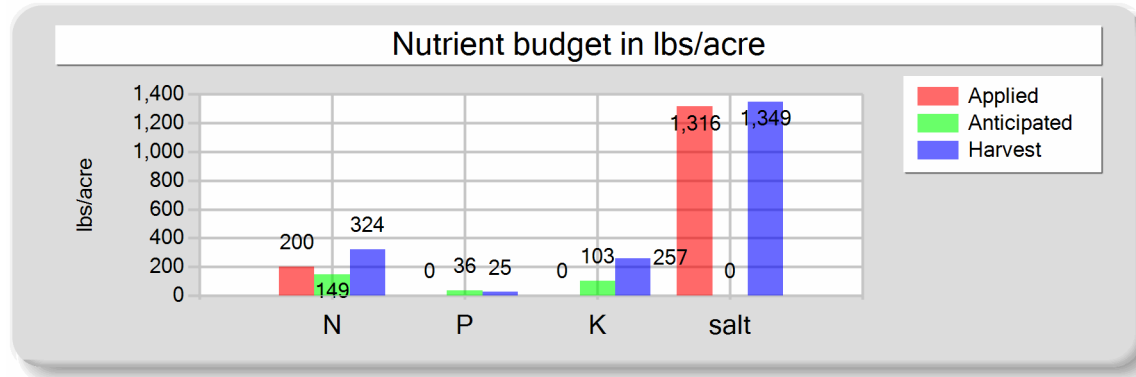
B. NUTRIENT BUDGET

C-1 - 02/09/2007: Pistachios

Field name: C-1

Crop: Pistachios

Plant date: 02/09/2007



| | 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 | 30,915,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,138.49 <i>acre-inches</i> |
| Commercial fertilizer / Other | 150.00 | 0.00 | 0.00 | 0.00 | 28.46 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 | Process wastewater applied |
| Fresh water | 36.12 | 0.00 | 0.00 | 1,315.73 | 0.00 <i>gallons</i> |
| Atmospheric deposition | 14.00 | 0.00 | 0.00 | 0.00 | 0.00 <i>acre-inches</i> |
| Total nutrients applied | 200.12 | 0.00 | 0.00 | 1,315.73 | 0.00 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 148.80 | 36.00 | 103.20 | 0.00 | |
| Actual crop nutrient removal | 323.63 | 25.44 | 257.48 | 1,349.48 | Total harvests for the crop |
| Nutrient balance | -123.51 | -25.44 | -257.48 | -33.75 | 1 <i>harvests</i> |
| Applied to removed ratio | 0.62 | 0.00 | 0.00 | 0.97 | |

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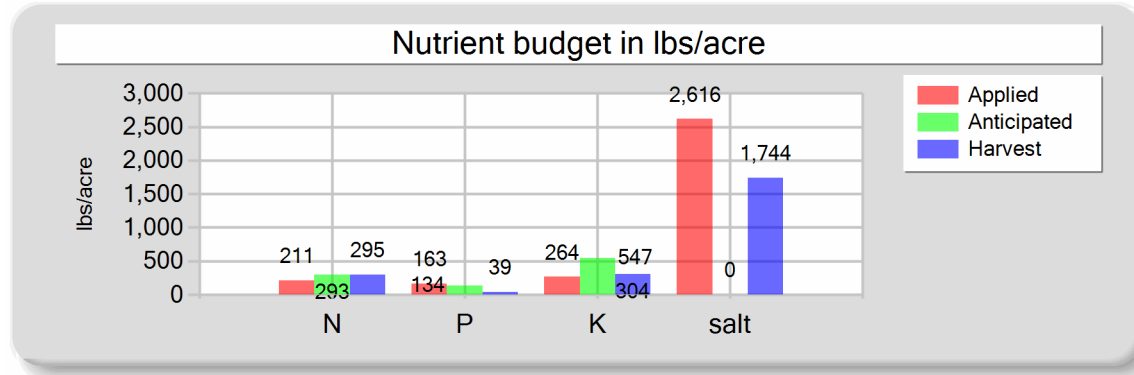
Reporting period 01/01/2023 to 12/31/2023.

D-1 - 11/10/2022: Wheat, silage, boot stage

Field name: D-1

Crop: Wheat, silage, boot stage

Plant date: 11/10/2022



| | 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 | 98.40 | 35.20 | 177.60 | 0.00 |
| Process wastewater | 39.17 | 127.38 | 85.92 | 564.79 |
| Fresh water | 66.48 | 0.00 | 0.00 | 2,051.08 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 211.06 | 162.58 | 263.52 | 2,615.87 |
| Anticipated crop nutrient removal | 292.80 | 134.40 | 547.20 | 0.00 |
| Actual crop nutrient removal | 295.38 | 38.91 | 304.23 | 1,744.00 |
| Nutrient balance | -84.32 | 123.67 | -40.71 | 871.87 |
| Applied to removed ratio | 0.71 | 4.18 | 0.87 | 1.50 |

| Fresh water applied |
|-----------------------------|
| 6,540,000.00 <i>gallons</i> |
| 240.85 <i>acre-inches</i> |
| 21.90 <i>inches/acre</i> |

| Process wastewater applied |
|----------------------------|
| 792,000.00 <i>gallons</i> |
| 29.17 <i>acre-inches</i> |
| 2.65 <i>inches/acre</i> |

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

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

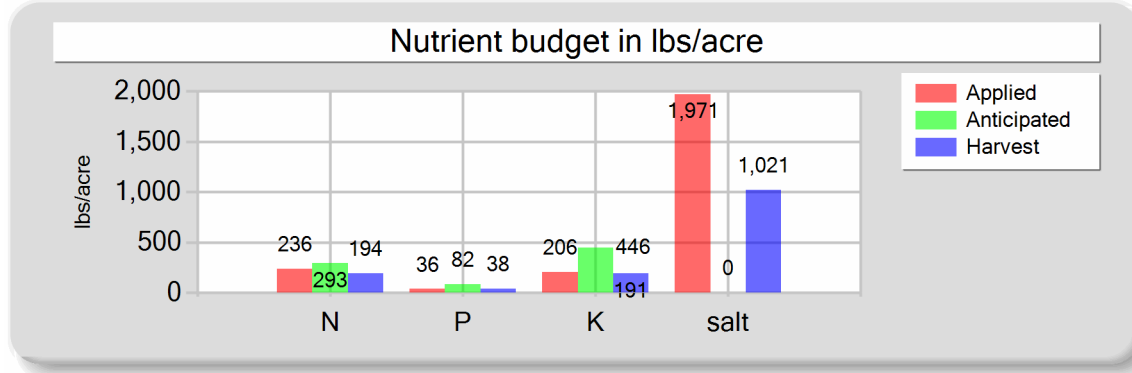
Reporting period 01/01/2023 to 12/31/2023.

D-1 - 06/10/2023: Corn, silage

Field name: D-1

Crop: Corn, silage

Plant date: 06/10/2023



| | 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 | 6,180,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 227.59 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 20.69 <i>inches/acre</i> |
| Dry manure | 164.00 | 35.20 | 200.00 | 0.00 | |
| Process wastewater | 1.87 | 0.94 | 6.10 | 32.77 | |
| Fresh water | 62.82 | 0.00 | 0.00 | 1,938.17 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 235.69 | 36.14 | 206.10 | 1,970.95 | |
| Anticipated crop nutrient removal | 292.80 | 81.60 | 446.40 | 0.00 | |
| Actual crop nutrient removal | 194.25 | 37.94 | 191.22 | 1,021.34 | |
| Nutrient balance | 41.44 | -1.80 | 14.88 | 949.60 | |
| Applied to removed ratio | 1.21 | 0.95 | 1.08 | 1.93 | |
| | | | | | Process wastewater applied |
| | | | | | 288,000.00 <i>gallons</i> |
| | | | | | 10.61 <i>acre-inches</i> |
| | | | | | 0.96 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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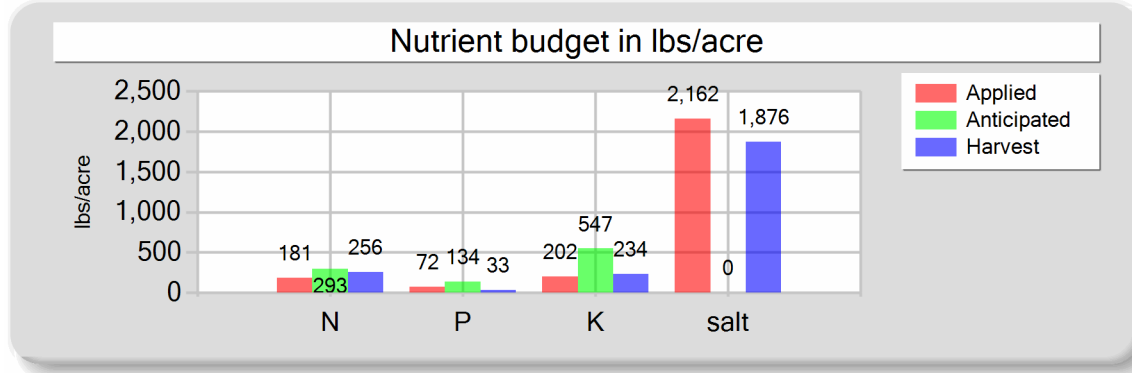
Reporting period 01/01/2023 to 12/31/2023.

D-2 - 11/10/2022: Wheat, silage, boot stage

Field name: D-2

Crop: Wheat, silage, boot stage

Plant date: 11/10/2022



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|------------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 36,540,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,345.64 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 21.36 <i>inches/acre</i> |
| Dry manure | 98.40 | 35.20 | 177.60 | 0.00 | |
| Process wastewater | 11.19 | 36.39 | 24.55 | 161.37 | |
| Fresh water | 64.86 | 0.00 | 0.00 | 2,000.90 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 181.45 | 71.59 | 202.15 | 2,162.27 | |
| Anticipated crop nutrient removal | 292.80 | 134.40 | 547.20 | 0.00 | |
| Actual crop nutrient removal | 256.49 | 32.54 | 233.52 | 1,875.82 | |
| Nutrient balance | -75.04 | 39.05 | -31.37 | 286.45 | |
| Applied to removed ratio | 0.71 | 2.20 | 0.87 | 1.15 | |
| | | | | | Process wastewater applied |
| | | | | | 1,296,000.00 <i>gallons</i> |
| | | | | | 47.73 <i>acre-inches</i> |
| | | | | | 0.76 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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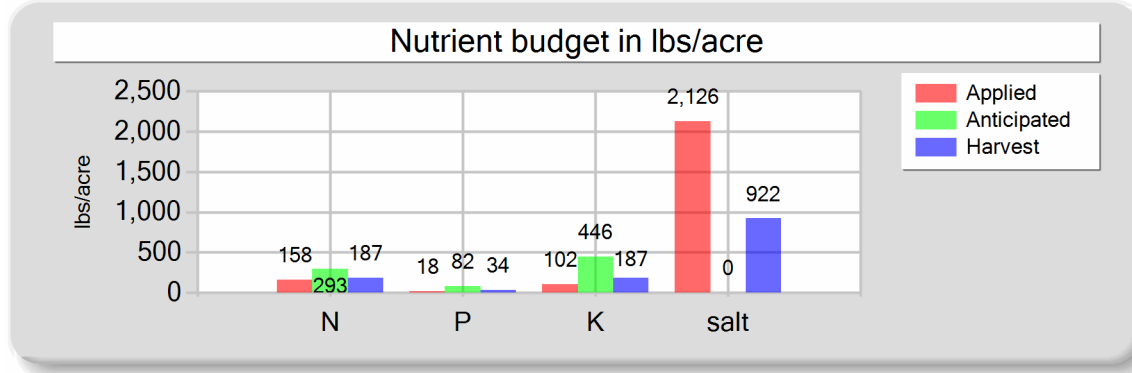
Reporting period 01/01/2023 to 12/31/2023.

D-2 - 06/07/2023: Corn, silage

Field name: D-2

Crop: Corn, silage

Plant date: 06/07/2023



| | 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 | 38,640,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,422.98 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 22.59 <i>inches/acre</i> |
| Dry manure | 82.00 | 17.60 | 100.00 | 0.00 | |
| Process wastewater | 0.60 | 0.30 | 1.95 | 10.49 | |
| Fresh water | 68.58 | 0.00 | 0.00 | 2,115.89 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 158.18 | 17.90 | 101.95 | 2,126.38 | |
| Anticipated crop nutrient removal | 292.80 | 81.60 | 446.40 | 0.00 | |
| Actual crop nutrient removal | 186.93 | 33.55 | 186.93 | 921.89 | |
| Nutrient balance | -28.75 | -15.65 | -84.98 | 1,204.49 | |
| Applied to removed ratio | 0.85 | 0.53 | 0.55 | 2.31 | |
| | | | | | Process wastewater applied |
| | | | | | 528,000.00 <i>gallons</i> |
| | | | | | 19.44 <i>acre-inches</i> |
| | | | | | 0.31 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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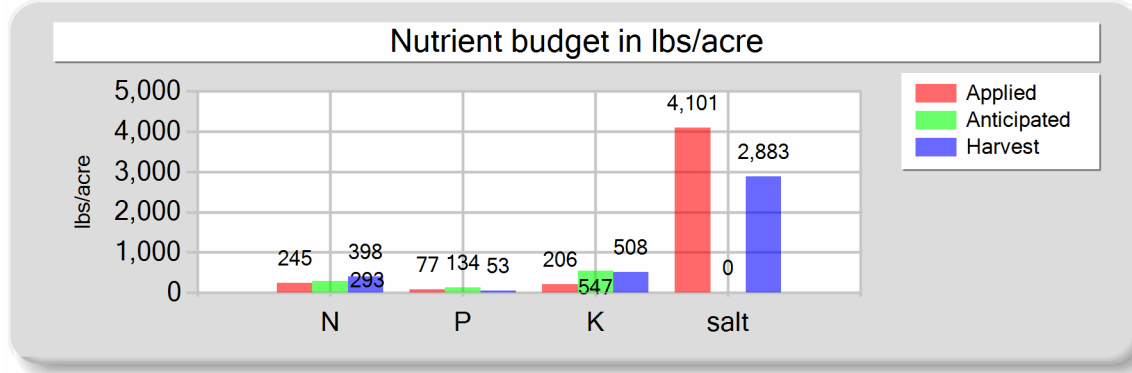
Reporting period 01/01/2023 to 12/31/2023.

D-3 - 11/10/2022: Wheat, silage, boot stage

Field name: D-3

Crop: Wheat, silage, boot stage

Plant date: 11/10/2022



| | 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 | 98.40 | 35.20 | 177.60 | 0.00 |
| Process wastewater | 12.84 | 41.76 | 28.17 | 185.18 |
| Fresh water | 126.93 | 0.00 | 0.00 | 3,915.83 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 245.17 | 76.96 | 205.77 | 4,101.01 |
| Anticipated crop nutrient removal | 292.80 | 134.40 | 547.20 | 0.00 |
| Actual crop nutrient removal | 398.34 | 53.11 | 507.52 | 2,882.82 |
| Nutrient balance | -153.17 | 23.85 | -301.75 | 1,218.19 |
| Applied to removed ratio | 0.62 | 1.45 | 0.41 | 1.42 |

| Fresh water applied |
|------------------------------|
| 69,240,000.00 <i>gallons</i> |
| 2,549.87 <i>acre-inches</i> |
| 41.80 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 1,440,000.00 <i>gallons</i> |
| 53.03 <i>acre-inches</i> |
| 0.87 <i>inches/acre</i> |

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

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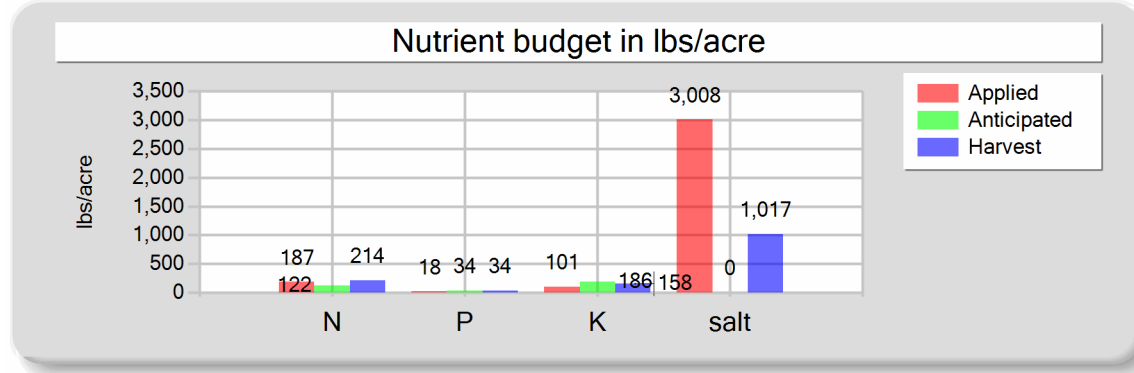
Reporting period 01/01/2023 to 12/31/2023.

D-3 - 06/23/2023: Corn, silage

Field name: D-3

Crop: Corn, silage

Plant date: 06/23/2023



| | 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 | 82.00 | 17.60 | 100.00 | 0.00 |
| Process wastewater | 0.34 | 0.17 | 1.10 | 5.91 |
| Fresh water | 97.32 | 0.00 | 0.00 | 3,002.36 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 186.66 | 17.77 | 101.10 | 3,008.27 |
| Anticipated crop nutrient removal | 122.00 | 34.00 | 186.00 | 0.00 |
| Actual crop nutrient removal | 214.18 | 34.20 | 158.39 | 1,016.91 |
| Nutrient balance | -27.53 | -16.43 | -57.29 | 1,991.36 |
| Applied to removed ratio | 0.87 | 0.52 | 0.64 | 2.96 |

| Fresh water applied |
|------------------------------|
| 53,088,000.00 <i>gallons</i> |
| 1,955.05 <i>acre-inches</i> |
| 32.05 <i>inches/acre</i> |

| Process wastewater applied |
|----------------------------|
| 288,000.00 <i>gallons</i> |
| 10.61 <i>acre-inches</i> |
| 0.17 <i>inches/acre</i> |

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

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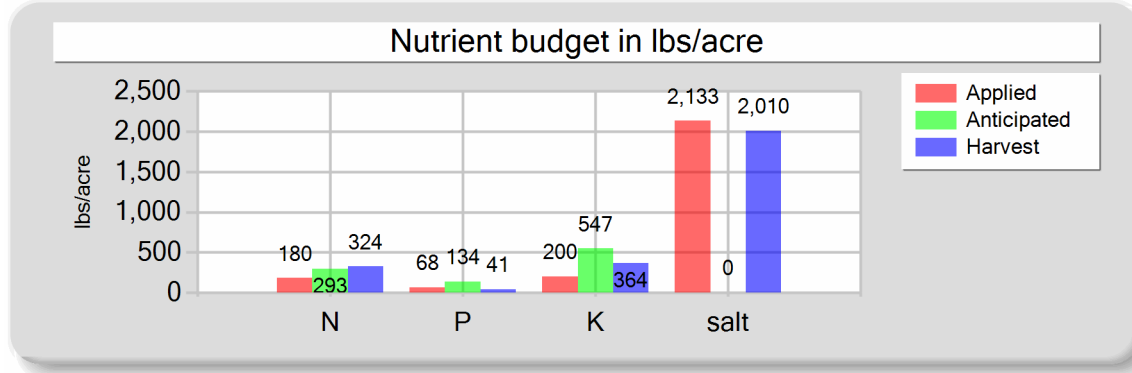
Reporting period 01/01/2023 to 12/31/2023.

D-4 - 11/11/2022: Wheat, silage, boot stage

Field name: D-4

Crop: Wheat, silage, boot stage

Plant date: 11/11/2022



| | 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 | 98.40 | 35.20 | 177.60 | 0.00 |
| Process wastewater | 10.00 | 32.51 | 21.93 | 144.14 |
| Fresh water | 64.47 | 0.00 | 0.00 | 1,989.04 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 179.87 | 67.71 | 199.53 | 2,133.18 |
| Anticipated crop nutrient removal | 292.80 | 134.40 | 547.20 | 0.00 |
| Actual crop nutrient removal | 323.69 | 40.74 | 364.44 | 2,010.06 |
| Nutrient balance | -143.82 | 26.96 | -164.91 | 123.12 |
| Applied to removed ratio | 0.56 | 1.66 | 0.55 | 1.06 |

| Fresh water applied |
|------------------------------|
| 36,900,000.00 <i>gallons</i> |
| 1,358.90 <i>acre-inches</i> |
| 21.23 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 1,176,000.00 <i>gallons</i> |
| 43.31 <i>acre-inches</i> |
| 0.68 <i>inches/acre</i> |

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

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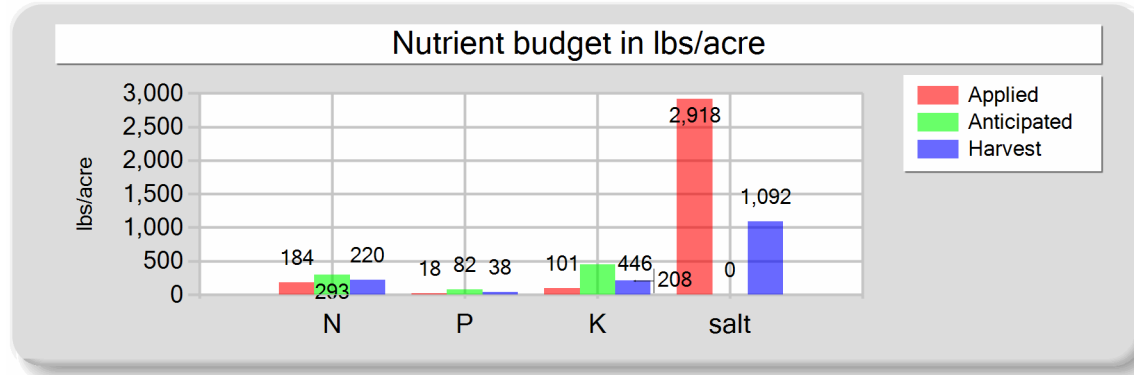
Reporting period 01/01/2023 to 12/31/2023.

D-4 - 06/12/2023: Corn, silage

Field name: D-4

Crop: Corn, silage

Plant date: 06/12/2023



| | 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 | 54,060,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,990.85 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 31.11 <i>inches/acre</i> |
| Dry manure | 82.00 | 17.60 | 100.00 | 0.00 | |
| Process wastewater | 0.21 | 0.11 | 0.70 | 3.76 | |
| Fresh water | 94.46 | 0.00 | 0.00 | 2,914.02 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 183.67 | 17.71 | 100.70 | 2,917.78 | |
| Anticipated crop nutrient removal | 292.80 | 81.60 | 446.40 | 0.00 | |
| Actual crop nutrient removal | 220.44 | 38.49 | 208.20 | 1,091.72 | |
| Nutrient balance | -36.77 | -20.78 | -107.50 | 1,826.05 | |
| Applied to removed ratio | 0.83 | 0.46 | 0.48 | 2.67 | |
| | | | | | Process wastewater applied |
| | | | | | 192,000.00 <i>gallons</i> |
| | | | | | 7.07 <i>acre-inches</i> |
| | | | | | 0.11 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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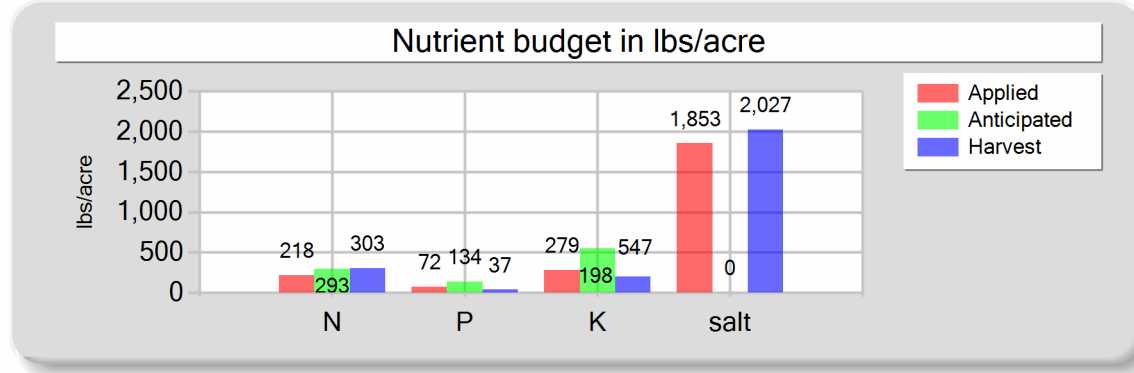
Reporting period 01/01/2023 to 12/31/2023.

D-5 - 11/11/2022: Wheat, silage, boot stage

Field name: D-5

Crop: Wheat, silage, boot stage

Plant date: 11/11/2022



| | 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 | 147.60 | 52.80 | 266.40 | 0.00 |
| Process wastewater | 5.80 | 18.87 | 12.73 | 83.67 |
| Fresh water | 57.35 | 0.00 | 0.00 | 1,769.38 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 217.76 | 71.67 | 279.13 | 1,853.05 |
| Anticipated crop nutrient removal | 292.80 | 134.40 | 547.20 | 0.00 |
| Actual crop nutrient removal | 303.07 | 36.96 | 197.74 | 2,027.26 |
| Nutrient balance | -85.32 | 34.71 | 81.39 | -174.21 |
| Applied to removed ratio | 0.72 | 1.94 | 1.41 | 0.91 |

| Fresh water applied |
|------------------------------|
| 69,240,000.00 <i>gallons</i> |
| 2,549.87 <i>acre-inches</i> |
| 18.89 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 1,440,000.00 <i>gallons</i> |
| 53.03 <i>acre-inches</i> |
| 0.39 <i>inches/acre</i> |

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

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

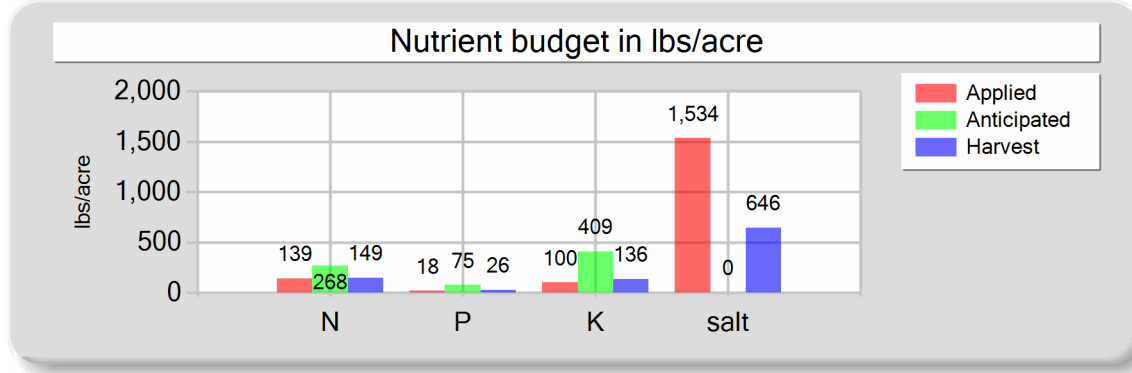
Reporting period 01/01/2023 to 12/31/2023.

D-5 - 06/07/2023: Corn, silage

Field name: D-5

Crop: Corn, silage

Plant date: 06/07/2023



| | 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 | 55,980,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 2,061.55 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 15.27 <i>inches/acre</i> |
| Dry manure | 82.00 | 17.60 | 100.00 | 0.00 | |
| Process wastewater | 0.05 | 0.03 | 0.17 | 0.89 | |
| Fresh water | 50.35 | 0.00 | 0.00 | 1,533.30 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 139.40 | 17.63 | 100.17 | 1,534.19 | |
| Anticipated crop nutrient removal | 268.40 | 74.80 | 409.20 | 0.00 | |
| Actual crop nutrient removal | 148.61 | 26.50 | 135.94 | 646.27 | |
| Nutrient balance | -9.21 | -8.87 | -35.77 | 887.92 | |
| Applied to removed ratio | 0.94 | 0.67 | 0.74 | 2.37 | |
| | | | | | Process wastewater applied |
| | | | | | 96,000.00 <i>gallons</i> |
| | | | | | 3.54 <i>acre-inches</i> |
| | | | | | 0.03 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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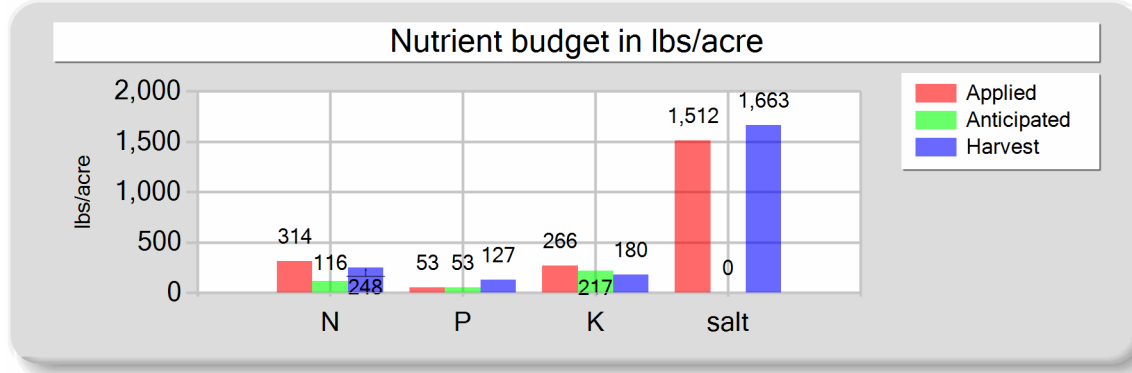
Reporting period 01/01/2023 to 12/31/2023.

L-1 - 11/12/2022: Wheat, silage, boot stage

Field name: L-1

Crop: Wheat, silage, boot stage

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 | 75.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 147.60 | 52.80 | 266.40 | 0.00 |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 |
| Fresh water | 84.41 | 0.00 | 0.00 | 1,511.92 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 314.01 | 52.80 | 266.40 | 1,511.92 |
| Anticipated crop nutrient removal | 115.90 | 53.20 | 216.60 | 0.00 |
| Actual crop nutrient removal | 247.57 | 127.16 | 180.05 | 1,663.19 |
| Nutrient balance | 66.44 | -74.36 | 86.35 | -151.27 |
| Applied to removed ratio | 1.27 | 0.42 | 1.48 | 0.91 |

| Fresh water applied |
|------------------------------|
| 12,420,000.00 <i>gallons</i> |
| 457.39 <i>acre-inches</i> |
| 22.87 <i>inches/acre</i> |

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

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

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

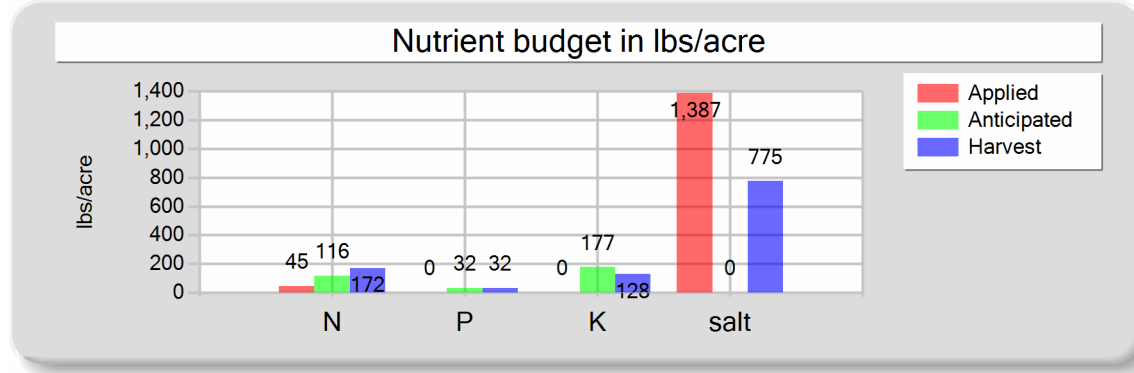
Reporting period 01/01/2023 to 12/31/2023.

L-1 - 06/10/2023: Corn, silage

Field name: L-1

Crop: Corn, silage

Plant date: 06/10/2023



| | 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 | 16,290,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 599.91 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 | |
| Fresh water | 38.06 | 0.00 | 0.00 | 1,386.59 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 45.06 | 0.00 | 0.00 | 1,386.59 | |
| Anticipated crop nutrient removal | 115.90 | 32.30 | 176.70 | 0.00 | |
| Actual crop nutrient removal | 171.64 | 32.08 | 128.33 | 774.79 | |
| Nutrient balance | -126.58 | -32.08 | -128.33 | 611.80 | |
| Applied to removed ratio | 0.26 | 0.00 | 0.00 | 1.79 | |
| | | | | | Process wastewater applied |
| | | | | | 0.00 <i>gallons</i> |
| | | | | | 0.00 <i>acre-inches</i> |
| | | | | | 0.00 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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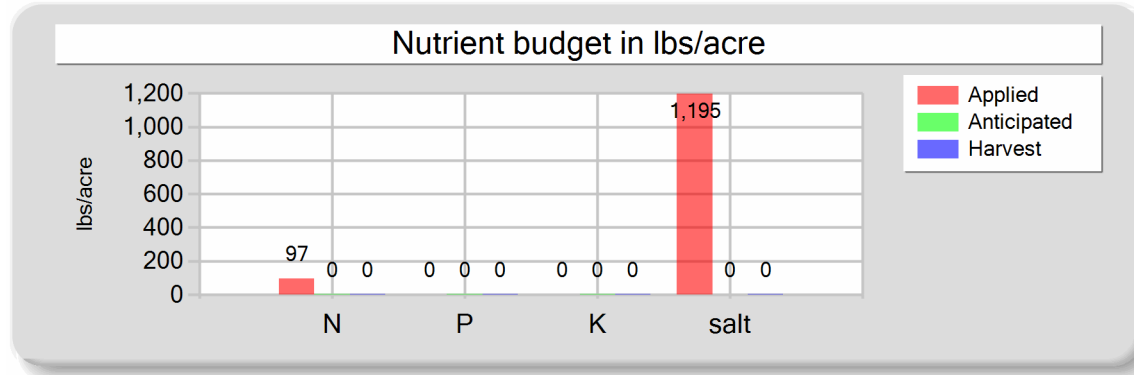
Reporting period 01/01/2023 to 12/31/2023.

L-3 - 01/01/2019: Pistachios

Field name: L-3

Crop: Pistachios

Plant date: 01/01/2019



| | 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 | 26,685,000.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 982.72 <i>acre-inches</i> |
| Commercial fertilizer / Other | 50.00 | 0.00 | 0.00 | 0.00 | 25.86 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 | |
| Fresh water | 32.82 | 0.00 | 0.00 | 1,195.47 | |
| Atmospheric deposition | 14.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 96.82 | 0.00 | 0.00 | 1,195.47 | |
| Anticipated crop nutrient removal | 0.10 | 0.01 | 0.01 | 0.00 | |
| Actual crop nutrient removal | 0.00 | 0.00 | 0.00 | 0.00 | |
| Nutrient balance | 96.82 | 0.00 | 0.00 | 1,195.47 | |
| Applied to removed ratio | 18,395,217,100.00 | 0.00 | 0.00 | 22,736,741.89 | |
| | | | | | Process wastewater applied |
| | | | | | 0.00 <i>gallons</i> |
| | | | | | 0.00 <i>acre-inches</i> |
| | | | | | 0.00 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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

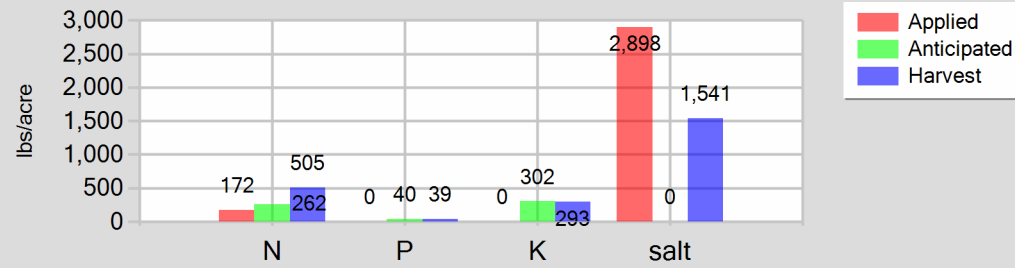
L-4 - 01/01/2023: Alfalfa, hay

Field name: L-4

Crop: Alfalfa, hay

Plant date: 01/01/2023

Nutrient budget in lbs/acre



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 |
| Fresh water | 157.79 | 0.00 | 0.00 | 2,898.45 |
| Atmospheric deposition | 14.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 171.79 | 0.00 | 0.00 | 2,898.45 |
| Anticipated crop nutrient removal | 262.00 | 40.00 | 302.00 | 0.00 |
| Actual crop nutrient removal | 504.59 | 39.28 | 293.08 | 1,540.96 |
| Nutrient balance | -332.79 | -39.28 | -293.08 | 1,357.49 |
| Applied to removed ratio | 0.34 | 0.00 | 0.00 | 1.88 |

| |
|------------------------------|
| Fresh water applied |
| 61,650,000.00 <i>gallons</i> |
| 2,270.36 <i>acre-inches</i> |
| 29.87 <i>inches/acre</i> |

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

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

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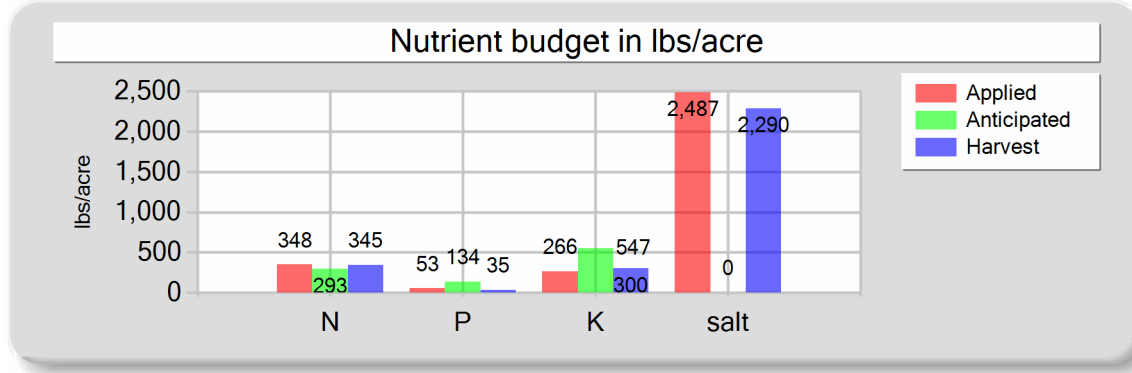
Reporting period 01/01/2023 to 12/31/2023.

L-5&6 - 11/12/2022: Wheat, silage, boot stage

Field name: L-5&6

Crop: Wheat, silage, boot stage

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 | 50.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 147.60 | 52.80 | 266.40 | 0.00 |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 |
| Fresh water | 143.38 | 0.00 | 0.00 | 2,487.00 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 347.98 | 52.80 | 266.40 | 2,487.00 |
| Anticipated crop nutrient removal | 292.80 | 134.40 | 547.20 | 0.00 |
| Actual crop nutrient removal | 344.74 | 35.06 | 299.94 | 2,290.48 |
| Nutrient balance | 3.24 | 17.74 | -33.54 | 196.52 |
| Applied to removed ratio | 1.01 | 1.51 | 0.89 | 1.09 |

| Fresh water applied |
|-----------------------|
| 45,375,000.00 gallons |
| 1,671.01 acre-inches |
| 22.28 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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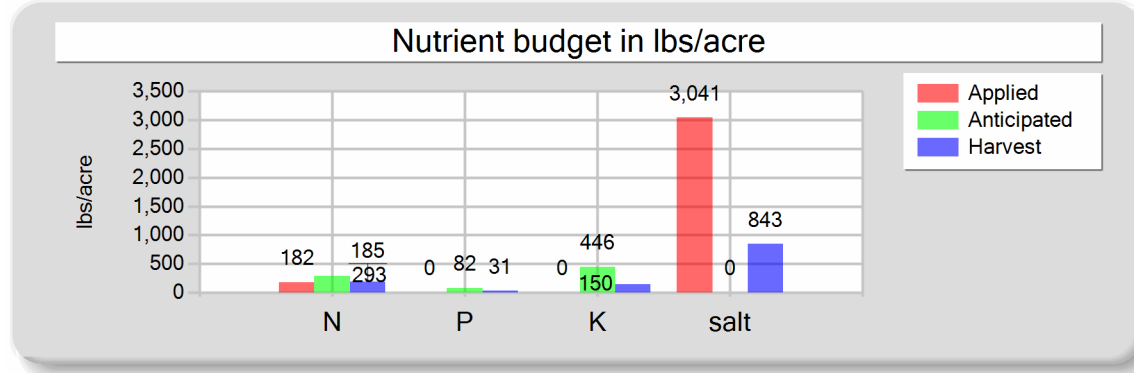
Reporting period 01/01/2023 to 12/31/2023.

L-5&6 - 06/10/2023: Corn, silage

Field name: L-5&6

Crop: Corn, silage

Plant date: 06/10/2023



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 0.00 | 0.00 | 0.00 | 0.00 |
| Fresh water | 175.33 | 0.00 | 0.00 | 3,041.13 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 182.33 | 0.00 | 0.00 | 3,041.13 |
| Anticipated crop nutrient removal | 292.80 | 81.60 | 446.40 | 0.00 |
| Actual crop nutrient removal | 184.73 | 30.53 | 149.62 | 842.73 |
| Nutrient balance | -2.40 | -30.53 | -149.62 | 2,198.40 |
| Applied to removed ratio | 0.99 | 0.00 | 0.00 | 3.61 |

| Fresh water applied |
|------------------------------|
| 55,485,000.00 <i>gallons</i> |
| 2,043.32 <i>acre-inches</i> |
| 27.24 <i>inches/acre</i> |

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

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

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

22J1614

Sample and source description: 22J1614

Sample date: 10/25/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 39.9 %

| | 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 | 12,300.00 | 4,400.00 | 22,200.00 | 9,700.00 | 3,400.00 | 3,400.00 | 2,900.00 | 6,000.00 | | 0.00 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10.00 |

23F0748

Sample and source description: 23F0748

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

Moisture: 31.0 %

| | 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 | 20,500.00 | 4,400.00 | 25,000.00 | | | | | | | 0.00 |
| DL | 0.01 | 0.01 | 0.01 | | | | | | | 10.00 |

23I1707

Sample and source description: 23I1707

Sample date: 09/26/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 53.5 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Calcium (mg/kg) | Magnesium (mg/kg) | Sodium (mg/kg) | Sulfur (mg/kg) | Chloride (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|--------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|---------------------|-----------------------|------------|
| Value | 10,000.00 | 3,200.00 | 16,900.00 | 6,100.00 | 2,700.00 | 2,300.00 | 2,400.00 | 0.00 | | 0.00 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10.00 |

B. PROCESS WASTEWATER ANALYSES

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

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

22J1601

Sample and source description: 22J1601

Sample date: 10/25/2022 Material type: Process wastewater Source of analysis: Lab analysis pH:

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 61.90 | 46.30 | 0.00 | 3.30 | 212.00 | 143.00 | 105.00 | 17.70 | 124.00 | 709.00 | 0.00 | 39.70 | 84.80 | | 940 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10 |

23C0862

Sample and source description: 23C0862

Sample date: 03/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 328.00 | 217.00 | 0.00 | 0.80 | 110.00 | 918.00 | | | | | | | | | 1,140 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

23F0724

Sample and source description: 23F0724

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

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 8.24 | 5.93 | 0.00 | 0.30 | 4.28 | 27.90 | | | | | | | | | 150 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

23I1696

Sample and source description: 23I1696

Sample date: 09/26/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 216.00 | 172.00 | 0.00 | 0.70 | 90.70 | 452.00 | 116.00 | 53.30 | 81.00 | 1,460.00 | 0.00 | 12.70 | 153.00 | | 2,380 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 10 |

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

23L0352

Sample and source description: 23L0352

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

| | Kjeldahl-N (mg/L) | NH4-N (mg/L) | NH3-N (mg/L) | Nitrate-N (mg/L) | Total P (mg/L) | Total K (mg/L) | Calcium (mg/L) | Magnes. (mg/L) | Sodium (mg/L) | Bicarb. (mg/L) | Carb. (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|-------|----------------------|-----------------|-----------------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|---------------|
| Value | 216.00 | 183.00 | 0.00 | 0.50 | 70.00 | 476.00 | | | | | | | | | 2,400 |
| DL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | 10 |

C. FRESH WATER ANALYSES

456

22G1432

Sample description: 22G1432

Sample date: 07/19/2022 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 | 28.40 | | | | | | | | | | 821.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Aunts E

22G1432

Sample description: 22G1432

Sample date: 07/19/2022 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 | 5.60 | | | | | | | | | | 340.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Aunts W

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

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

Aunts W

22G1432

Sample description: 22G1432

Sample date: 07/19/2022 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 | 34.10 | | | | | | | | | | 730.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Dom 1

23L0345

Sample description: 23L0345

Sample date: 12/06/2023 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 | 16.90 | | | | | | | | | | 853.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Dom 2

23L0345

Sample description: 23L0345

Sample date: 12/06/2023 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 | 17.50 | | | | | | | | | | 888.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Well 1

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

Well 1

23G1432

Sample description: 23G1432

Sample date: 07/19/2022 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 | 24.10 | | | | | | | | | | 998.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Well 2B

22G1432

Sample description: 22G1432

Sample date: 07/19/2022 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 | 14.10 | | | | | | | | | | 732.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Well 3

22G1432

Sample description: 22G1432

Sample date: 07/19/2022 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 | 15.00 | | | | | | | | | | 745.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

Well 4

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

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

Well 4**22G1432**Sample description: 22G1432Sample date: 07/19/2022 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 | 2.70 | | | | | | | | | | 380.00 | |
| DL | 0.01 | | | | | | | | | | 10.00 | |

D. SOIL ANALYSES*No soil analyses entered.***E. PLANT TISSUE ANALYSES****C-1 - 02/09/2007: Pistachios****2.370.671**Sample and source description: 2.370.671Sample date: 06/16/2022 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 7.9 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 31,800.00 | 2,500.00 | 25,300.00 | | 13.26 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-1 - 11/10/2022: Wheat, silage, boot stage

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

D-1 - 11/10/2022: Wheat, silage, boot stage

2.395.925

Sample and source description: 2.395.925

Sample date: 06/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 16,700.00 | 2,200.00 | 17,200.00 | | 9.86 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-1 - 06/10/2023: Corn, silage

2.405.251

Sample and source description: 2.405.251

Sample date: 09/08/2023 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 | 12,800.00 | 2,500.00 | 12,600.00 | | 6.73 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-2 - 11/10/2022: Wheat, silage, boot stage

2.395.926

Sample and source description: 2.395.926

Sample date: 06/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 58.1 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 13,400.00 | 1,700.00 | 12,200.00 | | 9.80 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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

D-2 - 06/07/2023: Corn, silage

2.407.665

Sample and source description: 2.407.665

Sample date: 09/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.8 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 11,700.00 | 2,100.00 | 11,700.00 | | 5.77 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-3 - 11/10/2022: Wheat, silage, boot stage

2.395.922

Sample and source description: 2.395.922

Sample date: 06/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 40.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 13,500.00 | 1,800.00 | 17,200.00 | | 9.77 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-3 - 06/23/2023: Corn, silage

2.409.746

Sample and source description: 2.409.746

Sample date: 10/13/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 11,900.00 | 1,900.00 | 8,800.00 | | 5.65 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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

D-4 - 11/11/2022: Wheat, silage, boot stage

2.395.924

Sample and source description: 2.395.924

Sample date: 06/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 54.3 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 14,300.00 | 1,800.00 | 16,100.00 | | 8.88 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-4 - 06/12/2023: Corn, silage

2.408.176

Sample and source description: 2.408.176

Sample date: 10/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 12,600.00 | 2,200.00 | 11,900.00 | | 6.24 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

D-5 - 11/11/2022: Wheat, silage, boot stage

2.394.800

Sample and source description: 2.394.800

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

Moisture: 56.0 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 16,400.00 | 2,000.00 | 10,700.00 | | 10.97 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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

D-5 - 06/07/2023: Corn, silage

2.406.024

Sample and source description: 2.406.024

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

Moisture: 67.6 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 12,900.00 | 2,300.00 | 11,800.00 | | 5.61 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

L-1 - 11/12/2022: Wheat, silage, boot stage

2.395.923

Sample and source description: 2.395.923

Sample date: 06/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.0 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 22,000.00 | 11,300.00 | 16,000.00 | | 14.78 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

L-1 - 06/10/2023: Corn, silage

2.407.684

Sample and source description: 2.407.684

Sample date: 09/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.3 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 10,700.00 | 2,000.00 | 8,000.00 | | 4.83 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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

L-3 - 01/01/2019: Pistachios

00000

Sample and source description: 00000

Sample date: 12/31/2023 Source of analysis: Other/estimated Method of reporting: As-is

Moisture: 0.1 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 0.01 | 0.01 | 0.01 | | 0.01 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

L-4 - 01/01/2023: Alfalfa, hay

2.391.949

Sample and source description: 2.391.949

Sample date: 04/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 15.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 33,400.00 | 2,600.00 | 19,400.00 | | 10.20 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

L-5&6 - 11/12/2022: Wheat, silage, boot stage

2.394.801

Sample and source description: 2.394.801

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

Moisture: 61.8 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,700.00 | 1,800.00 | 15,400.00 | | 11.76 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

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

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

L-5&6 - 06/10/2023: Corn, silage

2.407.683

Sample and source description: 2.407.683

Sample date: 09/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.8 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|-------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 12,100.00 | 2,000.00 | 9,800.00 | | 5.52 |
| DL | 0.01 | 0.01 | 0.01 | | 0.01 |

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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

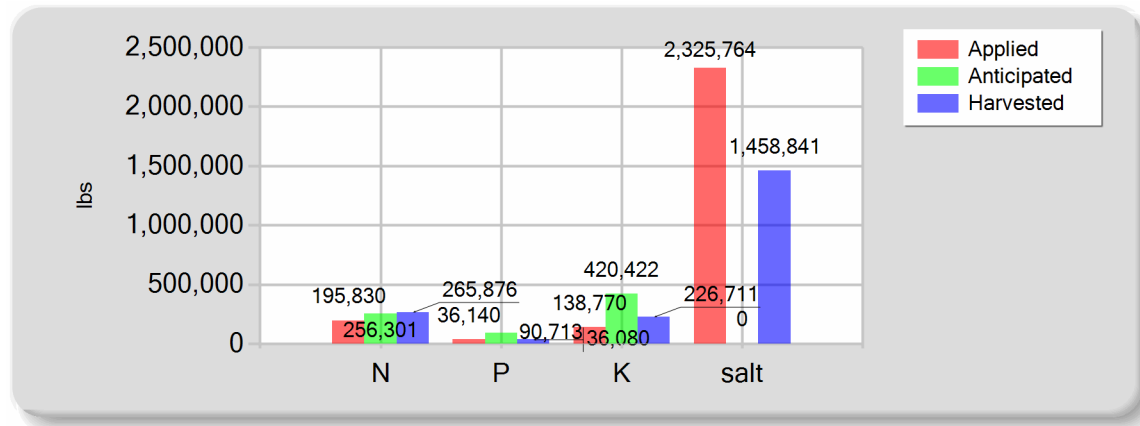
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

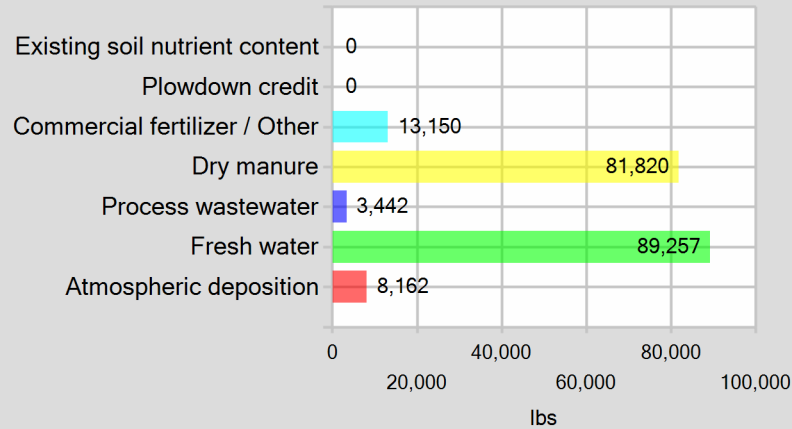
| | Total N (lbs) | Total P (lbs) | Total K (lbs) | Total salt (lbs) |
|-----------------------------------|---------------|---------------|---------------|------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 13,150.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 81,819.60 | 25,220.80 | 131,114.40 | 0.00 |
| Process wastewater | 3,442.12 | 10,919.31 | 7,655.94 | 49,937.82 |
| Fresh water | 89,256.60 | 0.00 | 0.00 | 2,275,826.17 |
| Atmospheric deposition | 8,162.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 195,830.32 | 36,140.11 | 138,770.34 | 2,325,763.99 |
| Anticipated crop nutrient removal | 256,301.40 | 90,712.78 | 420,422.38 | 0.00 |
| Actual crop nutrient removal | 265,875.55 | 36,079.81 | 226,711.11 | 1,458,841.31 |
| Nutrient balance | -70,045.24 | 60.30 | -87,940.76 | 866,922.68 |
| Applied to removed ratio | 0.74 | 1.00 | 0.61 | 1.59 |

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

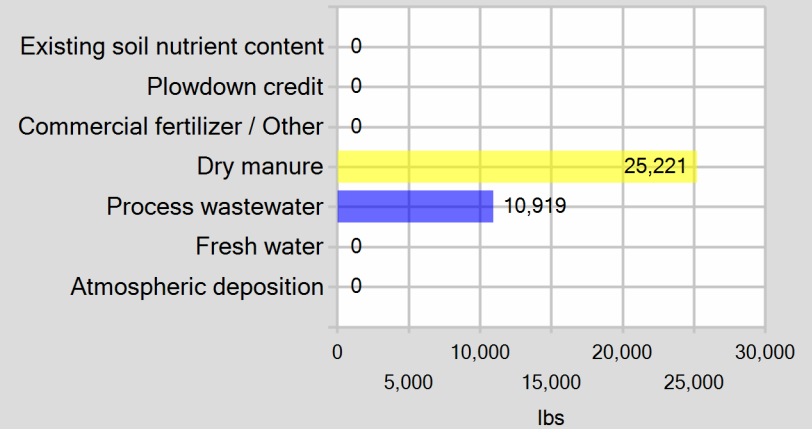


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

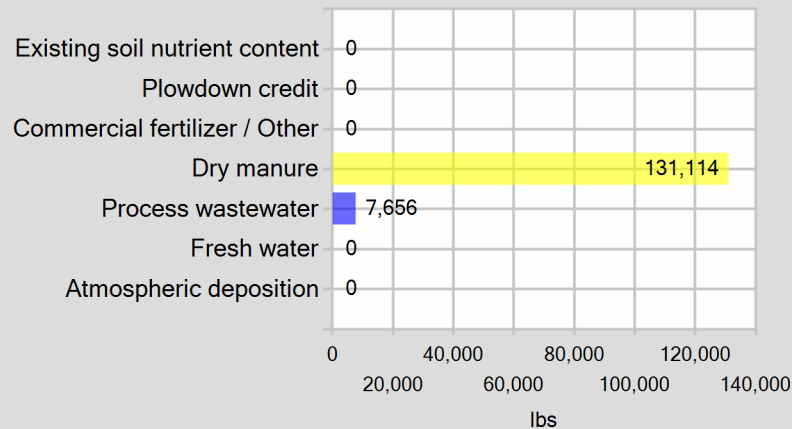
Pounds of nitrogen applied



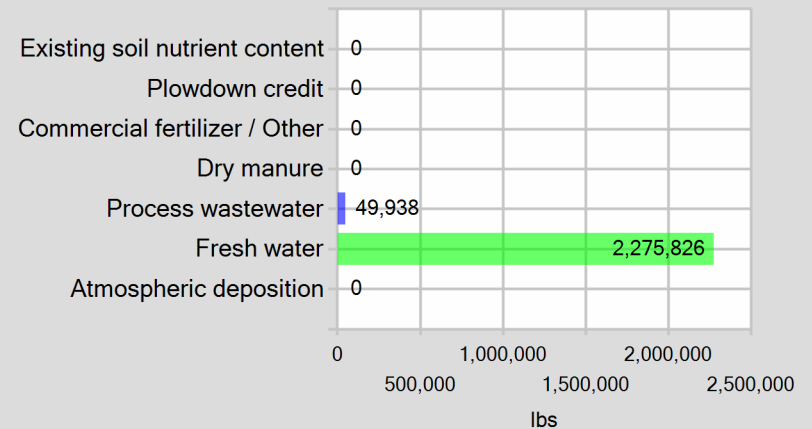
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

Pistachios too young to harvest.

Wells 1, 2B, 3, 4, Aunts E, Aunts W and 456 were unable to be sampled. Used 2022 Labs.

C-1 Used harvest lab from 2022. Crop did not get sampled.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

SIGNATURE OF OWNER OF FACILITY

SIGNATURE OF OPERATOR OF FACILITY

Joe Airosa

Josy Airosa

PRINT OR TYPE NAME

PRINT OR TYPE NAME

DATE

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Groundwater Monitoring

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

Storm Water Monitoring

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

Report of Dairy Well Water Analysis

Airoso Dairy
PO Box 1087
Tipton
00-0018540

CA 93272
08

E-mail: martyverhoeven@gmail.com
Copy To:

Lab No.: 23L0345
Sampled By: Pamela Verhoeven
Requested By: Marty Verhoeven
Submitted Date: 12/07/23
Reported Date: 12/11/23
Project: 18809 Road 64, Tulare 93274
Crop ID:

| | | Date Sampled | Time Sampled | EC μmhos/cm | EC mmhos/cm | NO ₃ -N mg/L | Field NH ₄ -N mg/L | Total NH ₄ -N mg/L | pH at 25°C unit |
|---|----------------------|-----------------|-----------------|----------------|----------------|----------------------------|-------------------------------------|-------------------------------------|-----------------------|
| 1 | Dom 1 (Valve @ Well) | 12/06/23 | 11:25 | 853 | 0.85 | 16.9 | * | | 7.7 |
| 2 | Dom 2 (Valve @ Well) | 12/06/23 | 11:25 | 888 | 0.89 | 17.5 | * | | 7.4 |

* = Field NH₄-N not Taken.
ND = None Detected

Approved By:

Scott M. Friedland

Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02

12/07/23 06:45

23L0345

WATER WORK REQUEST

Bill To: Acct No. 18540 Cons. 08

Purchase Order No. _____ Results Needed By _____

Client Airoso Dairy
Address P.O. Box 1087
City, State, Zip Tipton, CA 93272
Email: _____

Copy to: martyverhoeven@gmail.com, Andrew K. (DLI)

Requested by/Cell: Marty Verhoeven/ 559-410-2420

Facility: 18809 Road 64, Tulare 93274

Date sampled 12-6-23
Sampled by Pamela Verhoeven

☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB

DESCRIPTION OF SAMPLES

| | |
|-----------------|-----------------------------------|
| 1. <u>Dom 1</u> | Sampled From: <u>Valve @ well</u> |
| 2. <u>Dom 2</u> | Sampled From: <u>Valve @ well</u> |
| 3. | Sampled From: _____ |
| 4. | Sampled From: _____ |
| 5. | Sampled From: _____ |
| 6. | Sampled From: _____ |
| 7. | Sampled From: _____ |
| 8. | Sampled From: _____ |
| 9. | Sampled From: _____ |
| 10. | Sampled From: _____ |

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

No. of Samples 2 No. Bottles 2

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

Analysis and Bottles Required: (Please Indicate Analysis)

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

| Date Sampled | Time Sampled | Field NH ₄ -N (mg/L) | Received Temp °C | H/F |
|---|--------------|---------------------------------|------------------|-------------|
| <u>12-6-23</u> | <u>11:25</u> | | <u>3.1</u> | <u>10.0</u> |
| <u>12-6-23</u> | <u>11:30</u> | | <u>2.6</u> | <u>10.5</u> |
| IR Thermometer SN: 200560723 Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Laboratory | | | | |
| IR Thermometer SN: 221511276 Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Hanford | | | | |

CHAIN OF CUSTODY

| Carrier | Signature | Company | Received (Date/Time) | Relinquished (Date/Time) |
|---------|-------------------------|-------------|----------------------|--------------------------|
| First | <u>Pamela Verhoeven</u> | <u>VDFC</u> | <u>12-6-23 11:25</u> | <u>12/6/23 3:11</u> |
| Second | <u>CTT</u> | <u>DCT</u> | <u>12/6/23 3:11</u> | <u>12/6/23 3:11</u> |
| Third | <u>SMH</u> | <u>ATI</u> | <u>12/7 06:45</u> | |
| Fourth | | | | |

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Items are not 30 days to return accounts will be charged a closed damage fee of 2% per month (maximum 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. (CALI). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through CALI under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

Invoicing Information: Price List 2022

Sampling Hrs _____ Miles _____ Consulting _____

Shipping \$ _____ In _____ Out _____

Am't Paid _____ Rec By _____ Check No. _____ Date _____

Signature _____

Sample received in cooler with ice? ☐ Yes ☐ No

att: update 2020