

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:** B.V. Dairy

Physical address of dairy:

18904 Bear Mountain Blvd.

Number and Street

Bakersfield

City

Kern

County

93307

Zip Code

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

Date facility was originally placed in operation: 01/01/2005Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X184-X030-XX52-XXXX**B. OPERATORS**

Bidart, John

Operator name: Bidart, JohnTelephone no.: (661) 397-5400

Landline

Cellular

P.O. Box 11810

Mailing Address Number and Street

Bakersfield

City

CA

State

93389

Zip Code

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

Bidart, John

Legal owner name: Bidart, JohnTelephone no.: (661) 397-5400

Landline

Cellular

P.O. Box 11810

Mailing Address Number and Street

Bakersfield

City

CA

State

93389

Zip Code

This owner is responsible for paying permit fees.

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

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

AVAILABLE NUTRIENTS

A. HERD INFORMATION

| | Milk Cows | Dry Cows | Bred Heifers (15-24 mo.) | Heifers (7-14 mo. to breeding) | Calves (4-6 mo.) | Calves (0-3 mo.) |
|-------------------------|-----------|----------|-----------------------------|-----------------------------------|---------------------|---------------------|
| Number open confinement | 0 | 0 | 375 | 350 | 450 | 0 |
| Number under roof | 3,410 | 560 | 0 | 0 | 0 | 0 |
| Maximum number | 3,445 | 605 | 390 | 365 | 475 | 0 |
| Average number | 3,410 | 560 | 375 | 350 | 450 | 0 |
| Avg live weight (lbs) | 1,400 | 1,450 | 1,000 | 750 | | |

Predominant milk cow breed: Holstein

Average milk production: 75 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 106,518.50 tons per reporting period

Total nitrogen from manure: 1,363,806.18 lbs per reporting period

After ammonia losses (30% loss applied): 954,664.33 lbs per reporting period

Total phosphorus from manure: 225,182.96 lbs per reporting period

Total potassium from manure: 664,248.31 lbs per reporting period

Total salt from manure: 1,734,370.50 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 67,394,107 gallons

Total nitrogen generated: 231,130.34 lbs

Total phosphorus generated: 42,840.42 lbs

Total potassium generated: 300,897.06 lbs

Total salt generated: 2,274,644.69 lbs

| |
|--------------------------------|
| 67,394,107 gallons applied |
| + 0 gallons exported |
| - 0 gallons imported |
| = 67,394,107 gallons generated |

D. FRESH WATER SOURCES

| Source Description | Type |
|--------------------|---------------|
| Buena Vista ID | Surface water |
| BV 11 | Ground water |
| BV 3 | Ground water |
| BV 4 | Ground water |
| BV 9 | Ground water |

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

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

| Source Description | Type |
|--------------------|--------------|
| Dairy Well | 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.

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

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

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

| Field name | Controlled acres | Cropable acres | Total harvests | Type of waste applied | Parcel number |
|---|------------------|----------------|----------------|-----------------------|--|
| BV-1 | 42 | 42 | 2 | process wastewater | X184-X110-XX73-XXXX |
| BV-10 | 68 | 68 | 2 | process wastewater | X184-X030-XX52-XXXX |
| BV-11 | 10 | 10 | 2 | process wastewater | X184-X030-XX52-XXXX |
| BV-3 | 108 | 108 | 2 | process wastewater | X184-X030-XX52-XXXX |
| BV-4 | 110 | 110 | 2 | process wastewater | X184-X110-XX73-XXXX |
| BV-5 | 50 | 50 | 2 | process wastewater | X184-X030-XX52-XXXX X184-X110-XX72-XXXX |
| BV-6 | 10 | 10 | 2 | process wastewater | X184-X030-XX52-XXXX |
| BV-7 | 130 | 130 | 1 | none | X184-X030-XX52-XXXX X184-X110-XX72-XXXX |
| BV-8 | 130 | 130 | 1 | none | X184-X030-XX52-XXXX |
| BV-9 | 75 | 75 | 2 | process wastewater | X184-X030-XX52-XXXX |
| Totals for areas that were used for application | 473 | 473 | 16 | | |
| Totals for areas that were not used for application | 260 | 260 | 2 | | |
| Land application area totals | 733 | 733 | 18 | | |

B. CROPS AND HARVESTS

BV-1

Field name: BV-1

11/10/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 42 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 (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/27/2023 | 765.00 ton | Dry-weight | | 69.7 | 17,900.00 | 2,700.00 | 12,800.00 | | 7.56 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 18.21 | 197.58 | 29.80 | 141.28 | 834.46 |

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

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

BV-1

06/01/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 42 Plant date: 06/01/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/25/2023 | 1,065.00 ton | Dry-weight | | 69.6 | 13,100.00 | 2,800.00 | 17,900.00 | | 11.40 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 25.36 | 201.96 | 43.17 | 275.97 | 1,757.55 |

BV-10

Field name: BV-10

11/10/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 68 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 (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/28/2023 | 1,240.00 ton | Dry-weight | | 67.9 | 17,000.00 | 3,400.00 | 17,800.00 | | 10.70 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 18.24 | 199.02 | 39.80 | 208.39 | 1,252.66 |

06/01/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 68 Plant date: 06/01/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/26/2023 | 1,724.00 ton | Dry-weight | | 67.5 | 11,500.00 | 2,800.00 | 26,200.00 | | 13.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 25.35 | 189.51 | 46.14 | 431.76 | 2,191.76 |

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

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

BV-11

Field name: BV-11

11/10/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 10 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 (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/28/2023 | 195.00 ton | Dry-weight | | 67.6 | 16,700.00 | 3,600.00 | 16,600.00 | | 10.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 19.50 | 211.02 | 45.49 | 209.76 | 1,301.51 |

06/02/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 10 Plant date: 06/02/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/26/2023 | 284.00 ton | Dry-weight | | 64.7 | 11,300.00 | 2,800.00 | 22,600.00 | | 12.10 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 28.40 | 226.57 | 56.14 | 453.14 | 2,426.10 |

BV-3

Field name: BV-3

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

Crop: Wheat, silage, soft dough Acres planted: 108 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 (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/10/2023 | 1,962.00 ton | Dry-weight | | 75.8 | 23,400.00 | 4,600.00 | 26,600.00 | | 12.20 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 18.17 | 205.75 | 40.45 | 233.88 | 1,072.71 |

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

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

BV-3

06/02/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 108 Plant date: 06/02/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/25/2023 | 2,725.00 ton | Dry-weight | | 69.9 | 12,800.00 | 1,800.00 | 10,800.00 | | 10.50 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 25.23 | 194.42 | 27.34 | 164.05 | 1,594.88 |

BV-4

Field name: BV-4

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 110 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 (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/10/2023 | 1,999.00 ton | Dry-weight | | 66.3 | 17,700.00 | 3,400.00 | 20,500.00 | | 8.12 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 18.17 | 216.80 | 41.64 | 251.09 | 994.57 |

06/05/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 110 Plant date: 06/05/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/25/2023 | 2,779.00 ton | Dry-weight | | 65.7 | 13,000.00 | 3,200.00 | 21,600.00 | | 12.10 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 25.26 | 225.30 | 55.46 | 374.35 | 2,097.03 |

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

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

BV-5

Field name: BV-5

11/13/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 50 Plant date: 11/13/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/27/2023 | 937.00 ton | Dry-weight | | 68.7 | 17,100.00 | 2,800.00 | 10,900.00 | | 6.65 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 18.74 | 200.60 | 32.85 | 127.87 | 780.13 |

06/05/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 50 Plant date: 06/05/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/25/2023 | 1,277.00 ton | Dry-weight | | 67.4 | 13,300.00 | 3,000.00 | 24,700.00 | | 12.90 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 25.54 | 221.47 | 49.96 | 411.31 | 2,148.12 |

BV-6

Field name: BV-6

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 10 Plant date: 11/14/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/10/2023 | 194.00 ton | Dry-weight | | 66.9 | 17,600.00 | 3,900.00 | 23,200.00 | | 10.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 19.40 | 226.03 | 50.09 | 297.95 | 1,322.81 |

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

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

BV-6

06/06/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 10 Plant date: 06/06/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/25/2023 | 271.00 ton | Dry-weight | | 65.4 | 11,800.00 | 3,000.00 | 22,200.00 | | 11.60 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 27.10 | 221.29 | 56.26 | 416.32 | 2,175.37 |

BV-7

Field name: BV-7

03/20/2019: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 130 Plant date: 03/20/2019

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 11/07/2023 | 1,102.00 ton | Dry-weight | | 11.3 | 35,100.00 | 2,900.00 | 25,100.00 | | 10.80 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 8.00 | 480.00 | 43.20 | 336.00 | 1,600.00 |
| Total actual harvest content | 8.48 | 527.84 | 43.61 | 377.46 | 1,624.11 |

BV-8

Field name: BV-8

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

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

BV-8

03/24/2019: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 130 Plant date: 03/24/2019

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 11/07/2023 | 1,110.00 ton | Dry-weight | | 8.3 | 36,700.00 | 3,100.00 | 24,900.00 | | 11.60 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 8.00 | 480.00 | 43.20 | 336.00 | 1,600.00 |
| Total actual harvest content | 8.54 | 574.71 | 48.54 | 389.92 | 1,816.51 |

BV-9

Field name: BV-9

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 75 Plant date: 11/14/2022

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 05/27/2023 | 1,378.00 ton | Dry-weight | | 68.1 | 17,900.00 | 3,600.00 | 17,000.00 | | 10.70 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 18.00 | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Total actual harvest content | 18.37 | 209.83 | 42.20 | 199.28 | 1,254.27 |

06/06/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 75 Plant date: 06/06/2023

| Harvest date | Yield | Reporting basis | Density (lbs/cu ft) | Moisture (%) | N (mg/kg) | P (mg/kg) | K (mg/kg) | Salt (mg/kg) | TFS (%) |
|--------------|--------------|-----------------|---------------------|--------------|-----------|-----------|-----------|--------------|---------|
| 09/26/2023 | 1,899.00 ton | Dry-weight | | 62.1 | 11,000.00 | 2,900.00 | 27,200.00 | | 12.30 |

| | Yield (tons/acre) | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Salt (lbs/acre) |
|------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| Anticipated harvest content | 25.00 | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Total actual harvest content | 25.32 | 211.12 | 55.66 | 522.04 | 2,360.68 |

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

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

NUTRIENT BUDGET

A. LAND APPLICATIONS

BV-1 - 11/10/2022: Wheat, silage, soft dough

Field name: BV-1

Crop: Wheat, silage, soft dough

Plant date: 11/10/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 11/11/2022 | 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 | 115.12 | 15.90 | 125.34 | 1,454.84 | 1,512,841.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 336.91 | 6,055,841.00 <i>gal</i> |
| Application event totals | | 115.12 | 15.90 | 125.34 | 1,791.75 | |
| | | | | | | |
| 01/18/2023 | 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 |
| Lagoon | Process wastewater | 65.02 | 8.98 | 70.80 | 821.71 | 854,468.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 269.57 | 4,845,521.00 <i>gal</i> |
| Application event totals | | 65.02 | 8.98 | 70.80 | 1,091.28 | |
| | | | | | | |
| 02/20/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 53.31 | 7.36 | 58.04 | 673.68 | 700,541.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 253.46 | 4,555,841.00 <i>gal</i> |
| Application event totals | | 53.31 | 7.36 | 58.04 | 927.14 | |

BV-1 - 06/01/2023: Sorghum-Sudangrass, forage

Field name: BV-1

Crop: Sorghum-Sudangrass, forage

Plant date: 06/01/2023

| 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.

BV-1 - 06/01/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/02/2023 | 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 |
| Lagoon | Process wastewater | 61.15 | 13.66 | 91.21 | 355.19 | 654,824.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 403.98 | 7,261,547.00 <i>gal</i> |
| Application event totals | | 61.15 | 13.66 | 91.21 | 759.18 | |
| | | | | | | |
| 07/09/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 56.59 | 12.64 | 84.40 | 328.68 | 605,951.00 <i>gal</i> |
| BV 9 | Ground water | 0.00 | 0.00 | 0.00 | 373.39 | 6,960,123.00 <i>gal</i> |
| Application event totals | | 56.59 | 12.64 | 84.40 | 702.07 | |
| | | | | | | |
| 08/01/2023 | 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 |
| Lagoon | Process wastewater | 49.09 | 14.30 | 81.62 | 746.26 | 764,951.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 381.23 | 6,852,482.00 <i>gal</i> |
| Application event totals | | 49.09 | 14.30 | 81.62 | 1,127.49 | |
| | | | | | | |
| 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 |
| Lagoon | Process wastewater | 51.64 | 15.04 | 85.85 | 785.00 | 804,654.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 376.15 | 6,761,258.00 <i>gal</i> |
| Application event totals | | 51.64 | 15.04 | 85.85 | 1,161.15 | |
| | | | | | | |
| 09/15/2023 | 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 |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 364.32 | 6,548,621.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 364.32 | |

BV-10 - 11/10/2022: Wheat, silage, soft dough

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

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

BV-10 - 11/10/2022: Wheat, silage, soft dough

Field name: BV-10

Crop: Wheat, silage, soft dough

Plant date: 11/10/2022

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 11/11/2022 | 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 | 115.71 | 15.98 | 125.99 | 1,462.28 | 2,461,884.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 64.40 | 10,495,624.00 <i>gal</i> |
| Application event totals | | 115.71 | 15.98 | 125.99 | 1,526.68 | |
| | | | | | | |
| 01/15/2023 | 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 |
| Lagoon | Process wastewater | 82.06 | 11.33 | 89.35 | 1,037.04 | 1,745,951.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 50.87 | 8,289,664.00 <i>gal</i> |
| Application event totals | | 82.06 | 11.33 | 89.35 | 1,087.90 | |
| | | | | | | |
| 02/22/2023 | 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 |
| Lagoon | Process wastewater | 54.11 | 7.47 | 58.91 | 683.79 | 1,151,224.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 38.63 | 6,295,644.00 <i>gal</i> |
| Application event totals | | 54.11 | 7.47 | 58.91 | 722.42 | |

BV-10 - 06/01/2023: Sorghum-Sudangrass, forage

Field name: BV-10

Crop: Sorghum-Sudangrass, forage

Plant date: 06/01/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|----------------------|------------------------------|----------------------------------|----------------------------------|
| 06/02/2023 | 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 |
|--------------------------|--------------------|--------------|--------------|--------------|-----------------|-------------------------|
| Lagoon | Process wastewater | 66.92 | 14.95 | 99.81 | 388.71 | 1,160,228.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 51.29 | 8,358,995.00 <i>gal</i> |
| Application event totals | | 66.92 | 14.95 | 99.81 | 440.00 | |

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

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

BV-10 - 06/01/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 07/01/2023 | 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 |
| Lagoon | Process wastewater | 67.22 | 15.02 | 100.26 | 390.46 | 1,165,449.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 52.14 | 8,496,881.00 <i>gal</i> |
| Application event totals | | 67.22 | 15.02 | 100.26 | 442.59 | |
| | | | | | | |
| 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 | 52.00 | 11.62 | 77.56 | 302.05 | 901,559.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 49.43 | 8,056,442.00 <i>gal</i> |
| Application event totals | | 52.00 | 11.62 | 77.56 | 351.48 | |
| | | | | | | |
| 08/13/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 37.49 | 10.92 | 62.33 | 569.92 | 945,834.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.69 | 9,890,227.00 <i>gal</i> |
| Application event totals | | 37.49 | 10.92 | 62.33 | 630.61 | |
| | | | | | | |
| 09/14/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.69 | 9,890,219.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 60.69 | |

BV-11 - 11/10/2022: Wheat, silage, soft dough

Field name: BV-11

Crop: Wheat, silage, soft dough

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.

BV-11 - 11/10/2022: Wheat, silage, soft dough

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 11/11/2022 | 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 | 99.03 | 13.68 | 107.82 | 1,251.43 | 309,837.00 <i>gal</i> | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 50.17 | 1,202,448.00 <i>gal</i> | |
| Application event totals | | | 99.03 | 13.68 | 107.82 | 1,301.60 | | |
| | | | | | | | | |
| 01/19/2023 | 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 | |
| Lagoon | | Process wastewater | 90.03 | 12.43 | 98.02 | 1,137.66 | 281,669.00 <i>gal</i> | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 41.97 | 1,005,881.00 <i>gal</i> | |
| Application event totals | | | 90.03 | 12.43 | 98.02 | 1,179.63 | | |
| | | | | | | | | |
| 02/20/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation | |
| | | | | | | | | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| Lagoon | | Process wastewater | 65.83 | 9.09 | 71.68 | 831.94 | 205,978.00 <i>gal</i> | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 45.85 | 1,098,773.00 <i>gal</i> | |
| Application event totals | | | 65.83 | 9.09 | 71.68 | 877.79 | | |

BV-11 - 06/02/2023: Sorghum-Sudangrass, forage

Field name: BV-11

Crop: Sorghum-Sudangrass, forage

Plant date: 06/02/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following |
|------------------|----------------------|------------------------------|----------------------------------|----------------------------------|
| 06/03/2023 | 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 |
|--------------------------|--------------------|--------------|--------------|--------------|-----------------|-------------------------|
| Lagoon | Process wastewater | 89.03 | 19.89 | 132.79 | 517.13 | 226,991.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 58.54 | 1,402,885.00 <i>gal</i> |
| Application event totals | | 89.03 | 19.89 | 132.79 | 575.66 | |

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

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

BV-11 - 06/02/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 07/01/2023 | 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 |
| Lagoon | Process wastewater | 62.66 | 14.00 | 93.45 | 363.95 | 159,753.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.35 | 1,446,332.00 <i>gal</i> |
| Application event totals | | 62.66 | 14.00 | 93.45 | 424.30 | |
| | | | | | | |
| 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 | 57.65 | 12.88 | 85.99 | 334.87 | 146,991.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 58.66 | 1,405,884.00 <i>gal</i> |
| Application event totals | | 57.65 | 12.88 | 85.99 | 393.53 | |
| | | | | | | |
| 08/15/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 51.83 | 15.10 | 86.18 | 787.93 | 192,301.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 77.02 | 1,845,779.00 <i>gal</i> |
| Application event totals | | 51.83 | 15.10 | 86.18 | 864.95 | |
| | | | | | | |
| 09/15/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 66.75 | 1,599,667.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 66.75 | |

BV-3 - 11/11/2022: Wheat, silage, soft dough

Field name: BV-3

Crop: Wheat, silage, soft dough

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.

BV-3 - 11/11/2022: Wheat, silage, soft dough

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 11/12/2022 | 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 | 104.35 | 14.41 | 113.61 | 1,318.63 | 3,525,946.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 48.25 | 12,489,654.00 <i>gal</i> |
| Application event totals | | 104.35 | 14.41 | 113.61 | 1,366.88 | |
| | | | | | | |
| 01/20/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 83.75 | 11.57 | 91.18 | 1,058.30 | 2,829,834.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 49.82 | 12,895,482.00 <i>gal</i> |
| Application event totals | | 83.75 | 11.57 | 91.18 | 1,108.12 | |
| | | | | | | |
| 02/20/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 47.52 | 6.56 | 51.73 | 600.47 | 1,605,621.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 49.33 | 12,769,753.00 <i>gal</i> |
| Application event totals | | 47.52 | 6.56 | 51.73 | 649.80 | |

BV-3 - 06/02/2023: Sorghum-Sudangrass, forage

Field name: BV-3

Crop: Sorghum-Sudangrass, forage

Plant date: 06/02/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 06/03/2023 | 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 |
| Lagoon | Process wastewater | 74.70 | 16.69 | 111.42 | 433.91 | 2,056,978.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 57.52 | 14,888,396.00 <i>gal</i> |
| Application event totals | | 74.70 | 16.69 | 111.42 | 491.43 | |

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

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

BV-3 - 06/02/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 07/01/2023 | 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 |
| Lagoon | Process wastewater | 80.79 | 18.05 | 120.50 | 469.30 | 2,224,753.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 62.80 | 16,254,951.00 <i>gal</i> |
| Application event totals | | 80.79 | 18.05 | 120.50 | 532.10 | |
| | | | | | | |
| 07/24/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 81.05 | 18.11 | 120.89 | 470.79 | 2,231,852.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 56.20 | 14,546,331.00 <i>gal</i> |
| Application event totals | | 81.05 | 18.11 | 120.89 | 526.99 | |
| | | | | | | |
| 08/15/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 48.54 | 12,564,951.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 48.54 | |
| | | | | | | |
| 09/15/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 63.77 | 16,505,824.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 63.77 | |

BV-4 - 11/12/2022: Wheat, silage, soft dough

Field name: BV-4

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

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

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

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

BV-4 - 11/12/2022: Wheat, silage, soft dough

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 11/13/2022 | 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 | 89.74 | 12.39 | 97.71 | 1,134.05 | 3,088,549.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 244.76 | 11,522,357.00 <i>gal</i> |
| Application event totals | | 89.74 | 12.39 | 97.71 | 1,378.81 | |
| | | | | | | |
| 01/15/2023 | 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 |
| Lagoon | Process wastewater | 87.20 | 12.04 | 94.95 | 1,102.00 | 3,001,258.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 288.66 | 13,589,367.00 <i>gal</i> |
| Application event totals | | 87.20 | 12.04 | 94.95 | 1,390.66 | |
| | | | | | | |
| 02/22/2023 | 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 |
| Lagoon | Process wastewater | 75.43 | 10.42 | 82.12 | 953.15 | 2,595,871.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 287.19 | 13,519,874.00 <i>gal</i> |
| Application event totals | | 75.43 | 10.42 | 82.12 | 1,240.34 | |

BV-4 - 06/05/2023: Sorghum-Sudangrass, forage

Field name: BV-4

Crop: Sorghum-Sudangrass, forage

Plant date: 06/05/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 06/06/2023 | 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 | 88.28 | 19.72 | 131.67 | 512.79 | 2,475,951.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 67.60 | 17,821,654.00 <i>gal</i> |
| Application event totals | | 88.28 | 19.72 | 131.67 | 580.39 | |

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

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

BV-4 - 06/05/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 07/03/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 67.35 | 15.05 | 100.46 | 391.22 | 1,888,951.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.50 | 15,948,357.00 <i>gal</i> |
| Application event totals | | 67.35 | 15.05 | 100.46 | 451.71 | |
| | | | | | | |
| 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 |
| Lagoon | Process wastewater | 89.30 | 19.95 | 133.19 | 518.72 | 2,504,587.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 59.27 | 15,624,851.00 <i>gal</i> |
| Application event totals | | 89.30 | 19.95 | 133.19 | 577.99 | |
| | | | | | | |
| 08/15/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 36.89 | 10.75 | 61.34 | 560.85 | 1,505,669.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 55.96 | 14,753,951.00 <i>gal</i> |
| Application event totals | | 36.89 | 10.75 | 61.34 | 616.81 | |
| | | | | | | |
| 09/15/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 55.63 | 14,666,998.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 55.63 | |

BV-5 - 11/13/2022: Wheat, silage, soft dough

Field name: BV-5

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022

| 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.

BV-5 - 11/13/2022: Wheat, silage, soft dough

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 11/14/2022 | 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 | 78.09 | 10.79 | 85.02 | 986.80 | 1,221,597.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 280.89 | 6,010,564.00 <i>gal</i> |
| Application event totals | | 78.09 | 10.79 | 85.02 | 1,267.69 | |
| | | | | | | |
| 01/18/2023 | 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 |
| Lagoon | Process wastewater | 97.54 | 13.47 | 106.20 | 1,232.58 | 1,525,852.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 281.30 | 6,019,368.00 <i>gal</i> |
| Application event totals | | 97.54 | 13.47 | 106.20 | 1,513.87 | |
| | | | | | | |
| 02/20/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 58.86 | 8.13 | 64.09 | 743.86 | 920,852.00 <i>gal</i> |
| BV 3 | Ground water | 0.00 | 0.00 | 0.00 | 285.75 | 6,114,753.00 <i>gal</i> |
| Application event totals | | 58.86 | 8.13 | 64.09 | 1,029.62 | |

BV-5 - 06/05/2023: Sorghum-Sudangrass, forage

Field name: BV-5

Crop: Sorghum-Sudangrass, forage

Plant date: 06/05/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/06/2023 | 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 | 78.82 | 17.61 | 117.56 | 457.85 | 1,004,851.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 67.23 | 8,056,321.00 <i>gal</i> |
| Application event totals | | 78.82 | 17.61 | 117.56 | 525.08 | |

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

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

BV-5 - 06/05/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 07/02/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 74.68 | 16.68 | 111.38 | 433.76 | 951,978.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 56.84 | 6,811,842.00 <i>gal</i> |
| Application event totals | | 74.68 | 16.68 | 111.38 | 490.60 | |
| | | | | | | |
| 07/29/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 82.90 | 18.52 | 123.65 | 481.54 | 1,056,849.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 67.19 | 8,051,951.00 <i>gal</i> |
| Application event totals | | 82.90 | 18.52 | 123.65 | 548.73 | |
| | | | | | | |
| 08/16/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 32.83 | 9.56 | 54.58 | 499.06 | 608,997.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 57.71 | 6,914,951.00 <i>gal</i> |
| Application event totals | | 32.83 | 9.56 | 54.58 | 556.77 | |
| | | | | | | |
| 09/15/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.58 | 7,258,993.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 60.58 | |

BV-6 - 11/14/2022: Wheat, silage, soft dough

Field name: BV-6

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

| 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.

BV-6 - 11/14/2022: Wheat, silage, soft dough

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 11/15/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 110.58 | 15.27 | 120.39 | 1,397.38 | 345,973.00 <i>gal</i> |
| BV 4 | Ground water | 0.00 | 0.00 | 0.00 | 377.33 | 1,102,842.00 <i>gal</i> |
| Application event totals | | 110.58 | 15.27 | 120.39 | 1,774.71 | |
| | | | | | | |
| 01/19/2023 | 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 |
| Lagoon | Process wastewater | 113.62 | 15.69 | 123.71 | 1,435.81 | 355,489.00 <i>gal</i> |
| BV 4 | Ground water | 0.00 | 0.00 | 0.00 | 380.49 | 1,112,058.00 <i>gal</i> |
| Application event totals | | 113.62 | 15.69 | 123.71 | 1,816.30 | |
| | | | | | | |
| 02/21/2023 | 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 | 41.61 | 5.75 | 45.31 | 525.86 | 130,195.00 <i>gal</i> |
| BV 4 | Ground water | 0.00 | 0.00 | 0.00 | 312.80 | 914,221.00 <i>gal</i> |
| Application event totals | | 41.61 | 5.75 | 45.31 | 838.65 | |

BV-6 - 06/06/2023: Sorghum-Sudangrass, forage

Field name: BV-6

Crop: Sorghum-Sudangrass, forage

Plant date: 06/06/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 06/07/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 75.24 | 16.81 | 112.22 | 437.05 | 191,841.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 64.53 | 1,546,621.00 <i>gal</i> |
| Application event totals | | 75.24 | 16.81 | 112.22 | 501.58 | |

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

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

BV-6 - 06/06/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|-------------------------|
| 07/02/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 60.75 | 13.57 | 90.61 | 352.89 | 154,901.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 62.64 | 1,501,245.00 <i>gal</i> |
| Application event totals | | 60.75 | 13.57 | 90.61 | 415.53 | |
| | | | | | | |
| 07/28/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 80.16 | 17.91 | 119.56 | 465.61 | 204,377.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 71.13 | 1,704,842.00 <i>gal</i> |
| Application event totals | | 80.16 | 17.91 | 119.56 | 536.74 | |
| | | | | | | |
| 08/17/2023 | 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 |
| Lagoon | Process wastewater | 42.85 | 12.48 | 71.24 | 651.38 | 158,973.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 69.48 | 1,665,147.00 <i>gal</i> |
| Application event totals | | 42.85 | 12.48 | 71.24 | 720.85 | |
| | | | | | | |
| 09/18/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 46.14 | 1,105,851.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 46.14 | |

BV-7 - 03/20/2019: Alfalfa, hay

Field name: BV-7

Crop: Alfalfa, hay

Plant date: 03/20/2019

| 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.

BV-7 - 03/20/2019: Alfalfa, hay

| 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 65.56 | 20,426,918.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 65.56 | |
| 04/06/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 59.45 | 18,521,456.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 59.45 | |
| 05/07/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 65.90 | 20,533,541.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 65.90 | |
| 06/08/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 66.21 | 20,630,149.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 66.21 | |
| 07/09/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 66.54 | 20,730,159.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 66.54 | |
| 08/10/2023 | 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 |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 67.16 | 20,924,597.00 <i>gal</i> |
| Application event totals | | 0.00 | 0.00 | 0.00 | 67.16 | |

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

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

BV-7 - 03/20/2019: Alfalfa, hay

| Application date | Application method | | Precipitation 24 hours prior | | Precipitation during application | | Precipitation 24 hours following | |
|------------------|--------------------------|---------------|------------------------------|--------------|----------------------------------|-----------------|----------------------------------|--|
| 09/11/2023 | 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 | |
| | Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.42 | 18,824,597.00 <i>gal</i> | |
| | Application event totals | | 0.00 | 0.00 | 0.00 | 60.42 | | |
| 10/12/2023 | 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 | |
| | Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 60.12 | 18,730,149.00 <i>gal</i> | |
| | Application event totals | | 0.00 | 0.00 | 0.00 | 60.12 | | |

BV-8 - 03/24/2019: Alfalfa, hay

Field name: BV-8

Crop: Alfalfa, hay

Plant date: 03/24/2019

| Application date | Application method | | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|---------------|------------------------------|--------------|----------------------------------|-----------------|--------------------------|----------------------------------|--|
| 03/04/2023 | 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 | | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 66.20 | 20,626,843.00 <i>gal</i> | | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 66.20 | | | |
| 04/05/2023 | Surface (irrigation) | | No precipitation | | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 66.22 | 20,631,258.00 <i>gal</i> | | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 66.22 | | | |
| 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 | | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 59.78 | 18,625,654.00 <i>gal</i> | | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 59.78 | | | |

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

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

BV-8 - 03/24/2019: Alfalfa, hay

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 06/07/2023 | 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 | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 66.23 | 20,633,654.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 66.23 | | |
| 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 | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 66.20 | 20,624,753.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 66.20 | | |
| 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 | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 66.22 | 20,631,594.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 66.22 | | |
| 09/10/2023 | 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 | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 66.20 | 20,626,548.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 66.20 | | |
| 10/11/2023 | 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 | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 59.80 | 18,631,954.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 59.80 | | |

BV-9 - 11/14/2022: Wheat, silage, soft dough

Field name: BV-9

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

| 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.

BV-9 - 11/14/2022: Wheat, silage, soft dough

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 11/15/2022 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 86.62 | 11.96 | 94.31 | 1,094.65 | 2,032,654.00 <i>gal</i> |
| BV 4 | Ground water | 0.00 | 0.00 | 0.00 | 383.90 | 8,415,284.00 <i>gal</i> |
| Application event totals | | 86.62 | 11.96 | 94.31 | 1,478.55 | |
| | | | | | | |
| 01/15/2023 | 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 |
| Lagoon | Process wastewater | 78.23 | 10.81 | 85.18 | 988.61 | 1,835,753.00 <i>gal</i> |
| BV 4 | Ground water | 0.00 | 0.00 | 0.00 | 334.01 | 7,321,598.00 <i>gal</i> |
| Application event totals | | 78.23 | 10.81 | 85.18 | 1,322.62 | |
| | | | | | | |
| 02/20/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 79.08 | 10.92 | 86.10 | 999.35 | 1,855,694.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 58.52 | 10,519,369.00 <i>gal</i> |
| Application event totals | | 79.08 | 10.92 | 86.10 | 1,057.87 | |

BV-9 - 06/06/2023: Sorghum-Sudangrass, forage

Field name: BV-9

Crop: Sorghum-Sudangrass, forage

Plant date: 06/06/2023

| Application date | Application method | Precipitation 24 hours prior | Precipitation during application | Precipitation 24 hours following | | |
|--------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|
| 06/07/2023 | Surface (irrigation) | No precipitation | No precipitation | No precipitation | | |
| | | | | | | |
| Source description | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount |
| Lagoon | Process wastewater | 85.38 | 19.07 | 127.34 | 495.93 | 1,632,654.00 <i>gal</i> |
| Buena Vista ID | Surface water | 0.00 | 0.00 | 0.00 | 58.73 | 10,556,485.00 <i>gal</i> |
| Application event totals | | 85.38 | 19.07 | 127.34 | 554.66 | |

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

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

BV-9 - 06/06/2023: Sorghum-Sudangrass, forage

| Application date | Application method | Precipitation 24 hours prior | | Precipitation during application | | | Precipitation 24 hours following | |
|--------------------------|----------------------|------------------------------|--------------|----------------------------------|--------------|-----------------|----------------------------------|--|
| 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 | |
| Lagoon | | Process wastewater | 54.56 | 12.19 | 81.37 | 316.90 | 1,043,269.00 <i>gal</i> | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 64.09 | 11,519,852.00 <i>gal</i> | |
| Application event totals | | | 54.56 | 12.19 | 81.37 | 380.99 | | |
| 07/30/2023 | Surface (irrigation) | No precipitation | | No precipitation | | | No precipitation | |
| Source description | | Material type | N (lbs/acre) | P (lbs/acre) | K (lbs/acre) | Salt (lbs/acre) | Amount | |
| Lagoon | | Process wastewater | 49.78 | 11.12 | 74.25 | 289.18 | 951,995.00 <i>gal</i> | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 64.07 | 11,516,448.00 <i>gal</i> | |
| Application event totals | | | 49.78 | 11.12 | 74.25 | 353.25 | | |
| 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 | |
| Lagoon | | Process wastewater | 25.86 | 7.54 | 43.00 | 393.17 | 719,664.00 <i>gal</i> | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 69.05 | 12,411,257.00 <i>gal</i> | |
| Application event totals | | | 25.86 | 7.54 | 43.00 | 462.21 | | |
| 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 | |
| Buena Vista ID | | Surface water | 0.00 | 0.00 | 0.00 | 58.52 | 10,518,901.00 <i>gal</i> | |
| Application event totals | | | 0.00 | 0.00 | 0.00 | 58.52 | | |

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

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

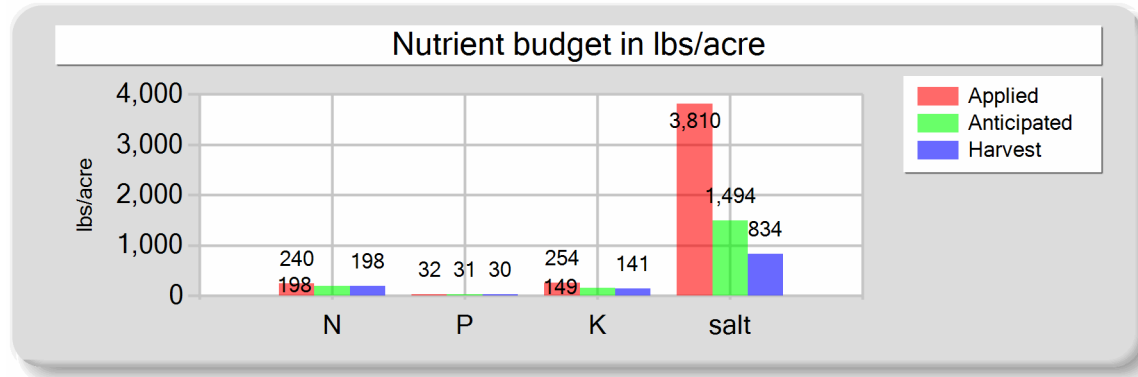
B. NUTRIENT BUDGET

BV-1 - 11/10/2022: Wheat, silage, soft dough

Field name: BV-1

Crop: Wheat, silage, soft dough

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 | 15,457,203.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 569.24 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 13.55 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 233.46 | 32.25 | 254.18 | 2,950.23 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 859.94 | 3,067,850.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 112.98 <i>acre-inches</i> |
| Total nutrients applied | 240.46 | 32.25 | 254.18 | 3,810.17 | 2.69 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 | |
| Actual crop nutrient removal | 197.58 | 29.80 | 141.28 | 834.46 | Total harvests for the crop |
| Nutrient balance | 42.88 | 2.44 | 112.90 | 2,975.71 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.22 | 1.08 | 1.80 | 4.57 | |

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

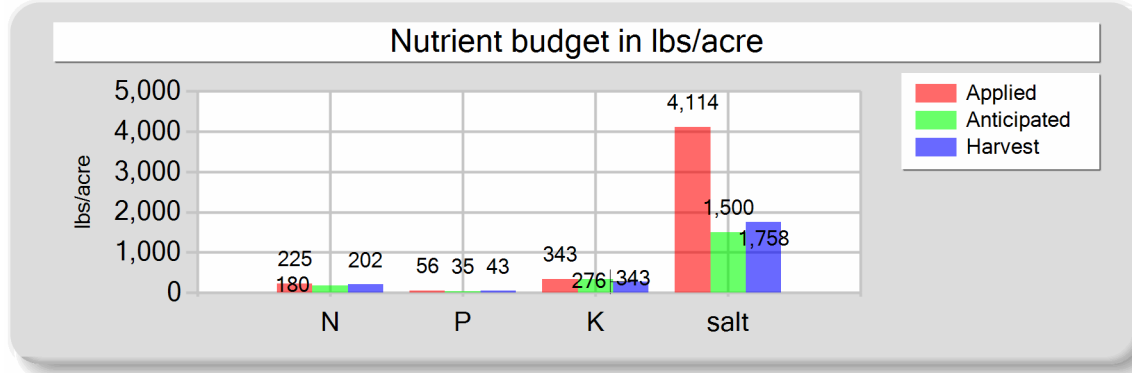
Reporting period 01/01/2023 to 12/31/2023.

BV-1 - 06/01/2023: Sorghum-Sudangrass, forage

Field name: BV-1

Crop: Sorghum-Sudangrass, forage

Plant date: 06/01/2023



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|------------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 34,384,031.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,266.25 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 30.15 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 218.47 | 55.65 | 343.08 | 2,215.14 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 1,899.07 | 2,830,380.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 104.23 <i>acre-inches</i> |
| Total nutrients applied | 225.47 | 55.65 | 343.08 | 4,114.20 | 2.48 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 | |
| Actual crop nutrient removal | 201.96 | 43.17 | 275.97 | 1,757.55 | Total harvests for the crop |
| Nutrient balance | 23.50 | 12.48 | 67.11 | 2,356.65 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.12 | 1.29 | 1.24 | 2.34 | |

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

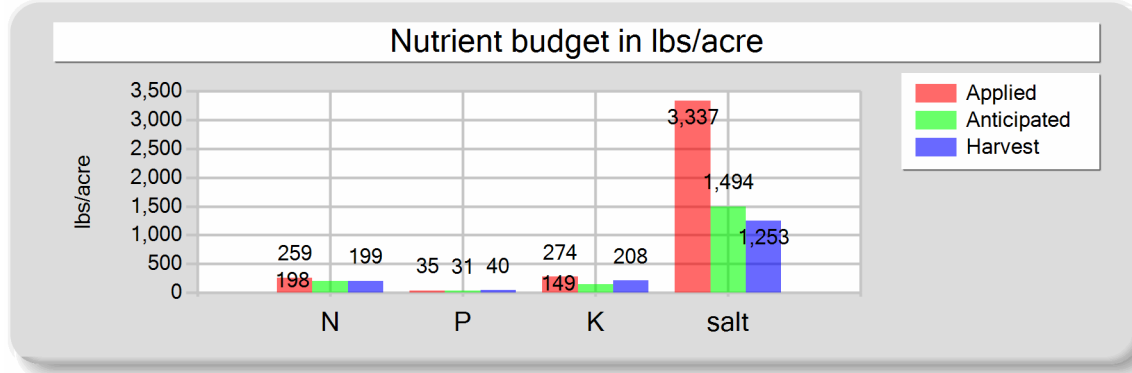
Reporting period 01/01/2023 to 12/31/2023.

BV-10 - 11/10/2022: Wheat, silage, soft dough

Field name: BV-10

Crop: Wheat, silage, soft dough

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 | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 251.89 | 34.79 | 274.25 | 3,183.11 |
| Fresh water | 0.00 | 0.00 | 0.00 | 153.90 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 258.89 | 34.79 | 274.25 | 3,337.01 |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Actual crop nutrient removal | 199.02 | 39.80 | 208.39 | 1,252.66 |
| Nutrient balance | 59.87 | -5.01 | 65.86 | 2,084.35 |
| Applied to removed ratio | 1.30 | 0.87 | 1.32 | 2.66 |

| Fresh water applied |
|------------------------------|
| 25,080,932.00 <i>gallons</i> |
| 923.65 <i>acre-inches</i> |
| 13.58 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 5,359,059.00 <i>gallons</i> |
| 197.36 <i>acre-inches</i> |
| 2.90 <i>inches/acre</i> |

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

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

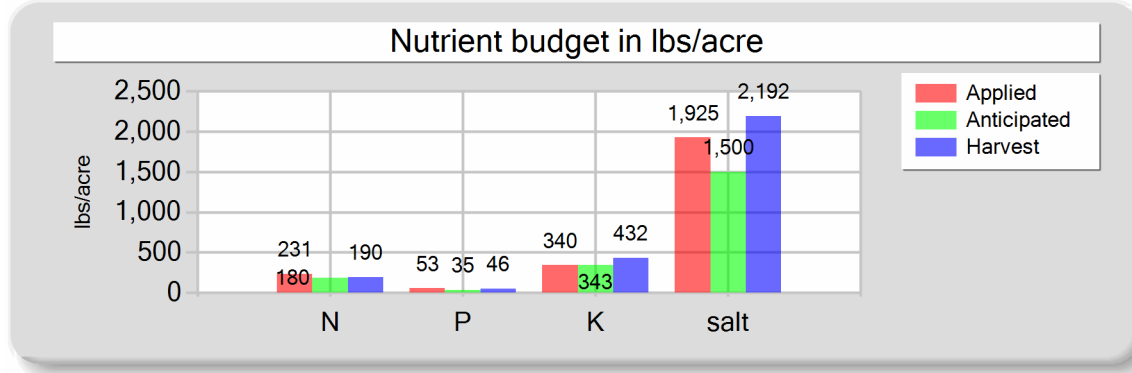
Reporting period 01/01/2023 to 12/31/2023.

BV-10 - 06/01/2023: Sorghum-Sudangrass, forage

Field name: BV-10

Crop: Sorghum-Sudangrass, forage

Plant date: 06/01/2023



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|------------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 44,692,764.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,645.88 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 24.20 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 223.63 | 52.51 | 339.96 | 1,651.13 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 274.24 | 4,173,070.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 153.68 <i>acre-inches</i> |
| Total nutrients applied | 230.63 | 52.51 | 339.96 | 1,925.37 | 2.26 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 | |
| Actual crop nutrient removal | 189.51 | 46.14 | 431.76 | 2,191.76 | Total harvests for the crop |
| Nutrient balance | 41.12 | 6.37 | -91.80 | -266.39 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.22 | 1.14 | 0.79 | 0.88 | |

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

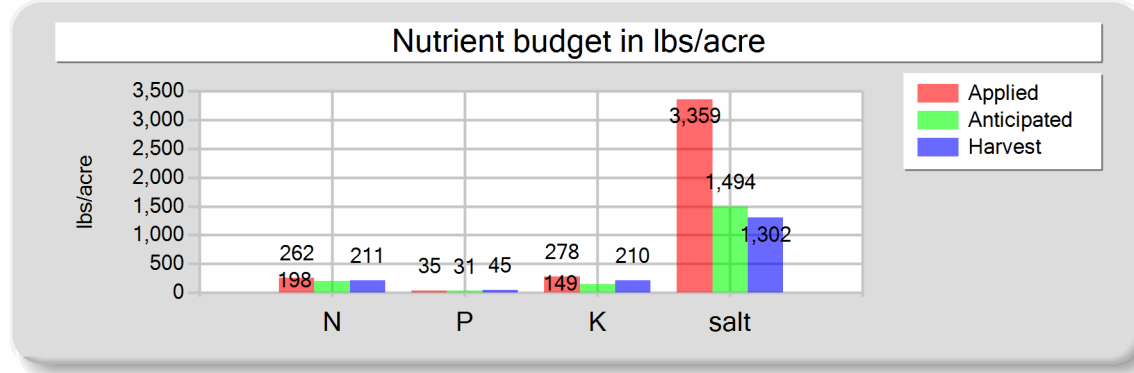
Reporting period 01/01/2023 to 12/31/2023.

BV-11 - 11/10/2022: Wheat, silage, soft dough

Field name: BV-11

Crop: Wheat, silage, soft dough

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 | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 254.89 | 35.20 | 277.51 | 3,221.02 |
| Fresh water | 0.00 | 0.00 | 0.00 | 137.99 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 261.89 | 35.20 | 277.51 | 3,359.01 |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Actual crop nutrient removal | 211.02 | 45.49 | 209.76 | 1,301.51 |
| Nutrient balance | 50.87 | -10.28 | 67.76 | 2,057.50 |
| Applied to removed ratio | 1.24 | 0.77 | 1.32 | 2.58 |

| Fresh water applied |
|-----------------------------|
| 3,307,102.00 <i>gallons</i> |
| 121.79 <i>acre-inches</i> |
| 12.18 <i>inches/acre</i> |

| Process wastewater applied |
|----------------------------|
| 797,484.00 <i>gallons</i> |
| 29.37 <i>acre-inches</i> |
| 2.94 <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.

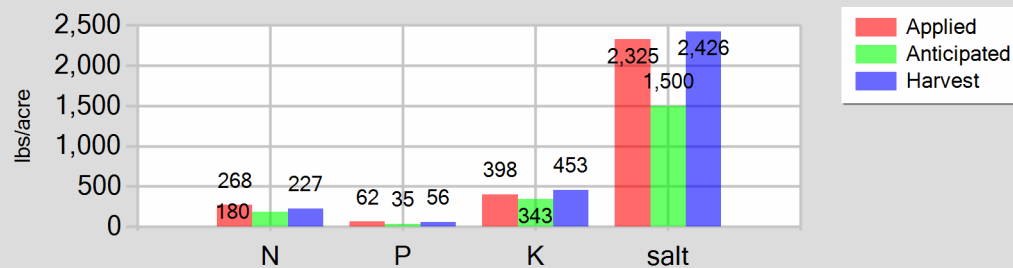
BV-11 - 06/02/2023: Sorghum-Sudangrass, forage

Field name: BV-11

Crop: Sorghum-Sudangrass, forage

Plant date: 06/02/2023

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 | 261.17 | 61.87 | 398.40 | 2,003.88 |
| Fresh water | 0.00 | 0.00 | 0.00 | 321.31 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 268.17 | 61.87 | 398.40 | 2,325.19 |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Actual crop nutrient removal | 226.57 | 56.14 | 453.14 | 2,426.10 |
| Nutrient balance | 41.60 | 5.73 | -54.74 | -100.91 |
| Applied to removed ratio | 1.18 | 1.10 | 0.88 | 0.96 |

| |
|----------------------|
| Fresh water applied |
| 7,700,547.00 gallons |
| 283.58 acre-inches |
| 28.36 inches/acre |

| |
|----------------------------|
| Process wastewater applied |
| 726,036.00 gallons |
| 26.74 acre-inches |
| 2.67 inches/acre |

| |
|-----------------------------|
| Total harvests for the crop |
| 1 harvests |

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

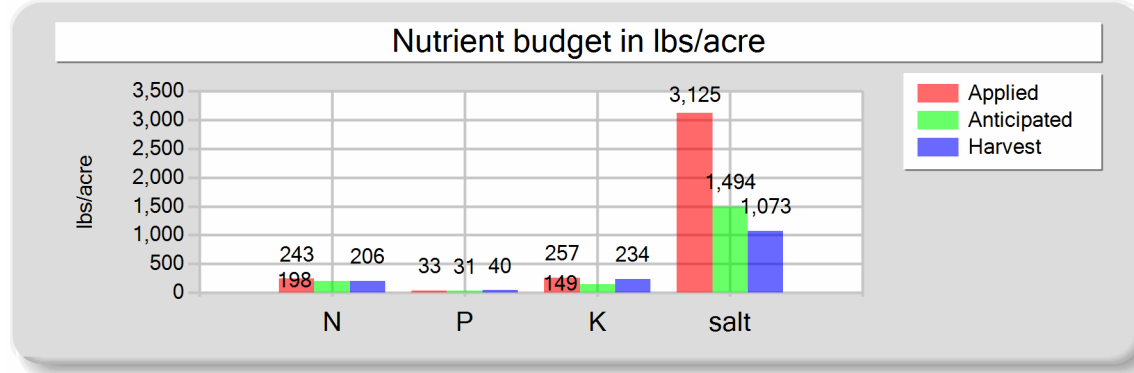
Reporting period 01/01/2023 to 12/31/2023.

BV-3 - 11/11/2022: Wheat, silage, soft dough

Field name: BV-3

Crop: Wheat, silage, soft dough

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 | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 235.61 | 32.54 | 256.52 | 2,977.40 |
| Fresh water | 0.00 | 0.00 | 0.00 | 147.41 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 242.61 | 32.54 | 256.52 | 3,124.81 |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Actual crop nutrient removal | 205.75 | 40.45 | 233.88 | 1,072.71 |
| Nutrient balance | 36.86 | -7.90 | 22.64 | 2,052.11 |
| Applied to removed ratio | 1.18 | 0.80 | 1.10 | 2.91 |

| Fresh water applied |
|------------------------------|
| 38,154,889.00 <i>gallons</i> |
| 1,405.11 <i>acre-inches</i> |
| 13.01 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 7,961,401.00 <i>gallons</i> |
| 293.19 <i>acre-inches</i> |
| 2.71 <i>inches/acre</i> |

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

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

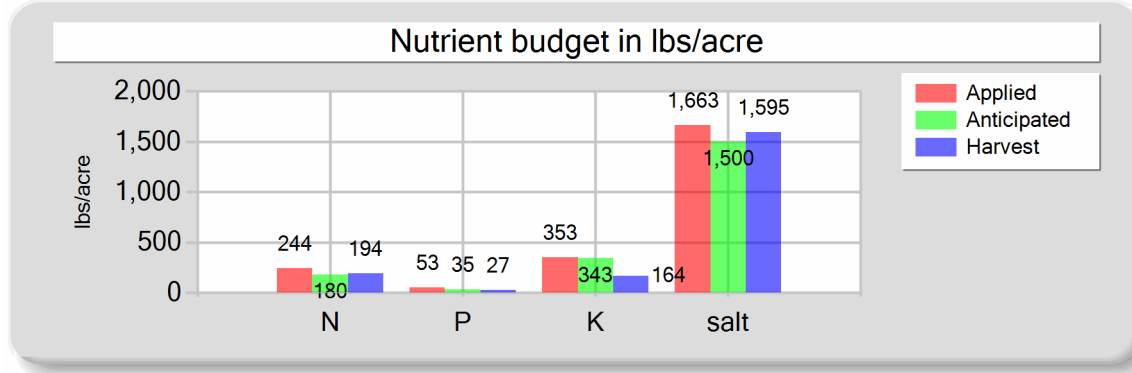
Reporting period 01/01/2023 to 12/31/2023.

BV-3 - 06/02/2023: Sorghum-Sudangrass, forage

Field name: BV-3

Crop: Sorghum-Sudangrass, forage

Plant date: 06/02/2023



| | 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 | 74,760,453.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 2,753.17 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 25.49 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 236.55 | 52.85 | 352.81 | 1,374.00 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 288.83 | 6,513,583.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 239.87 <i>acre-inches</i> |
| Total nutrients applied | 243.55 | 52.85 | 352.81 | 1,662.83 | 2.22 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 | |
| Actual crop nutrient removal | 194.42 | 27.34 | 164.05 | 1,594.88 | Total harvests for the crop |
| Nutrient balance | 49.12 | 25.51 | 188.76 | 67.94 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.25 | 1.93 | 2.15 | 1.04 | |

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

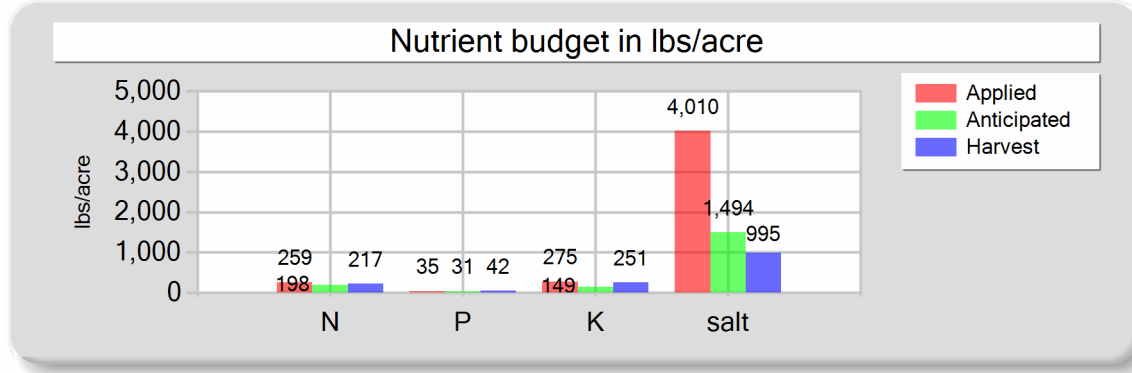
Reporting period 01/01/2023 to 12/31/2023.

BV-4 - 11/12/2022: Wheat, silage, soft dough

Field name: BV-4

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 252.37 | 34.86 | 274.77 | 3,189.21 |
| Fresh water | 0.00 | 0.00 | 0.00 | 820.61 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 259.37 | 34.86 | 274.77 | 4,009.81 |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Actual crop nutrient removal | 216.80 | 41.64 | 251.09 | 994.57 |
| Nutrient balance | 42.57 | -6.79 | 23.68 | 3,015.24 |
| Applied to removed ratio | 1.20 | 0.84 | 1.09 | 4.03 |

| Fresh water applied |
|------------------------------|
| 38,631,598.00 <i>gallons</i> |
| 1,422.67 <i>acre-inches</i> |
| 12.93 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 8,685,678.00 <i>gallons</i> |
| 319.86 <i>acre-inches</i> |
| 2.91 <i>inches/acre</i> |

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

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

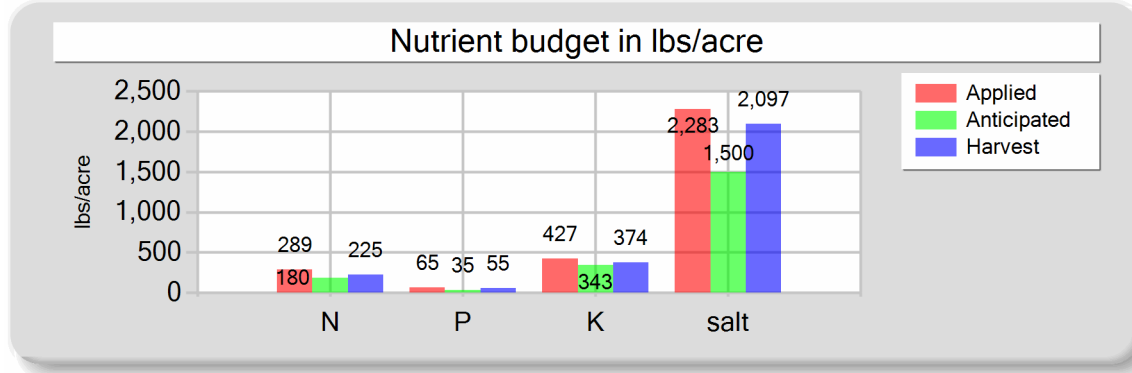
Reporting period 01/01/2023 to 12/31/2023.

BV-4 - 06/05/2023: Sorghum-Sudangrass, forage

Field name: BV-4

Crop: Sorghum-Sudangrass, forage

Plant date: 06/05/2023



| | 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 | 281.83 | 65.47 | 426.66 | 1,983.57 |
| Fresh water | 0.00 | 0.00 | 0.00 | 298.96 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 288.83 | 65.47 | 426.66 | 2,282.53 |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Actual crop nutrient removal | 225.30 | 55.46 | 374.35 | 2,097.03 |
| Nutrient balance | 63.53 | 10.01 | 52.31 | 185.50 |
| Applied to removed ratio | 1.28 | 1.18 | 1.14 | 1.09 |

| Fresh water applied |
|------------------------------|
| 78,815,811.00 <i>gallons</i> |
| 2,902.52 <i>acre-inches</i> |
| 26.39 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 8,375,158.00 <i>gallons</i> |
| 308.43 <i>acre-inches</i> |
| 2.80 <i>inches/acre</i> |

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

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

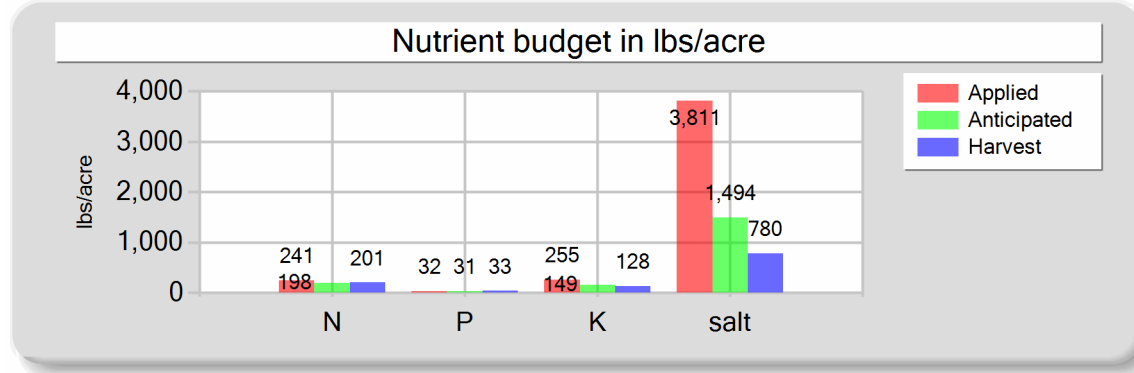
Reporting period 01/01/2023 to 12/31/2023.

BV-5 - 11/13/2022: Wheat, silage, soft dough

Field name: BV-5

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 234.49 | 32.39 | 255.30 | 2,963.24 |
| Fresh water | 0.00 | 0.00 | 0.00 | 847.94 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 241.49 | 32.39 | 255.30 | 3,811.18 |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Actual crop nutrient removal | 200.60 | 32.85 | 127.87 | 780.13 |
| Nutrient balance | 40.88 | -0.46 | 127.43 | 3,031.05 |
| Applied to removed ratio | 1.20 | 0.99 | 2.00 | 4.89 |

| Fresh water applied |
|------------------------------|
| 18,144,685.00 <i>gallons</i> |
| 668.21 <i>acre-inches</i> |
| 13.36 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 3,668,301.00 <i>gallons</i> |
| 135.09 <i>acre-inches</i> |
| 2.70 <i>inches/acre</i> |

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

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

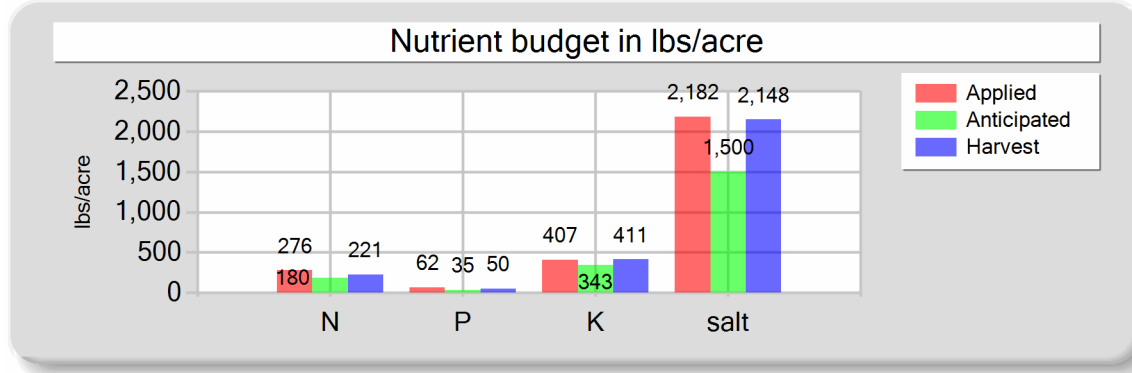
Reporting period 01/01/2023 to 12/31/2023.

BV-5 - 06/05/2023: Sorghum-Sudangrass, forage

Field name: BV-5

Crop: Sorghum-Sudangrass, forage

Plant date: 06/05/2023



| | 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 | 37,094,058.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 1,366.05 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 27.32 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 269.23 | 62.38 | 407.17 | 1,872.20 | |
| Fresh water | 0.00 | 0.00 | 0.00 | 309.55 | |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 276.23 | 62.38 | 407.17 | 2,181.75 | |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 | |
| Actual crop nutrient removal | 221.47 | 49.96 | 411.31 | 2,148.12 | |
| Nutrient balance | 54.76 | 12.42 | -4.13 | 33.64 | |
| Applied to removed ratio | 1.25 | 1.25 | 0.99 | 1.02 | |
| | | | | | Process wastewater applied |
| | | | | | 3,622,675.00 <i>gallons</i> |
| | | | | | 133.41 <i>acre-inches</i> |
| | | | | | 2.67 <i>inches/acre</i> |
| | | | | | Total harvests for the crop |
| | | | | | 1 <i>harvests</i> |

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

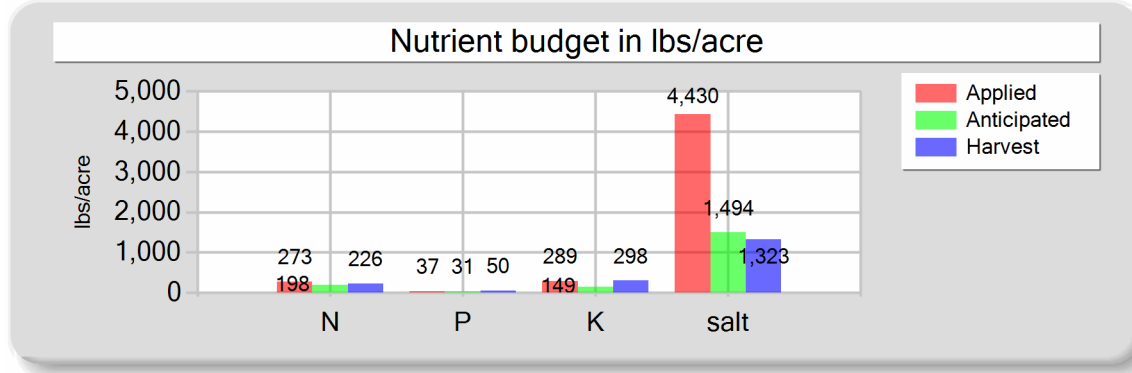
Reporting period 01/01/2023 to 12/31/2023.

BV-6 - 11/14/2022: Wheat, silage, soft dough

Field name: BV-6

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 265.81 | 36.71 | 289.41 | 3,359.05 |
| Fresh water | 0.00 | 0.00 | 0.00 | 1,070.61 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 272.81 | 36.71 | 289.41 | 4,429.66 |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 |
| Actual crop nutrient removal | 226.03 | 50.09 | 297.95 | 1,322.81 |
| Nutrient balance | 46.78 | -13.37 | -8.55 | 3,106.85 |
| Applied to removed ratio | 1.21 | 0.73 | 0.97 | 3.35 |

| Fresh water applied |
|-----------------------------|
| 3,129,121.00 <i>gallons</i> |
| 115.23 <i>acre-inches</i> |
| 11.52 <i>inches/acre</i> |

| Process wastewater applied |
|----------------------------|
| 831,657.00 <i>gallons</i> |
| 30.63 <i>acre-inches</i> |
| 3.06 <i>inches/acre</i> |

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

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

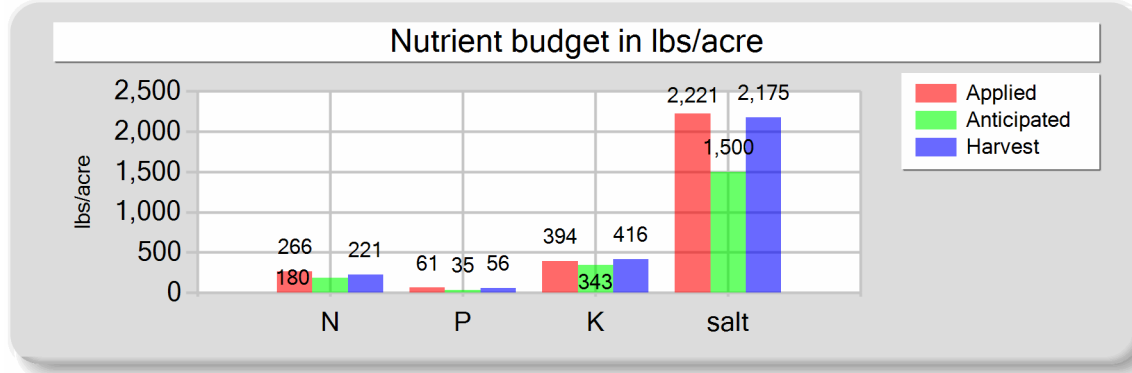
Reporting period 01/01/2023 to 12/31/2023.

BV-6 - 06/06/2023: Sorghum-Sudangrass, forage

Field name: BV-6

Crop: Sorghum-Sudangrass, forage

Plant date: 06/06/2023



| | 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 | 7,523,706.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 277.07 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 27.71 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 259.01 | 60.77 | 393.64 | 1,906.93 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 313.93 | 710,092.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 26.15 <i>acre-inches</i> |
| Total nutrients applied | 266.01 | 60.77 | 393.64 | 2,220.85 | 2.62 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 | |
| Actual crop nutrient removal | 221.29 | 56.26 | 416.32 | 2,175.37 | Total harvests for the crop |
| Nutrient balance | 44.72 | 4.51 | -22.68 | 45.48 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.20 | 1.08 | 0.95 | 1.02 | |

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

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

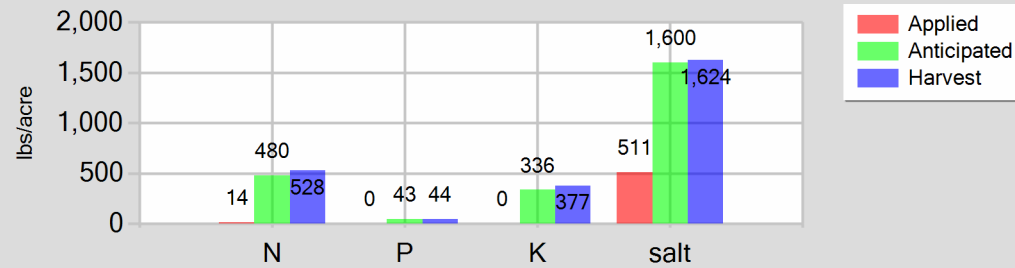
BV-7 - 03/20/2019: Alfalfa, hay

Field name: BV-7

Crop: Alfalfa, hay

Plant date: 03/20/2019

Nutrient budget in lbs/acre



| | Total N (lbs/acre) | Total P (lbs/acre) | Total K (lbs/acre) | Total salt (lbs/acre) | Fresh water applied |
|-----------------------------------|--------------------|--------------------|--------------------|-----------------------|-------------------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 | 159,321,566.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 5,867.27 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 45.13 <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 | 0.00 | 0.00 | 0.00 | 511.36 | |
| Atmospheric deposition | 14.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 14.00 | 0.00 | 0.00 | 511.36 | |
| Anticipated crop nutrient removal | 480.00 | 43.20 | 336.00 | 1,600.00 | |
| Actual crop nutrient removal | 527.84 | 43.61 | 377.46 | 1,624.11 | |
| Nutrient balance | -513.84 | -43.61 | -377.46 | -1,112.75 | |
| Applied to removed ratio | 0.03 | 0.00 | 0.00 | 0.31 | |
| | | | | | 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

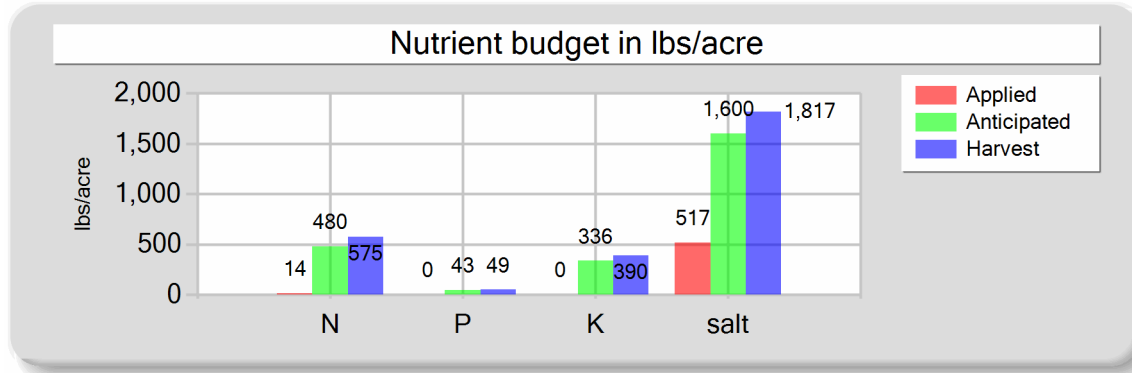
Reporting period 01/01/2023 to 12/31/2023.

BV-8 - 03/24/2019: Alfalfa, hay

Field name: BV-8

Crop: Alfalfa, hay

Plant date: 03/24/2019



| | 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 | 161,032,258.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 5,930.27 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 45.62 <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 | 0.00 | 0.00 | 0.00 | 516.85 | |
| Atmospheric deposition | 14.00 | 0.00 | 0.00 | 0.00 | |
| Total nutrients applied | 14.00 | 0.00 | 0.00 | 516.85 | |
| Anticipated crop nutrient removal | 480.00 | 43.20 | 336.00 | 1,600.00 | |
| Actual crop nutrient removal | 574.71 | 48.54 | 389.92 | 1,816.51 | |
| Nutrient balance | -560.71 | -48.54 | -389.92 | -1,299.65 | |
| Applied to removed ratio | 0.02 | 0.00 | 0.00 | 0.28 | |
| | | | | | 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

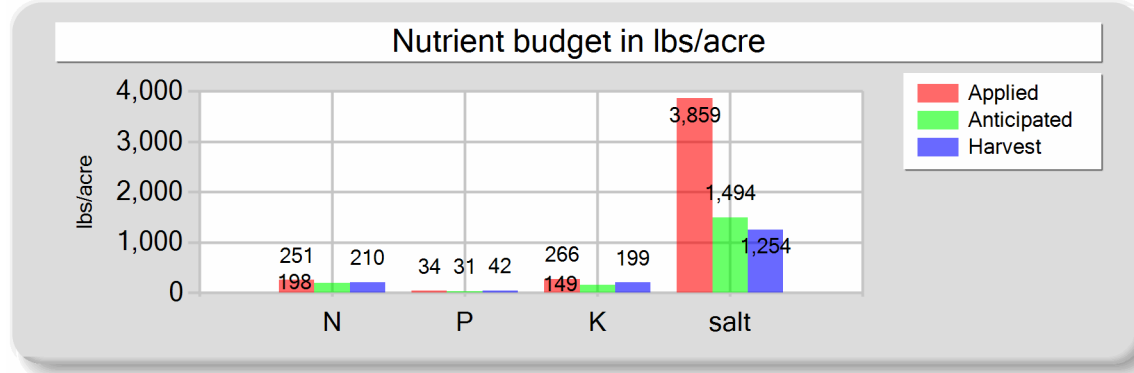
Reporting period 01/01/2023 to 12/31/2023.

BV-9 - 11/14/2022: Wheat, silage, soft dough

Field name: BV-9

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



| | 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 | 26,256,251.00 <i>gallons</i> |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 | 966.93 <i>acre-inches</i> |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 | 12.89 <i>inches/acre</i> |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 | |
| Process wastewater | 243.93 | 33.69 | 265.59 | 3,082.60 | Process wastewater applied |
| Fresh water | 0.00 | 0.00 | 0.00 | 776.43 | 5,724,101.00 <i>gallons</i> |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 | 210.80 <i>acre-inches</i> |
| Total nutrients applied | 250.93 | 33.69 | 265.59 | 3,859.03 | 2.81 <i>inches/acre</i> |
| Anticipated crop nutrient removal | 198.00 | 30.60 | 149.40 | 1,494.00 | |
| Actual crop nutrient removal | 209.83 | 42.20 | 199.28 | 1,254.27 | Total harvests for the crop |
| Nutrient balance | 41.11 | -8.51 | 66.31 | 2,604.76 | 1 <i>harvests</i> |
| Applied to removed ratio | 1.20 | 0.80 | 1.33 | 3.08 | |

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

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

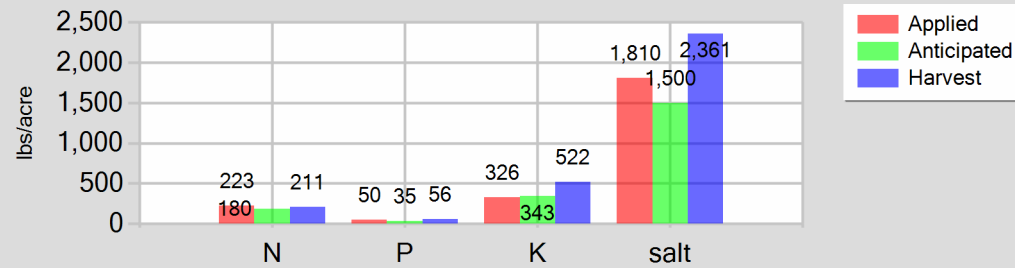
BV-9 - 06/06/2023: Sorghum-Sudangrass, forage

Field name: BV-9

Crop: Sorghum-Sudangrass, forage

Plant date: 06/06/2023

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 | 215.59 | 49.92 | 325.97 | 1,495.18 |
| Fresh water | 0.00 | 0.00 | 0.00 | 314.46 |
| Atmospheric deposition | 7.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 222.59 | 49.92 | 325.97 | 1,809.63 |
| Anticipated crop nutrient removal | 180.00 | 35.00 | 342.50 | 1,500.00 |
| Actual crop nutrient removal | 211.12 | 55.66 | 522.04 | 2,360.68 |
| Nutrient balance | 11.47 | -5.74 | -196.07 | -551.05 |
| Applied to removed ratio | 1.05 | 0.90 | 0.62 | 0.77 |

| Fresh water applied |
|------------------------------|
| 56,522,943.00 <i>gallons</i> |
| 2,081.55 <i>acre-inches</i> |
| 27.75 <i>inches/acre</i> |

| Process wastewater applied |
|-----------------------------|
| 4,347,582.00 <i>gallons</i> |
| 160.11 <i>acre-inches</i> |
| 2.13 <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.

NUTRIENT ANALYSES

A. MANURE ANALYSES

Manure

Sample and source description: Manure

Sample date: 10/05/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 12.6 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Calcium (mg/kg) | Magnesium (mg/kg) | Sodium (mg/kg) | Sulfur (mg/kg) | Chloride (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|---------------------|-----------------------|------------|
| Value | 15,100.00 | 5,000.00 | 15,200.00 | | | | | | | |
| DL | 100.00 | 200.00 | 200.00 | | | | | | | |

Manure

Sample and source description: Manure

Sample date: 05/01/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 8.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Calcium (mg/kg) | Magnesium (mg/kg) | Sodium (mg/kg) | Sulfur (mg/kg) | Chloride (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|---------------------|-----------------------|------------|
| Value | 30,500.00 | 9,600.00 | 39,500.00 | | | | | | | |
| DL | 100.00 | 200.00 | 200.00 | | | | | | | |

Manure

Sample and source description: Manure

Sample date: 10/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 35.6 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Calcium (mg/kg) | Magnesium (mg/kg) | Sodium (mg/kg) | Sulfur (mg/kg) | Chloride (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|---------------------|-----------------------|------------|
| Value | 21,400.00 | 8,600.00 | 28,200.00 | | | | | | | |
| DL | 100.00 | 200.00 | 200.00 | | | | | | | |

B. PROCESS WASTEWATER ANALYSES

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

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

Lagoon

Sample and source description: Lagoon

Sample date: 11/10/2022 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 | 383.00 | 304.00 | 0.00 | 0.00 | 52.90 | 417.00 | | | | | | | | 7,290.00 | 4,840 |
| DL | 10.00 | 2.00 | 0.10 | 0.10 | 0.20 | 0.50 | | | | | | | | 100.00 | 10 |

Lagoon

Sample and source description: Lagoon

Sample date: 03/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

| | 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 | 362.00 | 268.00 | 0.00 | 0.00 | 36.80 | 521.00 | | | | | | | | 5,710.00 | 3,790 |
| DL | 10.00 | 2.00 | 0.10 | 0.10 | 0.20 | 0.50 | | | | | | | | 100.00 | 10 |

Lagoon

Sample and source description: Lagoon

Sample date: 05/01/2023 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 | 470.00 | 429.00 | 0.00 | 0.00 | 105.00 | 701.00 | | | | | | | | 4,110.00 | 2,730 |
| DL | 10.00 | 2.00 | 1.00 | 1.00 | 0.20 | 0.50 | | | | | | | | 100.00 | 10 |

Lagoon

Sample and source description: Lagoon

Sample date: 08/02/2023 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 | 323.00 | 312.00 | 0.00 | 0.00 | 94.10 | 537.00 | | | | | | | | 7,400.00 | 4,910 |
| DL | 10.00 | 2.00 | 1.00 | 1.00 | 0.20 | 0.50 | | | | | | | | 100.00 | 10 |

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

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

Lagoon

Sample and source description: Lagoon

Sample date: 11/07/2023 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 | 523.00 | 519.00 | 0.00 | 0.00 | 28.40 | 607.00 | | | | | | | | 7,830.00 | 5,200 |
| DL | 10.00 | 2.00 | 0.10 | 0.10 | 0.20 | 0.50 | | | | | | | | 100.00 | 10 |

C. FRESH WATER ANALYSES

Buena Vista ID

Buena Vista ID

Sample description: Buena Vista ID

Sample date: 06/28/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 0.00 | 0.00 | 0.00 | | | | | | | | 70.00 | 50 |
| DL | 0.50 | 0.50 | 0.50 | | | | | | | | 1.00 | 20 |

BV 3

Irrigation Well

Sample description: Irrigation Well

Sample date: 06/28/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 0.00 | 0.00 | 0.00 | | | | | | | | 458.00 | 280 |
| DL | 0.10 | 0.50 | 0.50 | | | | | | | | 100.00 | 20 |

BV 4

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

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

BV 4

Irrigation Well

Sample description: Irrigation Well

Sample date: 06/28/2023 Source of analysis: Lab analysis

| | Total N (mg/L) | NH4-N (mg/L) | Nitrate-N (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Bicarbonate (mg/L) | Carbonate (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | EC (µmhos/cm) | TDS (mg/L) |
|--------------|-------------------|-----------------|---------------------|-------------------|---------------------|------------------|-----------------------|---------------------|-------------------|--------------------|------------------|---------------|
| Value | 0.00 | 0.00 | 0.00 | | | | | | | | 610.00 | 410 |
| DL | 0.50 | 0.10 | 0.40 | | | | | | | | 1.00 | 20 |

Dairy Well

Domestic Well

Sample description: Domestic Well

Sample date: 08/25/2022 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 | 0.00 | 0.00 | 0.00 | | | | | | | | 381.00 | |
| DL | 0.20 | 0.10 | 0.20 | | | | | | | | 1.00 | |

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

BV-1 - 11/10/2022: Wheat, silage, soft dough

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

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

BV-1 - 11/10/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 05/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,900.00 | 2,700.00 | 12,800.00 | | 7.56 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-1 - 06/01/2023: Sorghum-Sudangrass, forage

Sorghum

Sample and source description: Sorghum

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.6 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 13,100.00 | 2,800.00 | 17,900.00 | | 11.40 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-10 - 11/10/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 05/28/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.9 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,000.00 | 3,400.00 | 17,800.00 | | 10.70 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

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

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

BV-10 - 06/01/2023: Sorghum-Sudangrass, forage

SorghumSample and source description: SorghumSample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 67.5 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 11,500.00 | 2,800.00 | 26,200.00 | | 13.30 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-11 - 11/10/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 05/28/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 67.6 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 16,700.00 | 3,600.00 | 16,600.00 | | 10.30 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-11 - 06/02/2023: Sorghum-Sudangrass, forage

SorghumSample and source description: SorghumSample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 64.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 11,300.00 | 2,800.00 | 22,600.00 | | 12.10 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

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

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

BV-3 - 11/11/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 75.8 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 23,400.00 | 4,600.00 | 26,600.00 | | 12.20 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-3 - 06/02/2023: Sorghum-Sudangrass, forage

SorghumSample and source description: SorghumSample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 69.9 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 12,800.00 | 1,800.00 | 10,800.00 | | 10.50 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-4 - 11/12/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 66.3 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,700.00 | 3,400.00 | 20,500.00 | | 8.12 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

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

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

BV-4 - 06/05/2023: Sorghum-Sudangrass, forage

Sorghum

Sample and source description: Sorghum

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 13,000.00 | 3,200.00 | 21,600.00 | | 12.10 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-5 - 11/13/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 05/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.7 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,100.00 | 2,800.00 | 10,900.00 | | 6.65 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-5 - 06/05/2023: Sorghum-Sudangrass, forage

Sorghum

Sample and source description: Sorghum

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 13,300.00 | 3,000.00 | 24,700.00 | | 12.90 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

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

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

BV-6 - 11/14/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.9 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,600.00 | 3,900.00 | 23,200.00 | | 10.30 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-6 - 06/06/2023: Sorghum-Sudangrass, forage

Sorghum

Sample and source description: Sorghum

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.4 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 11,800.00 | 3,000.00 | 22,200.00 | | 11.60 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-7 - 03/20/2019: Alfalfa, hay

Alfalfa

Sample and source description: Alfalfa

Sample date: 11/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 11.3 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 35,100.00 | 2,900.00 | 25,100.00 | | 10.80 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

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

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

BV-8 - 03/24/2019: Alfalfa, hay

Alfalfa

Sample and source description: Alfalfa

Sample date: 11/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 8.3 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 36,700.00 | 3,100.00 | 24,900.00 | | 11.60 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-9 - 11/14/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 05/27/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.1 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 17,900.00 | 3,600.00 | 17,000.00 | | 10.70 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

BV-9 - 06/06/2023: Sorghum-Sudangrass, forage

Sorghum

Sample and source description: Sorghum

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

Moisture: 62.1 %

| | Total N (mg/kg) | Total P (mg/kg) | Total K (mg/kg) | Total salt (mg/kg) | TFS (%) |
|--------------|-----------------|-----------------|-----------------|--------------------|---------|
| Value | 11,000.00 | 2,900.00 | 27,200.00 | | 12.30 |
| DL | 500.00 | 200.00 | 200.00 | | 0.05 |

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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

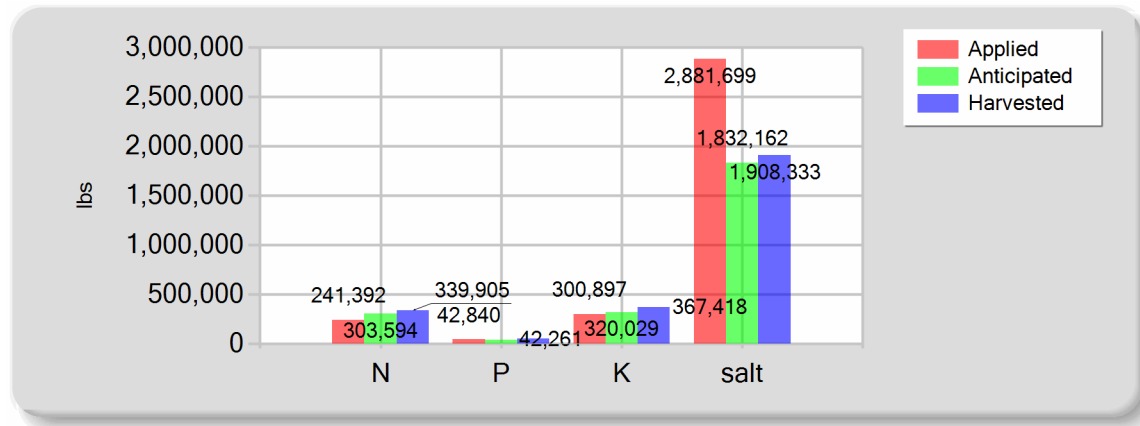
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

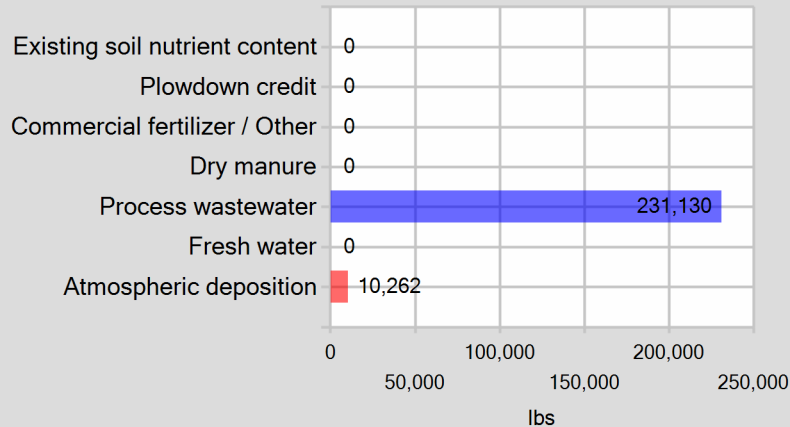
| | Total N (lbs) | Total P (lbs) | Total K (lbs) | Total salt (lbs) |
|-----------------------------------|---------------|---------------|---------------|------------------|
| Existing soil nutrient content | 0.00 | 0.00 | 0.00 | 0.00 |
| Plowdown credit | 0.00 | 0.00 | 0.00 | 0.00 |
| Commercial fertilizer / Other | 0.00 | 0.00 | 0.00 | 0.00 |
| Dry manure | 0.00 | 0.00 | 0.00 | 0.00 |
| Process wastewater | 231,130.34 | 42,840.42 | 300,897.06 | 2,274,644.69 |
| Fresh water | 0.00 | 0.00 | 0.00 | 607,054.39 |
| Atmospheric deposition | 10,262.00 | 0.00 | 0.00 | 0.00 |
| Total nutrients applied | 241,392.34 | 42,840.42 | 300,897.06 | 2,881,699.08 |
| Anticipated crop nutrient removal | 303,594.00 | 42,260.80 | 320,028.70 | 1,832,162.00 |
| Actual crop nutrient removal | 339,904.60 | 52,450.95 | 367,417.51 | 1,908,333.30 |
| Nutrient balance | -98,512.26 | -9,610.54 | -66,520.45 | 973,365.78 |
| Applied to removed ratio | 0.71 | 0.82 | 0.82 | 1.51 |

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

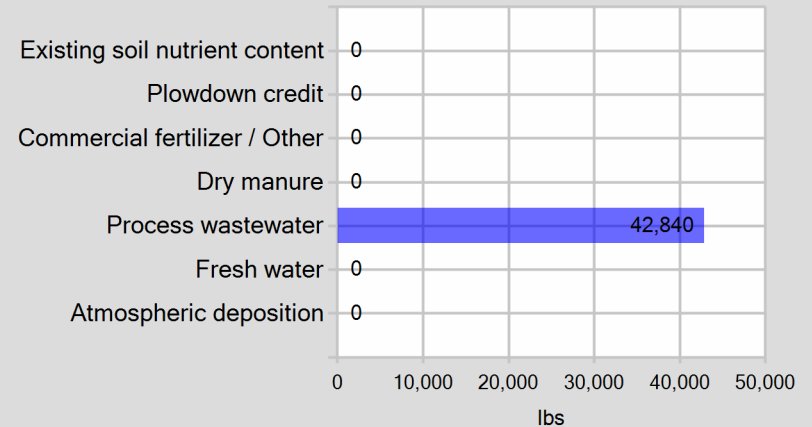


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

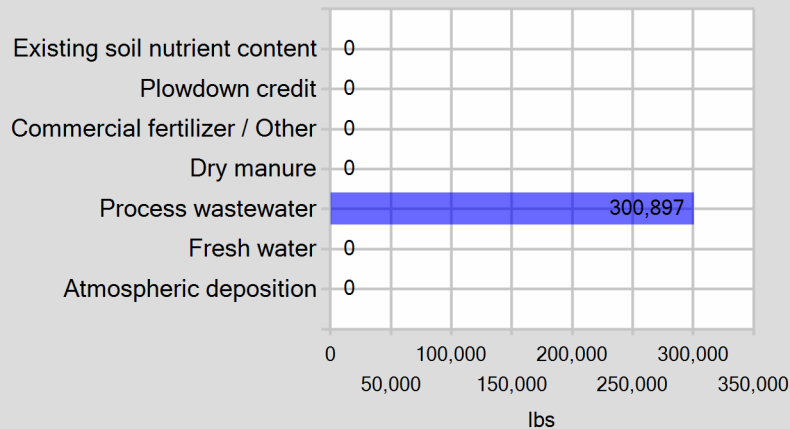
Pounds of nitrogen applied



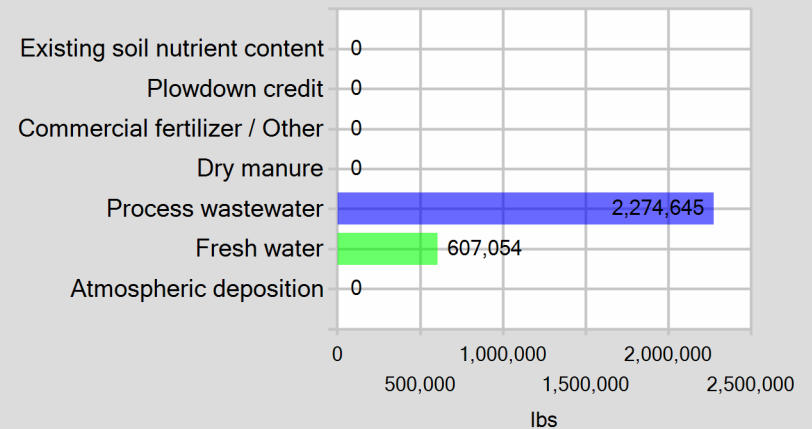
Pounds of phosphorus applied



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

~Wells~ BV9, BV11 were Out of Service in 2023.

Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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


SIGNATURE OF OWNER OF FACILITY

John Bidart
PRINT OR TYPE NAME

6/14/2024
DATE


SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER
PRINT OR TYPE NAME

6/14/2024
DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Groundwater Monitoring

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

Storm Water Monitoring

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

July 17, 2023

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Lab No. : VI 2344350
Customer No. : 4019696
Reference : 3051

Laboratory Report

Introduction: This report package contains a total of 4 pages divided into 3 sections:

| | | |
|-----------------|-----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (2 pages) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|--------------------|--------------|---------------|----------------|--------|
| BV3 | 06/28/2023 | 06/28/2023 | VI 2344350-001 | AGW |
| BV4 | 06/28/2023 | 06/28/2023 | VI 2344350-002 | AGW |

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

| | |
|---------------|---|
| EPA 351.2 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 2540 C | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-H+B | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-NO3 F | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: KEH

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-07-17

July 17, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : BV3
 Project : BV

Lab No. : VI 2344350-001
 Customer No. : 4019696
 Reference : 3051
 Sampled On : June 28, 2023 at 08:30
 Sampled By : Klay
 Received On : June 28, 2023 at 10:44
 Matrix : Ag Water

Sample Results - Inorganic

| Constituent | Result | RL | Units | Note | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|-------------------------------|--------|-----|----------|------|------|-----|--------------------|-------|-----|-----------------|------------|-------|-----|
| Dairy Analysis | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Nitrogen, Total Kjeldahl | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | EPA 351.2 | 07/14/2023 | 16:48 | lcr |
| Nitrate Nitrogen | ND | 0.4 | mg/L | | 1 | U | 06/29/2023 | 12:00 | lfs | SM 4500-NO3 F | 06/29/2023 | 14:56 | lfs |
| Nitrogen, Total as Nitrogen | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | Calc. | 07/14/2023 | 16:48 | lcr |
| Nitrate + Nitrite as N | ND | 0.4 | mg/L | | 1 | U | 06/29/2023 | 12:00 | lfs | SM 4500-NO3 F | 06/29/2023 | 14:56 | lfs |
| Kjeldahl Nitrogen | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | EPA 351.2 | 07/14/2023 | 16:48 | lcr |
| Conductivity | 458 | 1 | umhos/cm | | 1 | | 07/05/2023 | 14:10 | amm | SM 4500-H+B | 07/06/2023 | 00:42 | sta |
| Solids, Total Dissolved (TDS) | 280 | 20 | mg/L | | 1 | | 06/29/2023 | 17:00 | ctl | SM 2540 C | 06/30/2023 | 11:50 | ctl |

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Corporate Offices & Laboratory

853 Corporation Street
 Santa Paula, CA 93060
 TEL: (805)392-2000
 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
 CA ELAP Certification No. 1573

Office & Laboratory

2500 Stagecoach Road
 Stockton, CA 95215
 TEL: (209)942-0182
 FAX: (209)942-0423
 CA ELAP Certification No. 1563

Office & Laboratory

563 E. Lindo Avenue
 Chico, CA 95926
 TEL: (530)343-5818
 FAX: (530)343-3807
 CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D
 San Luis Obispo, CA 93401
 TEL: (805)783-2940
 FAX: (805)783-2912
 CA ELAP Certification No. 2775

Office & Laboratory

9415 W. Goshen Avenue
 Visalia, CA 93291
 TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

July 17, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : BV4
 Project : BV

Lab No. : VI 2344350-002
 Customer No. : 4019696
 Reference : 3051
 Sampled On : June 28, 2023 at 08:35
 Sampled By : Klay
 Received On : June 28, 2023 at 10:44
 Matrix : Ag Water

Sample Results - Inorganic

| Constituent | Result | RL | Units | Note | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|-------------------------------|--------|-----|----------|------|------|-----|--------------------|-------|-----|-----------------|------------|-------|-----|
| Dairy Analysis | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Nitrogen, Total Kjeldahl | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | EPA 351.2 | 07/14/2023 | 16:51 | lcr |
| Nitrate Nitrogen | ND | 0.4 | mg/L | | 1 | U | 06/29/2023 | 12:00 | lfs | SM 4500-NO3 F | 06/29/2023 | 14:58 | lfs |
| Nitrogen, Total as Nitrogen | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | Calc. | 07/14/2023 | 16:51 | lcr |
| Nitrate + Nitrite as N | ND | 0.4 | mg/L | | 1 | U | 06/29/2023 | 12:00 | lfs | SM 4500-NO3 F | 06/29/2023 | 14:58 | lfs |
| Kjeldahl Nitrogen | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | EPA 351.2 | 07/14/2023 | 16:51 | lcr |
| Conductivity | 610 | 1 | umhos/cm | | 1 | | 07/05/2023 | 14:10 | amm | SM 4500-H+B | 07/06/2023 | 00:47 | sta |
| Solids, Total Dissolved (TDS) | 410 | 20 | mg/L | | 1 | | 06/29/2023 | 16:30 | ctl | SM 2540 C | 06/30/2023 | 11:50 | ctl |

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Corporate Offices & Laboratory

853 Corporation Street
 Santa Paula, CA 93060
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 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
 CA ELAP Certification No. 1573

Office & Laboratory

2500 Stagecoach Road
 Stockton, CA 95215
 TEL: (209)942-0182
 FAX: (209)942-0423
 CA ELAP Certification No. 1563

Office & Laboratory

563 E. Lindo Avenue
 Chico, CA 95926
 TEL: (530)343-5818
 FAX: (530)343-3807
 CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D
 San Luis Obispo, CA 93401
 TEL: (805)783-2940
 FAX: (805)783-2912
 CA ELAP Certification No. 2775

Office & Laboratory

9415 W. Goshen Avenue
 Visalia, CA 93291
 TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

July 17, 2023
Sentry Ag Service

Lab No. : VI 2344350
Customer No. : 4019696

Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|--------------------------|----------|--|-------|----------|-------|---------|--------|------|
| Wet Chem | | | | | | | | |
| E. C. | 2320B | (STK2338534-002) | Dup | umhos/cm | | 0.3% | 5 | |
| Solids, Total Dissolved | 2540CE | 06/29/2023:207182CTL (SP 2311097-001) (SP 2311097-001) (VI 2344376-001) (VI 2344376-001) | Blank | mg/L | 993.7 | ND | <20 | |
| | | | LCS | mg/L | | 102% | 90-110 | |
| | | | Dup | mg/L | | 4.35% | 5 | |
| | | | Dup | mg/L | 993.7 | 0.9% | 5 | |
| | | | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | | 99.2% | 90-110 | |
| | | | Dup | mg/L | | 1.12% | 5 | |
| Nitrogen, Total Kjeldahl | 351.2 | 07/11/2023:207567STA (VI 2344346-001) (VI 2344346-002) | Dup | mg/L | 12.00 | 1.19% | 5 | |
| | | | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | | 95.6% | 73-124 | |
| | | | MS | mg/L | 12.00 | 93.6% | 54-136 | |
| | | | MSD | mg/L | | 92.2% | 54-136 | |
| | | | MSRPD | mg/L | | 1.4% | ≤27 | |
| | | | MS | mg/L | | 93.7% | 54-136 | |
| Nitrate + Nitrite as N | 4500NO3F | 06/29/2023:207183LFS (VI 2344345-001) | MSD | mg/L | 12.00 | 96.7% | 54-136 | |
| | | | MSRPD | mg/L | | 3.1% | ≤27 | |
| | | | Blank | mg/L | 11.22 | ND | <0.4 | |
| | | | LCS | mg/L | | 98.0% | 80-120 | |
| | | | MS | mg/L | | 94.6% | 66-125 | |
| Nitrate Nitrogen | 4500NO3F | 06/29/2023:207183LFS (VI 2344345-001) | MSD | mg/L | 5.609 | 95.5% | 66-125 | |
| | | | MSRPD | mg/L | | 0.5% | ≤30.4 | |
| | | | Blank | mg/L | 11.22 | ND | <0.4 | |
| | | | LCS | mg/L | | 98.0% | 80-120 | |
| | | | MS | mg/L | | 94.6% | 66-125 | |
| | | | MSD | mg/L | 5.609 | 95.5% | 66-125 | |
| | | | MSRPD | mg/L | | 0.5% | ≤30.4 | |

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

ND : Non-detect - Result was below the DQO listed for the analyte.



2344350

Laboratory Analysis Work Order

3051

SITE NAME:

BV

LABORATORY: VT

FGL 4-19696

Billing:

Sentry Ag Services, LLC

P.O. Box 7750, Visalia, CA 93290

Authorized Copy Release to:

labs@sentryagservices.com

ANALYSIS TO BE COMPLETED

Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
 W2 EC, NO₃N, TDS, TN (Irr)
 W3 NH₄-N (Ammonium)
 W4 EC, NO₃N, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)
 W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)
 W6 NO₃N, NO₂ (Dom ILRP, Annually)
 W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
 W8 Other: _____

Plant Tissue

- P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)
 P2 TN, P, K (Mid-season - Corn)
 P3 TN, TP, TK, Ash, %M (At Harvest)
 P4 TN, %M
 P5 % Moisture
 P6 NIR
 P7 Other: _____

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
 L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
 L3 Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
 L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
 M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
 M3 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
 S2 S1 + CEC, CaCO₃, OM, C:N, TN
 S3 NO₃N, NH₄N
 S4 Other: _____

ROI
5.4°

| | Sample ID | Description | Analysis | Date/Time | Sampled by | SAS USE ONLY: FIELD TESTS | | |
|----|-----------|-------------|----------|--------------|------------|---------------------------|----|------|
| | | | | | | NH ₃ N * | pH | Temp |
| 1 | BV3 | Irr. Well | W2 | 6/28/23 8:30 | Klay | — | | |
| 2 | BV4 | ↓ | ↓ | ↓ 8:35 | ↓ | — | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWOCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

CHAIN OF CUSTODY RECORDING

| | Signature | Company | Received Date & Time | Relinquished Date & Time |
|-----------------|-----------|---------|----------------------|--------------------------|
| 1 st | Klay | MAS | | 6/28/23 10:44 |
| 2 nd | SRO | FGL | 6/28/23 1044 | |
| 3 rd | SRO | FGL | | 6/28/23 1730 |
| 4 th | | GILS | 6/28/23 1730 | |

LABORATORY USE ONLY

Logged In By:

GILS 6/29/23
CDA 1628

Total Samples:

Laboratory No.:

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 201 / 5.4 / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of $>10^{\circ}\text{C}$, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

3. Do the number of bottles received agree with the COC? Yes No N/A

4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No

5. VOAs checked for Headspace? Yes No N/A

6. Were sample custody seals intact? Yes No N/A

7. If required, was sample split for pH analysis? Yes No N/A

8. Were all analyses within holding times at time of receipt? Yes No

9. Verify sample date, time and sampler name Yes No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SRO

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 1 / 2 / 4 / 4 /

Acceptable is above freezing to 6°C . If many packages are received at one time check for tests/H.T.'s/rushes/

2. Shipping tracking numbers:

559678703 / 7 / 691 / 696

3. Do the number of bottles received agree with the COC? Yes No N/A

4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No

5. Were sample custody seals intact? Yes No N/A

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No

2. Did bottle labels correspond with the client's ID's? Yes No

3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL

[Exception: Oil & Grease, VOA and CrVI verified in lab]

4. VOAs checked for Headspace? Yes No N/A

5. Have rush or project due dates been checked and accepted? Yes No N/A

6. Were all analyses within holding times at time of receipt? Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CDA

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem: _____

Resolution: _____

2. Person Contacted: _____

Initiated By: _____

Problem: _____

Resolution: _____

(Please use the back of this sheet for additional contacts)

(4019696)
Sentry Ag Service
VI 2344350

iv 06/28/2023 11:43:30



July 20, 2023

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Lab No. : VI 2344349
Customer No. : 4019696
Reference : 3048

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

| | | |
|-----------------|----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (1 page) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|--------------------|--------------|---------------|----------------|--------|
| Buena Vista ID | 06/28/2023 | 06/28/2023 | VI 2344349-001 | AGW |

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

| | |
|---------------|---|
| EPA 351.2 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 2540 C | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-H+B | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-NO3 F | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: KEH

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-07-21

July 20, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : Buena Vista ID
 Project : Buena Vista ID

Lab No. : VI 2344349-001
 Customer No. : 4019696
 Reference : 3048
 Sampled On : June 28, 2023 at 07:50
 Sampled By : Klay
 Received On : June 28, 2023 at 10:44
 Matrix : Ag Water

Sample Results - Inorganic

| Constituent | Result | RL | Units | Note | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|-------------------------------|--------|-----|----------|------|------|-----|--------------------|-------|-----|-----------------|------------|-------|-----|
| Dairy Analysis | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Nitrogen, Total Kjeldahl | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | EPA 351.2 | 07/17/2023 | 19:07 | lcr |
| Nitrate Nitrogen | ND | 0.4 | mg/L | | 1 | U | 06/29/2023 | 12:00 | lfs | SM 4500-NO3 F | 06/29/2023 | 14:51 | lfs |
| Nitrogen, Total as Nitrogen | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | Calc. | 07/17/2023 | 19:07 | lcr |
| Nitrate + Nitrite as N | ND | 0.4 | mg/L | | 1 | U | 06/29/2023 | 12:00 | lfs | SM 4500-NO3 F | 06/29/2023 | 14:51 | lfs |
| Kjeldahl Nitrogen | ND | 0.5 | mg/L | | 1 | U | 07/11/2023 | 15:00 | sta | EPA 351.2 | 07/17/2023 | 19:07 | lcr |
| Conductivity | 70 | 1 | umhos/cm | | 1 | | 07/05/2023 | 14:10 | amm | SM 4500-H+B | 07/06/2023 | 01:46 | sta |
| Solids, Total Dissolved (TDS) | 50 | 20 | mg/L | | 1 | | 06/29/2023 | 17:00 | ctl | SM 2540 C | 06/30/2023 | 11:50 | ctl |

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

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 Santa Paula, CA 93060
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 FAX: (209)942-0423
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 TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

July 20, 2023
Sentry Ag Service

Lab No. : VI 2344349
Customer No. : 4019696

Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|--------------------------|----------|----------------------|----------------------|----------|-------|---------|--------|------|
| Wet Chem | | | | | | | | |
| E. C. | 2320B | (VI 2343910-002) | Dup | umhos/cm | | 0% | 5 | |
| Solids, Total Dissolved | 2540CE | 06/29/2023:207182CTL | Blank | mg/L | 993.7 | ND | <20 | |
| | | | LCS | mg/L | | 99.2% | 90-110 | |
| | | | (VI 2344376-001) Dup | mg/L | | 1.12% | 5 | |
| | | | (VI 2344376-001) Dup | mg/L | | 1.19% | 5 | |
| Nitrogen, Total Kjeldahl | 351.2 | 07/11/2023:207567STA | Blank | mg/L | 12.00 | ND | <0.5 | |
| | | | LCS | mg/L | | 96.2% | 73-124 | |
| | | | MS | mg/L | | 93.1% | 54-136 | |
| | | | (STK2338587-001) MSD | mg/L | | 92.6% | 54-136 | |
| | | | MSRPD | mg/L | | 0.6% | ≤27 | |
| | | | MS | mg/L | | 93.1% | 54-136 | |
| | | | (STK2338587-003) MSD | mg/L | | 91.7% | 54-136 | |
| | | | MSRPD | mg/L | | 1.5% | ≤27 | |
| Nitrate + Nitrite as N | 4500NO3F | 06/29/2023:207183LFS | Blank | mg/L | 11.22 | ND | <0.4 | |
| | | | LCS | mg/L | | 98.0% | 80-120 | |
| | | | MS | mg/L | | 94.6% | 66-125 | |
| | | | (VI 2344345-001) MSD | mg/L | | 95.5% | 66-125 | |
| | | | MSRPD | mg/L | | 0.5% | ≤30.4 | |
| Nitrate Nitrogen | 4500NO3F | 06/29/2023:207183LFS | Blank | mg/L | 11.22 | ND | <0.4 | |
| | | | LCS | mg/L | | 98.0% | 80-120 | |
| | | | MS | mg/L | | 94.6% | 66-125 | |
| | | | (VI 2344345-001) MSD | mg/L | | 95.5% | 66-125 | |
| | | | MSRPD | mg/L | | 0.5% | ≤30.4 | |

Definition

| | |
|-------|--|
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |
| Dup | : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |



Laboratory Analysis Work Order

3048

SITE NAME: Buena Vista ID

LABORATORY: VT | FGL 4-19696

Billing: Sentry Ag Services, LLC
P.O. Box 7750, Visalia, CA 93290

Authorized Copy Release to:
labs@sentryagservices.com

ANALYSIS TO BE COMPLETED

Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
W2 EC, NO₃N, TDS, TN (Irr)
W3 NH₄-N (Ammonium)
W4 EC, NO₃N, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)
W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)
W6 NO₃N, NO₂ (Dom ILRP, Annually)
W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
W8 Other: _____

R01
5.4

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
L3 Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
M3 Other: _____

Plant Tissue

- P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)
P2 TN, P, K (Mid-season - Corn)
P3 TN, TP, TK, Ash, %M (At Harvest)
P4 TN, %M
P5 % Moisture
P6 NIR
P7 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
S2 S1 + CEC, CaCO₃, OM, C:N, TN
S3 NO₃N, NH₄N
S4 Other: _____

| | Sample ID | Description | Analysis | Date/Time | Sampled by | SAS USE ONLY: FIELD TESTS | | |
|----|----------------|-------------|----------|--------------|------------|---------------------------|----|------|
| | | | | | | NH ₃ N * | pH | Temp |
| 1 | Buena Vista ID | Canal | W2 | 6/28/23 7:50 | Klay | - | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures or the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

CHAIN OF CUSTODY RECORDING

| | Signature | Company | Received Date & Time | Relinquished Date & Time |
|-----------------|-------------|---------|----------------------|--------------------------|
| 1 st | Klay Miller | SAI | | 6/28/23 10:44 |
| 2 nd | SRO | FGL | 6/28/23 1044 | |
| 3 rd | SRO | FGL | | 6-28-23 1730 |
| 4 th | GLS | GLS | 6-28-23 1730 | |

LABORATORY USE ONLY

Logged In By: CDA 6/29/23 1028 Total Samples: _____ Laboratory No.: _____

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 20 / 15.4 / / /
Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

- | | | | |
|---|--------------------------------------|----|--------------------------------------|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="radio"/> Yes | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="radio"/> Yes | No | |
| 5. VOAs checked for Headspace? | Yes | No | <input checked="" type="radio"/> N/A |
| 6. Were sample custody seals intact? | Yes | No | <input checked="" type="radio"/> N/A |
| 7. If required, was sample split for pH analysis? | Yes | No | <input checked="" type="radio"/> N/A |
| 8. Were all analyses within holding times at time of receipt? | <input checked="" type="radio"/> Yes | No | |
| 9. Verify sample date, time and sampler name | <input checked="" type="radio"/> Yes | No | |

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SRO

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 2 / 1 / 4 / 4 /
Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

2. Shipping tracking numbers:

559678703 / 7 / 691 / 696

- | | | | |
|---|--------------------------------------|----|--------------------------------------|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="radio"/> Yes | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="radio"/> Yes | No | |
| 5. Were sample custody seals intact? | Yes | No | <input checked="" type="radio"/> N/A |

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

- | | | | |
|---|--------------------------------------|----|--------------------------------------|
| 1. Were all requested analyses understood and acceptable? | <input checked="" type="radio"/> Yes | No | |
| 2. Did bottle labels correspond with the client's ID's? | <input checked="" type="radio"/> Yes | No | |
| 3. Were all bottles requiring sample preservation properly preserved? <small>[Exception: Oil & Grease, VOA and CrVI verified in lab]</small> | <input checked="" type="radio"/> Yes | No | N/A FGL |
| 4. VOAs checked for Headspace? | Yes | No | <input checked="" type="radio"/> N/A |
| 5. Have rush or project due dates been checked and accepted? | Yes | No | <input checked="" type="radio"/> N/A |
| 6. Were all analyses within holding times at time of receipt? | <input checked="" type="radio"/> Yes | No | |

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CPA

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____
Resolution: _____

2. Person Contacted: _____
Initiated By: _____
Problem: _____
Resolution: _____

(Please use the back of this sheet for addition contacts)

(4019696)
Sentry Ag Service
VI 2344349

iv 06/28/2023 11:43:26



VI 2344349

December 18, 2023

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Lab No. : VI 2348238
Customer No. : 4019696
Reference : 3458

Laboratory Report

Introduction: This report package contains a total of 4 pages divided into 3 sections:

| | | |
|-----------------|-----------|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (1 page) | : Results for each sample submitted. |
| Quality Control | (2 pages) | : Supporting Quality Control (QC) results. |

Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|--------------------|--------------|---------------|----------------|--------|
| Dairy Well | 12/06/2023 | 12/06/2023 | VI 2348238-001 | DW |

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

| | |
|-------------|---|
| EPA 200.7 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 300.0 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 2540 C | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-H+B | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: JRD

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-12-18

December 18, 2023

Sentry Ag Services

Attn: Monique Baldiviez

P.O. Box 7750

Visalia, CA 93290

Description : Dairy Well

Project : BV

Lab No. : VI 2348238-001

Customer No. : 4019696

Reference : 3458

Sampled On : December 6, 2023 at 09:40

Sampled By : Klay Mittel

Received On : December 6, 2023 at 12:47

Matrix : Drinking Water

Sample Results - Inorganic

| Constituent | Result | RL | Units | MCL/AL | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|------------------------------------|--------|------|----------|-------------------|------|-----|--------------------|-------|-----|-----------------|------------|-------|-----|
| Dairy Analysis | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Alkalinity (as CaCO ₃) | 90 | 10 | mg/L | | 1 | | 12/09/2023 | 15:04 | amm | SM 4500-H+B | 12/09/2023 | 19:11 | amm |
| Bicarbonate | 100 | 10 | mg/L | | 1 | | 12/09/2023 | 15:04 | amm | SM 4500-H+B | 12/09/2023 | 19:11 | amm |
| Carbonate | ND | 10 | mg/L | | 1 | U | 12/09/2023 | 15:04 | amm | SM 4500-H+B | 12/09/2023 | 19:11 | amm |
| Hydroxide | ND | 10 | mg/L | | 1 | U | 12/09/2023 | 15:04 | amm | SM 4500-H+B | 12/09/2023 | 19:11 | amm |
| Chloride | 12 | 1 | mg/L | 500 ² | 1 | | 12/07/2023 | 11:23 | ldm | EPA 300.0 | 12/08/2023 | 08:53 | ldm |
| Nitrate Nitrogen | ND | 0.1 | mg/L | 10 | 1 | J | 12/07/2023 | 11:23 | ldm | EPA 300.0 | 12/08/2023 | 08:53 | ldm |
| Conductivity | 410 | 1 | umhos/cm | 1600 ² | 1 | | 12/09/2023 | 15:04 | amm | SM 4500-H+B | 12/09/2023 | 19:11 | amm |
| Sulfate Sulfur | 27.7 | 0.17 | mg/L | | 1 | | 12/07/2023 | 11:23 | ldm | EPA 300.0 | 12/08/2023 | 08:53 | ldm |
| Solids, Total Dissolved (TDS) | 290 | 20 | mg/L | 1000 ² | 1 | | 12/08/2023 | 09:50 | ctl | SM 2540 C | 12/11/2023 | 11:30 | ctl |
| Calcium | 9 | 1 | mg/L | | 1 | | 12/11/2023 | 02:32 | ejc | EPA 200.7 | 12/12/2023 | 19:45 | ac |
| Magnesium | ND | 1 | mg/L | | 1 | U | 12/11/2023 | 02:32 | ejc | EPA 200.7 | 12/12/2023 | 19:45 | ac |
| Potassium | ND | 1 | mg/L | | 1 | U | 12/11/2023 | 02:32 | ejc | EPA 200.7 | 12/12/2023 | 19:45 | ac |
| Sodium | 79 | 1 | mg/L | | 1 | | 12/11/2023 | 02:32 | ejc | EPA 200.7 | 12/12/2023 | 19:45 | ac |

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.

ND=Non-Detected, RL=Reporting Level, Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

December 18, 2023
Sentry Ag Service

Lab No. : VI 2348238
Customer No. : 4019696

Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|-------------------|--------|--|-------|-------|-------|---------|--------|------|
| Metals Calcium | 200.7 | 12/11/2023:213908EJC (CC 2384348-001) (SP 2320220-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 106% | 85-115 | |
| | | | MS | mg/L | 12.00 | -2300% | <1/4 | 406 |
| | | | MSD | mg/L | 12.00 | -2490% | <1/4 | |
| | | | MSRPD | mg/L | | 1.7% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 251% | <1/4 | 406 |
| | | | MSD | mg/L | 12.00 | 127% | <1/4 | |
| | | | MSRPD | mg/L | | 5.8% | ≤20.0 | |
| Magnesium | 200.7 | 12/11/2023:213908EJC (CC 2384348-001) (SP 2320220-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 97.7% | 85-115 | |
| | | | MS | mg/L | 12.00 | -695% | <1/4 | 406 |
| | | | MSD | mg/L | 12.00 | -716% | <1/4 | |
| | | | MSRPD | mg/L | | 0.6% | ≤20 | |
| | | | MS | mg/L | 12.00 | 114% | 75-125 | |
| | | | MSD | mg/L | 12.00 | 108% | 75-125 | |
| | | | MSRPD | mg/L | | 0.8% | ≤20 | |
| Potassium | 200.7 | 12/11/2023:213908EJC (CC 2384348-001) (SP 2320220-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 102% | 85-115 | |
| | | | MS | mg/L | 12.00 | 100% | 75-125 | |
| | | | MSD | mg/L | 12.00 | 108% | 75-125 | |
| | | | MSRPD | mg/L | | 2.4% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 110% | 75-125 | |
| | | | MSD | mg/L | 12.00 | 105% | 75-125 | |
| | | | MSRPD | mg/L | | 2.4% | ≤20.0 | |
| Sodium | 200.7 | 12/11/2023:213908EJC (CC 2384348-001) (SP 2320220-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 105% | 85-115 | |
| | | | MS | mg/L | 12.00 | -2230% | <1/4 | 406 |
| | | | MSD | mg/L | 12.00 | -2560% | <1/4 | |
| | | | MSRPD | mg/L | | 0.9% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 129% | <1/4 | 406 |
| | | | MSD | mg/L | 12.00 | 157% | <1/4 | |
| | | | MSRPD | mg/L | | 1.8% | ≤20.0 | |

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.

Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|------------------------------------|--------|----------------------|-------|----------|-------|---------|--------|------|
| Wet Chem | | | | | | | | |
| Alkalinity (as CaCO ₃) | 2320B | 12/09/2023:213884AMM | ND | mg/L | | 0.2% | 10 | 406 |
| Bicarbonate | 2320B | (STK2356553-007) | Dup | mg/L | | 0.2% | 10 | |
| E. C. | 2320B | (STK2356553-007) | Dup | umhos/cm | | 0.06% | 5 | |
| Solids, Total Dissolved | 2540CE | 12/08/2023:213823CTL | Blank | mg/L | | ND | <20 | |
| | | (SP 2320140-001) | LCS | mg/L | 991.5 | 99.5% | 90-110 | |
| | | (SP 2320140-001) | Dup | mg/L | | 0.6% | 5 | |
| | | (SP 2320140-001) | Dup | mg/L | | 0.2% | 5 | |
| Chloride | 300.0 | 12/07/2023:213946LDM | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 98.5% | 90-110 | |
| | | | MS | mg/L | 50.00 | 102% | 67-117 | |
| | | | MSD | mg/L | 50.00 | 102% | 67-117 | |
| | | (CH 2373985-001) | MSRPD | mg/L | | 0.0% | ≤7 | |
| | | | MS | mg/L | 50.00 | 100% | 67-117 | |
| | | | MSD | mg/L | 50.00 | 101% | 67-117 | |
| | | | MSRPD | mg/L | | 0.8% | ≤7 | |
| Nitrate Nitrogen | 300.0 | 12/07/2023:213946LDM | Blank | mg/L | | ND | <0.4 | |
| | | | LCS | mg/L | 20.00 | 96.6% | 90-110 | |
| | | | MS | mg/L | 40.00 | 101% | 86-112 | |
| | | | MSD | mg/L | 40.00 | 101% | 86-112 | |
| | | (CH 2373985-001) | MSRPD | mg/L | | 0.1% | ≤7 | |
| | | | MS | mg/L | 40.00 | 101% | 86-112 | |
| | | | MSD | mg/L | 40.00 | 102% | 86-112 | |
| | | | MSRPD | mg/L | | 0.9% | ≤7 | |
| Sulfate Sulfur | 300.0 | 12/07/2023:213946LDM | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 99.8% | 90-110 | |
| | | | MS | mg/L | 100.0 | 103% | 18-165 | |
| | | | MSD | mg/L | 100.0 | 103% | 18-165 | |
| | | (CH 2373985-001) | MSRPD | mg/L | | 0.1% | ≤7 | |
| | | | MS | mg/L | 100.0 | 102% | 18-165 | |
| | | | MSD | mg/L | 100.0 | 103% | 18-165 | |
| | | | MSRPD | mg/L | | 1.0% | ≤7 | |

Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.



Laboratory Analysis Work Order

2348238

3458

SITE NAME: BV

LABORATORY: VT | FGL 4-19696

Billing: Sentry Ag Services, LLC
P.O. Box 7750, Visalia, CA 93290

Authorized Copy Release to:
labs@sentryagservices.com

ANALYSIS TO BE COMPLETED

Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
- W2 EC, NO₃N, TDS, TN (Irr)
- W3 NH₄-N (Ammonium)
- W4 EC, NO₃N, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)
- W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)
- W6 NO₃N, NO₂ (Dom ILRP, Annually)
- W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
- W8 Other: _____

1.80 c RSI
TK 407

Plant Tissue

- P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)
- P2 TN, P, K (Mid-season - Corn)
- P3 TN, TP, TK, Ash, %M (At Harvest)
- P4 TN, %M
- P5 % Moisture
- P6 NIR
- P7 Other: _____

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
- L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
- L3 Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
- L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
- M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
- M3 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
- S2 S1 + CEC, CaCO₃, OM, C:N, TN
- S3 NO₃N, NH₄N
- S4 Other: _____

| | Sample ID | Description | Analysis | Date/Time | Sampled by | SAS USE ONLY: FIELD TESTS | | |
|----|------------|-------------|----------|--------------|------------|---------------------------|----|------|
| | | | | | | NH ₃ N * | pH | Temp |
| 1 | Dairy Well | Dom. Well | W4 | 12/6/23 9:40 | Klay | — | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWOCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

CHAIN OF CUSTODY RECORDING

| | Signature | Company | Received Date & Time | Relinquished Date & Time |
|-----------------|-----------|---------|----------------------|--------------------------|
| 1 st | Klay | SAS | | 12/6/23 12:47 |
| 2 nd | ADB | FGL | 12/6/23 12:47 | |
| 3 rd | ADB | FGL | | 12/6/23 1730 |
| 4 th | GCD | GDS | 12/6/23 1730 | |

LABORATORY USE ONLY

Logged In By: _____ Total Samples: _____ Laboratory No.: 65 12/6/23 1030

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: CC CH STK VI

1. Number of ice chests/packages received: 1 Shipping tracking #(s): OTC

2. Temp IR Gun ID #: TH407

3. Were samples received on ice? Yes No Temps: 7.8°C / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10°C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

4. Do the number of bottles received agree with the COC? Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No

6. VOAs checked for Headspace? Yes No N/A

7. Were all analyses within holding times at time of receipt? Yes No

8. Verify sample date, time and sampler name Yes No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): ADJ

Sample Receipt at SP:

1. Number of ice chests/packages received: 6 Shipping tracking #(s): 520501804, 520501803, 520501801, 520501802, 520501803, 520501801

2. Temp IR Gun ID #: 2466

3. Were samples received on ice? Yes No Temps: 1 / 1 / 1 / 1 / 1 / 1

Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

4. Do the number of bottles received agree with the COC? Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No

2. Did bottle labels correspond with the client's ID's? Yes No

3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL

[Exception: Oil & Grease, VOA and CrVI verified in lab]

4. VOAs checked for Headspace? Yes No N/A

5. Have rush or project due dates been checked and accepted? Yes No N/A

6. Were all analyses within holding times at time of receipt? Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): SL

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem: _____

Resolution: _____