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

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:	Ron Verhoeven Family Da	airv
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Physical address of dairy:

4975 Ave 120CorcoranTulare93212Number and StreetCityCountyZip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 05/01/1989

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X293-X250-X001-XXXX X293-X250-X002-XXXX X293-X250-X003-XXXX X293-X250-X004-XXXX X293-X250-X005-XXXX X293-X250-X009-XXXX X293-X250-X010-XXXX X293-X260-X005-XXXX

B. OPERATORS

Verhoeven, Ron			
Operator name: Verhoeven, Ron		Telephone no.: (559) 992-1315	(559) 802-6463
		Landline	Cellular
4975 Avenue 120	Corcoran	CA	93212
Mailing Address Number and Street	City	State	Zip Code
This operator is responsible for paying permit fees.			

C. OWNERS

Verhoeven, Ron			
Legal owner name: Verhoeven, Ron		Telephone no.: (559) 992-1315	(559) 802-6463
		Landline	Cellular
4975 Avenue 120	Corcoran	CA	93212
Mailing Address Number and Street	City	State	Zip Code
This owner is responsible for paying permit fees.			

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

AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)		Calves (0-3 mo.)
Number open confinement	1,870	200	290	460	420	0
Number under roof	0	0	0	0	0	0
Maximum number	1,890	210	300	480	450	0
Average number	1,880	205	295	470	435	0
Avg live weight (lbs)	1,400	1,500	1,100	500		

Predominant milk cow breed: Holstein

Average milk production: 63 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 58,537.50 tons per reporting period

Total nitrogen from manure: 742,560.59 lbs per reporting period After ammonia losses (30% loss applied): 519,792.41 lbs per reporting period

Total phosphorus from manure: 121,825.52 lbs per reporting period
Total potassium from manure: 351,391.23 lbs per reporting period
Total salt from manure: 932,337.75 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 23,681,628 gallons

Total nitrogen generated: 65,973.00 lbs

Total phosphorus generated: 14,148.41 lbs

Total potassium generated: 134,015.67 lbs

Total salt generated: 720,039.21 lbs

23,681,628 gallons applied
+ 0 gallons exported
- 0 gallons imported
= 23,681,628 gallons generated

D. FRESH WATER SOURCES

Source Description	Туре
Dom 1	Ground water
Dom 2	Ground water
Dom 3	Ground water
Well 4	Ground water
Well 5	Ground water

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

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

06/24/2024 13:37:32 Page 3 of 46

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

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Field A East	42	18	2	process wastewater	0293-0260-0005-0000
Field A West	48	23	2	process wastewater	0293-0260-0005-0000
Field B	40	40	2	process wastewater	0293-0250-0001-0000
					0293-0250-0002-0000
					0293-0250-0003-0000
					0293-0250-0004-0000
Field C	39	15	2	process wastewater	0293-0260-0005-0000
Field D	33	9	2	process wastewater	0293-0260-0005-0000
Field E	75	75	2	process wastewater	0293-0025-0005-0000
					0293-0025-0009-0000
					0293-0025-0010-0000
Totals for areas that were used for application	277	180	12		
Totals for areas that were not used for application					
Land application area totals	277	180	12		

B. CROPS AND HARVESTS

ld name: Field A	East									
/04/2022: Wheat	, silage, boot stage	9								
Crop: Wheat, sila	age, boot stage						Acres planted:	18	Plant date: 11/0	04/2022
Harvest date	Yield	Reporting bas	sis Density (lbs/cu	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
05/03/2023	325.00 ton	As-is		61.3	6,900.00	2,900.00	10,500.00		8.30	
	Yield	d (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)			
	st content	18.00	198.00	100.80	381.60		0.00			
Anticipated harve	ot oonton									

06/24/2024 13:37:32 Page 4 of 46

Field A East 05/21/2023: Milo Acres planted: 18 Plant date: 05/21/2023 Crop: Milo Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) TFS (%) 09/07/2023 382.00 ton As-is 77.4 4,000.00 1,200.00 8,100.00 11.10 Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Salt (lbs/acre) Total K (lbs/acre) Anticipated harvest content 20.00 180.00 56.00 404.00 0.00 Total actual harvest content 21.22 169.78 50.93 343.80 1,064.76 Field A West Field name: Field A West 11/04/2022: Wheat, silage, boot stage 23 Plant date: 11/04/2022 Acres planted: Crop: Wheat, silage, boot stage Yield Reporting basis Harvest date Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) TFS (%) 05/03/2023 3.900.00 2.700.00 525.00 ton As-is 64.5 10.800.00 8.60 Total P (lbs/acre) Yield (tons/acre) Total N (lbs/acre) Total K (lbs/acre) Salt (lbs/acre) Anticipated harvest content 18.00 198.00 100.80 381.60 0.00 Total actual harvest content 22.83 178.04 123.26 493.04 1,393.76 05/25/2023: Milo Crop: Milo Acres planted: 23 Plant date: 05/25/2023 Harvest date Yield Reporting basis Density (lbs/cu ft) TFS (%) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) 09/26/2023 68.0 5,700.00 1,700.00 9,100.00 9.60 558.00 ton As-is Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre) Anticipated harvest content 20.00 180.00 56.00 404.00 0.00 Total actual harvest content

82.49

441.55

1,490.59

24.26

276.57

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

Field B Field name: Field B 11/04/2022: Wheat, silage, boot stage Acres planted: Crop: Wheat, silage, boot stage 40 Plant date: 11/04/2022 Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) Salt (mg/kg) TFS (%) N (mg/kg) P (mg/kg) K (mg/kg) 05/03/2023 788.50 ton As-is 59.8 6,200.00 3,000.00 12,200.00 7.60 Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre) Anticipated harvest content 18.00 198.00 100.80 381.60 0.00 Total actual harvest content 480.99 19.71 244.44 118.28 1,204.51 05/25/2023: Milo Acres planted: 40 Plant date: 05/25/2023 Crop: Milo K (mg/kg) Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) Salt (mg/kg) TFS (%) 09/26/2023 899.00 ton As-is 68.4 5,600.00 1,700.00 8,800.00 10.10 Total N (lbs/acre) Total P (lbs/acre) Salt (lbs/acre) Yield (tons/acre) Total K (lbs/acre) Anticipated harvest content 22.00 198.00 61.60 444.40 0.00 Total actual harvest content 22.48 251.72 76.42 395.56 1,434.62

04/2022: Wheat,	silage, boo	ot stage										
Crop: Wheat, sila	ge, boot sta	age							Acres planted	:15	Plant date: 11	/04/2022
Harvest date		Yield	Reporting bas	sis Density (lbs/	cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	

113.67

388.67

1,137.40

Total actual harvest content

18.33

205.33

Field C 05/21/2023: Milo Acres planted: 15 Plant date: 05/21/2023 Crop: Milo Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) TFS (%) 09/07/2023 357.00 ton As-is 70.2 5,700.00 1,800.00 11,000.00 12.20 Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Salt (lbs/acre) Total K (lbs/acre) Anticipated harvest content 20.00 180.00 56.00 404.00 0.00 Total actual harvest content 23.80 271.32 85.68 523.60 1,730.55 Field D Field name: Field D 11/04/2022: Wheat, silage, boot stage 9 Plant date: 11/04/2022 Acres planted: Crop: Wheat, silage, boot stage Yield Reporting basis Harvest date Density (lbs/cu ft) Moisture (%) P (mg/kg) Salt (mg/kg) TFS (%) N (mg/kg) K (mg/kg) 05/03/2023 6.100.00 2.800.00 9.700.00 164.00 ton As-is 65.7 11.70 Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre) Anticipated harvest content 18.00 198.00 100.80 381.60 0.00 Total actual harvest content 18.22 222.31 102.04 353.51 1,462.55 05/21/2023: Milo Crop: Milo Acres planted: 9 Plant date: 05/21/2023 Harvest date Yield Reporting basis Density (lbs/cu ft) Salt (mg/kg) TFS (%) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) 09/07/2023 67.1 5,500.00 1,800.00 10,300.00 10.50 201.00 ton As-is Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre) Anticipated harvest content 20.00 180.00 56.00 404.00 0.00

80.40

460.07

1,543.01

Total actual harvest content

22.33

245.67

06/24/2024 13:37:32 Page 7 of 46

Field E Field name: Field E 11/04/2022: Wheat, silage, boot stage Acres planted: 75 Plant date: 11/04/2022 Crop: Wheat, silage, boot stage Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) TFS (%) 05/03/2023 8.30 1,667.00 ton As-is 60.9 6,600.00 3,000.00 11,400.00 Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre) Anticipated harvest content 18.00 198.00 100.80 381.60 0.00 Total actual harvest content 22.23 133.36 1,442.64 293.39 506.77 05/25/2023: Milo Acres planted: 75 Plant date: 05/25/2023 Crop: Milo TFS (%) Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) 09/26/2023 1,675.00 ton As-is 71.1 4,800.00 1,600.00 9,500.00 10.60 Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)

56.00

71.47

404.00

424.33

0.00

1,368.32

Anticipated harvest content

Total actual harvest content

20.00

22.33

180.00

214.40

06/24/2024 13:37:32 Page 8 of 46

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

NUTRIENT BUDGET

A. LAND APPLICATIONS

eld name: Field A East								
op: Wheat, silage, boot stage						Pla	ant date: 11/04/2022	
pplication date Application method		Precipitation 24 ho	ours prior	Precipitation d	uring applicatio	n Precipitati	on 24 hours following	
11/07/2022 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Well 5	Ground water		4.57	0.00	0.00	773.07	2,818,611.00 <i>gal</i>	
Application event totals			4.57	0.00	0.00	773.07		
12/06/2022 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon	Process wastewater		57.76	8.91	134.38	609.81	469,769.00 gal	
Well 5	Ground water		2.29	0.00	0.00	386.53	1,409,306.00 gal	
Application event totals			60.04	8.91	134.38	996.35		
02/09/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon	Process wastewater		72.83	17.38	145.70	801.47	469,769.00 gal	
Well 5	Ground water		3.05	0.00	0.00	515.38	1,879,074.00 gal	
Application event totals			75.88	17.38	145.70	1,316.85		
04/19/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon	Process wastewater		72.83	17.38	145.70	801.47	469,769.00 gal	
Well 5	Ground water		2.67	0.00	0.00	450.96	1,644,190.00 gal	
Application event totals			75.50	17.38	145.70	1,252.42		

Field A East - 05/21/2023: Milo

06/24/2024 13:37:32 Page 9 of 46

Field A East - 05/21/2023: Milo Field name: Field A East Crop: Milo Plant date: 05/21/2023 Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following No precipitation 05/25/2023 Surface (irrigation) No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Lagoon Process wastewater 24.88 5.55 50.20 274.41 117.442.00 gal Well 5 0.00 0.00 644.22 2,348,843.00 gal Ground water 3.81 Application event totals 5.55 918.64 28.69 50.20 06/16/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Well 5 Ground water 3.24 0.00 0.00 547.59 1,996,516.00 gal Application event totals 3.24 0.00 0.00 547.59 07/05/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Material type Amount 2,113,958.00 gal Well 5 Ground water 3.43 0.00 0.00 579.80 Application event totals 0.00 3.43 0.00 579.80 08/01/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type K (lbs/acre) Salt (lbs/acre) N (lbs/acre) P (lbs/acre) Amount Lagoon Process wastewater 17.84 3.95 40.38 207.77 140,931.00 gal Well 5 3.05 0.00 0.00 Ground water 515.38 1,879,074.00 gal Application event totals 3.95 20.89 40.38 723.15 08/24/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) Salt (lbs/acre) Amount K (lbs/acre) Process wastewater 37.32 60.22 381.13 234,884.00 gal Lagoon 6.77 Well 5 Ground water 3.05 0.00 0.00 515.38 1,879,074.00 gal Application event totals 40.37 6.77 60.22 896.51

Field A West - 11/04/2022: Wheat, silage, boot stage

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

eld name: Fiel	d A West									
op: Whe	eat, silage, boot stage						Pla	ant date: 11/04/2022		
Application date	Application method		Precipitation 24 ho	ours prior	Precipitation d	uring applicatio	n Precipitati	on 24 hours following		
11/05/2022	Pipeline		No precipitation		No precipitation	n	No precipi	No precipitation		
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Lagoon		Process wastewater		29.39	4.53	68.39	310.35	305,485.00 gal		
Well 5		Ground water		4.19	0.00	0.00	708.18	3,299,241.00 gal		
Application eve	ent totals			33.58	4.53	68.39	1,018.52			
12/04/2022	94/2022 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation		
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Well 5		Ground water		3.10	0.00	0.00	524.57	2,443,883.00 gal		
Application eve	ent totals			3.10	0.00	0.00	524.57			
02/07/2023	Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation		
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Lagoon		Process wastewater		55.60	13.27	111.23	611.83	458,228.00 gal		
Well 5		Ground water		2.13	0.00	0.00	360.64	1,680,169.00 gal		
Application eve	ent totals			57.73	13.27	111.23	972.47			
04/17/2023	Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation		
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Lagoon		Process wastewater		37.06	8.84	74.15	407.88	305,485.00 gal		
Well 5		Ground water		2.72	0.00	0.00	459.00	2,138,397.00 gal		
Application eve	ent totals			39.78	8.84	74.15	866.89			

Field A West - 05/25/2023: Milo			
Field name: Field A West			
Crop: Milo			Plant date: 05/25/2023
Application date Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

06/24/2024 13:37:32 Page 11 of 46

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

pplication date Application method		Precipitation 24 hours prior	Precipitation of	luring application	n Precipitati	on 24 hours following		
05/23/2023 Surface (irrigation)		No precipitation	No precipitation	on	No precip	itation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour		
Lagoon	Process wastewater	126.63	28.26	255.48	1,396.56	763,713.00 gal		
Well 5	Ground water	3.88	0.00	0.00	655.72	3,054,853.00 gal		
Application event totals		130.51	28.26	255.48	2,052.28			
06/15/2023 Surface (irrigation)		No precipitation	No precipitation	on	No precip	itation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour		
Well 5	Ground water	3.30	0.00	0.00	557.36	2,596,625.00 gal		
Application event totals		3.30	0.00	0.00	557.36			
07/04/2023 Surface (irrigation)		No precipitation		on	No precip	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Well 5	Ground water	3.10	0.00	0.00	524.57	2,443,883.00 gal		
Application event totals		3.10	0.00	0.00	524.57			
07/31/2023 Surface (irrigation)		No precipitation	No precipitation	on	No precipitation			
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Lagoon	Process wastewater	60.54	13.39	137.00	704.93	610,971.00 <i>gal</i>		
Well 5	Ground water	3.10	0.00	0.00	524.57	2,443,883.00 gal		
Application event totals		63.64	13.39	137.00	1,229.50			
08/23/2023 Surface (irrigation)		No precipitation	No precipitation	on	No precip	itation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou		
Lagoon	Process wastewater	37.98	6.89	61.29	387.93	305,485.00 gal		
Well 5	Ground water	3.10	0.00	0.00	524.57	2,443,883.00 gal		
Application event totals		41.09	6.89	61.29	912.51			

Field B - 11/04/2022: Wheat, silage, boot stage

Field name: Field B

Crop: Wheat, silage, boot stage Plant date: 11/04/2022

Reporting period 01/01/2023 to	12/31/202

Application date Application method		Precipitation 24 hours prior Pre		Precipitation during application		on Precipitati	Precipitation 24 hours following	
11/09/2022 Surface (irrigation)		No precipitation		No precipitation		No precipitation		
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Well 5	Ground water		5.16	0.00	0.00	871.38	7,060,105.00 gal	
Application event totals			5.16	0.00	0.00	871.38		
12/08/2022 Surface (irrigation)		No precipitation		No precipitation	on	No precipi	tation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon	Process wastewater		60.09	9.27	139.81	634.49	1,086,170.00 gal	
Well 5	Ground water		2.97	0.00	0.00	502.72	4,073,138.00 gal	
Application event totals			63.07	9.27	139.81	1,137.20		
02/11/2023 Surface (irrigation)		No precipitation		No precipitation	on	No precipi	tation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoui	
Lagoon	Process wastewater		75.78	18.08	151.60	833.90	1,086,170.00 gal	
Well 5	Ground water		2.78	0.00	0.00	469.20	3,801,595.00 gal	
Application event totals			78.55	18.08	151.60	1,303.10		
04/21/2023 Surface (irrigation)		No precipitation		No precipitation	on	No precipi	tation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon	Process wastewater		37.89	9.04	75.80	416.95	543,085.00 gal	
Well 5	Ground water		3.17	0.00	0.00	536.23	4,344,680.00 gal	
Application event totals			41.06	9.04	75.80	953.18		

Field B - 05/25/2023: Milo			
Field name: Field B			
Crop: Milo			Plant date: 05/25/2023
Application date Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

06/24/2024 13:37:32 Page 13 of 46

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

application date Application method		Precipitation 24 hours prior	Precipitation during application		n Precipitati	Precipitation 24 hours following	
05/27/2023 Surface (irrigation)		No precipitation	No precipitation	n	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon	Process wastewater	103.56	23.11	208.93	1,142.08	1,086,170.00 gal	
Well 5	Ground water	4.16	0.00	0.00	703.80	5,702,393.00 gal	
Application event totals		107.72	23.11	208.93	1,845.88		
06/18/2023 Surface (irrigation)		No precipitation No p		n	No precip	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Well 5	Ground water	3.57	0.00	0.00	603.26	4,887,765.00 gal	
Application event totals		3.57	0.00	0.00	603.26		
07/07/2023 Surface (irrigation)		No precipitation N		No precipitation		tation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Well 5	Ground water	3.57	0.00	0.00	603.26	4,887,765.00 gal	
Application event totals		3.57	0.00	0.00	603.26		
08/03/2023 Surface (irrigation)		No precipitation	No precipitation	n	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon	Process wastewater	30.94	6.84	70.02	360.30	543,085.00 gal	
Well 5	Ground water	3.37	0.00	0.00	569.75	4,616,223.00 gal	
Application event totals		34.31	6.84	70.02	930.04		
08/26/2023 Surface (irrigation)		No precipitation	No precipitation	n	No precip	tation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon	Process wastewater	58.24	10.57	93.98	594.83	814,628.00 gal	
Well 5	Ground water	3.17	0.00	0.00	536.23	4,344,680.00 gal	
Application event totals		61.41	10.57	93.98	1,131.06		

Field C -	11/04/2022:	Wheat.	silage.	boot stage
i ioia o	11/01/2022.	vviicut,	unage,	Door orago

Field name: Field C

Crop: Wheat, silage, boot stage Plant date: 11/04/2022

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

Application date Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
11/11/2022 Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour
Well 5	Ground water		4.89	0.00	0.00	826.69	2,511,768.00 gal
Application event totals			4.89	0.00	0.00	826.69	-
12/09/2022 Surface (irrigation)		No precipitation	n No precipitation		No precipi	No precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		29.65	4.57	68.97	313.01	200,941.00 gal
Well 5	Ground water		2.93	0.00	0.00	496.01	1,507,061.00 <i>gal</i>
Application event totals			32.58	4.57	68.97	809.03	
02/12/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		74.77	17.84	149.58	822.78	401,883.00 gal
Well 5	Ground water		2.74	0.00	0.00	462.95	1,406,590.00 gal
Application event totals			77.50	17.84	149.58	1,285.72	
04/22/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	tation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		37.38	8.92	74.79	411.39	200,941.00 gal
Well 5	Ground water		3.13	0.00	0.00	529.08	1,607,532.00 gal
Application event totals			40.51	8.92	74.79	940.47	

Field C - 05/21/2023: Milo			
Field name: Field C			
Crop: Milo			Plant date: 05/21/2023
Application date	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

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

pplication date Application method		Precipitation 24 hours prior	Precipitation d	Precipitation during application		on 24 hours following	
05/29/2023 Surface (irrigation)		No precipitation	No precipitation		No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon	Process wastewater	102.18	22.81	206.14	1,126.85	401,883.00 gal	
Well 5	Ground water	4.30	0.00	0.00	727.49	2,210,356.00 gal	
Application event totals		106.48	22.81	206.14	1,854.34		
06/20/2023 Surface (irrigation)		No precipitation No p		n	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Well 5	Ground water	3.52	0.00	0.00	595.22	1,808,473.00 gal	
Application event totals		3.52	0.00	0.00	595.22		
07/09/2023 Surface (irrigation)		No precipitation N		No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Well 5	Ground water	3.52	0.00	0.00	595.22	1,808,473.00 gal	
Application event totals		3.52	0.00	0.00	595.22		
08/05/2023 Surface (irrigation)		No precipitation	No precipitation	n	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon	Process wastewater	61.06	13.50	138.17	710.99	401,883.00 gal	
Well 5	Ground water	3.33	0.00	0.00	562.15	1,708,002.00 <i>gal</i>	
Application event totals		64.39	13.50	138.17	1,273.14		
08/28/2023 Surface (irrigation)		No precipitation	No precipitation	n	No precipi	tation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon	Process wastewater	57.47	10.43	92.73	586.90	301,412.00 gal	
Well 5	Ground water	3.13	0.00	0.00	529.08	1,607,532.00 <i>gal</i>	
Application event totals		60.60	10.43	92.73	1,115.98		

Field name: Field D

Crop: Wheat, silage, boot stage Plant date: 11/04/2022

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

Application date Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
11/12/2021 Pipeline		No precipitation		No precipitation		No precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour
Well 5	Ground water		4.12	0.00	0.00	696.36	1,269,461.00 gal
Application event totals			4.12	0.00	0.00	696.36	•
12/10/2022 Surface (irrigation)		No precipitation		No precipitation	on	No precipit	ation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		56.76	8.75	132.05	599.24	230,811.00 gal
Well 5	Ground water		3.00	0.00	0.00	506.44	923,245.00 gal
Application event totals			59.75	8.75	132.05	1,105.68	
02/13/2023 Surface (irrigation)		No precipitation		No precipitation	on	No precipit	ation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		71.57	17.08	143.17	787.57	230,811.00 gal
Well 5	Ground water		2.25	0.00	0.00	379.83	692,433.00 gal
Application event totals			73.81	17.08	143.17	1,167.40	
04/23/2023 Surface (irrigation)		No precipitation		No precipitation	on	No precipit	ation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		71.57	17.08	143.17	787.57	230,811.00 <i>gal</i>
Well 5	Ground water		2.43	0.00	0.00	411.48	750,136.00 <i>gal</i>
Application event totals			74.00	17.08	143.17	1,199.05	

Field D - 05/21/2023: Milo			
Field name: Field D			
Crop: Milo			Plant date: 05/21/2023
Application date Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

pplication date	e Application method		Precipitation 24 hours prior	Precipitation of	luring application	n Precipitation	Precipitation 24 hours following No precipitation	
05/30/2023	Surface (irrigation)	rrigation) No precipitation		No precipitation	on	No precipi		
Source descrip	otion	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Lagoon		Process wastewater	97.80	21.83	197.32	1,078.63	230,811.00 gal	
Well 5		Ground water	3.75	0.00	0.00	633.05	1,154,056.00 <i>gal</i>	
Application eve	ent totals		101.55	21.83	197.32	1,711.68		
06/21/2023	Surface (irrigation)		No precipitation	No precipitation	on	No precipi	tation	
Source descrip	otion	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Well 5		Ground water	3.37	0.00	0.00	569.75	1,038,650.00 gal	
Application eve	ent totals		3.37	0.00	0.00	569.75	_	
07/10/2023	Surface (irrigation)	No precipitation N		No precipitation		No precipi	No precipitation	
Source descrip	otion	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Well 5		Ground water	3.18	0.00	0.00	538.09	980,947.00 <i>gal</i>	
Application eve	ent totals		3.18	0.00	0.00	538.09		
08/06/2023	Surface (irrigation)		No precipitation	No precipitation		No precipi	No precipitation	
Source descrip	otion	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon		Process wastewater	58.45	12.93	132.26	680.56	230,811.00 gal	
Well 5		Ground water	3.18	0.00	0.00	538.09	980,947.00 gal	
Application ev	ent totals		61.63	12.93	132.26	1,218.65		
08/29/2023	Surface (irrigation)	No precipitation		No precipitation		No precipi	tation	
Source descrip	otion	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon		Process wastewater	36.67	6.66	59.17	374.52	115,406.00 <i>gal</i>	
Well 5		Ground water	3.00	0.00	0.00	506.44	923,245.00 gal	
Application eve	ent totals		39.67	6.66	59.17	880.97		

Eiold E	11/04/2022	\A/boot	oilogo	hoot	otogo
rieiu E -	11/04/2022:	vviicai,	siiaye,	טטטנ	Slaye

Field name: Field E

Crop: Wheat, silage, boot stage Plant date: 11/04/2022

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

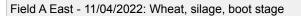
pplication date Application method		Precipitation 24 ho	ours prior	Precipitation d	uring application	n Precipitati	on 24 hours following
11/12/2022 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	itation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour
Well 5	Ground water		4.96	0.00	0.00	837.86	12,728,555.00 gal
Application event totals			4.96	0.00	0.00	837.86	•
12/10/2022 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	itation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		60.09	9.27	139.81	634.49	2,036,569.00 gal
Well 5	Ground water		3.37	0.00	0.00	569.75	8,655,417.00 gal
Application event totals			63.47	9.27	139.81	1,204.23	
02/13/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	itation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		113.66	27.12	227.40	1,250.84	3,054,853.00 gal
Well 5	Ground water		3.17	0.00	0.00	536.23	8,146,275.00 gal
Application event totals			116.84	27.12	227.40	1,787.08	
04/23/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precipi	itation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Lagoon	Process wastewater		94.72	22.60	189.50	1,042.37	2,545,711.00 gal
Well 5	Ground water		3.17	0.00	0.00	536.23	8,146,275.00 gal
Application event totals			97.89	22.60	189.50	1,578.60	

Field E - 05/25/2023: Milo			
Field name: Field E			
Crop: Milo			Plant date: 05/25/2023
Application date Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

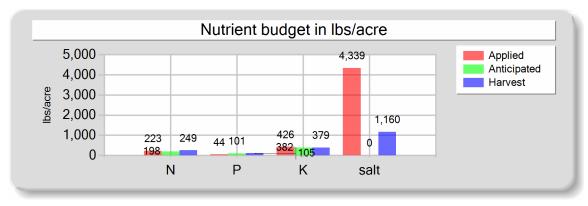
Application date	Application method Surface (irrigation)		· ·		Precipitation d	Precipitation during application		Precipitation 24 hours following No precipitation	
05/30/2023					No precipitation		No precip		
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon		Process wastewater		51.78	11.56	104.46	571.04	1,018,284.00 gal	
Well 5		Ground water		4.36	0.00	0.00	737.32	11,201,128.00 <i>gal</i>	
Application ev	ent totals			56.14	11.56	104.46	1,308.36		
06/21/2023	Surface (irrigation)		No precipitation		No precipitation	n	No precip	itation	
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Well 5		Ground water		3.57	0.00	0.00	603.26	9,164,559.00 gal	
Application ev	ent totals			3.57	0.00	0.00	603.26		
07/10/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation		
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Well 5		Ground water		3.57	0.00	0.00	603.26	9,164,559.00 gal	
Application ev	ent totals			3.57	0.00	0.00	603.26		
08/06/2023	Surface (irrigation)		No precipitation		No precipitation	n	No precip	itation	
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon		Process wastewater		30.94	6.84	70.02	360.30	1,018,284.00 <i>gal</i>	
Well 5		Ground water		3.57	0.00	0.00	603.26	9,164,559.00 gal	
Application eve	ent totals			34.51	6.84	70.02	963.56		
08/29/2023	Surface (irrigation)		No precipitation		No precipitation	n	No precip	itation	
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Lagoon		Process wastewater		38.83	7.05	62.66	396.55	1,018,284.00 gal	
Well 5		Ground water		3.37	0.00	0.00	569.75	8,655,417.00 gal	
Application eve	ent totals			42.20	7.05	62.66	966.30		

06/24/2024 13:37:32 Page 20 of 46

B. NUTRIENT BUDGET



Field name: Field A East Crop: Wheat, silage, boot stage Plant date: 11/04/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	203.42	43.67	425.78	2,212.75
Fresh water	12.58	0.00	0.00	2,125.93
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	222.99	43.67	425.78	4,338.68
Anticipated crop nutrient removal	198.00	100.80	381.60	0.00
Actual crop nutrient removal	249.17	104.72	379.17	1,159.93
Nutrient balance	-26.17	-61.06	46.61	3,178.76
Applied to removed ratio	0.89	0.42	1.12	3.74

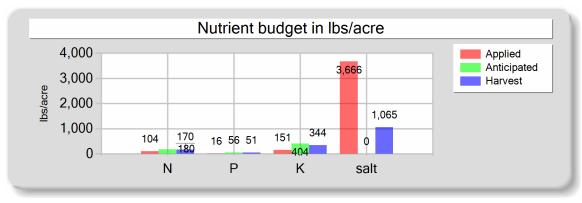
Fresh water applied
7,751,181.00 gallons
285.45 acre-inches
15.86 inches/acre

Process wastewater applied
1,409,307.00 gallons
51.90 acre-inches
2.88 inches/acre
Total harvests for the cron

1 harvests

06/24/2024 13:37:32 Page 21 of 46





	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	80.04	16.27	150.80	863.32
Fresh water	16.58	0.00	0.00	2,802.37
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	103.62	16.27	150.80	3,665.69
Anticipated crop nutrient removal	180.00	56.00	404.00	0.00
Actual crop nutrient removal	169.78	50.93	343.80	1,064.76
Nutrient balance	-66.15	-34.66	-193.00	2,600.93
Applied to removed ratio	0.61	0.32	0.44	3.44

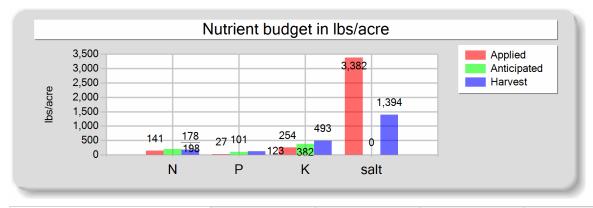
Process wastewater applied
493,257.00 gallons
18.16 acre-inches
1.01 inches/acre
Total harvests for the crop

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			1	har	vests	3

06/24/2024 13:37:32 Page 22 of 46

Field A West - 11/04/2022: Wheat, silage, boot stage

Field name: Field A West Crop: Wheat, silage, boot stage Plant date: 11/04/2022



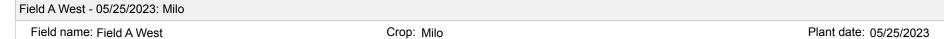
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	122.05	26.65	253.76	1,330.06
Fresh water	12.14	0.00	0.00	2,052.40
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	141.20	26.65	253.76	3,382.45
Anticipated crop nutrient removal	198.00	100.80	381.60	0.00
Actual crop nutrient removal	178.04	123.26	493.04	1,393.76
Nutrient balance	-36.85	-96.62	-239.28	1,988.69
Applied to removed ratio	0.79	0.22	0.51	2.43

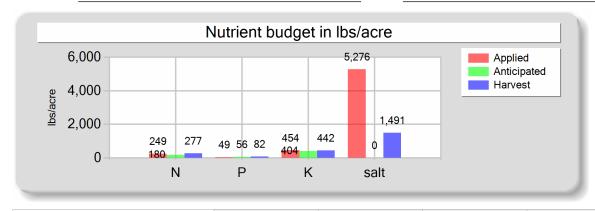
Fresh water applied			
9,561,690.00 gallons			
352.12 acre-inches			
15.31 inches/acre			

Process wastewater applied			
1,069,198.00 gallons			
39.37 acre-inches			
1.71 inches/acre			

lotal narvests	tor	tne crop	
	1	harvests	

06/24/2024 13:37:32 Page 23 of 46





	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	225.16	48.55	453.77	2,489.42
Fresh water	16.49	0.00	0.00	2,786.80
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	248.64	48.55	453.77	5,276.22
Anticipated crop nutrient removal	180.00	56.00	404.00	0.00
Actual crop nutrient removal	276.57	82.49	441.55	1,490.59
Nutrient balance	-27.93	-33.94	12.22	3,785.64
Applied to removed ratio	0.90	0.59	1.03	3.54

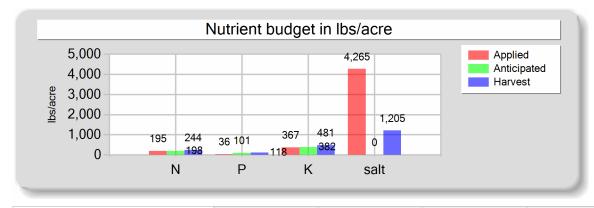
Fresh water applied
12,983,127.00 gallons
478.12 acre-inches
20.79 inches/acre

Process wastewater applied
1,680,169.00 gallons
61.87 acre-inches
2.69 inches/acre

06/24/2024 13:37:32 Page 24 of 46

Field B - 11/04/2022: Wheat, silage, boot stage

Field name: Field B Crop: Wheat, silage, boot stage Plant date: 11/04/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	173.76	36.39	367.21	1,885.33
Fresh water	14.08	0.00	0.00	2,379.53
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	194.84	36.39	367.21	4,264.86
Anticipated crop nutrient removal	198.00	100.80	381.60	0.00
Actual crop nutrient removal	244.44	118.28	480.99	1,204.51
Nutrient balance	-49.60	-81.88	-113.78	3,060.35
Applied to removed ratio	0.80	0.31	0.76	3.54

Fresh water applied
19,279,518.00 gallons
710.00 acre-inches
17.75 inches/acre

Process wastewater applied			
2,715,425.00 gallons			
100.00 acre-inches			
2.50 inches/acre			

Total harvests for the crop

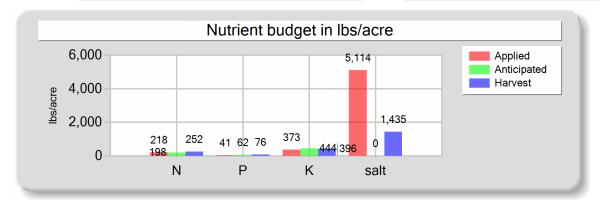
1 harvests

Field B - 05/25/2023: Milo

Field name: Field B

Crop: Milo

Plant date: 05/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	192.74	40.53	372.93	2,097.20
Fresh water	17.84	0.00	0.00	3,016.30
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	217.59	40.53	372.93	5,113.51
Anticipated crop nutrient removal	198.00	61.60	444.40	0.00
Actual crop nutrient removal	251.72	76.42	395.56	1,434.62
Nutrient balance	-34.13	-35.89	-22.63	3,678.88
Applied to removed ratio	0.86	0.53	0.94	3.56

Fresh water applied
24,438,826.00 gallons
900.00 acre-inches
22.50 inches/acre

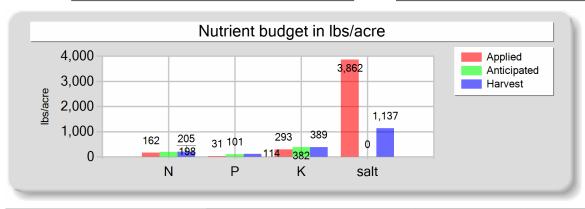
Process wastewater applied			
2,443,883.00 gallons			
90.00 acre-inches			
2.25 inches/acre			

Total harvests for the crop

1 harvests

Field C - 11/04/2022: Wheat, silage, boot stage

Field name: Field C Crop: Wheat, silage, boot stage Plant date: 11/04/2022

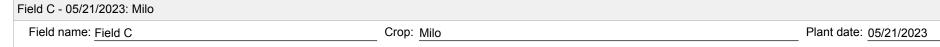


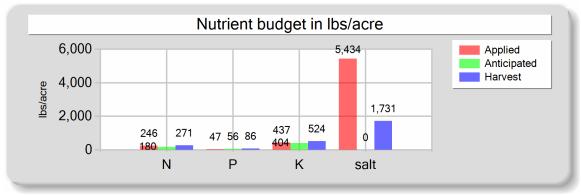
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	141.79	31.33	293.34	1,547.18
Fresh water	13.69	0.00	0.00	2,314.73
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	162.49	31.33	293.34	3,861.91
Anticipated crop nutrient removal	198.00	100.80	381.60	0.00
Actual crop nutrient removal	205.33	113.67	388.67	1,137.40
Nutrient balance	-42.84	-82.33	-95.33	2,724.51
Applied to removed ratio	0.79	0.28	0.75	3.40

Fresh water applied				
7,032,951.00 gallons				
259.00 acre-inches				
17.27 inches/acre				

Process	wastewater applied
803	3,765.00 <i>gallons</i>
	29.60 acre-inches
	1.97 inches/acre
Total har	vests for the crop

TOtal	iiai vesis	101	ше стор
		1	harvests





	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	220.70	46.74	437.04	2,424.73
Fresh water	17.80	0.00	0.00	3,009.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	245.50	46.74	437.04	5,433.89
Anticipated crop nutrient removal	180.00	56.00	404.00	0.00
Actual crop nutrient removal	271.32	85.68	523.60	1,730.55
Nutrient balance	-25.82	-38.94	-86.56	3,703.34
Applied to removed ratio	0.90	0.55	0.83	3.14

Fresh water applied				
9,142,836.00 gallons				
336.70 acre-inches				
22.45 inches/acre				

Process wastewater applied
1,105,178.00 gallons
40.70 acre-inches
2.71 inches/acre

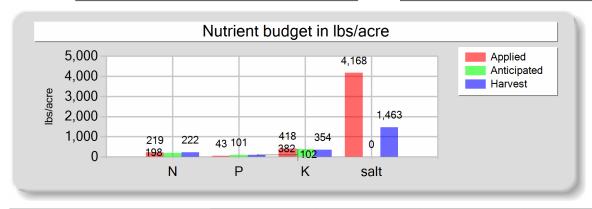
Total harvests for the crop

1 harvests

06/24/2024 13:37:32 Page 28 of 46

Field D - 11/04/2022: Wheat, silage, boot stage

Field name: Field D Crop: Wheat, silage, boot stage Plant date: 11/04/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	199.89	42.91	418.40	2,174.37
Fresh water	11.80	0.00	0.00	1,994.11
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	218.69	42.91	418.40	4,168.48
Anticipated crop nutrient removal	198.00	100.80	381.60	0.00
Actual crop nutrient removal	222.31	102.04	353.51	1,462.55
Nutrient balance	-3.63	-59.13	64.88	2,705.93
Applied to removed ratio	0.98	0.42	1.18	2.85

Fresh water applied
3,635,275.00 gallons
133.87 acre-inches
14.87 inches/acre

Process wastewater applied
692,433.00 gallons
25.50 acre-inches
2.83 inches/acre

Total harvests for the crop
1 harvests

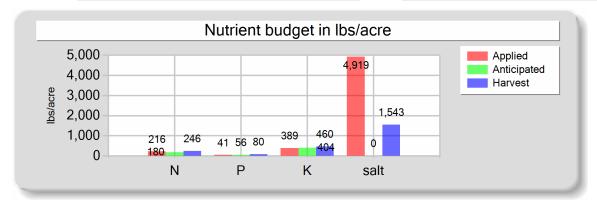
06/24/2024 13:37:32 Page 29 of 46

Field D - 05/21/2023: Milo

Field name: Field D

Crop: Milo

Plant date: 05/21/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	192.92	41.41	388.76	2,133.71
Fresh water	16.48	0.00	0.00	2,785.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	216.40	41.41	388.76	4,919.14
Anticipated crop nutrient removal	180.00	56.00	404.00	0.00
Actual crop nutrient removal	245.67	80.40	460.07	1,543.01
Nutrient balance	-29.27	-38.99	-71.31	3,376.13
Applied to removed ratio	0.88	0.52	0.84	3.19

Fresh water applied							
5,077,845.00 gallons							
187.00 acre-inches							
20.78 inches/acre							

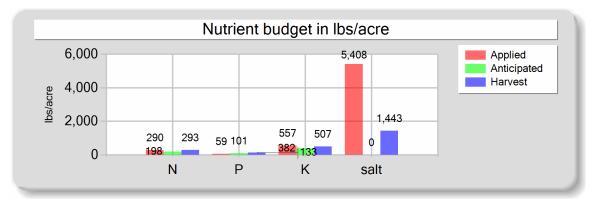
Process wastewater applied
577,028.00 gallons
21.25 acre-inches
2.36 inches/acre

Total harvests for the crop

06/24/2024 13:37:32 Page 30 of 46

Field E - 11/04/2022: Wheat, silage, boot stage

Field name: Field E Crop: Wheat, silage, boot stage Plant date: 11/04/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	268.48	59.00	556.71	2,927.70
Fresh water	14.67	0.00	0.00	2,480.07
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	290.15	59.00	556.71	5,407.77
Anticipated crop nutrient removal	198.00	100.80	381.60	0.00
Actual crop nutrient removal	293.39	133.36	506.77	1,442.64
Nutrient balance	-3.24	-74.36	49.94	3,965.13
Applied to removed ratio	0.99	0.44	1.10	3.75

Fresh water applied							
37,676,522.00 gallons							
1,387.50 acre-inches							
18.50 inches/acre							

Process wastewater applied							
7,637,133.00 gallons							
281.25 acre-ind	ches						
3.75 inches/a	acre						

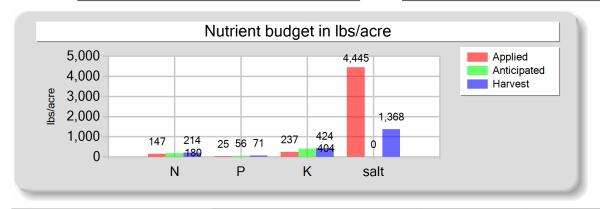
06/24/2024 13:37:32 Page 31 of 46

Field E - 05/25/2023: Milo

Field name: Field E

Crop: Milo

Plant date: 05/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	121.55	25.45	237.14	1,327.89
Fresh water	18.44	0.00	0.00	3,116.85
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	146.99	25.45	237.14	4,444.73
Anticipated crop nutrient removal	180.00	56.00	404.00	0.00
Actual crop nutrient removal	214.40	71.47	424.33	1,368.32
Nutrient balance	-67.41	-46.02	-187.19	3,076.42
Applied to removed ratio	0.69	0.36	0.56	3.25

Fresh water applied
47,350,222.00 gallons
1,743.75 acre-inches
23.25 inches/acre

Process wastewater applied
3,054,852.00 gallons
112.50 acre-inches
1.50 inches/acre

06/24/2024 13:37:32 Page 32 of 46

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

211017										
Sample a	nd source descr	iption: 22I10	17							
Sample date: 09/14/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As										eporting: As-is
Moisture:	50.4	%								
	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,700.00	2,600.00	11,900.00	10,100.00	3,700.00	3,600.00	2,100.00	400.00		0.00
DL	0.10	0.01	0.01	1.00	0.01	0.01	0.01	0.01		10.00

23E0423										
Sample a	and source de	scription: 23E0	0423							
Sample date: 05/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is										
Moisture: 79.1 %										
	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	4,200.00	400.00	1,200.00	2,300.00	600.00	400.00	500.00	0.00		0.00
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10.00

3F0709										
Sample a	nd source descri	ption: 23F07	709							
Sample date: 06/06/2023 Material type: Corral solids Source of analysis: Lab ana									Method of	reporting: As
Moisture: 37.0 %										
	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,200.00	3,300.00	17,400.00	18,400.00	5,600.00	5,300.00	3,300.00	300.00		0.00
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10.00

B. PROCESS WASTEWATER ANALYSES

Ron Verhoeven Family Dairy | 4975 Ave 120 | Corcoran, CA 93212 | Tulare County | Tulare Basin Page 33 of 46 06/24/2024 13:37:32

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

\sim	10462

Sample and source description: 22J0462

Sample date: 10/05/2022 Material type: Process wastewater Source of analysis: Lab analysis pH:

										•					
	Kjeldahl-N	NH4-N	NH3-N	Nitrate-N	Total P	Total K	Calcium	Magnes.	Sodium	Bicarb.	Carb.	Sulfate	Chloride	EC	TDS
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)
Value	263.00	204.00	0.00	2.20	40.90	617.00	183.00	124.00	294.00	1,970.00	0.00	22.40	396.00		2,800
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10

22C0859

Sample and source description: 22C0859

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

								_							
	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Valu	333.00	220.00	0.00	1.40	79.80	669.00									3,680
DL	0.01	0.01	0.01	0.01	0.01	0.01									10

23E0435

Sample and source description: 23E0435

Sample date: 05/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	Kjeldahl-N	NH4-N	NH3-N	Nitrate-N	Total P	Total K	Calcium	Magnes.	Sodium	Bicarb.	Carb.	Sulfate	Chloride		TDS
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)
Value	456.00	263.00	0.00	1.00	102.00	922.00	235.00	147.00	349.00	2,970.00	0.00	70.50	706.00		5,040
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10

23F0717

Sample and source description: 23F0717

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

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	272.00	244.00	0.00	1.10	60.40	618.00	169.00	110.00	261.00	2,410.00	0.00	68.30	423.00		3,180
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10

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

23|1698

Sample and source description: 23I1698

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

ou.np.	0 dato. <u>00/1</u>	20/2020	material t	1 1000	33 Wasiewa	ici			analysis. Et	ab ariaryoio		_			
	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	342.00	242.00	0.00	0.70	62.20	553.00									3,500
DL	0.01	0.01	0.01	0.01	0.01	0.01									10
		•				-									

23L0356

Sample and source description: 23L0356

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

		Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Va	lue	528.00	294.00	0.00	0.40	74.40	728.00									4,350
DL	.	0.01	0.01	0.01	0.01	0.01	0.01									10

C. FRESH WATER ANALYSES

Dom 1

23L0354

Sample description: 23L0354

Sample date: 12/06/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.30			31.00	0.30	62.00	64.50	0.00	30.80	82.70	459.00	
DL	0.01			0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	

Dom 2

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

Dom 2

23L0354

Sample description: 23L0354

Sample date: 12/06/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	7.90			95.30	3.60	101.00	82.10	0.00	95.30	159.00	971.00	
DL	0.01			0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	

Dom 3

23L0354

Sample description: 23L0354

Sample date: 12/06/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00			37.50	0.60	64.00	64.30	0.00	32.30	93.50	503.00	
DL	0.01			0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.00	

Well 4

23L0908

Sample description: 23L0908

Sample date: 12/13/2023 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	27.40										2,050.00	
DL	0.01										10.00	

Well 5

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

Well 5

23L0908

Sample description: 23L0908

Sample date: 12/13/2023 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	3.50										986.00	
DL	0.01										10.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Field A East - 11/04/2022: Wheat, silage, boot stage

23E0426

Sample and source description: 23E0426

Sample date: 05/03/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,900.00	2,900.00	10,500.00		8.30
DL	0.01	0.01	0.01		0.01

Field A East - 05/21/2023: Milo

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

Field A East - 05/21/2023: Milo

2310583

Sample and source description: 23I0583

Sample date: 09/07/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 77.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,000.00	1,200.00	8,100.00		11.10
DL	0.01	0.01	0.01		0.01

Field A West - 11/04/2022: Wheat, silage, boot stage

23E0426

Sample and source description: 23E0426

Sample date: 05/03/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,900.00	2,700.00	10,800.00		8.60
DL	0.01	0.01	0.01		0.01

Field A West - 05/25/2023: Milo

2311714

Sample and source description: 23I1714

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

Moisture: 68.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,700.00	1,700.00	9,100.00		9.60
DL	0.01	0.01	0.01		0.01

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

Field B - 11/04/2022: Wheat, silage, boot stage

23E0426

Sample and source description: 23E0426

Sample date: 05/03/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 59.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,200.00	3,000.00	12,200.00		7.60
DL	0.01	0.01	0.01		0.01

Field B - 05/25/2023: Milo

2311714

Sample and source description: 23I1714

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

Moisture: 68.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,600.00	1,700.00	8,800.00		10.10
DL	0.01	0.01	0.01		0.01

Field C - 11/04/2022: Wheat, silage, boot stage

23E0426

Sample and source description: 23E0426

Sample date: 05/03/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,600.00	3,100.00	10,600.00		9.40
DL	0.01	0.01	0.01		0.01

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

Field C - 05/21/2023: Milo

2310583

Sample and source description: 23I0583

Sample date: 09/07/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,700.00	1,800.00	11,000.00		12.20
DL	0.01	0.01	0.01		0.01

Field D - 11/04/2022: Wheat, silage, boot stage

23E0426

Sample and source description: 23E0426

Sample date: 05/03/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,100.00	2,800.00	9,700.00		11.70
DL	0.01	0.01	0.01		0.01

Field D - 05/21/2023: Milo

2310583

Sample and source description: 2310583

Sample date: 09/07/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,500.00	1,800.00	10,300.00		10.50
DL	0.01	0.01	0.01		0.01

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

Field E - 11/04/2022: Wheat, silage, boot stage

23E0426

Sample and source description: 23E0426

Sample date: 05/03/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,600.00	3,000.00	11,400.00		8.30
DL	0.01	0.01	0.01		0.01

Field E - 05/25/2023: Milo

2311714

Sample and source description: 23I1714

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

Moisture: 71.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	1,600.00	9,500.00		10.60
DL	0.01	0.01	0.01		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

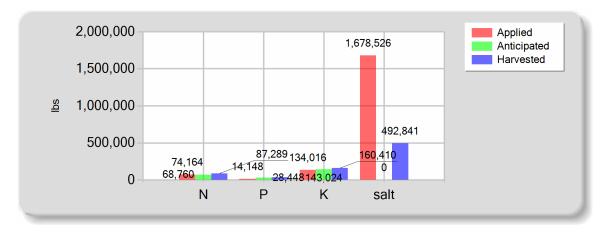
Ron Verhoeven Family Dairy | 4975 Ave 120 | Corcoran, CA 93212 | Tulare County | Tulare Basin

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

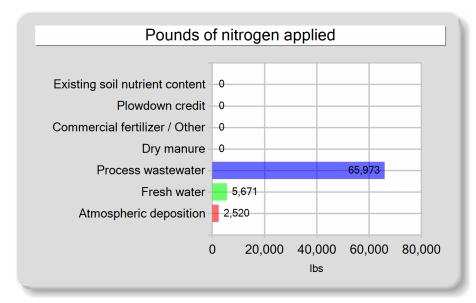
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

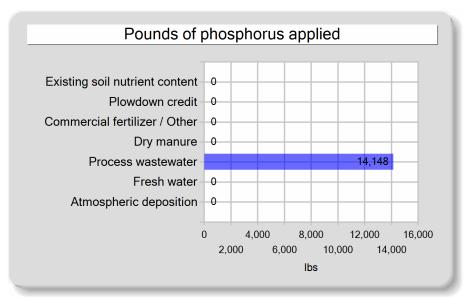
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	65,973.00	14,148.41	134,015.67	720,039.21
Fresh water	5,670.56	0.00	0.00	958,486.97
Atmospheric deposition	2,520.00	0.00	0.00	0.00
Total nutrients applied	74,163.56	14,148.41	134,015.67	1,678,526.18
Anticipated crop nutrient removal	68,760.00	28,448.00	143,024.00	0.00
Actual crop nutrient removal	87,289.40	35,315.80	160,409.60	492,841.29
Nutrient balance	-13,125.84	-21,167.39	-26,393.93	1,185,684.89
Applied to removed ratio	0.85	0.40	0.84	3.41

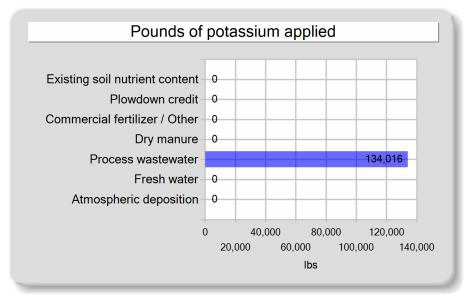
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

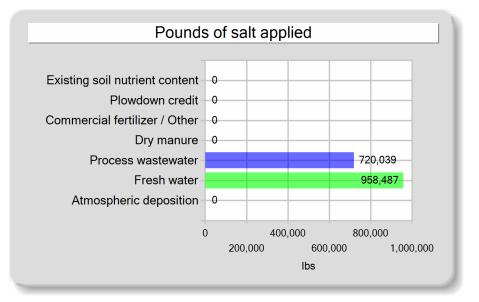


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









06/24/2024 13:37:32 Page 43 of 46

Annual	Report	t - Ge	eneral	Order	No.	R5-	2007-0035	,
_								

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN	NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS								
A. NUTRIENT MANAGEMENT PLAN STATEMENTS									
Was the facility's NMP updated in the reporting period?	Yes								
Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	Yes								
Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	Yes								
B. EXPORT AGREEMENT STATEMENT									
Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period?	<u>No</u>								

ADDITIONAL NOTES

A. NOTES

No notes entered for this annual report.

Ron Verhoeven Family Dairy | 4975 Ave 120 | Corcoran, CA 93212 | Tulare County | Tulare Basin

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.

for When	La Valan-	
SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY	
Ron Verhoeven	SAME AS OWNER	
PRINT OR TYPE NAME	PRINT OR TYPE NAME	
6-29-2024	6-29-2024	
DATE	DATE	

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

Corrective Actions Documents

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

Groundwater Monitoring

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

Storm Water Monitoring

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



Report of Dairy Well Water Analysis

Lab No.: 23L0354

Sampled By: Pamela Verhoeven Requested By: Marty Verhoeven

Submitted Date: 12/07/23 Reported Date: 12/18/23

Project: 4975 Ave 120, Corcoran 93212

Crop ID:

Ron Verhoeven Family Dairy

4975 Ave 120

Corcoran

CA 93212

00-0015818

08

E-mail: martyverhoeven@gmail.com

Copy To:

		Date Sampled	Time Sampled	EC μmhos/cm	EC mmhos/cm	NO ₃ -N	Field NH ₄ -N mg/L	Total NH ₄ -N mg/L	TDS mg/L	CO ₃ as CaCO ₃ mg/L	HCO ₃ as CaCO ₃ mg/L	CI mg/L	SO ₄ mg/L	Ca mg/L	Mg mg/L	Na mg/L	pH at 25°C unit
1	Dom 1 (Valve@Well)	12/06/23	12:30	459	0.46	0.3	*	*	260	ND	64.5	82.7	30.8	31.0	0.3	62	8.0
?	Dom 2 (Valve@Well)	12/06/23	12:35	971	0.97	7.9	*		600	ND	82.1	159	95.3	95.3	3.6	101	8.0
	Dom 3 (Valve@Well)	12/06/23	12:40	503	0.50	1.0	*		310	ND	64.3	93.5	32.3	37.5	0.6	64	7.6

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

Approved By:

Laboratory Director\Technical Manager

ELAP Certification #1595 A2LA Certification #6440.02

Beat MFrielland



12/07/23 06:45

23L0354



WATER WORK REQUEST

WATER WOR	Cons.		1910 W. McKinley Aven www.dellavallelab.com 559 23	ue, Suite 110 • I	896 • Fax 559 268-8174	INC.						
Bill To: 15818 Purchase Order No. Resu	ults Needed By		No. of Samples	process process and the same of the same o	ind Water	Wastewater Mon. Well						
			Supply Water Other Analysis and Bottles Required: (Please Indicate Analysis)									
	975 Ave 120	ly Dairy				3137						
City, State, Zip	Corcoran 932	12	DWW1: (EC, pH, NO ₃ -N, NH ₄ -N Field Test) (1) 1 L plastic, unpreserved (white)									
Email:			FDWW2: (DWW	I Plue SO CO	HCO CL Ca Mo	No TDS)						
			DWW2: (DWWI Plus SO ₄ , CO ₃ , HCO ₃ , Cl, Ca, Mg, Na, TDS) (1) 1 L plastic, unpreserved (white)									
Copy to: martyver	rhoeven@gmai	l.com	DCW1: (EC, NO	O.N. TDS)								
Requested by/Cell: Marty V	Verhoeven/ 559	-410-2420	(I) IL plastic, i		ite)							
Facility: 4975 Ave	120, Corcora	93212	□ DPW1: (FC pH	NON NHN	N, TKN, TDS, TP, T	K)						
3.0			(1) 1L plastic, i	19680		IL)						
Date sampled 2-6	123		DPW2: (DPW1	Plus Ca. Mg. Na	a, HCO ₃ , CO ₃ , SO ₄ ,	CD)						
Sampled by James	la Verh	10even	(1) l L plastic, i		A CONTRACTOR OF THE CONTRACTOR							
☑ QA/QC Document ☑	Copy of Chain	RWQCB	Other									
DESCRIPTION OF SAMPLES		The second second	Date	Time	Field	Received						
DESCRIPTION OF SAMPLES		41	Sampled 12 1 2 2	Sampled	NH4-N (mg/L)	Temp °C						
1. yon 1	Sampled From:	10 MILLIAM	16.6.63	12:30	-	0.310						
2. 10m 2	Sampled From:	Valuedon	ell 126-23	15:32		3.4/9						
3. Pam 3	Sampled From:	White Our	12-10-23	12:40		0,9/						
4.	Sampled Front											
5.			IR Thermo	meter SN: 20056072	23	***************************************						
	Sampled From:		Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Laboratory									
5.	Sampled From:											
7.	Sampled From:		IR Thern	nometer SN: 221511	276							
8.	Sampled From:		Correction Factor: 0*C Calibration Due: 12/22/2023 Location: Hanford									
9.	Sampled From:											
10.	Sampled From:											
And the state of t	Sampor Profit.					***************************************						
CHAIN OF CUSTODY												
Carrier Signatu		Company	Received (Dat	te/Time)	Relinquished (D	Pate/Time)						
First Jonneley	luh	VDFC	12.6.23	12:30	12/6/23	3:10						
Second C+		DCI	12/6/23	3:10	12/6/23	3:10						
Third	1 =	A 15	17/7	THE .								
Fourth 9		01	147 06	24)								
I guarantee that so the client, or on behalf of the client named, I intorney? Sees. It is understood that payment is expected to be cash with If recomment is not made when due and a legislemate discoute exists.	h samples unless terms have be	een previously arranged. Letters are not 30	stays: oxerdue accounts will be charged a dated dos	muse fee of 2% oes month (annua	(b) 24 %) or \$5.00 per month whichever	b medical						
If payment is not made when due and a legitimate dispute exists the dispute will be submitted to binding arbitration through cal under a of arbitration, reasonable attorneys' fees of Dellavulle Laboratory.	ts Bules and Procedures. The p	aces of Department Laboratory, Inc., it will arties will equally bear the coses of median	i or summitted to municipal update the Roles and Pro- son arbitration. If, businesses, the mediator declares the	cenares of Creative Alternative a nat no legitimate dispute exists, if	 Lingston. Inc. Fall). If the dispute is a sen debux will pury all medicases and arbi- 	ot result ed in mediction, then maties cross, and in the event						
Invoicing Information: Price List 2022		Shipping										
FIRE LIST 2024		\$	In									
Sampling Hrs Miles Con	sulting	S	Out Signature									



Report of Dairy Well Water Analysis

Ron Verhoeven Family Dairy

4975 Ave 120

Corcoran

CA 93212

00-0015818

80

E-mail: martyverhoeven@gmail.com

Copy To:

Lab No.: 23L0908 Sampled By: Marty V.

Requested By: Marty Verhoeven

Submitted Date: 12/14/23 Reported Date: 12/21/23

Project: 4975 Ave 120, Corcoran 93212

Crop ID:

	Date Sampled	Time Sampled	EC μmhos/cm	EC mmhos/cm	NO ₃ -N	Field NH ₄ -N mg/L	Total NH ₄ -N mg/L	pH at 25°C unit
Well 4 Well 5	12/13/23 12/13/23		2050 986	2.05 0.99	27.4 3.5	*		7.7 7.6

* = Field NH₄-N not Taken.

ND = None Detected

Approved By:

Laboratory Director\Technical Manager

Scott MFrielland

ELAP Certification #1595

A2LA Certification #6440.02



12/14/23 07:00

23L0908 R



WATER WORK REQUEST

Check No.

WATER W	ORK REQUEST	DELLAVALLE LABORATORY, INC. 1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728 www.dellavallelab.com 559 233-6129 800 228-9896 • Fax 559 268-8174						
Bill To: 158	18 08	No. of Samples No. Bottles						
		Water Type: Drinking Wastewater						
Purchase Order No.	Results Needed By	Ag Water Ground Water Mon. Well Supply Water Other						
Client Verho	even, Ron Family Dairy	Analysis and Bottles Required: (Please Indicate Analysis)						
Address	4975 Ave 120	DWW1: (EC, pH, NO ₃ -N, NH ₄ -N Field Test)						
City, State, Zip	Corcoran 93212	(1) L plastic, unpreserved (white)						
Email:	0	DWW2: (DWW1 Plus SO ₄ , CO ₃ , HCO ₃ , Cl, Ca, Mg, Na, TDS)						
Comy to:	traigh agus Asmail agus	(1) L plastic, unpreserved (white)						
Copy to: mar	tyverhoeven@gmail.com	DCW1: (EC, NO ₃ -N, TDS)						
Requested by/Cell: M	arty Verhoeven/ 559-410-2420	(1) L plastic, unpreserved (white)						
Facility: 4975	Ave 120, Corcoran 93212	☐ DPW1: (EC, pH, NO ₃ -N, NH ₄ -N, TKN, TDS, TP, TK)						
Date sampled 17	112/13	(1) 1 L plastic, unpreserved (white)						
Date sampled 12		DPW2: (DPW1 Plus Ca, Mg, Na, HCO ₃ , CO ₃ , SO ₄ , Cl)						
Sampled by 100	44 h.	(1) 1 L plastic, unpreserved (white)						
☑ QA/QC Document	☑ Copy of Chain ☐ RWQCB	Other						
DESCRIPTION OF SAMPLI	ES	Date Time Field Received Sampled Sampled NH4-N (mg/L) Temp °C						
. 11 MIL U		Sampled Sampled NH4-N(mg L) Temp °C VI						
I. Well To	Sampled From:	1915/05 1.Wpm 11.W						
2. Well 5	Sampled From	12/5/25 7:15pm 17.1/6						
3.	Sampled From:							
4.	Sampled From:							
5.		IR Thermometer SN: 200560723						
J.	Sampled From:	Correction Factor: 0°C Calibration Due: 03/06/2024						
6.	Sampled From	Location: Laboratory						
7.	Sampled From:	IR Thermometer SN: 221511276						
8.	Sampled From:	Correction Factor: 0°C Calibration Due: 03/06/2024						
9.		Location: Hanford						
	Sampled From:							
10.	Sampled From:							
CHAIN OF CUSTODY								
Carrier S	Signature Company	Received (Date/Time) Relinquished (Date/Time)						
First WAN	whom UH	12/13/23 25 018/233:17						
Second W	no nu	12/13/23 3:17 DM						
Third								
Fourth	an OLT	144 04-00						
I guarantee that as the client, or on behalf of the client	named. I have the authority to contract the above requested services. Sho	suld it be found that I do not have such authority. I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable						
flormeys' fees. It is understood that payment is expected to b. If phyment is not made when due and a legitimate disp	e cash with samples unless terms have been previously arranged. Terms at tale exists concerning the product or services of Dellavalle Laboratory, inc	are not 10 days, overthe accounts will be charged a fated damage for of 2% per morth (amoually 24 %) or 55 00 per morth whichever is greater. Let will be submitted to mediation under the Rules and Procedure of Creative Alternative to Jangaine, loc. (call). If the dayant is not resolved in mediation, then of mediation arbitration. If, however, the mediator declares then to legitimate deposit exists, then defer will pro all mediation and arbitrations only, and in the event						
of arbitration, reasonable attorneys' fees of Deliavalle Labors Involving Information:	Shipping							
Invoicing Price 18	st-2023 s	In						
Sampling Hrs Miles	Consulting \$	Out Signature						

| | Yes | | | No