



Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave., Ste B, Tulare
559-687-1440

LegenDairy West

8509 Ave. 152, Tipton, CA 93272

| | |
|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | Annual Report |
| <input checked="" type="checkbox"/> | Water Analysis Samples |
| <input checked="" type="checkbox"/> | Manure Manifest |
| <input type="checkbox"/> N/A | Facility / Land Map |
| <input checked="" type="checkbox"/> | CCA Nitrogen Retrofit Report |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |

GEO Tracker Confirmation #

Date:

Facility Info

Reporting Period: 1/1/2023 to 12/31/2023

Name of the Facility

Dairy Name: LegenDairy West
Facility Address: 8509 Ave. 152, Tipton, CA 93272
Original Operation Date: 7/15/1992
Facility APN's: x228 x024 x012 xxxx
RWQCB Basin Plan Designation: Tulare Lake Basin ☐ Check if any information has changed

Owner(s)

Owner(s) Name: Gary & Victoria Fernandes
Mailing Address: P. O. Box 967, Tipton, CA 93272
Home Phone Number: _____
Cell Phone Number: 559-308-0696 ☐ Check if any information has changed

Operator(s)

Operator(s) Name: Same as Owner
Mailing Address: _____
Home Phone Number: _____
Cell Phone Number: _____ ☐ Check if any information has changed

Herd Information

| | Milk Cows | Dry Cows | Bred Heifers (12-24 mo) | Heifers (3-12 mo) | Calves (0-3 mo) |
|---------------------------|-----------|----------|----------------------------|----------------------|--------------------|
| Open Confinement: | 2,103 | 311 | 1,088 | 962 | - |
| Number Under Roof | - | - | - | - | - |
| Maximum Number | 2,103 | 311 | 1,088 | 962 | - |
| Average Number | 2,103 | 311 | 1,088 | 962 | - |
| Average Live Weight (lbs) | 950 | 975 | 660 | 370 | - |

Average Milk Production: 58

Predominant Milk Cow Breed: Jersey

Manure Generated:

Total manure excreted by the herd:

Total nitrogen from manure:

Total salt from manure:

| | 11,065.35 | @40% Moisture | ton/yr |
|--|-----------|---------------|--------|
| | 651,048 | | lbs |
| | 63,283 | | lbs |
| | 317,817 | | lbs |
| | - | | lbs |

After Ammonia (30% loss applied)

455,734 lbs per reporting period

Process Wastewater Generated:

Process wastewater generated:

Total nitrogen generated:

Total salt (TDS) generated:

| | | |
|--|------------|-----|
| | 30,703,800 | gal |
| | 85,301 | lbs |
| | 31,441 | lbs |
| | 110,600 | lbs |
| | 773,766 | lbs |

Winter Crops & Harvest

[illegible]

Detectable L Valley Tech
Dellavalle

| | | | |
|--------|-------|-------|--------|
| 0.10% | 0.05% | 0.01% | 0.05% |
| 0.001% | 0.01% | 0.01% | 0.003% |
| | | | 0.001% |

Well / Canal Analysis

[illegible]

Detactable Limits

Dellavalle

FGL Environmental

Valley Tech

ancy, recu

Soil Analysis (Winter)

[illegible]

Detectable Limits

Valley Tech

DellaValle

0.1 0.1

| | |
|-----|-----|
| 0.1 | 0.1 |
|-----|-----|

1.1

0.2

0.0015

0.0001%

Soil Analysis (Summer)

[illegible]

Detectable Limits

Valley Tech

DellaValle

0.1

0.1

0.1

0.1

1.1

0.2

0.0015

0.0001%

Process Water & Manure Analysis

| Process Water | | | | | | | | | | | | | | | | |
|---------------|--|----------------|---------------|-----------|-----------|----------------|----------------|--------------|-----------|-----------|---------------|----------------|---------------|-----------|-----------|---------------|
| Quarters: | | NH4N (mg/L) | TKN (mg/L) | TP (mg/L) | TK (mg/L) | NO3N (mg/L) | NH3N (mg/L) | Ca (mg/L) | Mg (mg/L) | Na (mg/L) | CO3 (mg/L) | HCO3 (mg/L) | SO4 (mg/L) | CL (mg/L) | EC (ds/m) | TDS (mg/L) |
| 1 | | 152.0 | 372.0 | 59.0 | 549.0 | 1.0 | - | - | - | - | - | - | - | - | 5 | 3,030 |
| 2 | | 92.0 | 286.0 | 36.0 | 261.0 | 1.0 | - | - | - | - | - | - | - | - | 2 | 1,410 |
| 3 | | 141.0 | 159.0 | 31.6 | 197.0 | 1.0 | - | 0.0 | 45.5 | 76.3 | 0.0 | 10.3 | 50.8 | 2.4 | 4 | 2,360 |
| 4 | | 138.0 | 141.0 | 27.5 | 28.1 | 1.0 | - | - | - | - | - | - | - | - | - | 1,890 |

Detectable Limits

| | | | | | | | | | | | | | | | |
|-------------|-----|-----|------|-----|------|--|------|-----|------|-----|---|------|------|-------|----|
| Valley Tech | 2.0 | 5.0 | 0.1 | 0.2 | | | | | | | | | | | 10 |
| Dellavalle | 0.2 | 0.7 | 0.02 | 0.2 | 0.01 | | 0.05 | 0.4 | 0.10 | 0.9 | 3 | 0.01 | 0.03 | 0.001 | 10 |

| Qtr | Sample #: | Sample Date: | Source | lbs / Ac In | | | |
|-----|------------|--------------|-------------|-------------|-------|------|-------|
| | | | | Inorg N | Org N | P205 | K2O |
| 1 | 3-24L44735 | 3/24/2023 | Valley Tech | 34.7 | 49.9 | 30.6 | 149.9 |
| 2 | 5-11L49517 | 5/11/2023 | Valley Tech | 21.1 | 44.0 | 18.7 | 71.3 |
| 3 | 8-17L62140 | 8/17/2023 | Valley Tech | 32.2 | 4.1 | 16.4 | 53.8 |
| 4 | 10-4L67885 | 10/4/2023 | Valley Tech | 31.5 | 0.7 | 14.3 | 7.7 |

| Description | Sample #: | Date: | As Is/ Dry Weight | Source | Material Type |
|-------------|------------|-----------|-------------------|-------------|---------------|
| Manure | 5-11M49468 | 5/11/2023 | Dry Weight | Valley Tech | Corral Solids |
| Manure | 10-4M67869 | 10/4/2023 | Dry Weight | Valley Tech | Corral Solids |

| Dry Manure: (As Rec'd) | | | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|-------|------------|
| Corral | TN % | TP % | TK % | Ca | Mg | Na | S | CL | Salt | TFS | Moisture % |
| Corral | 0.93 | 0.31 | 1.85 | - | - | - | - | - | - | - | 45.60 |
| Corral | 0.83 | 0.26 | 1.02 | 2.27 | 0.57 | 0.48 | 0.47 | 0.76 | - | 55.30 | 50.60 |

Detectable Limits

| | | | | | | | | | | | |
|-------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Valley Tech | 0.01% | 0.02% | 0.02% | | | | | | | | |
| Dellavalle | 0.01% | 0.01% | 0.003% | 0.001% | 0.001% | 0.001% | 0.001% | 0.000% | 0.001% | 0.001% | 0.001% |

Acres: 45.00

Dry Weight
As Received

Field Name/Number: 8T-8Acres: 45

| | Total N (lbs/ac) | Total P (lbs/ac) | Total K Lbs/ac) | Total Salts (lbs/ac) |
|------------------------------|------------------|------------------|-----------------|----------------------|
| Nutrients Applied | 250.9 | 99.6 | 701.1 | 2067.2 |
| Nutrients Removed at Harvest | -783.0 | -114.9 | -843.2 | 0.0 |
| Nutrient Balance | -532.1 | -15.3 | -142.1 | 2067.2 |

Winter Nitrogen Crop App / Use Ratio: 0.93

Summer Nitrogen Crop App / Use Ratio: 0.01

Field Name/Number: 8T-8Acres: 45**Winter Crop Wheat, Silage**

| Nutrient Summary : | | Applied | N | | | |
|--------------------|----------|---------|-----------|---------|---------|---------|
| W. Manure App. | | 10.0 | T/Ac | 74.4 | 142.0 | 443.9 |
| W. Comm Fert App. | | - | lbs/Ac | - | | |
| Process Water | Q1 | 2.1 | Ac In /Ac | 127.1 | 65.8 | 320.8 |
| | Q2 | 1.1 | Ac In /Ac | 49.2 | 20.2 | 76.7 |
| Well Water | | - | Ac In /Ac | - | | |
| Canal | | 21.7 | Ac In /Ac | 0.0 | | |
| Atm. Depos. | | Yes | | 7.0 | | |
| W. Planting | 11/16/22 | | | | | |
| W. Harvest | 6/1/23 | 25.2 | T/Ac | (277.4) | (156.6) | (529.0) |

Summer Crop Alfalfa

| Nutrient Summary : | | Applied | N | | | |
|--------------------|----------|---------|-----------|---------|---------|---------|
| S. Manure App. | | - | T/Ac | - | - | - |
| S. Comm Fert App. | | - | lbs/Ac | - | - | - |
| Process Water | Q2 | - | Ac In /Ac | - | - | - |
| | Q3 | - | Ac In /Ac | - | - | - |
| | Q4 | - | Ac In /Ac | - | - | - |
| Well Water | | - | Ac In /Ac | 0 | | |
| Canal | | 27.3 | Ac In /Ac | 0.1 | | |
| Atm. Depos. | | Yes | | 7.0 | | |
| S. Planting | 6/15/23 | | | | | |
| S. Harvest | 11/20/23 | 8.0 | T/Ac | (505.6) | (106.5) | (482.9) |

Nutrient Applications

Field Name/Number: 8T-9

Acres: **10.00**

| | | Dry Manure Applied (tons/ac) | Moist. % | Chem Fert total lbs | Fresh Water Applied (ac-in/ac) | Lagoon Water Applied (ac-in/ac) | Lab Sample Data | | | | | | Yield | |
|----------|----------------|------------------------------------|----------|------------------------|---|--|-----------------|---------------------|---------------------|------------------|-------|---|--------------------------------|---------------------------|
| | | | | | | | N (lbs/Ac) | Total P (lbs/Ac) | Total K (lbs/Ac) | Salt (Lbs/Ac) | TFS | % | Expected Yield (tons/ac) | Actual Yield (tons/ac) |
| Date | Event / Source | | | | | | | | | | | | | |
| 11/10/22 | W. Manure App. | 12.00 | - | - | - | - | 89.3 | 74.4 | 443.9 | - | - | | - | |
| 11/16/22 | W. Planting | - | - | - | - | - | - | - | - | - | - | | - | |
| 1/18/23 | Canal | - | - | - | 6.10 | - | 0.0 | - | - | 31 | - | | - | |
| 1/18/23 | Process Water | - | - | - | - | 1.27 | 75.2 | 17.0 | 158.1 | 873 | - | | - | |
| 2/28/23 | Canal | - | - | - | 5.57 | - | 0.0 | - | - | 28 | - | | - | |
| 2/28/23 | Process Water | - | - | - | - | 1.16 | 68.7 | 15.5 | 144.4 | 797 | - | | - | |
| 4/27/23 | Canal | - | - | - | 5.83 | - | 0.0 | - | - | 29 | - | | - | |
| 4/27/23 | Process Water | - | - | - | - | 1.22 | 55.3 | 9.9 | 71.9 | 388 | - | | - | |
| 5/19/23 | Canal | - | - | - | 6.63 | - | 0.0 | - | - | 33 | - | | - | |
| 6/1/23 | W. Harvest | - | - | - | - | - | (315.9) | (82.1) | (537.5) | - | 9.30 | | 23.00 | |
| | - | - | - | - | - | - | - | - | - | - | - | | - | |
| | - | - | - | - | - | - | - | - | - | - | - | | - | |
| | - | - | - | - | - | - | - | - | - | - | - | | - | |
| 6/15/23 | S. Planting | - | - | - | - | - | - | - | - | - | - | | - | |
| 6/26/23 | Canal | - | - | - | 5.30 | - | 0.0 | - | - | 27 | - | | - | |
| 7/22/23 | Canal | - | - | - | 6.10 | - | 0.0 | - | - | 31 | - | | - | |
| 8/11/23 | Canal | - | - | - | 6.36 | - | 0.0 | - | - | 32 | - | | - | |
| 9/25/23 | Canal | - | - | - | 5.83 | - | 0.0 | - | - | 29 | - | | - | |
| 10/26/23 | Canal | - | - | - | 5.57 | - | 0.0 | - | - | 28 | - | | - | |
| 11/20/23 | S. Harvest | - | - | - | - | - | (467.2) | (46.3) | (452.7) | - | 11.40 | | 8.00 | |
| | - | - | - | - | - | - | - | - | - | - | - | | - | |
| | - | - | - | - | - | - | - | - | - | - | - | | - | |
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| | - | - | - | - | - | - | - | - | - | - | - | | - | |
| | - | -</ | | | | | | | | | | | | |

Field Name/Number: 8T-9Acres: 10.00

| | Total N (lbs/ac) | Total P (lbs/ac) | Total K Lbs/ac) | Total Salts (lbs/ac) |
|------------------------------|------------------|------------------|-----------------|----------------------|
| Nutrients Applied | 288.6 | 51.0 | 679.2 | 2326.0 |
| Nutrients Removed at Harvest | -783.1 | -56.0 | -822.0 | 0.0 |
| Nutrient Balance | -494.5 | -5.0 | -142.8 | 2326.0 |

Winter Nitrogen Crop App / Use Ratio: 0.94

Summer Nitrogen Crop App / Use Ratio: 0.02

Field Name/Number: 8T-9 Acres: 10**Winter Crop Wheat, Silage**

| Nutrient Summary : | | Applied | N | | | |
|--------------------|----------|---------|-----------|---------|---------|---------|
| W. Manure App. | | 12.0 | T/Ac | 89.3 | 170.4 | 532.7 |
| W. Comm Fert App. | | - | lbs/Ac | - | | |
| Process Water | Q1 | 2.4 | Ac In /Ac | 143.9 | 74.4 | 362.9 |
| | Q2 | 1.2 | Ac In /Ac | 55.3 | 22.7 | 86.3 |
| Well Water | | - | Ac In /Ac | - | | |
| Canal | | 24.1 | Ac In /Ac | 0.1 | | |
| Atm. Depos. | | Yes | | 7.0 | | |
| W. Planting | 11/16/22 | | | | | |
| W. Harvest | 6/1/23 | 23.0 | T/Ac | (315.9) | (187.9) | (645.0) |

Summer Crop Alfalfa

| Nutrient Summary : | | Applied | N | | | |
|--------------------|----------|---------|-----------|---------|---------|---------|
| S. Manure App. | | - | T/Ac | - | - | - |
| S. Comm Fert App. | | - | lbs/Ac | - | - | - |
| Process Water | Q2 | - | Ac In /Ac | - | - | - |
| | Q3 | - | Ac In /Ac | - | - | - |
| | Q4 | - | Ac In /Ac | - | - | - |
| Well Water | | - | Ac In /Ac | - | | |
| Canal | | 29.2 | Ac In /Ac | 0.1 | | |
| Atm. Depos. | | Yes | | 7.0 | | |
| S. Planting | 6/15/23 | | | | | |
| S. Harvest | 11/20/23 | 8.0 | T/Ac | (467.2) | (106.0) | (543.3) |

Acres: 75.00

Totals:

Field Name/Number: 8T-13Acres: 75.00

| | Total N (lbs/ac) | Total P (lbs/ac) | Total K Lbs/ac) | Total Salts (lbs/ac) |
|------------------------------|------------------|------------------|-----------------|----------------------|
| Nutrients Applied | 468.7 | 86.4 | 988.8 | 3972.7 |
| Nutrients Removed at Harvest | -545.4 | -60.4 | -546.5 | 0.0 |
| Nutrient Balance | -76.7 | 26.0 | 442.3 | 3972.7 |

Winter Nitrogen Crop App / Use Ratio: 0.94

Summer Nitrogen Crop App / Use Ratio: 1.24

Field Name/Number: 8T-13Acres: 75**Winter Crop Wheat, Silage**

| Nutrient Summary : | | Applied | N | | | |
|--------------------|----------|----------------|---------|---------|---------|--|
| W. Manure App. | | 13.3 T/Ac | 99.2 | 189.4 | 591.9 | |
| W. Comm Fert App. | | - lbs/Ac | - | | | |
| Process Water | Q1 | 2.2 Ac In /Ac | 132.1 | 68.3 | 333.2 | |
| | Q2 | 1.1 Ac In /Ac | 50.6 | 20.8 | 79.0 | |
| Well Water | | - Ac In /Ac | - | | | |
| Canal | | 22.3 Ac In /Ac | - | | | |
| Atm. Depos. | | Yes | 7.0 | | | |
| W. Planting | 10/12/23 | | | | | |
| W. Harvest | 5/26/23 | 22.9 T/Ac | (308.7) | (193.7) | (588.7) | |

Summer Crop Corn, Silage

| Nutrient Summary : | | Applied | N | | | |
|--------------------|---------|----------------|---------|---------|---------|--|
| S. Manure App. | | 10.0 T/Ac | 66.8 | 119.9 | 245.4 | |
| S. Comm Fert App. | | - lbs/Ac | - | - | - | |
| Process Water | Q2 | - Ac In /Ac | - | - | - | |
| | Q3 | 3.4 Ac In /Ac | 119.9 | 55.1 | 180.0 | |
| | Q4 | - Ac In /Ac | - | - | - | |
| Well Water | | - Ac In /Ac | 99.2 | | | |
| Canal | | 34.9 Ac In /Ac | 0.1 | | | |
| Atm. Depos. | | Yes | 7.0 | | | |
| S. Planting | 6/17/23 | | | | | |
| S. Harvest | 10/8/23 | 27.8 T/Ac | (236.7) | (123.2) | (201.4) | |

Nutrient Applications

Field Name/Number: 8T-14

Acres: 75.00

| Date | Event / Source | Dry Manure Applied (tons/ac) | Moist. % | Chem Fert total lbs | Fresh Water Applied (ac-in/ac) | Lagoon Water Applied (ac-in/ac) | Lab Sample Data | | | | | | Yield | |
|----------|-------------------|------------------------------|----------|---------------------|--------------------------------|---------------------------------|-----------------|------------------|------------------|---------------|-------|---|--------------------------|------------------------|
| | | | | | | | N (lbs/Ac) | Total P (lbs/Ac) | Total K (lbs/Ac) | Salt (lbs/Ac) | TFS | % | Expected Yield (tons/ac) | Actual Yield (tons/ac) |
| 10/5/22 | W. Manure App. | 13.33 | - | - | - | - | 99.2 | 82.7 | 493.2 | - | - | - | - | |
| 10/11/22 | W. Planting | - | - | - | - | - | - | - | - | - | - | - | - | |
| 1/4/23 | Canal | - | - | - | 5.27 | - | 0.0 | - | - | 27 | - | - | - | |
| 1/4/23 | Process Water | - | - | - | - | 1.10 | 65.0 | 14.7 | 136.6 | 754 | - | - | - | |
| 3/13/23 | Canal | - | - | - | 5.37 | - | 0.0 | - | - | 27 | - | - | - | |
| 3/13/23 | Process Water | - | - | - | - | 1.12 | 66.3 | 15.0 | 139.3 | 769 | - | - | - | |
| 4/10/23 | Canal | - | - | - | 5.34 | - | 0.0 | - | - | 27 | - | - | - | |
| 4/10/23 | Process Water | - | - | - | - | 1.11 | 50.6 | 9.1 | 65.8 | 355 | - | - | - | |
| 4/30/23 | Canal | - | - | - | 6.29 | - | 0.0 | - | - | 32 | - | - | - | |
| 5/30/23 | W. Harvest | - | - | - | - | - | (311.8) | (88.4) | (601.5) | - | 9.30 | - | 25.30 | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 6/29/23 | S. Comm Fert App. | - | - | 80 | - | - | 80.0 | - | - | - | - | - | - | |
| 6/4/23 | Canal | - | - | - | 6.40 | - | 0.0 | - | - | 32 | - | - | - | |
| 6/15/23 | S. Planting | - | - | - | - | - | - | - | - | - | - | - | - | |
| 6/29/23 | Canal | - | - | - | 6.26 | - | 0.0 | - | - | 31 | - | - | - | |
| 7/15/23 | Canal | - | - | - | 5.41 | - | 0.0 | - | - | 27 | - | - | - | |
| 7/15/23 | Process Water | - | - | - | - | 1.13 | 28.6 | 8.1 | 50.3 | 603 | - | - | - | |
| 8/8/23 | Canal | - | - | - | 5.30 | - | 0.0 | - | - | 27 | - | - | - | |
| 8/8/23 | Process Water | - | - | - | - | 1.10 | 24.9 | 7.9 | 49.3 | 591 | - | - | - | |
| 8/21/23 | Canal | - | - | - | 5.44 | - | 0.0 | - | - | 27 | - | - | - | |
| 8/21/23 | Process Water | - | - | - | - | 1.13 | 67.1 | 8.1 | 50.6 | 607 | - | - | - | |
| 9/8/23 | Canal | - | - | - | 6.36 | - | 0.0 | - | - | 32 | - | - | - | |
| 10/7/23 | S. Harvest | - | - | - | - | - | (235.7) | (56.8) | (164.1) | - | 11.40 | - | 27.40 | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Totals: | | 13.3 | | 80 | 57.44 | 6.70 | (66) | 0 | 220 | 3,968 | 20.70 | 0 | 52.70 | |

Field Name/Number: 8T-14Acres: 75.00

| | Total N (lbs/ac) | Total P (lbs/ac) | Total K Lbs/ac) | Total Salts (lbs/ac) |
|------------------------------|------------------|------------------|-----------------|----------------------|
| Nutrients Applied | 481.8 | 63.5 | 817.8 | 3967.9 |
| Nutrients Removed at Harvest | -547.5 | -63.4 | -635.5 | 0.0 |
| Nutrient Balance | -65.6 | 0.1 | 182.3 | 3967.9 |

Winter Nitrogen Crop App / Use Ratio: 0.92

Summer Nitrogen Crop App / Use Ratio: 1.22

Field Name/Number: 8T-14Acres: 75**Winter Crop** **Wheat, Silage**

| Nutrient Summary : | | Applied | N | | | |
|--------------------|----------|----------------|---------|---------|---------|--|
| W. Manure App. | | 13.3 T/Ac | 99.2 | 189.4 | 591.9 | |
| W. Comm Fert App. | | lbs/Ac | - | | | |
| Process Water | Q1 | 2.2 Ac In /Ac | 131.2 | 67.9 | 331.0 | |
| | Q2 | 1.1 Ac In /Ac | 50.6 | 20.8 | 79.0 | |
| Well Water | | - Ac In /Ac | - | | | |
| Canal | | 22.3 Ac In /Ac | 0.1 | | | |
| Atm. Depos. | | Yes | 7.0 | | | |
| W. Planting | 10/11/22 | | | | | |
| W. Harvest | 5/30/23 | 25.3 T/Ac | (311.8) | (202.5) | (721.7) | |

Summer Crop **Corn, Silage**

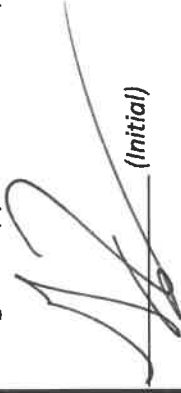
| Nutrient Summary : | | Applied | N | | | |
|--------------------|---------|----------------|---------|---------|---------|--|
| S. Manure App. | | - T/Ac | - | - | - | |
| S. Comm Fert App. | | 80.0 lbs/Ac | 80.0 | - | - | |
| Process Water | Q2 | - Ac In /Ac | - | - | - | |
| | Q3 | 3.4 Ac In /Ac | 120.6 | 55.2 | 180.4 | |
| | Q4 | - Ac In /Ac | - | - | - | |
| Well Water | | - Ac In /Ac | 80.0 | | | |
| Canal | | 35.2 Ac In /Ac | 0.1 | | | |
| Atm. Depos. | | Yes | 7.0 | | | |
| S. Planting | 6/15/23 | | | | | |
| S. Harvest | 10/7/23 | 27.4 T/Ac | (235.7) | (130.1) | (197.0) | |

Notes

Without allowance for the significant amount of rainfall during the winter months of 2022/2023, the irrigation logs on each field page of the annual report, reflect canal and/or well used only during that time frame. The facility did not irrigate during the "Significant Storm Events".

It is inaccurate to present "salt" application without acknowledging that there is substantial uptake and utilization of "salts" by crops. If it is possible to calculate "salt" application, it is also possible to calculate "salt" utilization. That calculation should be included in this report. To calculate "salt" utilization is a lengthy process and cannot be done with the constituents required in the Revised General Order sampling requirements.

The signature(s) affixed to this report does not affirmatively refer to those references to "salt" that we know to be incorrect.



(Initial)

Exception Reporting

Manure , Process Water and Other Dairy Waste Discharges:

The following is a summary of all manure and process water 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 water discharges occurred during the reporting period

Storm Water Discharges:

The follow 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, storm water discharges occurred during the reporting period

Land Application Area To Surface Water Discharges:

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

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

Nutrient Management Plan (NMP) & Written Agreement Statement

Nutrient Management Plan Statement:

Was the facility NMP updated in the reporting period?

Yes

Was the facility's NMP developed and approved by a certified nutrient management specialist?

Yes

Written Agreements:

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

No

Owner and/or Operator Certification

**I certify under penalty of law that all information submitted as part of this document is accurate and true. Certification signatures by a California Registered Professional have been supplied as needed in Part II. I have personally examined and am familiar with the information submitted in Parts I and II of this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*



Signature of Owner of Facility

Signature of Operator of Facility

Gary & Victoria Fernandes

Print Name

Same as Owner

Print Name

Date

Date

March 9, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Lab No. : VI 2340558

Customer No. : 4018505

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 | 01/31/2023 | 01/31/2023 | VI 2340558-001 | 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: 2023-03-09

March 9, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Lab No. : VI 2340558-001
Customer No. : 4018505

Sampled On : January 31, 2023 at 09:12
Sampled By : Marlene / Kaylin
Received On : January 31, 2023 at 14:03
Matrix : Drinking Water

Description : Dairy Well
Project : W-4 Legen Dairy West

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 CaCO3) | 80 | 10 | mg/L | | 1 | | 02/05/2023 | 15:54 | amm | SM 4500-H+B | 02/05/2023 | 17:06 | amm |
| Bicarbonate | 50 | 10 | mg/L | | 1 | | 02/05/2023 | 15:54 | amm | SM 4500-H+B | 02/05/2023 | 17:06 | amm |
| Carbonate | 20 | 10 | mg/L | | 1 | | 02/05/2023 | 15:54 | amm | SM 4500-H+B | 02/05/2023 | 17:06 | amm |
| Hydroxide | 20 | 10 | mg/L | | 1 | | 02/05/2023 | 15:54 | amm | SM 4500-H+B | 02/05/2023 | 17:06 | amm |
| Chloride | 7 | 1 | mg/L | 500 ² | 1 | b | 02/01/2023 | 10:30 | ldm | EPA 300.0 | 02/01/2023 | 17:38 | ldm |
| Nitrate Nitrogen | ND | 0.1 | mg/L | 10 | 1 | U | 02/01/2023 | 10:30 | ldm | EPA 300.0 | 02/01/2023 | 17:38 | ldm |
| Conductivity | 203 | 1 | umhos/cm | 1600 ² | 1 | | 02/05/2023 | 15:54 | amm | SM 4500-H+B | 02/05/2023 | 17:06 | amm |
| Sulfate | 7.3 | 0.5 | mg/L | 500 ² | 1 | | 02/01/2023 | 10:30 | ldm | EPA 300.0 | 02/01/2023 | 17:38 | ldm |
| Solids, Total Dissolved (TDS) | 160 | 20 | mg/L | 1000 ² | 1 | | 02/02/2023 | 13:49 | ctl | SM 2540 C | 02/03/2023 | 12:19 | ctl |
| Calcium | 2 | 1 | mg/L | | 1 | | 02/23/2023 | 06:49 | ejc | EPA 200.7 | 02/27/2023 | 18:56 | ac |
| Magnesium | ND | 1 | mg/L | | 1 | Jl | 02/23/2023 | 06:49 | ejc | EPA 200.7 | 02/27/2023 | 18:56 | ac |
| Sodium | 45 | 1 | mg/L | | 1 | | 02/23/2023 | 06:49 | ejc | EPA 200.7 | 02/27/2023 | 18:56 | ac |

DQF Flags Definition:

- b The Blank was positive for constituent but less than the PQL
- U Constituent results were non-detected.
- J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
- l The MS/MSD did not meet QC criteria.

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

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

March 9, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2340558

Customer No. : 4018505

Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---------------|--------|--|-------|-------|--------|---------|--------|------|
| Metals | | | | | | | | |
| Calcium | 200.7 | 02/23/2023:202002EJC (CC 2380566-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 101 % | 85-115 | |
| | | | MS | mg/L | 12.00 | -71.2 % | <¼ | |
| | | | MSD | mg/L | 12.00 | 50.4 % | <¼ | |
| | | | MSRPD | mg/L | 0.8000 | 15.7% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | -81.6 % | <¼ | |
| | | | MSD | mg/L | 12.00 | -76.0 % | <¼ | |
| | | | MSRPD | mg/L | 0.8000 | 0.8% | ≤20.0 | |
| | | | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 99.5 % | 85-115 | |
| Magnesium | 200.7 | 02/23/2023:202002EJC (CC 2380566-001) | MS | mg/L | 12.00 | 13.9 % | 75-125 | 435 |
| | | | MSD | mg/L | 12.00 | 71.5 % | 75-125 | 435 |
| | | | MSRPD | mg/L | 0.8000 | 15.5% | ≤20 | |
| | | | MS | mg/L | 12.00 | -4.1 % | 75-125 | 435 |
| | | | MSD | mg/L | 12.00 | -11.4 % | 75-125 | 435 |
| | | | MSRPD | mg/L | 0.8000 | 1.9% | ≤20 | |
| | | 02/23/2023:202002EJC (CC 2380566-002) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 98.4 % | 85-115 | |
| | | | MS | mg/L | 12.00 | -162 % | <¼ | |
| | | | MSD | mg/L | 12.00 | 1540 % | <¼ | |
| Sodium | 200.7 | 02/23/2023:202002EJC (CC 2380566-001) | MSRPD | mg/L | 0.8000 | 15.8% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | -2490 % | <¼ | |
| | | | MSD | mg/L | 12.00 | -3160 % | <¼ | |
| | | | MSRPD | mg/L | 0.8000 | 7.6% | ≤20.0 | |

Definition

- <¼ : High Sample Background - Spike concentration was less than one forth of the sample concentration.
- 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

- 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

March 9, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2340558

Customer No. : 4018505

Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|------------------------------------|--------|--|-------|----------|-------|---------|--------|------|
| Wet Chem | | | | | | | | |
| Alkalinity (as CaCO ₃) | 2320B | 02/05/2023:201253AMM | ND | mg/L | | 2.32% | 10 | 435 |
| Bicarbonate | 2320B | (VI 2340442-002) | Dup | mg/L | | 2.23% | 10 | |
| E. C. | 2320B | (VI 2340442-002) | Dup | umhos/cm | | 0.4% | 5 | |
| Solids, Total Dissolved | 2540CE | 02/02/2023:201179CTL (VI 2340550-002) (VI 2340550-002) | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 990.8 | 101 % | 90-110 | |
| | | | Dup | mg/L | | 0.4% | 5 | |
| | | | Dup | mg/L | | 0.5% | 5 | |
| Chloride | 300.0 | 02/01/2023:201132LDM (VI 2340463-001) (SP 2301318-002) | Blank | mg/L | | 1 | <1 | |
| | | | LCS | mg/L | 25.00 | 96.7 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 102 % | 85-121 | |
| | | | MSD | mg/L | 50.00 | 92.1 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 9.6% | ≤19 | |
| | | | MS | mg/L | 50.00 | 91.4 % | 85-121 | |
| | | | MSD | mg/L | 50.00 | 99.2 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 6.6% | ≤19 | |
| Nitrate Nitrogen | 300.0 | 02/01/2023:201132LDM (VI 2340463-001) (SP 2301318-002) | Blank | mg/L | | ND | <0.4 | |
| | | | LCS | mg/L | 20.00 | 96.5 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 101 % | 85-119 | |
| | | | MSD | mg/L | 40.00 | 91.6 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 8.1% | ≤19 | |
| | | | MS | mg/L | 40.00 | 93.9 % | 85-119 | |
| | | | MSD | mg/L | 40.00 | 102 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 7.0% | ≤19 | |
| Sulfate | 300.0 | 02/01/2023:201132LDM (VI 2340463-001) (SP 2301318-002) | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 98.2 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | | MSD | mg/L | 100.0 | 93.1 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 9.4% | ≤23 | |
| | | | MS | mg/L | 100.0 | 94.8 % | 82-124 | |
| | | | MSD | mg/L | 100.0 | 103 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 8.1% | ≤23 | |

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

- 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



| Client: Livingston Dairy Consulting, Inc. Address: Livingston Dairy Consulting, Inc 1635 E. Prosperity Suite B Tulare, CA 93274 Phone: (559)687-1440 Fax: Contact Person: Noreen Livingston Project Name: W-4 Legendairy West Purchase Order Number: Quote Number: VI 20210208-01 Sampler(s): Marlene & Kaylin Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____/____ | | 42085-03/01/2022 TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|--|----------------------|--------------|--------------|---|------------|-------|---------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|----|--|--|--|-----------------|--|
| Method of Sampling: Composite(C) Grab(G) Type of Sample: **SEE REVERSE SIDE** Bact Type: Other(O) System(SYS) Source(SR) Waste(W) Bact Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) Dairy Analysis: W-4-Alk. (CaCO3), Cl, Conductivity, NO3-N, TDS, SO4, Ca, Na, Mg I6oz(P) | | Relinquished Date: 12/13/23 Time: 1:33 Received By: [Signature] Date: 12/13/23 Time: 1:33 Relinquished Date: 12/13/23 Time: 1:33 Received By: [Signature] Date: 12/13/23 Time: 1:33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab Number: VI 2340558 4-18505 <table border="1"> <thead> <tr> <th>Samp Num</th> <th>Location Description</th> <th>Date Sampled</th> <th>Time Sampled</th> </tr> </thead> <tbody> <tr><td>1</td><td>Dairy Well</td><td>11/31</td><td>9:17 AM</td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td></tr> </tbody> </table> | | Samp Num | Location Description | Date Sampled | Time Sampled | 1 | Dairy Well | 11/31 | 9:17 AM | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | | 10 | | | | Remarks: | |
| Samp Num | Location Description | Date Sampled | Time Sampled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Dairy Well | 11/31 | 9:17 AM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|---|--|---|---|--|
| Corporate Offices & Laboratory 853 Corporation Street Santa Paula, CA 93060 Phone: (805) 392-2000 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063 | Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 Phone: (209) 942-0182 Fax: (209) 942-0423 | Office & Laboratory 563 E. Lindo Chico, CA 95926 Phone: (530) 343-3807 Fax: (530) 343-3807 | Office & Laboratory 3442 Empressa Drive, Suite D San Luis Obispo, CA 93401 Phone: (805) 783-2940 Fax: (805) 783-2912 | Office & Laboratory 9415 W. Goshen Avenue Visalia, CA 93291 Phone: (559) 734-9473 Fax: (559) 734-8435 |
|---|--|---|---|--|

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: 61/4.3/ / /
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? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 5. VOAs checked for Headspace? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 6. Were sample custody seals intact? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 7. If required, was sample split for pH analysis? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 8. Were all analyses within holding times at time of receipt? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 9. Verify sample date, time and sampler name. | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> 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): [Signature]

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 22 / / / /

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: 558722543 590
584

- | | | | |
|---|---|-----------------------------|-----|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 5. Were sample custody seals intact? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> 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? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 2. Did bottle labels correspond with the client's ID's? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 3. Were all bottles requiring sample preservation properly preserved? <small>[Exception: Oil & Grease, VOA and CrVI verified in lab]</small> | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A FGL |
| 4. VOAs checked for Headspace? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 5. Have rush or project due dates been checked and accepted? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | N/A |
| 6. Were all analyses within holding times at time of receipt? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |

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

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

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: _____
Problem: _____
Resolution: _____

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

(4018505)
Livingston Dairy Consulting, Inc.

VI 2340558

da0 02/01/2023 12:12:47



VI 2340558

July 18, 2023

Lab No. : VI 2344110

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Customer No. : 4018505

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 |
|--------------------|--------------|---------------|----------------|--------|
| Well #9 | 07/06/2023 | 07/06/2023 | VI 2344110-001 | 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 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: KEH

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

 Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-07-19

July 18, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : Well #9
 Project : W-4 Legen Dairy West

Lab No. : VI.2344110-001
 Customer No. : 4018505

Sampled On : July 6, 2023 at 10:21
 Sampled By : Marlene Ferreira
 Received On : July 6, 2023 at 10:55
 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 |
| Alkalinity (as CaCO3) | 80 | 10 | mg/L | | 1 | | 07/10/2023 | 13:15 | amm | SM 4500-H+B | 07/11/2023 | 04:18 | sta |
| Bicarbonate | 70 | 10 | mg/L | | 1 | | 07/10/2023 | 13:15 | amm | SM 4500-H+B | 07/11/2023 | 04:18 | sta |
| Carbonate | 10 | 10 | mg/L | | 1 | | 07/10/2023 | 13:15 | amm | SM 4500-H+B | 07/11/2023 | 04:18 | sta |
| Hydroxide | 10 | 10 | mg/L | | 1 | | 07/10/2023 | 13:15 | amm | SM 4500-H+B | 07/11/2023 | 04:18 | sta |
| Chloride | 9 | 1 | mg/L | | 1 | | 07/07/2023 | 16:18 | ldm | EPA 300.0 | 07/08/2023 | 02:41 | ldm |
| Nitrate Nitrogen | 0.1 | 0.1 | mg/L | | 1 | | 07/07/2023 | 16:18 | ldm | EPA 300.0 | 07/08/2023 | 02:41 | ldm |
| Conductivity | 221 | 1 | umhos/cm | | 1 | | 07/10/2023 | 13:15 | amm | SM 4500-H+B | 07/11/2023 | 04:18 | sta |
| Sulfate | 11.2 | 0.5 | mg/L | | 1 | | 07/07/2023 | 16:18 | ldm | EPA 300.0 | 07/08/2023 | 02:41 | ldm |
| Solids, Total Dissolved (TDS) | 180 | 20 | mg/L | | 1 | | 07/11/2023 | 10:45 | ctl | SM 2540 C | 07/12/2023 | 12:00 | ctl |
| Calcium | 2 | 1 | mg/L | | 1 | | 07/12/2023 | 06:01 | ejc | EPA 200.7 | 07/12/2023 | 17:52 | ac |
| Magnesium | ND | 1 | mg/L | | 1 | J | 07/12/2023 | 06:01 | ejc | EPA 200.7 | 07/12/2023 | 17:52 | ac |
| Sodium | 47 | 1 | mg/L | | 1 | | 07/12/2023 | 06:01 | ejc | EPA 200.7 | 07/12/2023 | 17:52 | ac |

DQF Flags Definition:

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

July 18, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2344110

Customer No. : 4018505

Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---------------|--------|--|-------|-------|-------|---------|--------|------|
| Metals | | | | | | | | |
| Calcium | 200.7 | 07/12/2023:207602EJC (SP 2311703-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 104% | 85-115 | |
| | | | MS | mg/L | 12.00 | 89.3% | 75-125 | |
| | | | MSD | mg/L | 12.00 | 107% | 75-125 | |
| | | | MSRPD | mg/L | | 7.0% | ≤20.0 | |
| Magnesium | 200.7 | 07/12/2023:207602EJC (SP 2311663-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 108% | 85-115 | |
| | | | MS | mg/L | 12.00 | 193% | <¼ | 406 |
| | | | MSD | mg/L | 12.00 | 72.2% | <1/4 | |
| | | | MSRPD | mg/L | | 8.2% | ≤20 | |
| Sodium | 200.7 | 07/12/2023:207602EJC (SP 2311703-001) | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 103% | 85-115 | |
| | | | MS | mg/L | 12.00 | 42.7% | <¼ | 406 |
| | | | MSD | mg/L | 12.00 | 132% | <1/4 | |
| | | | MSRPD | mg/L | | 12.0% | ≤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.

July 18, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2344110

Customer No. : 4018505

Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|------------------------------------|--------|----------------------|------------------|----------|-------|---------|--------|------|
| Wet Chem | | | | | | | | |
| Alkalinity (as CaCO ₃) | 2320B | 07/10/2023:207451AMM | ND | mg/L | | 0.7% | 10 | 406 |
| Bicarbonate | 2320B | (VI 2344053-001) | Dup | mg/L | | 0.7% | 10 | |
| E. C. | 2320B | (VI 2344053-001) | Dup | umhos/cm | | 0.8% | 5 | |
| Solids, Total Dissolved | 2540CE | 07/11/2023:207527CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 993.7 | 100% | 90-110 | |
| | | | (VI 2344111-006) | Dup | mg/L | 1.23% | 5 | |
| | | | (VI 2344111-006) | Dup | mg/L | 0.5% | 5 | |
| | | | | | | | | |
| Chloride | 300.0 | 07/07/2023:207466LDM | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 101 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 100 % | 85-121 | |
| | | | (VI 2344110-001) | MSD | mg/L | 98.2 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 1.9% | ≤19 | |
| | | | MS | mg/L | 50.00 | 100 % | 85-121 | |
| | | | (VI 2344098-001) | MSD | mg/L | 98.6 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 1.6% | ≤19 | |
| | | | | | | | | |
| | | | | | | | | |
| Nitrate Nitrogen | 300.0 | 07/07/2023:207466LDM | Blank | mg/L | | ND | <0.4 | |
| | | | LCS | mg/L | 20.00 | 101 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 103 % | 85-119 | |
| | | | (VI 2344110-001) | MSD | mg/L | 100 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 2.3% | ≤19 | |
| | | | MS | mg/L | 40.00 | 103 % | 85-119 | |
| | | | (VI 2344098-001) | MSD | mg/L | 101 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 1.9% | ≤19 | |
| | | | | | | | | |
| | | | | | | | | |
| Sulfate | 300.0 | 07/07/2023:207466LDM | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 102 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 102 % | 82-124 | |
| | | | (VI 2344110-001) | MSD | mg/L | 99.8 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 2.1% | ≤23 | |
| | | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | | (VI 2344098-001) | MSD | mg/L | 101 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 1.7% | ≤23 | |
| | | | | | | | | |
| | | | | | | | | |

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.

| Corporate Offices & Laboratory | Office & Laboratory | Office & Laboratory | Office & Laboratory |
|--|--|---|--|
| 853 Corporation Street Santa Paula, CA 93060 Phone: (805) 392-2000 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063 | 2500 Stagecoach Road Stockton, CA 95215 Phone: (209) 942-0182 Fax: (209) 942-0423 | 563 E. Lindo Chicago, CA 95926 Phone: (530) 343-3807 Fax: (530) 343-3807 | 3442 Empresa Drive, Suite D San Luis Obispo, CA 93401 Phone: (805) 783-2940 Fax: (805) 783-2912 |

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

- Number of ice chests/packages received: 1 Shipping tracking # OTC
 - Were samples received in a chilled condition? Temps: 20.1 / 8.6 / / /
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.
 - Do the number of bottles received agree with the COC? Yes No N/A
 - Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
 - VOAs checked for Headspace? Yes No N/A
 - Were sample custody seals intact? Yes No N/A
 - If required, was sample split for pH analysis? Yes No N/A
 - Were all analyses within holding times at time of receipt? Yes No
 - 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): ORO

Sample Receipt at SP:

- Were samples received in a chilled condition? Temps: 32 / / / /
Acceptable is above freezing to 6°C . If many packages are received at one time check for tests/H.T.'s/rushes/
 - Shipping tracking numbers: 59719161 181
165 174
 - Do the number of bottles received agree with the COC? Yes No N/A
 - Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
 - 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:

- Were all requested analyses understood and acceptable? Yes No
- Did bottle labels correspond with the client's ID's? Yes No
- Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
- VOAs checked for Headspace? Yes No N/A
- Have rush or project due dates been checked and accepted? Yes No N/A
- 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): MCC

Discrepancy Documentation:

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

- Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____
Resolution: _____
- Person Contacted: _____
Initiated By: _____
Problem: _____
Resolution: _____

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

(4018505)
Livingston Dairy Consulting, Inc.
VI 2344110

iv 07/07/2023 10:15:22



VI 2344110

2023 Canal Results

558TRA144 - Tule River at Road 144

| Constituent | Field/Lab | WQTL | MDL | PQL | Units | Oct-22 | Nov-22 | Dec-22 | 1/17/23 | 2/13/23 | March-23 | 4/17/23 | 5/15/23 | 6/19/23 | 7/18/23 |
|------------------------|-----------|----------|--------|-----|----------|--------|--------|--------|---------|---------|---|---------|---------|---------|---------|
| Flow | Field | | | | cfs | 0 | 0 | 0 | 220 | 280 | Due to Record Flood Conditions, No Surface Water Analysis in March 2023 | | | | |
| EC | BSK | 700 | | | umhos/cm | | | | 151.2 | 115.3 | | | | | |
| pH | BSK | 6.5-8.3 | | | pH | | | | 7.59 | 6.5 | | | | | |
| Temperature | BSK | | | | Celsius | | | | 10 | 11.3 | | | | | |
| Dissolved Oxygen | BSK | Min. 7.0 | | | mg/L | | | | 10.87 | 12.7 | | | | | |
| TDS | BSK | 450 | 4.4 | 10 | mg/L | | | | 30 | 50 | | | | | |
| Turbidity | BSK | | | 0.1 | NTU | | | | 56 | 15 | | | | | |
| Nitrate + Nitrite as N | BSK | 10 | 0.028 | 0.2 | mg/L | | | | 1.3 | 0.24 | | | | | |
| Orthophosphate-P | BSK | | 0.0051 | 0.6 | mg/L | | | | 1.9 | 0.019 | | | | | |
| Ammonia-N | BSK | 1.5 | 0.05 | 0.5 | mg/L | | | | ND | ND | | | | | |
| Unionized Ammonia | BSK | | | | mg/L | | | | ND | ND | Due to Record Flood Conditions, No Surface Water Analysis in March 2023 | | | | |
| TKN | BSK | | 0.267 | 0.5 | mg/L | | | | 0.17 | 0.43 | | | | | |
| Phosphorus | BSK | | 8.1 | 50 | ug/L | | | | 1.8 | 0.044 | | | | | |
| Arsenic | BSK | 10 | 0.041 | 0.2 | ug/L | | | | 2.2 | 1.7 | | | | | |
| Boron | BSK | 700 | 4.5 | 10 | ug/L | | | | 30 | 23 | | | | | |
| Cadmium | BSK | 5 | 0.025 | 0.2 | ug/L | | | | ND | ND | | | | | |
| Copper | BSK | 1300 | 0.36 | 0.5 | ug/L | | | | 3.3 | 5 | | | | | |
| Lead | BSK | 15 | 0.034 | 0.2 | ug/L | | | | 1.4 | 0.63 | | | | | |
| Nickel | BSK | 100 | 0.2 | 0.5 | ug/L | | | | 1.5 | 0.79 | | | | | |
| Selenium | BSK | 50 | 0.29 | 1 | ug/L | | | | 1.1 | 0.33 | | | | | |
| Zinc | BSK | | 0.68 | 20 | ug/L | | | | 7.1 | 3.9 | | | | | |
| Molybdenum | BSK | 10 | 0.15 | 0.5 | ug/L | | | | 1.5 | 1.2 | | | | | |
| Hardness | BSK | | 1 | 1 | mg/L | | | | 58 | 22 | | | | | |
| TSS | BSK | | na | 10 | mg/L | | | | 30 | 32 | | | | | |
| TOC | BSK | | 0.085 | 0.5 | mg/L | | | | 3.1 | 3.2 | | | | | |
| E. coli | BSK | 235 | | 1.1 | MPN | | | | 130 | 4.5 | | | | | |
| Fecal Coliform | BSK | 400 | | 1.1 | MPN | | | | 130 | 4.5 | | | | | |
| Toxicity, minnow | ABC | | | | 96h | | | | 100 | 100 | Due to Record Flood Conditions, No Surface Water Analysis in March 2023 | | | | |
| Toxicity, water flea | ABC | | | | 48h | | | | 100 | 100 | | | | | |
| Toxicity, algae | ABC | | | | 48h | | | | 100 | 100 | | | | | |
| 2,4-D Acids & Salts | BSK | | | | | | | | | | | | | | |



Facility Name: LegenDairy West
8509 Ave, 152 Tipton
Tulare County

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

Instructions:

- 1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
- 2) If there are multiple destinations, complete a separate form for each destination.
- 3) The operator must obtain the signature of the hauler upon completion of each manure-hauling event.
- 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

Operator Information:

Name of Operator: Gary Fernandes
Name of Dairy Facility: Legen Dairy West
Facility Address: 8509 Ave. 152 Tipton 93272
Number and Street City Zip Code
Contact Person Name: Gary Fernandes 559-308-0696
Name Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: _____
Address of Hauling Company /Person: _____
Number and Street City Zip Code
Contact Person: _____
Name Phone Number

Destination Information:

Composting Facility / Broker / Farmer Other (Identify) Dairy (please circle one)

Contact information of : Composting Facility, Broker, Farmer, or Other (as identified above):

Legen Dairy
Name Number and Street City Zip Code Phone Number

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

14685 Rd. 96 Tipton 93272
Number and Street City Zip Code Assessor's Parcel Number

Dates Hauled: 10/1/23

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

➤ Manure: 6,600 Tons or Cubic Yards (indicate which units used)

➤ Manure Moisture % : _____

➤ Method used to determine amount of manure: _____

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.

➤ Process Wastewater: _____ Gallons

➤ Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

_____ Yes _____ No

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement).

Certification:

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

Operator's Signature: _____ Date: _____

Hauler's Signature: _____ Date: _____

Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave. Ste. B
Tulare, CA 93274
559-687-1440

Sunday, April 14, 2024

Re: 2023 NMP
LegenDairy West
8509 Ave. 152, Tipton, CA 93272

Enclosed is the 2023/2024 Nutrient Budget for your facility to comply with the California Regional Water Quality Control Board General Order No. R5-2007-0035.

*2023 Whole Farm Nitrogen Balance

The whole farm nitrogen balance for the crop year 2022 was **0.62**
Nitrogen Summary will show the balances for each field and for the whole farm.

*Ranges for the Whole Farm Nitrogen Balance

| <u>Factor</u> | <u>Status</u> | <u>Evaluation</u> |
|---------------|---------------|---|
| > 1.65 | Excessive | Too much nitrogen applied |
| 1.4 - 1.65 | Slightly High | Nitrogen is satisfactory to slightly high |
| 0.9 - 1.4 | Normal | Normal to slightly low |
| < 0.9 | Low | Low nitrogen status, additional nitrogen needed |

*Nutrient Management Plan/ Nutrient Budget Certification

This Nutrient Budget was prepared by a Certified Crop Advisor as required by the California Regional Water Quality Control Board.


Butch Brazil
Certified Crop Advisor #35629

This Nutrient Management Plan / Nutrient Budget is based on samples collected and analyzed by a third party laboratory. This Certified Crop Advisor was not involved in oversight of outside laboratory sample collection, transportation, or analyses. Interpretation of the data is based on submitted information. Where data was incomplete, book values and / or historical data was used. The third party laboratory or Certified Crop Advisor was not involved with the agronomic growth of the crops and the Nutrient Budget is based on information provided by the owner.

