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: Log Haven Dairy

Physical address of dairy:

Number and Street	City	County	Zip Code
7755 Fargo Ave.	Hanford	Kings	93230

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1940

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0014-0130-0058-0000

B. OPERATORS

Soares, George

Operator name: Soares, George

Telephone no.: Landline: ; Cellular: (916) 812-6488

Mailing Address Number and Street	City	State	Zip Code
P.O. Box 1327	Hanford	CA	93232

This operator is responsible for paying permit fees.

C. OWNERS

Soares, George

Legal owner name: Soares, George

Telephone no.: Landline: ; Cellular: (916) 812-6488

Mailing Address Number and Street	City	State	Zip Code
P.O. Box 1327	Hanford	CA	93232

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	0	150	100	0	0
Number under roof	0	0	0	0	0	0
Maximum number	0	0	150	100	0	0
Average number	0	0	150	100	0	0
Avg live weight (lbs)	0	0	1,000	600		

Predominant milk cow breed: Holstein

Average milk production: 1 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 2,481.99 *tons per reporting period*

Total nitrogen from manure: 23,725.00 *lbs per reporting period*

After ammonia losses (30% loss applied): 16,607.50 *lbs per reporting period*

Total phosphorus from manure: 4,015.00 *lbs per reporting period*

Total potassium from manure: 25,000.00 *lbs per reporting period*

Total salt from manure: 0.00 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: _____ *gallons*

Total nitrogen generated: _____ *lbs*

Total phosphorus generated: _____ *lbs*

Total potassium generated: _____ *lbs*

Total salt generated: _____ *lbs*

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

D. FRESH WATER SOURCES

Source Description	Type
Ag Well	Ground water
Dairy Domestic	Ground water
George House Domestic	Ground water
Texiera Domestic	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.

Date	Material type / Description	Quantity	Reporting basis	Moisture (%)	N (%)	P (%)	K (%)	Salt (%)
06/01/2023	Liquid commercial fertilizer *Imported Commercial Fertilizer*	1,198.30 *gal*			95.000000	0.000000	0.000000	0.000000

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Commercial fertilizer / Other	9,499.82	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total imports for all materials	9,499.82	0.00	0.00	0.00

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Pastures	6	6	1	manure	0014-0130-0073-0000
Silva	29	29	1	none	0014-0130-0058-0000
Silveira	42	42	1	none	0014-0130-0014-0000
Texeira East	40	40	2	manure	0014-0130-0031-0000
Texeira West	36	36	2	manure	0014-0130-0031-0000
Totals for areas that were used for application	82	82	5		
Totals for areas that were not used for application	71	71	2		
Land application area totals	153	153	7		

B. CROPS AND HARVESTS

Pastures

Field name: Pastures

01/01/2000: Irrigated Pasture

Crop: Irrigated Pasture Acres planted: 6 Plant date: 01/01/2000

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	72.00 *ton*	Dry-weight		78.6	28,800.00	4,480.00	40,400.00		16.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	12.00	120.00	19.20	99.60	300.00
Total actual harvest content	12.00	147.92	23.01	207.49	862.85

Silva

Field name: Silva

Silva

01/01/2016: Non-Dairy Crop (Pistachios)

Crop: Non-Dairy Crop (Pistachios) Acres planted: 29 Plant date: 01/01/2016

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	58.00 *ton*	Dry-weight		50.0	1,000.00	100.00	1,000.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	2.00	200.00	20.00	200.00	20.00
Total actual harvest content	2.00	2.00	0.20	2.00	200.00

Silveira

Field name: Silveira

01/01/2020: Non-Dairy Crop (Pistachios)

Crop: Non-Dairy Crop (Pistachios) Acres planted: 42 Plant date: 01/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	84.00 *ton*	Dry-weight		50.0	1,000.00	100.00	1,000.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	2.00	200.00	20.00	200.00	20.00
Total actual harvest content	2.00	2.00	0.20	2.00	200.00

Texeira East

Field name: Texeira East

Texeira East

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

Crop: Wheat, silage, soft dough — Acres planted: 40 — Plant date: 11/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	720.00 *ton*	Dry-weight		60.2	10,000.00	1,550.00	9,690.00		8.50

	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	450.00
Total actual harvest content	18.00	143.28	22.21	138.84	1,217.88

06/01/2023: Corn, silage

Crop: Corn, silage — Acres planted: 40 — 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 (%)
10/06/2023	1,200.00 *ton*	Dry-weight		65.5	13,800.00	2,990.00	7,910.00		5.61

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	750.00
Total actual harvest content	30.00	285.66	61.89	163.74	1,161.27

Texeira West

Field name: Texeira West

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

Crop: Wheat, silage, soft dough — Acres planted: 36 — Plant date: 11/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	648.00 *ton*	Dry-weight		59.4	10,200.00	1,560.00	7,940.00		7.50

	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	450.00
Total actual harvest content	18.00	149.08	22.80	116.05	1,096.20

Texeira West

06/01/2023: Corn, silage

Crop: Corn, silage

Acres planted: 36 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 (%)
10/06/2023	1,080.00 *ton*	Dry-weight		64.7	14,500.00	3,090.00	7,060.00		5.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	750.00
Total actual harvest content	30.00	307.11	65.45	149.53	1,207.26

NUTRIENT BUDGET

A. LAND APPLICATIONS

Pastures - 01/01/2000: Irrigated Pasture

Field name: Pastures

Crop: Irrigated Pasture

Plant date: 01/01/2000

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/22/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/04/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/18/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Pastures - 01/01/2000: Irrigated Pasture

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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/16/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/27/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Pastures - 01/01/2000: Irrigated Pasture

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/24/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/08/2023	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
Ag Well	Ground water	1.03	0.00	0.00	225.32	675,000.00 *gal*
Application event totals		1.03	0.00	0.00	225.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/31/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure from Grazing Cattle	Corral solids	47.00	45.75	60.50	375.00	50.00 *ton*
Application event totals		47.00	45.75	60.50	375.00	

Silva - 01/01/2016: Non-Dairy Crop (Pistachios)

Field name: Silva

Crop: Non-Dairy Crop (Pistachios) Plant date: 01/01/2016

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/01/2023	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
Ag Well	Ground water	3.01	0.00	0.00	656.09	9,500,000.00 *gal*
Application event totals		3.01	0.00	0.00	656.09	

Silveira - 01/01/2020: Non-Dairy Crop (Pistachios)

Field name: Silveira

Crop: Non-Dairy Crop (Pistachios) Plant date: 01/01/2020

Silveira - 01/01/2020: Non-Dairy Crop (Pistachios)

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/01/2023	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
Ag Well	Ground water	3.01	0.00	0.00	655.68	13,750,000.00 *gal*
Application event totals		3.01	0.00	0.00	655.68	

Texeira East - 11/15/2022: Wheat, silage, soft dough

Field name: Texeira East

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/12/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Solid Manure Application	Corral solids	186.35	181.39	239.87	991.20	210.00 *ton*
Application event totals		186.35	181.39	239.87	991.20	

11/30/2022	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
Ag Well	Ground water	1.00	0.00	0.00	217.80	4,350,000.00 *gal*
Application event totals		1.00	0.00	0.00	217.80	

02/01/2023	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
Ag Well	Ground water	1.00	0.00	0.00	217.80	4,350,000.00 *gal*
Application event totals		1.00	0.00	0.00	217.80	

03/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ag Well	Ground water	1.00	0.00	0.00	217.80	4,350,000.00 *gal*
Application event totals		1.00	0.00	0.00	217.80	

Texeira East - 06/01/2023: Corn, silage

Field name: Texeira East

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/04/2023	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
Commercial Fertilizer - Corn Starter	Liquid commercial fertilizer	125.00	0.00	0.00	0.00	
Solid Manure Application	Corral solids	244.02	237.53	314.12	1,298.00	275.00 *ton*
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		370.33	237.53	314.12	1,583.40	

06/18/2023	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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

07/16/2023	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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

Texeira East - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/27/2023	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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Ag Well	Ground water	1.31	0.00	0.00	285.40	5,700,000.00 *gal*
Application event totals		1.31	0.00	0.00	285.40	

Texeira West - 11/15/2022: Wheat, silage, soft dough

Field name: Texeira West

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/12/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Solid Manure Application	Corral solids	197.19	191.95	253.83	1,048.89	200.00 *ton*
Application event totals		197.19	191.95	253.83	1,048.89	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/01/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ag Well	Ground water	1.02	0.00	0.00	222.53	4,000,000.00 *gal*
Application event totals		1.02	0.00	0.00	222.53	

Texeira West - 11/15/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/02/2023	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
Ag Well	Ground water	1.02	0.00	0.00	222.53	4,000,000.00 *gal*
Application event totals		1.02	0.00	0.00	222.53	

03/16/2023	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
Ag Well	Ground water	1.02	0.00	0.00	222.53	4,000,000.00 *gal*
Application event totals		1.02	0.00	0.00	222.53	

Texeira West - 06/01/2023: Corn, silage

Field name: Texeira West

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/05/2023	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
Commercial Fertilizer - Corn Starter	Liquid commercial fertilizer	125.00	0.00	0.00	0.00	
Solid Manure Application	Corral solids	271.14	263.93	349.02	1,442.22	275.00 *ton*
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		397.45	263.93	349.02	1,728.73	

06/19/2023	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
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

Texeira West - 06/01/2023: Corn, silage

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
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

07/17/2023	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
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

07/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

08/14/2023	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
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

08/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

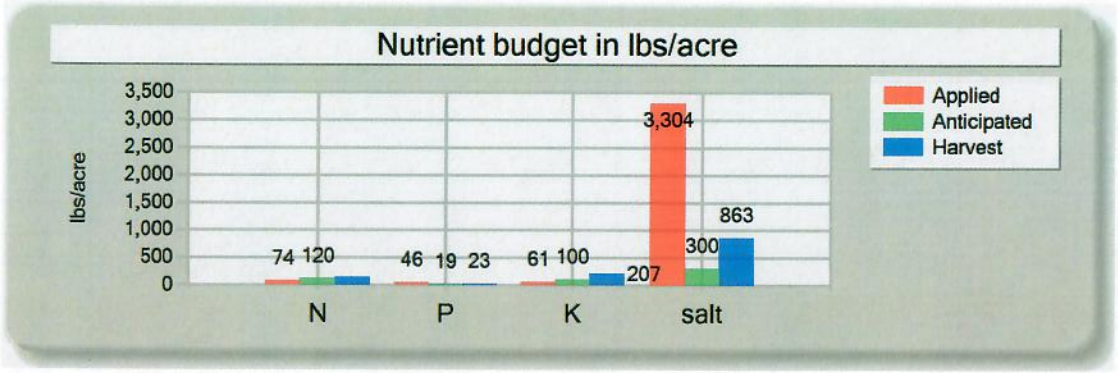
09/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ag Well	Ground water	1.31	0.00	0.00	286.51	5,150,000.00 *gal*
Application event totals		1.31	0.00	0.00	286.51	

B. NUTRIENT BUDGET

Pastures - 01/01/2000: Irrigated Pasture

Field name: Pastures Crop: Irrigated Pasture Plant date: 01/01/2000



	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	47.00	45.75	60.50	375.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	13.43	0.00	0.00	2,929.10
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	74.43	45.75	60.50	3,304.10
Anticipated crop nutrient removal	120.00	19.20	99.60	300.00
Actual crop nutrient removal	147.92	23.01	207.49	862.85
Nutrient balance	-73.49	22.74	-146.99	2,441.25
Applied to removed ratio	0.50	1.99	0.29	3.83

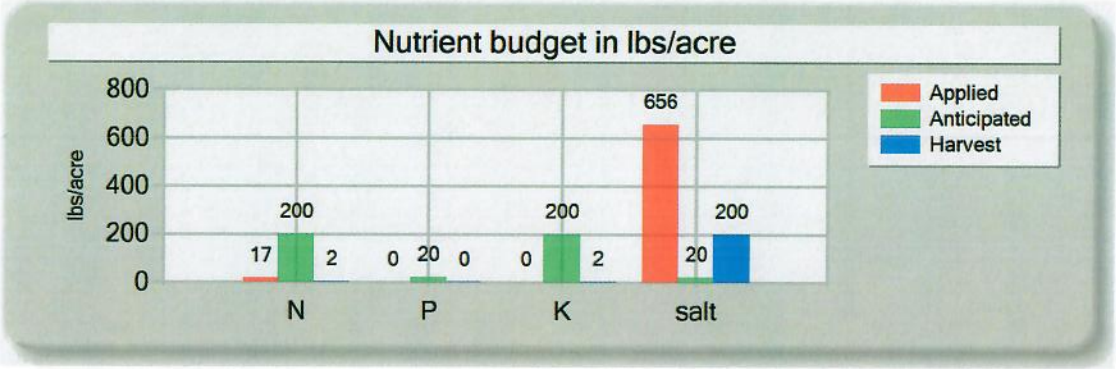
Fresh water applied
8,775,000.00 *gallons*
323.15 *acre-inches*
53.86 *inches/acre*

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

Total harvests for the crop
1 *harvests*

Silva - 01/01/2016: Non-Dairy Crop (Pistachios)

Field name: Silva | Crop: Non-Dairy Crop (Pistachios) | Plant date: 01/01/2016



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	3.01	0.00	0.00	656.09
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	17.01	0.00	0.00	656.09
Anticipated crop nutrient removal	200.00	20.00	200.00	20.00
Actual crop nutrient removal	2.00	0.20	2.00	200.00
Nutrient balance	15.01	-0.20	-2.00	456.09
Applied to removed ratio	8.50	0.00	0.00	3.28

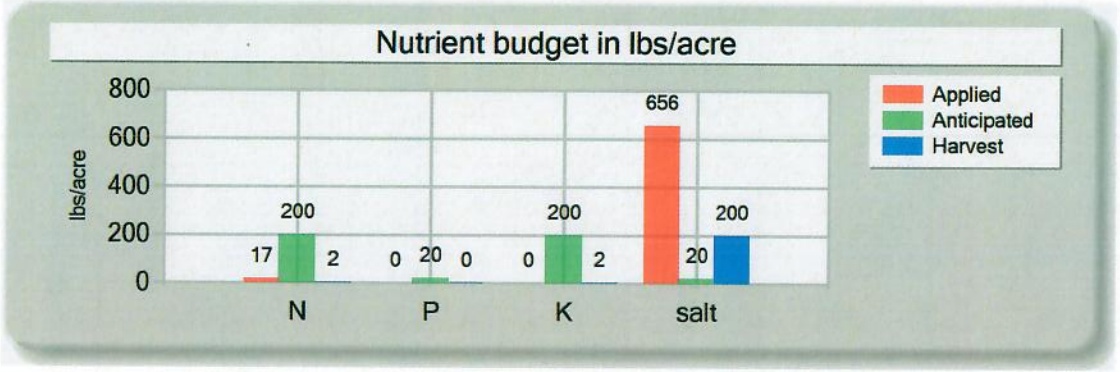
Fresh water applied
9,500,000.00 *gallons*
349.85 *acre-inches*
12.06 *inches/acre*

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

Total harvests for the crop
1 *harvests*

Silveira - 01/01/2020: Non-Dairy Crop (Pistachios)

Field name: Silveira Crop: Non-Dairy Crop (Pistachios) Plant date: 01/01/2020



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	3.01	0.00	0.00	655.68
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	17.01	0.00	0.00	655.68
Anticipated crop nutrient removal	200.00	20.00	200.00	20.00
Actual crop nutrient removal	2.00	0.20	2.00	200.00
Nutrient balance	15.01	-0.20	-2.00	455.68
Applied to removed ratio	8.50	0.00	0.00	3.28

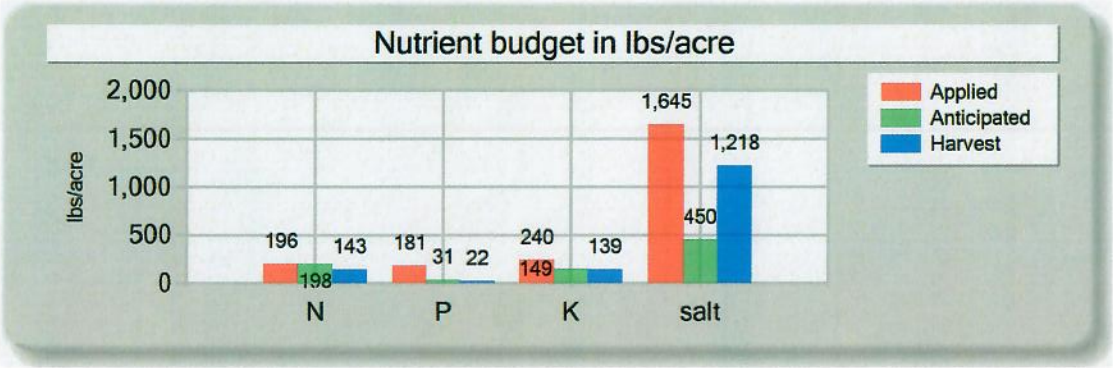
Fresh water applied
13,750,000.00 *gallons*
506.37 *acre-inches*
12.06 *inches/acre*

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

Total harvests for the crop
1 *harvests*

Texeira East - 11/15/2022: Wheat, silage, soft dough

Field name: Texeira East Crop: Wheat, silage, soft dough Plant date: 11/15/2022



	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	186.35	181.39	239.87	991.20
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	2.99	0.00	0.00	653.41
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	196.34	181.39	239.87	1,644.61
Anticipated crop nutrient removal	198.00	30.60	149.40	450.00
Actual crop nutrient removal	143.28	22.21	138.84	1,217.88
Nutrient balance	53.06	159.18	101.03	426.73
Applied to removed ratio	1.37	8.17	1.73	1.35

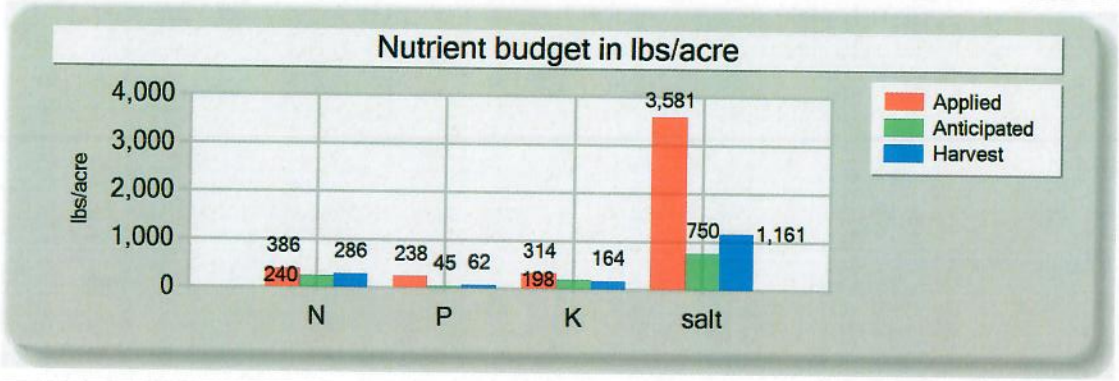
Fresh water applied
13,050,000.00 *gallons*
480.59 *acre-inches*
12.01 *inches/acre*

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

Total harvests for the crop
1 *harvests*

Texeira East - 06/01/2023: Corn, silage

Field name: Texeira East Crop: Corn, silage Plant date: 06/01/2023



	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	125.00	0.00	0.00	0.00
Dry manure	244.02	237.53	314.12	1,298.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	10.46	0.00	0.00	2,283.19
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	386.49	237.53	314.12	3,581.19
Anticipated crop nutrient removal	240.00	45.00	198.00	750.00
Actual crop nutrient removal	285.66	61.89	163.74	1,161.27
Nutrient balance	100.83	175.64	150.38	2,419.92
Applied to removed ratio	1.35	3.84	1.92	3.08

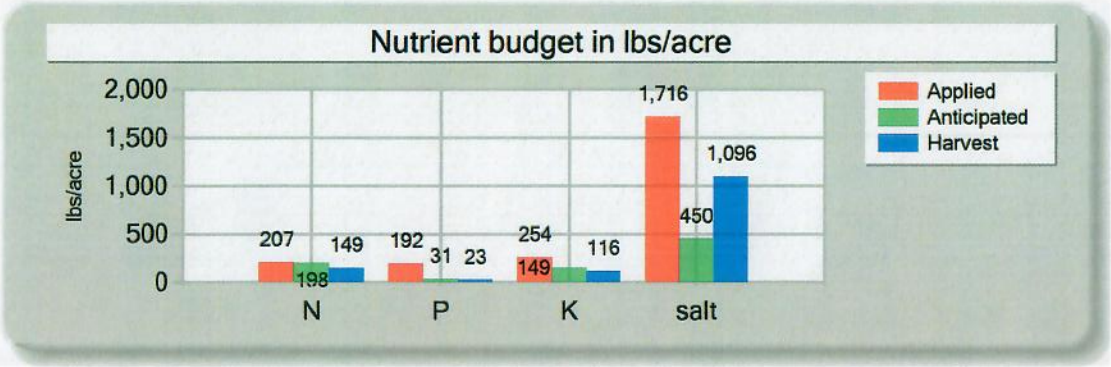
Fresh water applied
45,600,000.00 *gallons*
1,679.29 *acre-inches*
41.98 *inches/acre*

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

Total harvests for the crop
1 *harvests*

Texeira West - 11/15/2022: Wheat, silage, soft dough

Field name: Texeira West | Crop: Wheat, silage, soft dough | Plant date: 11/15/2022



	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	197.19	191.95	253.83	1,048.89
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	3.06	0.00	0.00	667.60
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	207.25	191.95	253.83	1,716.49
Anticipated crop nutrient removal	198.00	30.60	149.40	450.00
Actual crop nutrient removal	149.08	22.80	116.05	1,096.20
Nutrient balance	58.17	169.15	137.78	620.29
Applied to removed ratio	1.39	8.42	2.19	1.57

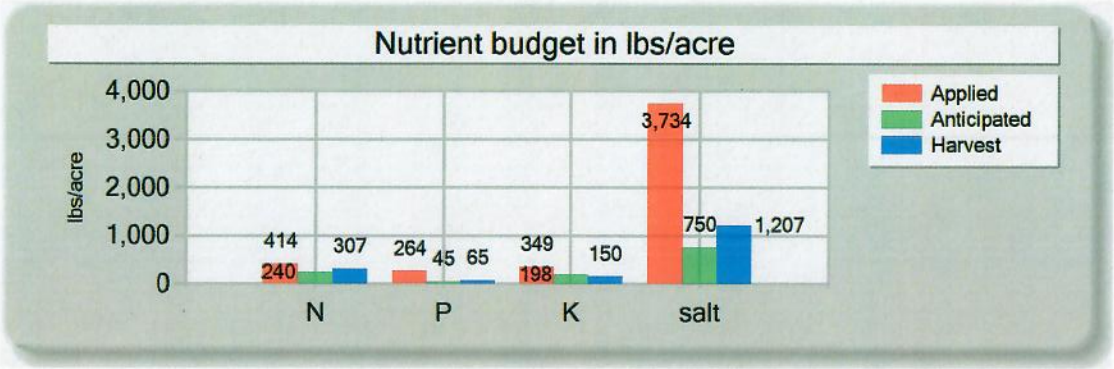
Fresh water applied
12,000,000.00 *gallons*
441.92 *acre-inches*
12.28 *inches/acre*

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

Total harvests for the crop
1 *harvests*

Texeira West - 06/01/2023: Corn, silage

Field name: Texeira West | Crop: Corn, silage | Plant date: 06/01/2023



	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	125.00	0.00	0.00	0.00
Dry manure	271.14	263.93	349.02	1,442.22
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	10.51	0.00	0.00	2,292.09
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	413.64	263.93	349.02	3,734.32
Anticipated crop nutrient removal	240.00	45.00	198.00	750.00
Actual crop nutrient removal	307.11	65.45	149.53	1,207.26
Nutrient balance	106.53	198.48	199.49	2,527.06
Applied to removed ratio	1.35	4.03	2.33	3.09

Fresh water applied
41,200,000.00 *gallons*
1,517.26 *acre-inches*
42.15 *inches/acre*

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

Total harvests for the crop
1 *harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Corral Manure

Sample and source description: Corral Manure

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

Moisture: 5.6 %

	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	18,800.00	18,300.00	24,200.00							41.60
DL	0.05	0.01	0.01							0.10

B. PROCESS WASTEWATER ANALYSES

Log Haven Wastewater 3-26-23

Sample and source description: Log Haven Wastewater 3-26-23

Sample date: 03/26/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.11

	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	87.00	19.00		0.00	51.00	610.00								2,810.00	2,770
DL	5.00	2.00		0.40	1.00	10.00								1.00	20

C. FRESH WATER ANALYSES

Ag Well

Ag Well (2022 Sample)

Sample description: Ag Well (2022 Sample)

Sample date: 05/04/2022 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	1.10								327.00	240
DL		0.20	0.40								0.10	1

Dairy Domestic

Dairy Domestic

Sample description: Dairy Domestic

Sample date: 05/18/2023 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								3.50	210
DL		0.20	0.40								1.00	20

George House Domestic

George House - Domestic

Sample description: George House - Domestic

Sample date: 05/18/2023 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	5.90								332.00	230
DL		0.20	0.40								1.00	20

Texiera Domestic

Texiera - Domestic

Sample description: Texiera - Domestic

Sample date: 05/18/2023 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	1.50								258.00	190
DL		0.20	0.40								1.00	20

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Pastures - 01/01/2000: Irrigated Pasture

Log Haven - Pasture Sample 2023

Sample and source description: Log Haven - Pasture Sample 2023

Sample date: 05/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 78.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	28,800.00	4,480.00	40,400.00		16.80
DL	0.05	0.01	0.01		0.10

Texeira East - 11/15/2022: Wheat, silage, soft dough

Wheat - 2022 Texiera East

Sample and source description: Wheat - 2022 Texiera East

Sample date: 05/04/2022 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,000.00	1,550.00	9,690.00		8.50
DL	0.05	0.01	0.01		0.10

Texeira East - 06/01/2023: Corn, silage

Texeira East - 06/01/2023: Corn, silage

Corn Silage - Texiera East

Sample and source description: Corn Silage - Texiera East

Sample date: 10/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,800.00	2,990.00	7,910.00		5.61
DL	0.05	0.01	0.01		0.10

Texeira West - 11/15/2022: Wheat, silage, soft dough

Wheat - 2022 Texiera West

Sample and source description: Wheat - 2022 Texiera West

Sample date: 05/02/2022 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 59.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,200.00	1,560.00	7,940.00		7.50
DL	0.05	0.01	0.01		0.10

Texeira West - 06/01/2023: Corn, silage

Corn Silage - Texiera West

Sample and source description: Corn Silage - Texiera West

Sample date: 10/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	3,090.00	7,060.00		5.70
DL	0.05	0.01	0.01		0.10

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

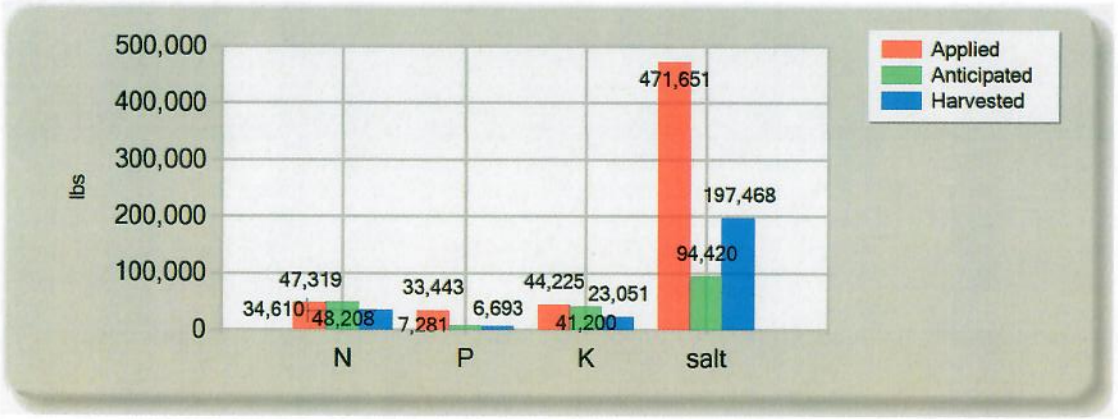
No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

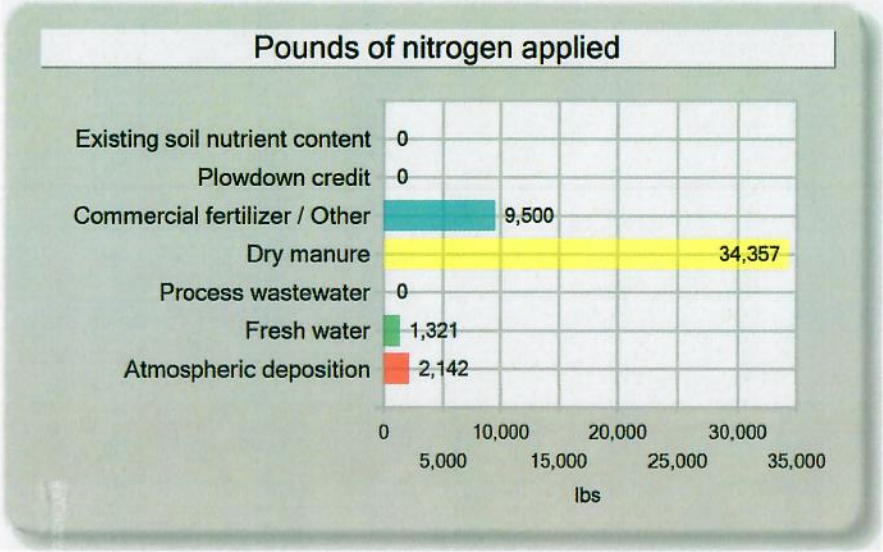
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

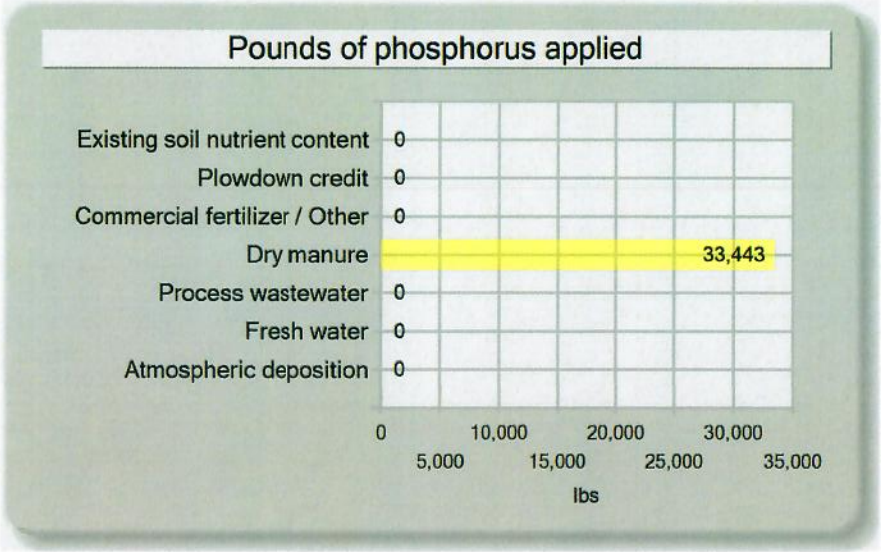
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	9,500.00	0.00	0.00	0.00
Dry manure	34,356.62	33,442.88	44,225.02	183,498.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	1,320.70	0.00	0.00	288,152.85
Atmospheric deposition	2,142.00	0.00	0.00	0.00
Total nutrients applied	47,319.32	33,442.88	44,225.02	471,650.85
Anticipated crop nutrient removal	48,208.00	7,280.80	41,200.00	94,420.00
Actual crop nutrient removal	34,610.06	6,693.21	23,050.93	197,467.65
Nutrient balance	12,709.27	26,749.67	21,174.09	274,183.20
Applied to removed ratio	1.37	5.00	1.92	2.39

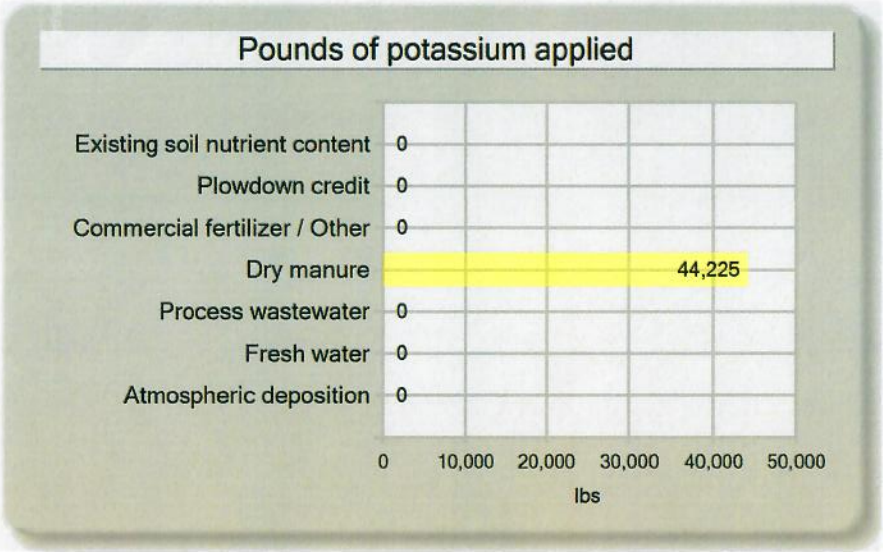
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

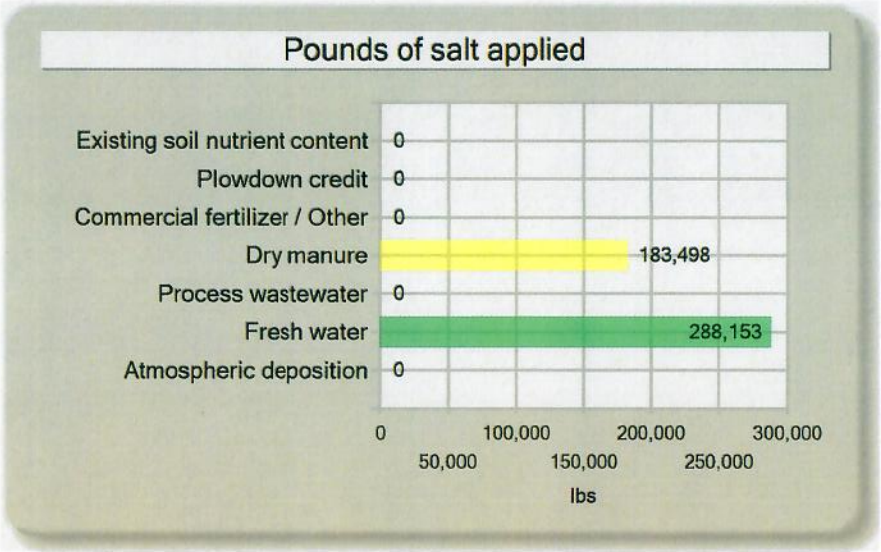


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period?	No
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

ADDITIONAL NOTES

A. NOTES

1. The 2023 Ag well sample and Spring wheat silage samples were lost by the lab (Fruit Growers Laboratory). 2024 samples are being taken and will be available soon.

2. No wastewater applications were made in 2023.

3. Irrigation totals are unknown. Estimated are indicated based upon estimated crop needs.

4. No solid manure was applied or exported in 2023 per facility manager.

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.

George H. Soares

SIGNATURE OF OWNER OF FACILITY

George Soares

PRINT OR TYPE NAME

5/4/2024

DATE

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

5/4/2024

DATE

June 13, 2023

Lab No. : **CH 2373403**
Customer No. : **7011881**

George Soares
PO Box 1327
Hanford, CA 93232

Laboratory Report

Introduction: This report package contains a total of 6 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(3 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
George House-Domestic	05/18/2023	05/19/2023	CH 2373403-001	GW
Texiera Domestic	05/18/2023	05/19/2023	CH 2373403-002	GW
Dairy Domestic	05/18/2023	05/19/2023	CH 2373403-003	GW

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 except those as listed in the table below. 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.

Samples Over Hold Time

Lab No	Analyte Method	Maximum Hold Time	Actual Hold Time
CH 2373403-001	pH	15 minutes	18,616.0 minutes
CH 2373403-002	pH	15 minutes	18,646.0 minutes
CH 2373403-003	pH	15 minutes	18,601.0 minutes

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	
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-NH3 G	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)

Discussion of Analytical Results:

CH 2373403-1 The nitrite-N result used to calculate nitrate-N was performed past holding time.

CH 2373403-2 The nitrite-N result used to calculate nitrate-N was performed past holding time.

CH 2373403-3 The nitrite-N result used to calculate nitrate-N was performed past holding time.

Page 1 of 6

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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

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: EHB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-06-14

Page 2 of 6

June 13, 2023

George Soares
PO Box 1327
Hanford, CA 93232

Lab No. : CH 2373403-001
Customer No. : 7011881

Sampled On : May 18, 2023 at 14:00
Sampled By : Joe Corp
Received On : May 19, 2023 at 13:40
Matrix : Ground Water

Description : George House-Domestic
Project : Domestic and Agricultural Supply Wells - Joe Corp

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Ammonia-N	ND	0.2	mg/L		1	U	06/02/2023	13:05	lcr	SM 4500-NH3 G	06/02/2023	16:25	lcr
Nitrate Nitrogen	5.9	0.4	mg/L		1		05/25/2023	11:00	lfs	SM 4500-NO3 F	05/25/2023	14:16	lfs
Conductivity	332	1	umhos/cm		1		05/24/2023	13:38	amm	SM 4500-H+B	05/24/2023	14:51	amm
pH	8.15	---	units		1	T	05/31/2023	12:16	krh	SM 4500-H+B	05/31/2023	13:02	krh
Solids, Total Dissolved (TDS)	230	20	mg/L		1		05/23/2023	14:50	ctl	SM 2540 C	05/24/2023	11:25	ctl

DQF Flags Definition:
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.

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

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June 13, 2023

George Soares
PO Box 1327
Hanford, CA 93232

Lab No. : CH 2373403-002
Customer No. : 7011881

Sampled On : May 18, 2023 at 13:30
Sampled By : Joe Corp
Received On : May 19, 2023 at 13:40
Matrix : Ground Water

Description : Texiera Domestic
Project : Domestic and Agricultural Supply Wells - Joe Corp

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Ammonia-N	ND	0.2	mg/L		1	U	06/02/2023	13:05	lcr	SM 4500-NH3 G	06/02/2023	16:28	lcr
Nitrate Nitrogen	1.5	0.4	mg/L		1		05/26/2023	12:00	lfs	SM 4500-NO3 F	05/26/2023	13:05	lfs
Conductivity	258	1	umhos/cm		1		05/24/2023	13:38	amm	SM 4500-H+B	05/24/2023	14:04	amm
pH	8.12	---	units		1	T	05/31/2023	12:16	krh	SM 4500-H+B	05/31/2023	12:46	krh
Solids, Total Dissolved (TDS)	190	20	mg/L		1		05/23/2023	14:50	ctl	SM 2540 C	05/24/2023	11:25	ctl

DQF Flags Definition:
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.

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

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June 13, 2023

George Soares
PO Box 1327
Hanford, CA 93232

Lab No. : CH 2373403-003
Customer No. : 7011881

Sampled On : May 18, 2023 at 14:15
Sampled By : Joe Corp
Received On : May 19, 2023 at 13:40
Matrix : Ground Water

Description : Dairy Domestic
Project : Domestic and Agricultural Supply Wells - Joe Corp

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Ammonia-N	ND	0.2	mg/L		1	U	06/02/2023	13:05	lcr	SM 4500-NH3 G	06/02/2023	16:30	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	05/25/2023	11:00	lfs	SM 4500-NO3 F	05/25/2023	14:21	lfs
Conductivity	305	1	umhos/cm		1		05/24/2023	13:38	amm	SM 4500-H+B	05/24/2023	14:48	amm
pH	8.58	---	units		1	T	05/31/2023	12:16	krh	SM 4500-H+B	05/31/2023	12:48	krh
Solids, Total Dissolved (TDS)	210	20	mg/L		1		05/23/2023	14:50	ctl	SM 2540 C	05/24/2023	11:25	ctl

DQF Flags Definition:
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.

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

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June 13, 2023
Log Haven Dairies

Lab No. : CH 2373403
Customer No. : 7011881

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(CH 2373403-002)	Dup	umhos/cm		0%	5	
Solids, Total Dissolved	2540CE	05/23/2023:205656CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	993.7	101%	90-110	
		(SP 2308381-001)	Dup	mg/L		0.5%	5	
		(SP 2308381-001)	Dup	mg/L		0.8%	5	
pH	4500-H B	(VI 2343224-001)	Dup	units		0.5%	4.80	
Ammonia Nitrogen	4500NH3G	06/02/2023:205980LCR	Blank	mg/L		ND	<0.2	
			LCS	mg/L	2.000	91.0%	90-110	
			MS	mg/L	2.000	88.7%	46-139	
		(SP 2308139-002)	MSD	mg/L	2.000	90.1%	46-139	
			MSRPD	mg/L		1.4%	≤20	
Nitrate Nitrogen	4500NO3F	05/25/2023:205678LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	98.0%	80-120	
			MS	mg/L	5.609	96.5%	66-125	
		(SP 2308612-001)	MSD	mg/L	5.609	99.0%	66-125	
			MSRPD	mg/L		1.7%	≤30.4	
	4500NO3F	05/26/2023:205805LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	97.7%	80-120	
			MS	mg/L	5.609	91.6%	66-125	
		(SP 2308700-001)	MSD	mg/L	5.609	91.7%	66-125	
			MSRPD	mg/L		0.0%	≤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 analyted. 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.

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ENVIRONMENTAL & AGRONOMIC

Dairy Operations
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CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

CLIENT DETAILS — SECTION I

Client: Log Haven Dairies

☐ New Customer Customer Number: 7011881

Address: PO Box 1327
Hanford, CA 93232

Phone: (559)905-8105 FAX:

Email:

Project Name: JC-Domestic & Ag Supply Wells

Contact person: Steve Silva

Billing Information (if different from above)

Name:

Address:

Phone: FAX:

Contact Person:

Purchase order/contract/FGL quote number:

SAMPLING — SECTION II

Lab Number: 2373403 Sampler(s): JC

Time: Mileage:

Shipping Charge: Pickup Charge:

SAMPLE INFORMATION — SECTION III

Samp Num	Location/Description	Date Sampled	Time Sampled	Number of Containers	Type of Container:(G)Glass, (P) Plastic, (Z) Ziplock, (PB) Paper Bag	(PW) Process Water, (M)Manure,(S) Soil, (T) Crop Tissue, (IW)Irrigation Water, (SW) Storm Water	(1) H2S04, (2) HNO3, (3) Na2S203, (4) Other	DOMESTIC & AG SUPPLY WELLS	DAW1: NO3-N, TDS, EC + Ammonia & pH	DAW1 (if detected in field): NH3-N	DAW2: Alk. (CaCO3),Cl,TDS,SO4,Ca,Na,Mg	DAW Field-Field E.C.	DAW Field-Field NH3-N						
1	George House -Domestic	5-18-23	1400						X										
2	Teixeira Domestic	5-18-23	1330						X										
3	Dairy Domestic	5-18-23	1415						X										

REMARKS — SECTION IV

Copy to Joe Corp

CUSTODY — SECTION V

		Print Name	Date	Time
Reliquished By:		JOE Corp	5/19/23	1340
Received By:			5/19/23	1340
Reliquished By:			5/19/23	1700
Received By:			5/19/23	1700

GLS 5/20/23 1318

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FAX: (559) 734-8435

FGL Environmental
Revision Date: 10/09/14

Doc ID: 3D0900002_SOP_12.DOC
Page 1 of 1

2373403

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC CH VI

1. Number of ice chests/packages received: ROC Shipping tracking # _____
2. Were samples received in a chilled condition? Temps: RRT / ____ / ____ / ____ / ____
   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?	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): LM

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: ___ / ____ / ____ / ____ / ____ / ____
   Acceptable is above freezing to 6B C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers:
   SS94355573

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? [Exception: Oil & Grease, VOA and CrVI verified in lab]	Yes	No	N/A	FGL
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

(7011881)
Log Haven Dairies
CH 2373403
iv 05/22/2023 07:39:20
CH 2373403

May 31, 2022

George Soares
PO Box 1327
Hanford, CA 93232

Lab ID : CH 2273185
Customer : 7-11881

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: 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 ID #	Matrix
~~Texeira Domestic~~	~~05/04/2022~~	~~05/05/2022~~	~~CH 2273185-001~~	~~AgW~~
~~Dairy Domestic~~	~~05/04/2022~~	~~05/05/2022~~	~~CH 2273185-002~~	~~AgW~~
Ag well	05/04/2022	05/05/2022	CH 2273185-003	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 arrived on ice. All samples were prepared and analyzed within the method specified hold time. 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 attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Wet Chemistry QC

2510B	05/11/2022:206715 All analysis quality controls are within established criteria
	05/11/2022:205174 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)
2540CE	05/09/2022:205085 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)
4500NH3G	05/09/2022:206638 All analysis quality controls are within established criteria
	05/10/2022:206689 All analysis quality controls are within established criteria
	05/09/2022:205088 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)
	05/10/2022:205132 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)

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May 31, 2022

George Soares
PO Box 1327
Hanford, CA 93232

Lab ID : CH 2273185-003
Customer ID : 7-11881

Sampled On : May 4, 2022-16:10
Sampled By : Joe Corp
Received On : May 5, 2022-09:50
Matrix : Ag Water

Description : Ag well
Project : Log Haven Dairies

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Dairy Analysis								
Ammonia-N	ND	0.2	mg/L		4500NH3G	05/09/22:205088	4500NH3G	05/09/22:206638
Nitrate Nitrogen	1.1	0.2	mg/kg		4500NO3F	05/06/22:205039	4500NO3F	05/06/22:206534
Conductivity	327	1	umhos/cm		2510B	05/11/22:205174	2510B	05/11/22:206715
Solids, Total Dissolved (TDS)	240	20	mg/L		2540CE	05/09/22:205085	2540C	05/10/22:206670

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

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May 31, 2022
George Soares

Lab ID : CH 2273185
Customer : 7-11881

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Conductivity	2510B	05/11/22:206715sta	ICB	umhos/cm		0.0700	1	
			ICV	umhos/cm	996.0	98.7%	95-105	
			CCV	umhos/cm	996.0	99.2%	95-105	
E. C.	2510B	05/11/22:205174sta	Blank	umhos/cm		ND	<1	
		(CC 2281575-001)	Dup	umhos/cm		0.5%	5	
Total Dissolved Solids (TFR)	2540CE	05/09/22:205085CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	990.8	102 %	90-110	
		(CC 2281565-001)	Dup	mg/L		0.8%	5	
		(CC 2281565-001)	Dup	mg/L		0.8%	5	
Ammonia Nitrogen	4500NH3G	05/09/22:205088MCA	Blank	mg/L		ND	<0.2	
			LCS	mg/L	2.000	93.7%	90-110	
			MS	mg/L	2.000	90.6%	46-139	
		(SP 2207301-003)	MSD	mg/L	2.000	92.3%	46-139	
			MSRPD	mg/L	2.000	1.8%	≤20	
	4500NH3G	05/09/22:206638mca	CCB	mg/l		-0.0540	0.2	
			CCV	mg/l	2.000	90.6%	90-110	
			CCB	mg/l		-0.0510	0.2	
			CCV	mg/l	2.000	90.5%	90-110	
	4500NH3G	05/10/22:205132MCA	Blank	mg/L		ND	<0.2	
			LCS	mg/L	2.000	97.6%	90-110	
			MS	mg/L	2.000	106%	46-139	
		(SP 2207322-001)	MSD	mg/L	2.000	102%	46-139	
			MSRPD	mg/L	2.000	3.4%	≤20	
			Blank	mg/L		ND	<0.2	
			LCS	mg/L	2.000	94.2%	90-110	
			MS	mg/L	2.000	94.6%	46-139	
		(SP 2207301-015)	MSD	mg/L	2.000	93.1%	46-139	
			MSRPD	mg/L	2.000	1.4%	≤20	
	4500NH3G	05/10/22:206689mca	ICB	mg/l		-0.0650	0.2	
			ICV	mg/l	2.000	98.2%	90-110	
			CCB	mg/l		-0.0600	0.2	
			CCV	mg/l	2.000	96.6%	90-110	
			CCB	mg/l		-0.0780	0.2	
			CCV	mg/l	2.000	94.1%	90-110	
			CCB	mg/l		-0.0460	0.2	
			CCV	mg/l	2.000	94.4%	90-110	
Nitrate + Nitrite as N	4500NO3F	05/06/22:205039VVH	Blank	mg/L		ND	<0.2	
			LCS	mg/L	11.22	105%	80-120	
			MS	mg/L	5.609	101%	5-285	
		(SP 2207484-003)	MSD	mg/L	5.609	104%	5-285	
			MSRPD	mg/L	5.609	2.0%	≤30.4	
	4500NO3F	05/06/22:206534vvh	CCB	mg/l		0.0140	0.2	
			CCV	mg/l	11.22	99.7%	90-110	
			CCB	mg/l		-0.0130	0.2	
			CCV	mg/l	11.22	99.5%	90-110	
Nitrate Nitrogen	4500NO3F	05/06/22:205039VVH	Blank	mg/L		ND	<0.2	

Definition

ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
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.

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May 31, 2022
George Soares

Lab ID : CH 2273185
Customer : 7-11881

Quality Control - Inorganic

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

ENVIRONMENTAL & AGRONOMIC

Dairy Operations
www.fglinc.com

CHAIN OF CUSTODY AND ANALYSES REQUEST FORM

CLIENT DETAILS — SECTION I

Client: Log Haven Dairies

☐ New Customer Customer Number: 7011881

Address: PO Box 1327
Hanford, CA 93232

Phone: (559)905-8105 FAX:

Email:

Project Name: JC-Domestic & Ag Supply Wells

Contact person: Steve Silva

Billing Information (if different from above)

Name:

Address:

Phone: FAX:

Contact Person:

Purchase order/contract/FGL quote number:

SAMPLING — SECTION II

Lab Number: 2273185

Time:

Shipping Charge:

Sampler(s): JC

Mileage:

Pickup Charge:

SAMPLE INFORMATION — SECTION III

Samp Num	Location/Description	Date Sampled	Time Sampled	Number of Containers	Type of Container:(G)Glass, (P) Plastic, (Z) Ziplock, (PB) Paper Bag	(PW) Process Water, (M)Manure,(S) Soil, (T) Crop Tissue, (IW)Irrigation Water, (SW) Storm Water	(1) H2S04, (2) HNO3, (3) Na2S203, (4) Other	DOMESTIC & AG SUPPLY WELLS	DAW1: NO3-N, TDS, EC + Ammonia	DAW1 (if detected in field): NH3-N	DAW2: Alk. (CaCO3),Cl,TDS,SO4,Ca,Na,Mg	DAW Field-Field E.C.	DAW Field-Field NH3-N
~~1~~	~~Dairy - Domestic~~	~~5-4-22~~	~~1600~~						X				
~~2~~	~~Dairy - Domestic~~		~~1645~~						X				
3	AG WELL		1610						X				
~~4~~	~~Dairy - Domestic~~		~~1635~~						~~X~~				

REMARKS — SECTION IV

Copy to J. Corp

CUSTODY — SECTION V

Reliquished By:		Print Name: JOE CORP	Date: 5-5-22	Time: 0950
Received By:		Print Name:	Date: 5/5/22	Time: 0950
Reliquished By:		Print Name:	Date: 5/5/22	Time: 1700
Received By:		Print Name:	Date: 5/5/22	Time: 1700

RTS 5/6/22 9:40
DA

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FGL Environmental
Revision Date: 10/09/14

2273185

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC CH VI

1. Number of ice chests/packages received: 0 Shipping tracking # _____
2. Were samples received in a chilled condition? Temps: 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.

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): M

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 2C / ____ / ____ / ____ / ____
   Acceptable is above freezing to 6E C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 556702592 | "591" |

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? [Exception: Oil & Grease, VOA and CrVI verified in lab]	Yes	No	N/A	FGL
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): DA

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 cc contacts)

(7011881)
Log Haven Dairies
CH 2273185
da0 05/24/2022 17:02:11
CH_2273185