CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

CENTRAL VALLEY REGION 11020 SUN CENTER DR #200 RANCHO CORDOVA CA 95670-6114

2023 ANNUAL REPORT

PREPARED FOR:

SILVEIRA DAIRY-HEIFERS (Previously Andrade Dairy)

10221 AVE 21 1/2

CHOWCHILLA CA 93610

NOTES:

PREPARED BY:



PO BOX 906 NEWMAN CA 95360

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

DAIRY FACILITY INFORMATION

A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: Silveira Dairy Heifers

Physical address of dairy:

10221 Ave. 21 1/2ChowchillaMadera93610Number and StreetCityCountyZip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/20/1958

Regional Water Quality Control Board Basin Plan designation: San Joaquin River Basin

County Assessor Parcel Number(s) for dairy facility:

X024-X060-X007-XXXX X024-X060-X008-XXXX

B. OPERATORS

Silveira, Johnny			
Operator name: Silveira, Johnny	Telephone r	io.: (559) 978-60	87
·		Landline	Cellular
11135 Ave 21 1/2	Chowchilla	CA	93610
Mailing Address Number and Street	City	State	Zip Code
This operator is responsible for paying permit fees.			

C. OWNERS

Silveira, Johnny			
Legal owner name: Silveira, Johnny	Telephone	no.: (559) 978-60	87
<u> </u>		Landline	Cellular
11135 Ave 21 1/2	Chowchilla	CA	93610
Mailing Address Number and Street	City	State	Zip Code
This owner is responsible for paying permit fees.			

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

AVAILABLE NUTRIENTS

A. HERD INFORMATION

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

Predominant milk cow breed: Holstein

Average milk production: 1 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 1.00 tons per reporting period

Total nitrogen from manure: 1.00 lbs per reporting period After ammonia losses (30% loss applied): 0.70 lbs per reporting period

Total phosphorus from manure: 1.00 lbs per reporting period

Total potassium from manure:

1.00 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 405,500 gallons

Total nitrogen generated: 1,674.32 lbs

Total phosphorus generated: 185.19 lbs

Total potassium generated: 2,200.37 lbs

Total salt generated: 11,573.68 lbs

11,757,000 gallons applied
0 gallons exported
11,351,500 gallons imported
405,500 gallons generated

D. FRESH WATER SOURCES

Source Description	Туре
Domestic Well	Ground water
Irrigation Well	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.

Date	Material type / Description	Quantity	N (mg/L)	P (mg/L)	K (mg/L)	Salt (mg/L)	TDS (mg/L)
01/01/2023	Process wastewater	2,340,000.00 gal	650.00	76.60	850.00		3,600
	Imported Lagoon Water 10/21/22						
03/13/2023	Process wastewater	892,500.00 gal	650.00	76.60	850.00		3,600
	Imported Lagoon						
04/18/2023	Process wastewater	2,374,000.00 gal	650.00	76.60	850.00		3,600
	Imported Lagoon Water						
06/12/2023	Process wastewater	390,000.00 gal	833.90	502.00	936.00		3,680
	Imported Lagoon Water						
06/30/2023	Process wastewater	405,000.00 gal	833.90	502.00	936.00		3,680
	Imported Lagoon Water						
07/12/2023	Process wastewater	2,355,000.00 gal	494.60	54.70	650.00		3,420
	Imported Lagoon Water						
08/10/2023	Process wastewater	2,595,000.00 gal	494.60	54.70	650.00		3,420
	Imported Lagoon Water						

No commercial or other nutrient imports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	56,374.19	9,173.77	72,828.03	334,117.11
Total imports for all materials	56,374.19	9,173.77	72,828.03	334,117.11

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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
East	75	75	2	process wastewater	X024-X060-X008-XXXX
Middle	33	33	2	process wastewater	X024-X060-X007-XXXX
West	27	27	2	process wastewater	X024-X060-X007-XXXX
Totals for areas that were used for application	135	135	6		
Totals for areas that were not used for application					
Land application area totals	135	135	6		

B. CROPS AND HARVESTS

eld name: East										
cia namo. <u>Last</u>										
0/01/2022: Whea	at, silage, boot sta	ge								
Crop: Wheat, sil	-						Acres planted:	75	Plant date: 10/	01/2022
Harvest date	Yie	ld Reporting bas	sis Density (lbs/cu f	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
05/11/2023	1,305.00 ton	Dry-weight		63.3	14,100.00	1,800.00	17,000.00		9.80	
	Yi	eld (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre) Salt ((lbs/acre)			
Anticipated harve	est content	18.00	198.00	30.60	149.40)	0.00			
Total actual harv	est content	17.40	180.08	22.99	217.12	2	1,251.62			
5 /00/0000 0										
5/26/2023: Corn,	silage									
Crop: Corn, sila	ge						Acres planted:	75	Plant date: 05/	26/2023
	Yie	ld Reporting bas	sis Density (lbs/cu f	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
Harvest date		Dryweight		66.7	13,700.00	2,200.00	21,200.00		6.80	
Harvest date 09/12/2023	1,935.00 ton	Dry-weight					The decree			
		eld (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre) Salt (lbs/acre)			
	Yi	, , ,	Total N (lbs/acre)	Total P (lbs/acre) 45.00	Total K (lbs/acre		0.00			

Middle Field name: Middle 10/01/2022: Wheat, silage, soft dough Acres planted: 33 Plant date: 10/01/2022 Crop: Wheat, silage, soft dough Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) TFS (%) 05/10/2023 7.00 574.00 ton Dry-weight 60.7 14,700.00 2,200.00 17,700.00 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 30.60 149.40 0.00 Total actual harvest content 17.39 241.99 957.01 200.97 30.08 05/26/2023: Corn, silage Acres planted: 33 Plant date: 05/26/2023 Crop: Corn, silage TFS (%) Harvest date Yield Reporting basis Density (lbs/cu ft) Moisture (%) N (mg/kg) P (mg/kg) K (mg/kg) Salt (mg/kg) 09/06/2023 851.00 ton Dry-weight 71.2 16,100.00 3,100.00 17,800.00 7.10 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 0.00 Total actual harvest content 25.79 239.15 46.05 264.40 1,054.62

ld name: West									
/01/2022: Wheat	silage, soft dou	gh							
Crop: Wheat, sila	ge, soft dough						Acres planted	27	Plant date: 10/01/2
Harvest date	Yie	ld Reporting ba	asis Density (lbs/d	cu ft) Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	470.00 ton	Dry-weight		63.4	15,300.00	2,000.00	16,400.00		9.50
	Yi	eld (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)		
Anticipated harves	t content	18.00	198.00	30.60	149.40		0.00		
Total actual harves	st content	17.41	194.96	25.48	208.97		1,210.51		

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t											
5/26/2023: Corn,	silage										
Crop: Corn, sila	је							Acres planted:	27	Plant date: 05	/26/2023
Harvest date		Yield	Reporting bas	sis Density (lbs/cu	ft) Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
09/06/2023	697.00	697.00 <i>ton</i> Dry-weight 69.2 16,100.00 3,200.00 20,30		20,300.00		8.30					
		Yield	(tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/ac	re) Salt	(lbs/acre)			
Anticipated harve	est content		30.00	240.00	45.00	198.	00	0.00			
Total actual harve	est content		25.81	256.02	50.89	322.	81	1,319.86			

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NUTRIENT BUDGET

A. LAND APPLICATIONS

ield name: Ea	st							
rop: Wh	neat, silage, boot stage						PI	ant date: 10/01/2022
Application date	Application method		Precipitation 24 ho	ours prior	Precipitation of	luring application	n Precipitat	on 24 hours following
10/21/2022	Surface (irrigation)		No precipitation		No precipitation	on	No precip	itation
Source descri	Source description Mate			N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun
Imported Lago	oon Water	Process wastewater		104.15	12.27	136.19	576.81	1,440,000.00 <i>gal</i>
Irrigation Well		Ground water		19.30	0.00	0.00	0.00	11,640,000.00 gal
Application ev	vent totals			123.44	12.27	136.19	576.81	
04/18/2023	Surface (irrigation)		No precipitation		No precipitation	on	No precip	itation
Source descri	ption	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun
Imported Lago	oon Water	Process wastewater		101.98	12.02	133.35	564.79	1,410,000.00 gal
Irrigation Well		Ground water		18.70	0.00	0.00	0.00	11,280,000.00 <i>gal</i>
Application ev	vent totals			120.68	12.02	133.35	564.79	

Field name: Eas	st .								
Crop: Cor	n, silage						Pl	ant date: 05/26/202	
Application date	date Application method		Precipitation 24	Precipitation 24 hours prior Precipitation during applicat			n Precipitat	ion 24 hours following	
05/15/2023	Surface (irrigation)	ace (irrigation) No precipitation			No precipitation	n	No precip	No precipitation	
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou	
Irrigation Well		Ground water		25.66	0.00	0.00	0.00	15,480,000.00 gal	
Application eve	ent totals			25.66	0.00	0.00	0.00		

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Application date	Application method		· ·		Precipitation d	uring application	n Precipitat	ion 24 hours following
06/12/2023	Surface (irrigation)				No precipitation		No precip	No precipitation
Source descrip	ption	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour
Irrigation Well		Ground water		24.57	0.00	0.00	0.00	14,820,000.00 gal
Application ev	ent totals			24.57	0.00	0.00	0.00	•
06/30/2023	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)	Amour
Irrigation Well		Ground water		24.87	0.00	0.00	0.00	15,000,000.00 gal
Application eve	ent totals			24.87	0.00	0.00	0.00	
07/12/2023	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
Imported Lago	oon Water	Process wastewater		90.80	10.04	119.33	627.88	1,650,000.00 gal
Irrigation Well		Ground water		23.87	0.00	0.00	0.00	14,400,000.00 gal
Application eve	ent totals			114.68	10.04	119.33	627.88	
07/28/2023	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
Irrigation Well		Ground water		23.77	0.00	0.00	0.00	14,340,000.00 gal
Application ev	ent totals			23.77	0.00	0.00	0.00	
08/10/2023	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
Imported Lago	oon Water	Process wastewater		82.55	9.13	108.49	570.80	1,500,000.00 gal
Irrigation Well		Ground water		26.16	0.00	0.00	0.00	15,780,000.00 gal
Application eve	ent totals			108.71	9.13	108.49	570.80	

Middle - 10/01/2022: Wheat, silage, soft dough

Field name: Middle

Crop: Wheat, silage, soft dough Plant date: 10/01/2022

Application date Application method 10/21/2022 Surface (irrigation)				Precipitation during application		n Precipitati	Precipitation 24 hours following	
				No precipitation No precip			itation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Imported Lagoon Water	Process wastewater		73.97	8.72	96.73	409.66	450,000.00 gal	
Irrigation Well	Ground water		20.35	0.00	0.00	0.00	5,400,000.00 gal	
Application event totals			94.31	8.72	96.73	409.66		
03/13/2023 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)	Amoun	
Imported Lagoon Water	Process wastewater		73.97	8.72	96.73	409.66	450,000.00 gal	
Application event totals			73.97	8.72	96.73	409.66		
04/08/2023 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)	Amoun	
Imported Lagoon Water	Process wastewater		88.76	10.46	116.07	491.60	540,000.00 gal	
Irrigation Well	Ground water		16.73	0.00	0.00	0.00	4,440,000.00 gal	
Application event totals			105.49	10.46	116.07	491.60		

iddle - 05/26/202	3: Corn, silage							
Field name: Mid	dle							
Crop: Cor	n, silage						Pl	ant date: 05/26/2023
Application date	Application method		Precipitation 24 h	n 24 hours prior Precipitation during application		n Precipitati	on 24 hours following	
05/15/2023	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)	Amoun
Irrigation Well		Ground water		29.39	0.00	0.00	0.00	7,800,000.00 gal
Application eve	ent totals			29.39	0.00	0.00	0.00	

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Application date Application method		Precipitation 24 ho	urs prior	Precipitation d	uring application	n Precipitati	on 24 hours following
06/12/2023 Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Irrigation Well	Ground water		25.77	0.00	0.00	0.00	6,840,000.00 gal
Application event totals			25.77	0.00	0.00	0.00	
06/30/2023 Surface (irrigation)		No precipitation		No precipitatio	n	No precipi	tation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amou
Irrigation Well	Ground water		27.13	0.00	0.00	0.00	7,200,000.00 gal
Application event totals			27.13	0.00	0.00	0.00	
07/12/2023 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
Imported Lagoon Water	Process wastewater		82.55	9.13	108.49	570.80	660,000.00 gal
Irrigation Well	Ground water		27.35	0.00	0.00	0.00	7,260,000.00 gal
Application event totals			109.90	9.13	108.49	570.80	
07/28/2023 Surface (irrigation)		No precipitation	cipitation No precipitation		n	No precipi	tation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amo
Irrigation Well	Ground water		26.22	0.00	0.00	0.00	6,960,000.00 gal
Application event totals			26.22	0.00	0.00	0.00	
08/10/2023 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
Imported Lagoon Water	Process wastewater		80.67	8.92	106.02	557.83	645,000.00 gal
Irrigation Well	Ground water		28.71	0.00	0.00	0.00	7,620,000.00 gal
Application event totals			109.38	8.92	106.02	557.83	

West - 10/01/2022: Wheat, silage, soft dough

Field name: West

Crop: Wheat, silage, soft dough Plant date: 10/01/2022

Application date Application method 10/21/2022 Surface (irrigation)		· · ·		Precipitation during application		n Precipitati	on 24 hours following
				No precipitation	on	No precipi	recipitation
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun
Imported Lagoon Water	Process wastewater		90.40	10.65	118.22	500.70	450,000.00 gal
Irrigation Well	Ground water		0.99	0.00	0.00	0.00	4,560,000.00 gal
Application event totals			91.39	10.65	118.22	500.70	
03/13/2023 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)	Amour
Imported Lagoon Water	Process wastewater		88.90	10.48	116.25	492.36	442,500.00 gal
Application event totals			88.90	10.48	116.25	492.36	
04/18/2023 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)	Amour
Imported Lagoon Water	Process wastewater		85.28	10.05	111.52	472.33	424,500.00 gal
Irrigation Well	Ground water		0.86	0.00	0.00	0.00	3,960,000.00 gal
Application event totals			86.14	10.05	111.52	472.33	

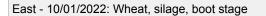
est - 05/26/2023:	Corn, sliage							
Field name: We	st							
Crop: Cor	n, silage						Pl	ant date: <u>05/26/2023</u>
Application date	Application method		Precipitation 24 hours prior Precipitation during application		n Precipitation 24 hours following			
05/15/2023	Surface (irrigation)		No precipitation		No precipitation	n	No precip	itation
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun
Irrigation Well		Ground water		1.45	0.00	0.00	0.00	6,720,000.00 gal
Application eve	ent totals			1.45	0.00	0.00	0.00	

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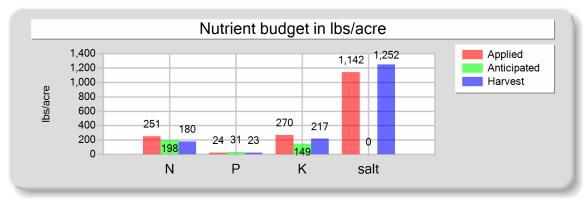
West - 05/26/2023: Corn, silage Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following 06/12/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) | Salt (lbs/acre) Amount 390,000.00 gal Imported Lagoon Water Process wastewater 100.52 60.51 112.82 443.58 Irrigation Well 0.00 0.00 0.00 6,360,000.00 gal Ground water 1.38 Application event totals 101.89 60.51 112.82 443.58 06/30/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type K (lbs/acre) N (lbs/acre) P (lbs/acre) Salt (lbs/acre) Amount 405,000.00 gal Imported Lagoon Water Process wastewater 104.38 62.84 117.16 460.64 Irrigation Well Ground water 1.22 0.00 0.00 0.00 5,640,000.00 gal Application event totals 62.84 105.60 117.16 460.64 07/12/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Salt (lbs/acre) Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Amount Lagoon Water Process wastewater 68.79 7.61 90.40 475.67 450,000.00 gal Irrigation Well 0.00 0.00 Ground water 1.32 0.00 6,120,000.00 gal Application event totals 7.61 475.67 70.11 90.40 07/28/2023 No precipitation No precipitation Surface (irrigation) No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Irrigation Well 0.00 0.00 0.00 5,700,000.00 gal Ground water 1.23 Application event totals 1.23 0.00 0.00 0.00 08/10/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) | Salt (lbs/acre) Amount Imported Lagoon Water Process wastewater 68.79 7.61 90.40 475.67 450,000.00 gal Irrigation Well 0.00 0.00 0.00 Ground water 1.27 5,880,000.00 gal Application event totals 70.06 90.40 7.61 475.67

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B. NUTRIENT BUDGET



Field name: East Crop: Wheat, silage, boot stage Plant date: 10/01/2022

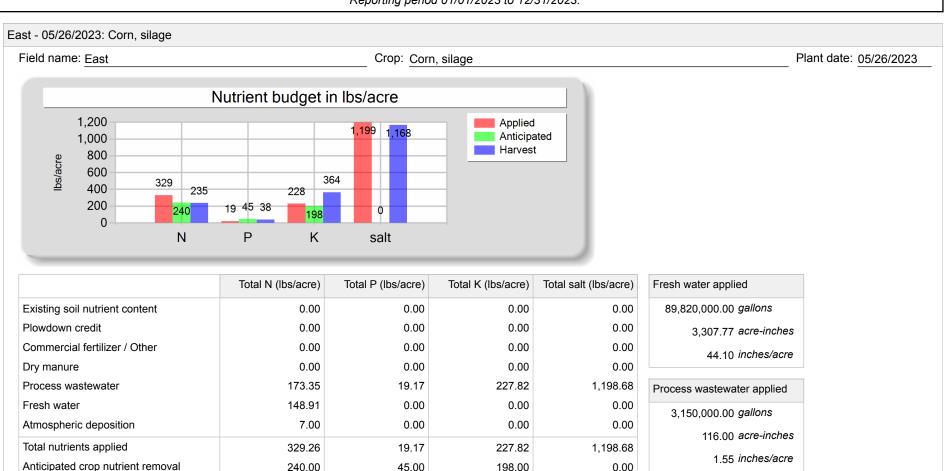


	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	206.12	24.29	269.54	1,141.60
Fresh water	38.00	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	251.12	24.29	269.54	1,141.60
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	180.08	22.99	217.12	1,251.62
Nutrient balance	71.04	1.30	52.43	-110.02
Applied to removed ratio	1.39	1.06	1.24	0.91

Fresh water applied	
22,920,000.00 gallons	
844.07 acre-inches	
11.25 inches/acre	

1.40 inches/acre
104.96 acre-inches
2,850,000.00 gallons
Process wastewater applied

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364.28

-136.46

0.63

1,168.43

30.25

1.03

Total harvests for the crop

1 harvests

37.80

-18.63

0.51

235.40

93.86

1.40

Actual crop nutrient removal

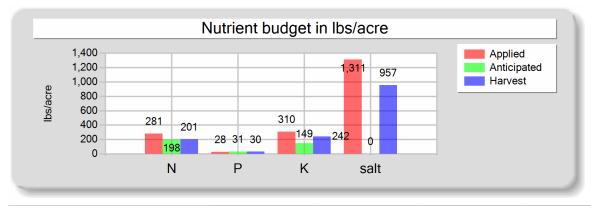
Applied to removed ratio

Nutrient balance

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Middle - 10/01/2022: Wheat, silage, soft dough

Field name: Middle Crop: Wheat, silage, soft dough Plant date: 10/01/2022



	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	236.69	27.89	309.52	1,310.92
Fresh water	37.08	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	280.77	27.89	309.52	1,310.92
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	200.97	30.08	241.99	957.01
Nutrient balance	79.80	-2.18	67.54	353.91
Applied to removed ratio	1.40	0.93	1.28	1.37

Fresh water applied
9,840,000.00 gallons
362.37 acre-inches
10.98 inches/acre

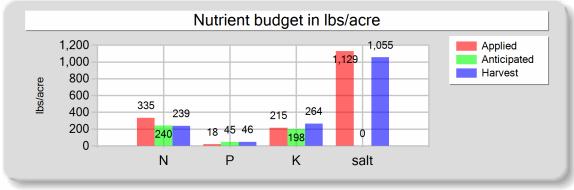
Process wastewater applied
1,440,000.00 gallons
53.03 acre-inches
1.61 inches/acre

Total harvests for the crop

1 harvests

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Middle - 05/26/2023: Corn, silage Field name: Middle Crop: Corn, silage Plant date: 05/26/2023 Nutrient budget in lbs/acre



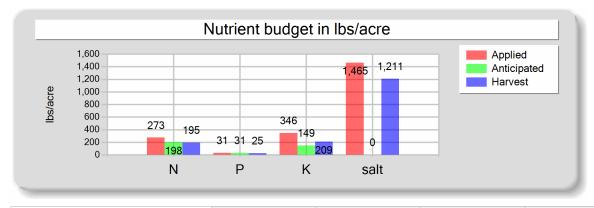
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	163.22	18.05	214.50	1,128.62
Fresh water	164.58	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	334.80	18.05	214.50	1,128.62
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	239.15	46.05	264.40	1,054.62
Nutrient balance	95.66	-28.00	-49.89	74.00
Applied to removed ratio	1.40	0.39	0.81	1.07

Fresh water applied
43,680,000.00 gallons
1,608.59 acre-inches
48.75 inches/acre
Process wastewater applied
1,305,000.00 gallons
48.06 acre-inches
1.46 inches/acre
Total harvests for the crop
1 harvests

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West - 10/01/2022: Wheat, silage, soft dough

Field name: West Crop: Wheat, silage, soft dough Plant date: 10/01/2022



	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	264.58	31.18	345.99	1,465.38
Fresh water	1.84	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	273.43	31.18	345.99	1,465.38
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	194.96	25.48	208.97	1,210.51
Nutrient balance	78.47	5.70	137.02	254.87
Applied to removed ratio	1.40	1.22	1.66	1.21

Fresh water applied
8,520,000.00 gallons
313.76 acre-inches
11.62 inches/acre

Process wastewater applied	
1,317,000.00 gallons	
48.50 acre-inches	s
1.80 inches/acre	e

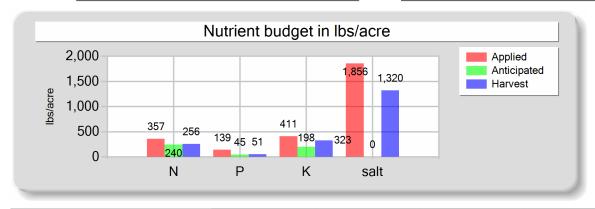
Total harvests for the crop

1 harvests

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West - 05/26/2023: Corn, silage

Field name: West Crop: Corn, silage Plant date: 05/26/2023



	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	342.48	138.56	410.80	1,855.56
Fresh water	7.88	0.00	0.00	0.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	357.36	138.56	410.80	1,855.56
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	256.02	50.89	322.81	1,319.86
Nutrient balance	101.34	87.68	87.99	535.70
Applied to removed ratio	1.40	2.72	1.27	1.41

Fresh water applied
36,420,000.00 gallons
1,341.22 acre-inches
49.67 inches/acre

Process waste	water applied
1,695,000.	00 gallons
62.	42 acre-inches
2.3	31 inches/acre

Total harvests for the crop

1 harvests

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

Sample	and source desci	ription: Import	ted Manure							
Sample	date: 10/04/2023	3 Material t	ype: Separato	r solids		Source of and	alysis: Lab ana	alysis	Method of re	eporting: Dry-we
Moisture	2:73.8	<u>8</u> %								
	Total N	Total P	Total K	Calcium	Magnesium	Sodium (mg/kg)	Sulfur	Chloride	Total salt	TFS (%)
Value	Total N (mg/kg) 20,400.00	Total P (mg/kg) 2,700.00	Total K (mg/kg) 5,900.00	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)

Corral Manure Sample and source description: Corral Manure Sample date: 12/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight Material type: Corral solids 49.2 % Moisture: Total N Total K Calcium Chloride Total salt TFS Total P Magnesium Sodium Sulfur (%) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) Value 15,200.00 3,200.00 15,600.00 10,300.00 4,400.00 1,600.00 2,400.00 6,000.00 57.90 DL 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 1.00

B. PROCESS WASTEWATER ANALYSES

nported	Lagoon Q4														
Sampl	e and source	e description	n: Importe	ed Lagoon C	Q4										
Sampl						Source of analysis: Lab analysis pH: 7.60									
	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	649.00	411.00	0.00	1.00	76.60	850.00								8,400.00	3,60
		0.01	0.01	0.01	0.01	0.01								10.00	

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

Lac	ioon	Ω 1
Lac	IUUII	S I

Sample and source description: Lagoon Q1

Sample date: 03/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 8.00

	<u> </u>		•	· · · · · · · · · · · · · · · · · · ·				_		a.c. aa, e.e		_ '			
	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	176.00	128.00	0.00	0.80	29.20	333.00								2,840.00	1,560
DL	0.01	0.01	0.01	0.01	0.01	0.01								10.00	1

Imported Lagoon Q2

Sample and source description: Imported Lagoon Q2

Sample date: 05/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

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	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	833.00	383.00	0.00	0.90	502.00	936.00								6,820.00	3,680
DL	0.01	0.01	0.01	0.01	0.01	0.01								10.00	1

Lagoon Q2

Sample and source description: Lagoon Q2

Sample date: 05/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.50

	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	e 197.00	105.00	0.00	0.90	69.60	658.00								4,580.00	2,600
DL	0.01	0.01	0.01	0.01	0.01	0.01								10.00	1

Imported Lagoon Q3

Sample and source description: Imported Lagoon Q3

Sample date: 08/02/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.50

	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	494.00	453.00	0.00	0.60	54.70	650.00								7,580.00	3,420
DL	0.01	0.01	0.01	0.01	0.01	0.01								10.00	1

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

Lagoon Q3

Sample and source description: Lagoon Q3

Sample date: 08/02/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

	<u> </u>	02/2020		11000	oo madaama			_		ab analyolo					
	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	34.30	30.40	0.00	0.20	10.90	122.00								1,310.00	840
DL	0.01	0.01	0.01	0.01	0.01	0.01								10.00	1

Lagoon Q4

Sample and source description: Lagoon Q4

Sample date: 12/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.60

	K	(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)
Val	ue	159.00	88.90	0.00	0.30	42.40	367.00								2,840.00	1,800
DL		0.01	0.01	0.01	0.01	0.01	0.01								10.00	1

C. FRESH WATER ANALYSES

Domestic Well

DW Barn

Sample description: DW Barn

Sample date: 12/11/2023 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	0.00	0.30								333.00	0
DL	0.01	0.01	0.01								10.00	1

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

Domestic Well

DW House

Sample description: DW House

Sample date: 12/11/2023 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	1.10	0.00	1.10								287.00	0
DL	0.01	0.01	0.01								10.00	1

Irrigation Well

IW N/O AVERAGE

Sample description: IW N/O AVERAGE

Sample date: 12/12/2023 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	14.90	0.00	14.90								1,095.00	0
DL	0.01	0.01	0.01								10.00	1

IW-Rd 11 New (Andrade)

Sample description: IW-Rd 11 New (Andrade)

Sample date: 12/12/2023 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	0.00	0.30								1,130.00	0
DL	0.01	0.01	0.01								10.00	1

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

Irrigation Well

IW-Rd 11 Old (Andrade)

Sample description: IW-Rd 11 Old (Andrade)

Sample date: 12/12/2023 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	29.50	0.00	29.50								1,060.00	0
DL	0.01	0.01	0.01								10.00	1

IW-West (Andrade)

Sample description: IW-West (Andrade)

Sample date: 12/12/2023 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	0.70	0.00	0.70								230.00	0
DL	0.01	0.01	0.01								10.00	1

D. SOIL ANALYSES

East Soil

East

Sample and source description: East Soil

Sample date: 09/15/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			34.00				
DL			0.01				

Middle

Middle

Middle Soil

Sample and source description: Middle Soil

Sample date: 09/15/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			38.00				
DL			0.01				

West

West Soil

Sample and source description: West Soil

Sample date: 09/15/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			33.00				
DL			0.01				

E. PLANT TISSUE ANALYSES

East - 10/01/2022: Wheat, silage, boot stage

Field East Wheat Silage

Sample and source description: Field East Wheat Silage

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,100.00	1,800.00	17,000.00		9.80
DL	0.01	0.01	0.01		1.00

East - 05/26/2023: Corn, silage

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

East - 05/26/2023: Corn, silage

Field East Corn

Sample and source description: Field East Corn

Sample date: 09/12/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,700.00	2,200.00	21,200.00		6.80
DL	0.01	0.01	0.01		1.00

Middle - 10/01/2022: Wheat, silage, soft dough

Field Middle Wheat Silage

Sample and source description: Field Middle Wheat Silage

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

Moisture: 60.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,700.00	2,200.00	17,700.00		7.00
DL	0.01	0.01	0.01		1.00

Middle - 05/26/2023: Corn, silage

Middle Field Corn Silage

Sample and source description: Middle Field Corn Silage

Sample date: 09/06/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,100.00	3,100.00	17,800.00		7.10
DL	0.01	0.01	0.01		1.00

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

West - 10/01/2022: Wheat, silage, soft dough

Field West Wheat Silage

Sample and source description: Field West Wheat Silage

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

Moisture: 63.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,300.00	2,000.00	16,400.00		9.50
DL	0.01	0.01	0.01		1.00

West - 05/26/2023: Corn, silage

West Field Corn Silage

Sample and source description: West Field Corn Silage

Sample date: 09/06/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,100.00	3,200.00	20,300.00		8.30
DL	0.01	0.01	0.01		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

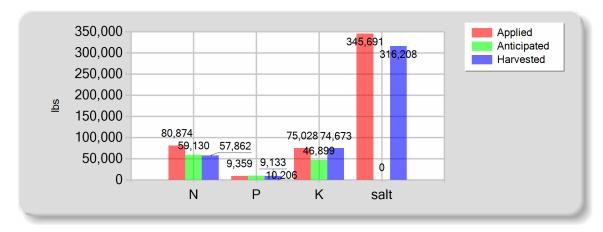
No subsurface (tile) drainage analyses entered.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

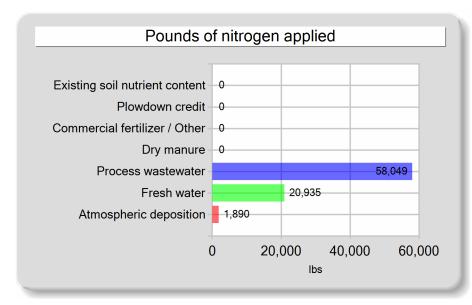
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

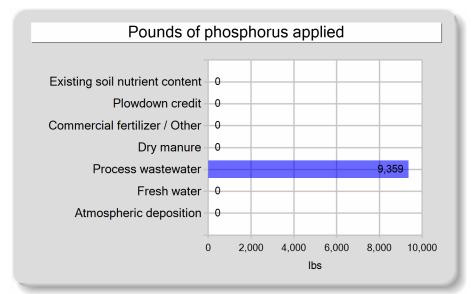
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	58,048.52	9,358.96	75,028.39	345,690.79
Fresh water	20,935.37	0.00	0.00	0.00
Atmospheric deposition	1,890.00	0.00	0.00	0.00
Total nutrients applied	80,873.89	9,358.96	75,028.39	345,690.79
Anticipated crop nutrient removal	59,130.00	10,206.00	46,899.00	0.00
Actual crop nutrient removal	57,861.62	9,133.44	74,673.28	316,207.53
Nutrient balance	23,012.27	225.52	355.11	29,483.26
Applied to removed ratio	1.40	1.02	1.00	1.09

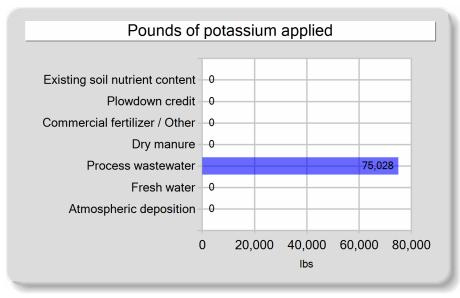
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

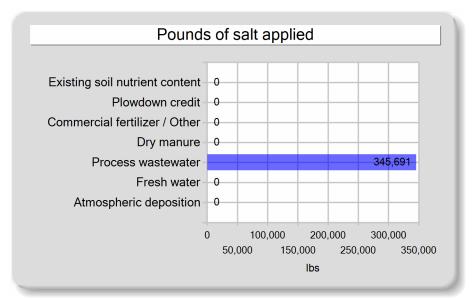


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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Annual	Report -	- G	eneral	Order	No.	R5-2	2007-00	35
_								

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS						
A. NUTRIENT MANAGEMENT PLAN STATEMENTS						
Was the facility's NMP updated in the reporting period?	<u>Yes</u>					
Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	<u>Yes</u>					
Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order?	<u>Yes</u>					
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

Facility is only housing support stock and imports lagoon water from main dairy

Silveira Dairy Heifers | 10221 Ave. 21 1/2 | Chowchilla, CA 93610 | Madera County | San Joaquin River Basin

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

Johnny	Silveira
--------	----------

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Johnny Silveira	SAME AS OWNER
Jul 1, 2024	PRINT OR TYPE NAME
DATE	DATE

07/01/2024 12:31:37 Page 31 of 31

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.

Silveira Dairy Heifers | 10221 Ave. 21 1/2 | Chowchilla, CA 93610 | Madera County | San Joaquin River Basin



Report of Dairy Well Water Analysis

Silveira Dairy (Chowchilla)

11380 Ave 22

Chowchilla CA 93610

00-0021349 08

E-mail:

Copy To: cas.labs@yahoo.com

Lab No.: 23L0775
Sampled By: J. Silveira
Requested By: Johnny Silveira

Submitted Date: 12/13/23 Reported Date: 12/20/23

> Project: Crop ID:

		Doto	Timo	EC	EC	NO ₃ -N	Field NH₄-N	Total	pH at 25°C
		Date Sampled	Time Sampled	μmhos/cm	mmhos/cm	-	mg/L	mg/L	unit
1	IW - West (Andrade)	12/12/23	8:48	230	0.23	0.7	ND		7.8
2	IW - Rd 11 New (Andrade)	12/12/23	8:36	1130	1.13	0.3	ND		7.7
3	IW - Rd 11 Old (Andrade)	12/12/23	8:42	1060	1.06	29.5	ND		7.4
4	IW - Orchard	12/12/23	8 :5 8	1430	1.43	0.4	NĐ		7.7
5	IW #1	12/12/23	8:24	468	0.47	3.4	ND		7.7
6	IW #2	12/12/23	8:29	1180	1.18	0.4	NĐ		7.6

* = Field NH₄-N not Taken.

ND = None Detected

Approved By:

Beote M Frielland

Laboratory Director\Technical Manager

ELAP Certification #1595 A2LA Certification #6440.02



Report of Dairy Well Water Analysis

Lab No.: 23L0775 Sampled By: J. Silveira

Requested By: Johnny Silveira

Submitted Date: 12/13/23 Reported Date: 12/20/23

> Project: Crop ID:

Silveira Dairy (Chowchilla)

11380 Ave 22

Chowchilla CA 93610

00-0021349 08

E-mail:

Copy To: cas.labs@yahoo.com

						Nitro	gen
						agricultural	use Calcs
						calculated fro	om nitrate-N
	Date	Time	EC	EC	NO ₃ -N	lbs/AcFoot	lbs/AcIncl
	Sampled	Sampled	μmhos/cm	mmhos/cm	mg/L		
	10/10/00						
1 IW - West (Andrade)	12/12/23	8:48	230	0.23	0.7	1.91	0.16
2 IW - Rd 11 New (Andrade)	12/12/23	8:36	1130	1.13	0.3	0.82	0.07
3 IW - Rd 11 Old (Andrade)	12/12/23	8:42	1060	1.06	29.5	80.54	6.71
4 IW - Orchard	12/12/23	8:58	1430	1.43	0.4	1.09	0.09
5 IW #1	12/12/23	8:24	468	0.47	3.4	9.28	0.77
6 IW-#2	12/12/23	8:29	1180	1.18	0.4	1.09	0.09
Water for Crop Use			Total	Total	Nitrate		
Nutrient Management			Salts	Salts	Nitrogen		
Low Levels			< 900	< 0.90	< 2.0		
Significant Levels			900-2200	0.90-2.2	2.0-10.0		
High Levels			2200+	2.2+	10.0+		

Sampling abbreviations: H.B. = hose bib, S.P. = stand pipe, Dom. = domestic well, IR = irrigation well, AG = ag well.

Nitrate exceeds Water Quality MCL levels if results are above 10 mg/l nitrate-nitrogen NO3-N (equivalent to 45 mg/l nitrate, NO3).

Total Salt results are used to monitor changes of salt in the well aquifers between annual tests.

MCL = Maximum Contaminant Level according to the California Domestic Water Quality and Monitoring Regulations (Title 22)

MDL = Method Detection Limit; RL = Reporting Limit, mg/L = ppm.

SM = Standard Methods for the Examination of Water and Wastewater

EPA = Environmental Protection Agency methods used unless otherwise indicated.



Silveira Dairy (Chowchilla) 11380 Ave 22

Chowchilla, CA 93610

Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0775-01	IW - West (Andrade)	Ag Water	J. Silveira		12/12/2023 8:48
23L0775-02	IW - Rd 11 New (Andrade)	Ag Water	J. Silveira		12/12/2023 8:36
23L0775-03	IW - Rd 11 Old (Andrade)	Ag Water	J. Silveira		12/12/2023 8:42
23L0775-04	IW - Orchard	Ag Water	J. Silveira		12/12/2023—8:58
23L0775-05	IW #1	Ag Water	J. Silveira		12/12/2023 8:24
23L0775-06	IW #2	Ag Water	J. Silveira		12/12/2023 8:29

Default Cooler

Temperature on Receipt °C: 0.8

Containers Intact COC/Labels Agree Received On Ice

Definition

Notes and Definitions

Item	Definition
Н	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

Scott M Frielland

ELAP Certification #1595 A2LA Certification #6440.02



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Sample Results

Sample: IW - West (Andrade)

23L0775-01 (Water)

Sampled: 12/12/2023 8:48 Sampled By: J. Silveira

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.23	mmhos/cm	0.01	1		12/14/23 16:27	SM 2510 B		BEL0615
Electrical Conductivity umhos	230	umhos/cm	10.0	1		12/14/23 16:27	SM 2510 B		BEL0615
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 08:48	Field		BEL0439
Nitrate Nitrogen as NO3N	0.7	mg/L	0.1	1	10	12/14/23 08:50	EPA 300.0		BEL0569
Temperature	25.0	units	0.0	1		12/14/23 16:27	SM 4500-H+	Н	BEL0615
pH	7.8	units	1.0	1		12/14/23 16:27	SM 4500-H+	Н	BEL0615



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Sample Results (Continued)

Sample: IW - Rd 11 New (Andrade)

23L0775-02 (Water)

Sampled: 12/12/2023 8:36

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.13	mmhos/cm	0.01	1		12/14/23 16:28	SM 2510 B		BEL0615
Electrical Conductivity umhos	1130	umhos/cm	10.0	1		12/14/23 16:28	SM 2510 B		BEL0615
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 08:36	Field		BEL0439
Nitrate Nitrogen as NO3N	0.3	mg/L	0.1	1	10	12/14/23 09:12	EPA 300.0		BEL0569
Temperature	25.0	units	0.0	1		12/14/23 16:28	SM 4500-H+	Н	BEL0615
рН	7.7	units	1.0	1		12/14/23 16:28	SM 4500-H+	Н	BEL0615



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Sample Results (Continued)

Sample: IW - Rd 11 Old (Andrade)

23L0775-03 (Water)

Sampled: 12/12/2023 8:42

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.06	mmhos/cm	0.01	1		12/14/23 16:30	SM 2510 B		BEL06
Electrical Conductivity umhos	1060	umhos/cm	10.0	1		12/14/23 16:30	SM 2510 B		BEL06
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 08:42	Field		BEL04
Nitrate Nitrogen as NO3N	29.5	mg/L	0.1	1	10	12/14/23 09:34	EPA 300.0		BEL05
Temperature	25.0	units	0.0	1		12/14/23 16:30	SM 4500-H+	Н	BEL06
pH	7.4	units	1.0	1		12/14/23 16:30	SM 4500-H+	Н	BEL06



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Sample Results (Continued)

Sample: IW - Orchard

23L0775-04 (Water)

Sampled: 12/12/2023 8:58

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.43	mmhos/cm	0.01	1		12/14/23 16:31	SM-2510 B		BEL0615
Electrical Conductivity umhos	1430	umhos/cm	10.0	1		12/14/23 16:31	SM 2510 B		BEL0615
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 08:58	Field		BEL0439
Nitrate Nitrogen as NO3N	0.4	mg/L	0.1	1	10	12/14/23 09:56	EPA 300.0		BEL0569
Temperature	25.0	units	0.0	1		12/14/23 16:31	SM 4500-H+	H	BEL0615
pH	7.7	units	1.0	1		12/14/23 16:31	SM-4500-H+	H	BEL0615



23L0775-05 (Water)

Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Sample Results (Continued)

Sample: IW #1 Sampled: 12/12/2023 8:24

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical-Conductivity	0.47	mmhos/cm	0.01	1		12/14/23_16:33	SM-2510-B		BEL0615
Electrical Conductivity umhos	468	umhos/cm	10.0	1		12/14/23 16:33	SM 2510 B		BEL0615
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 08:24	Field		BEL0439
Nitrate Nitrogen as NO3N	3.4	mg/L	0.1	1	10	12/14/23 10:17	EPA 300.0		BEL0569
Temperature	25.0	units	0.0	1		12/14/23 16:33	SM-4500-H+	H	BEL0615
рН	7.7	units	1.0	1		12/14/23 16:33	SM 4500-H+	H	BEL0615



23L0775-06 (Water)

Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Sample Results (Continued)

Sample: IW #2 Sampled: 12/12/2023 8:29

					•	•			
Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Floatuical Conductivity	1.18	mamah o a /ama	0.01	1		12/14/22 16:24	SM-2510 B		BEL061
Electrical Conductivity		mmhos/cm		1		12/14/23 16:34			
Electrical Conductivity umhos	1180	umhos/cm	10.0	1		12/14/23 16:34	SM 2510 B		BEL0615
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 08:29	Field		BEL0439
Nitrate Nitrogen as NO3N	0.4	mg/L	0.1	1	10	12/14/23 10:39	EPA 300.0		BEL0569
Temperature	25.0	units	0.0	1		12/14/23 16:34	SM-4500-H+	H	BEL0615
рН	7.6	units	1.0	1		12/14/23 16:34	SM-4500-H+	H	BEL0615



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0569									
Blank (BEL0569-BLK1)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0569-BLK2)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0569-BLK3)				Prepared 8	& Analyzed: 1	.2/14/2023			
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0569-BLK4)				Prepared 8	& Analyzed: 1	.2/14/2023			
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEL0569-BS1)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000		99.3	90-110		
LCS (BEL0569-BS2)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000		103	90-110		
LCS (BEL0569-BS3)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		98.7	90-110		
Duplicate (BEL0569-DUP1)	Source: 2	23L0625-01		Prepared 8	& Analyzed: 1	.2/14/2023			
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L		0.06			1.77	10
Duplicate (BEL0569-DUP2)	Source: 2	23L0674-01		Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L		0.06			0.00	10
Duplicate (BEL0569-DUP3)	Source: 2	23L0730-02		Prepared 8	& Analyzed: 1	.2/14/2023			
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L		0.05			1.83	10
Matrix Spike (BEL0569-MS1)	Source: 2	23L0625-01		Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	0.06	98.6	90-110		
Matrix Spike (BEL0569-MS2)	Source: 2	23L0674-01		Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.06	94.2	90-110		
Matrix Spike (BEL0569-MS3)	Source: 2	23L0730-02		Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.05	94.1	90-110		
Reference (BEL0569-SRM1)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00		97.4	90-110		
Reference (BEL0569-SRM2)				Prepared 8	& Analyzed: 1	2/14/2023			
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00	-	98.4	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0569 (Continued)									
Reference (BEL0569-SRM3)				Prepared 8	& Analyzed: 12	/14/2023			
Nitrate Nitrogen as NO3N	9.9		mg/L	10.00		99.0	90-110		
Reference (BEL0569-SRM4)				Prepared 8	k Analyzed: 12	/14/2023			
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.7	90-110		



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0615									
Blank (BEL0615-BLK1)				Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	4.7	1.0	units						
Blank (BEL0615-BLK2)				Prepared 8	& Analyzed: 1	2/14/2023			
Temperature	25.0	0.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.6	1.0	units						
Blank (BEL0615-BLK3)				Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.5	1.0	units						
Duplicate (BEL0615-DUP1)	Source:	23L0774-08		Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	0.53	0.01	mmhos/cm		0.53			1.05	10
pH	8.3	1.0	units		8.3			0.00	10
Electrical Conductivity umhos	528	10.0	umhos/cm		534			1.05	10
Duplicate (BEL0615-DUP2)	Source:	23L0776-01		Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	5.91	0.01	mmhos/cm		5.89			0.203	10
Electrical Conductivity umhos	5910	10.0	umhos/cm		5890			0.203	10
pH	7.0	1.0	units		7.0			0.286	10
Reference (BEL0615-SRM1)				Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	435		umhos/cm	426.0		102	90-110		
Reference (BEL0615-SRM2)				Prepared 8	& Analyzed: 1	2/14/2023			
рН	7.5		units	7.520		100	67021-101.32		
Reference (BEL0615-SRM3)				Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	1030		umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030		umhos/cm	1000		103	90-110		
Reference (BEL0615-SRM4)				Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	1030		umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030		umhos/cm	1000		103	90-110		
Reference (BEL0615-SRM5)				Prepared 8	& Analyzed: 1	2/14/2023			
Electrical Conductivity	1050		umhos/cm	1000		105	90-110		

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Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/13/2023 7:00 Reported: 12/20/2023 14:15

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0615 (Continued)								
Reference (BEL0615-SRM5)			Prepared	& Analyzed: 12	2/14/2023			
Electrical Conductivity umhos	1050	umhos/c	n 1000		105	90-110		
Reference (BEL0615-SRM6)			Prepared	& Analyzed: 12	2/14/2023			
рН	4.0	units	4.000		101	97.5-102.5		
Reference (BEL0615-SRM7)			Prepared	& Analyzed: 12	2/14/2023			
рН	4.0	units	4.000		101	97.5-102.5		
Reference (BEL0615-SRM8)			Prepared	& Analyzed: 12	2/14/2023			
pH	4.0	units	4.000		100	97.5-102.5		



Rec By

Check No.

Date

[] Yes

[] No

Amt Paid

12/13/23 07:00

23L0775



WATER WORK REQUEST	DELLAVALLE LABORATORY, INC. 1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
Acct No. Cons. 8	www.dellavallelab.com 559 233-6129 800 228-9896 • Fax 559 268-8174 No. of Samples Water Type: [] Drinking [] Wastewater Ag Water [] Ground Water [] Mon. Well
Purchase Order No. Results Needed By	[] Supply Water [] Other
Client Address 11380 Ave 22 City, State, Zip Chowchilla, CA 93610 Phone Fax Cell/Email	Analysis and Bottles Required: (Please Indicate Analysis) DWW1: (EC, pH, NO ₃ -N, NH ₄ -N Field Test) Pur maryanne (1) 1 L plastic, unpreserved (white) () DWW2: (DWW1 Plus SO ₄ , CO ₃ , HCO ₃ , Cl, Ca, Mg, Na, TDS)
Copy to Cardoso Ag Sevices - cas.labs@yahoo.co	(1) l L plastic, unpreserved (white)
Requested by Johnny Silveira - (559) 978-6087	() DCW1: (EC, NO ₃ -N, TDS)
Ranch (2 117 122	() DPW1: (EC, pH, NO ₃ -N, NH ₄ -N, TKN, TDS, TP, TK) (1) 1L plastic, unpreserved (white)
Sampled by Silveira	() DPW2: (DPW1 Plus Ca, Mg, Na, HCO ₃ , CO ₃ , SO ₄ , Cl) (1) 1L plastic, unpreserved (white)
[X]QA/QC Document [X]Copy of Chain []RWQC	CB () Other
DESCRIPTION OF SAMPLES .	Date Time Field Received NH4-N (mg/L) Temp °C
1. W- West (And vale appled From:	12/12/23 848A N 0.8/6
2. MV - Red II New (Andrade)	12/12/23 83/04 0 1.7 / 4
3. 1W-Rd 11 Old (Andreas)	12/12/23 8424 8 0.6 1-2
4. WA DYCMAYO Sampled From:	12/12/23 8584 8 03/-
5 (A) # Samuel From	12/12/23 87Uh & 0.1/8
6. Sampled From:	17/12/23 8290 8 ()(0(-1)
7. Sampled From:	IR Thomas
8. Sampled From:	IR Thermometer SN: 200560723 Correction Factor: 0°C Calibration Due: 03/06/2024 Location: Laboratory
9. Sampled From:	
10. Sampled From: CHAIN OF CUSTODY	IR Thermometer SN: 221511276 Correction Factor: 0°C Calibration Due: 03/06/2024 Location: Hanford
Carrier Signature Compa	any Received (Date/Time) Relinquished (Date/Time)
First USIVELVA SILVELVA	May 8412/23 858 A 12/12/23 gram
Second MPECINSO CAST	12/12/23 gram 12/12/23 3300
Third	12/12/25 5 50 gm
	ices. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Labor then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The prties will equally be	I. Terms are net 30 days, overthe accounts will be charged a dated damage fee of 27s per month (annually 24 %) or 55.00 per month whichever is greater. stately, len, it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, ear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in
	pping
Sampling Hrs Miles Consulting \$	In Out Signature
	Sample received in cooler with ice?

ctt:update 2020

	Container: Ice Chest Box Box N	one 🗆		F	Refriger	ant:	Wet Ice	Blu	ue Ice 🗆	None	9 0	
ON CONTRACTOR OF	Samples Preserved with HNO ₃ or H ₂ SO ₄ we		□ Rec	eived Pre	CONTRACTOR OF THE PERSON NAMED IN	THE RESIDENCE PARTY OF THE PART	CONTRACTOR DESCRIPTION OF THE PARTY OF THE P	d Upon F	SATISFACTOR OF THE PARTY OF THE	AND DESCRIPTION OF THE PARTY OF	atory	
-	Type of Container(s) Received	C. Yould 14	304 aV			Sample	Numbe	er				
AND DESCRIPTION OF THE PERSON NAMED IN		1	2	3	4	5	6	7	8	9	10	
	Samp		ainers that			.I) Use						
	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)	alest regi	12/1/14									
	250 mL unpreserved (White) Plastic	7600	- 70			Ш						
	250 mL HNO ₃ (Red) Plastic	10.194	m X									
CS	* pH Value	Delle Ball		12/13/23 07:00 23L0775								
Plastics	250 mL H ₂ SO ₄ (Yellow) Plastic				12/10	12001	.00					
۵.	* pH Value				1 40000	1 487					1	
	500 mL unpreserved (White) Plastic			# # # # # # # # # # # # # # # # # # #		10000000000000000000000000000000000000			10000000000000000000000000000000000000			
	1 L unpreserved (White) Plastic	1 10			1		1	13.9		-		
	1 L unpreserved (BOD) (Purple) Plastic			THE RESERVE TO SERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN TO SERVE THE PERSON NAMED IN COLUMN TO	179 (8-3)		E 10 27 -	Strain a		BOP OF S	1	
enouse a	500mL unpreserved (White) Glass										1	
	PO4-P Kit										1	
	Other:					-			White,	Daniel L	+	
	Sample Contain	ers for	Subcor	tracted	("Send	Out")	Analyse	es				
	(Containers tha											
DEFECTION	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									Table 1	T	
	250 mL unpreserved (White) Plastic											
Plastics	250 mL HNO ₃ (Red) Plastic	and the same									1	
	250 mL H ₂ SO ₄ (Yellow) Plastic	0100	To a second	in .	- 45.	1	F 7.10	la die				
	500 mL HNO ₃ (Red)					Other Springer	10000					
۵.	1 L unpreserved (White) Plastic		É		100.715	1 1 1 1 1	1964					
	1 L unpreserved (BOD) (Purple) Plastic					7954					- Allin	
	1 L HNO ₃ (Red)		130		W-1000-0-10	1 1 1 1	7411111111		To Supplemental Control of the Contr		+	
	40 mL AG VOA, Na ₂ S ₂ O ₃ + MCAA		-			last many	matti ilitationi		7 5 94 3	THE REAL PROPERTY.	_	
	40 mL AG VOA, Na ₂ S ₂ O ₃										+-	
S	40mL AG VOA unpreserved (White) (Set of 3	-									+	
5	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									1 5 7	+-	
VOA Vials	40mL VOA, H ₃ PO ₄ (Set of 3)										+-	
>	40 mL VOA, HCI (Blue) (Set of 3)					1				4.1		
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)								F		-	
erzekenne								- Indianaman			+	
	250 mL AG unpreserved (White) 250 mL AG H ₂ SO ₄ (Yellow)						-				+-	
	250 mL AG Na ₂ So ₂ (Tellow)							-		-	+-	
	250 mL AG Na ₂ S ₂ O ₃ (Green) 250 mL AG Na ₂ S ₂ O ₃ + MCAA			Lillia.							+	
10										-	+	
Glass	500 mL glass unpreserved (White)				in.						+	
0	500 mL AG HCI (Blue)			#50th the last							+-	
	1 L AG unpreserved (White)						3 2 63	1201		5,873	-	
	1 L AG H ₂ SO ₄ (Yellow)							13907			-	
	1 L AG Na ₂ S ₂ O ₃ (Green)										-	
	1 L AG HCI (Blue)										-	
	Cr ⁸⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃				The Table			N. S.	1982		-	
	Cyanide - 500 mL NaOH				P						-	
	Asbestos - 1L P wrapped in foil (Set of 2)	outlette.			1000	No.		N. Condition			-	
e C	Sulfide - 1 L AG or P NaOH + ZnAc										-	
Special	Chlorite/Bromate - 250 mL AG with EDA			- Supplemental Control						-	-	
	HAA5 - 250mL AG Ammonium Chlorite	Million of the second						12			-	
	DO KIT					-		-			-	
	Other:	799									-	
	Other:		1	1			1	1	i	1	1	



Report of Dairy Well Water Analysis

Silveira Dairy (Chowchilla)

11380 Ave 22

Chowchilla CA 93610

00-0021349 08

E-mail:

Copy To: cas.labs@yahoo.com

Lab No.: 23L0731
Sampled By: M. Pedroso
Requested By: Johnny Silveira

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

> Project: Crop ID:

		Date Sampled	Time Sampled	EC μmhos/cm	EC mmhos/cm	NO ₃ -N	Field NH ₄ -N mg/L	Total NH₄-N mg/L	pH at 25°C unit
1	DW - MB	12/11/23		268	0.27	0.2	ND ND		7.7
2 3	DW - Barn (Heifers) DW - House (Heifers)	12/11/23 12/11/23	14:35 14:30	333 287	0.33 0.29	0.3 1.1	ND ND		7.3 6.8

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

Approved By:

Laboratory Director\Technical Manager
ELAP Certification #1595

Scott M Frielland

A2LA Certification #6440.02



Report of Dairy Well Water Analysis

Silveira Dairy (Chowchilla)

11380 Ave 22

Chowchilla CA 93610

00-0021349 80

E-mail:

Copy To: cas.labs@yahoo.com

Lab No.: 23L0731 Sampled By: M. Pedroso Requested By: Johnny Silveira

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

> Project: Crop ID:

						Nitrogen agricultural use Calcs calculated from nitrate-N
	Date	Time	EC	EC mmhos/cm	NO₃-N mg/L	Ibs/AcFoot Ibs/AcInch
	Jampica	Campica	шттоз/стт	11111103/0111	mg/L	
1 DW - MB	12/11/23	14:40	268	0.27	0.2	0.55 0.05
2 DW - Barn (Heifers)	12/11/23	14:35	333	0.33	0.3	0.82 0.07
3 DW - House (Heifers)	12/11/23	14:30	287	0.29	1.1	3.00 0.25
Water for Crop Use			Total	Total	Nitrate	
Nutrient Management			Salts	Salts	Nitrogen	
Low Levels			< 900	< 0.90	< 2.0	
Significant Levels			900-2200	0.90-2.2	2.0-10.0	
High Levels			2200+	2.2+	10.0+	

Sampling abbreviations: H.B. = hose bib, S.P. = stand pipe, Dom. = domestic well, IR = irrigation well, AG = ag well.

Nitrate exceeds Water Quality MCL levels if results are above 10 mg/l nitrate-nitrogen NO3-N (equivalent to 45 mg/l nitrate, NO3).

Total Salt results are used to monitor changes of salt in the well aquifers between annual tests.

MCL = Maximum Contaminant Level according to the California Domestic Water Quality and Monitoring Regulations (Title 22)

MDL = Method Detection Limit; RL = Reporting Limit, mg/L = ppm.

SM = Standard Methods for the Examination of Water and Wastewater

EPA = Environmental Protection Agency methods used unless otherwise indicated.



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Сгор	Date Sampled
-23L0731-01	DW MB	Well Water	M. Pedroso		12/11/2023 14:40
23L0731-02	DW - Barn (Heifers)	Well Water	M. Pedroso		12/11/2023 14:35
23L0731-03	DW - House (Heifers)	Well Water	M. Pedroso		12/11/2023 14:30

Default Cooler

Temperature on Receipt °C: 1.1

Containers Intact COC/Labels Agree Received On Ice

Notes and Definitions

Item	Definition
Н	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

Scott M Frielland

ELAP Certification #1595 A2LA Certification #6440.02



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Sample Results

Sampled By: M. Pedroso

Sample: DW - MB

DW - MB Sampled: 12/11/2023 14:40

23L0731-01 (Water)

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.27	mmhos/cm	0.01	1		12/13/23 18:47	SM 2510 B		BEL0587
Electrical Conductivity umhos	268	umhos/cm	10.0	1		12/13/23 18:47	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/11/23 14:40	Field		BEL0402
Nitrate Nitrogen as NO3N	0.2	mg/L	0.1	1	10	12/13/23 13:19	EPA 300.0		BEL0350
Temperature	25.0	units	0.0	1		12/13/23 18:47	SM 4500-H+	Н	BEL0587
pH	7.7	units	1.0	1		12/13/23 18:47	SM 4500-H+	Н	BEL0587



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Sample Results (Continued)

Sample: DW - Barn (Heifers) 23L0731-02 (Water) Sampled: 12/11/2023 14:35 Sampled By: M. Pedroso

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.33	mmhos/cm	0.01	1		12/13/23 18:48	SM 2510 B		BEL0587
Electrical Conductivity umhos	333	umhos/cm	10.0	1		12/13/23 18:48	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/11/23 14:35	Field		BEL0402
Nitrate Nitrogen as NO3N	0.3	mg/L	0.1	1	10	12/13/23 13:40	EPA 300.0		BEL0350
Temperature	25.0	units	0.0	1		12/13/23 18:48	SM 4500-H+	Н	BEL0587
pH	7.3	units	1.0	1		12/13/23 18:48	SM 4500-H+	Н	BEL0587



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Sample Results (Continued)

Sample: DW - House (Heifers) 23L0731-03 (Water) Sampled: 12/11/2023 14:30 Sampled By: M. Pedroso

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.29	mmhos/cm	0.01	1		12/13/23 18:55	SM 2510 B		BEL0587
Electrical Conductivity umhos	287	umhos/cm	10.0	1		12/13/23 18:55	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/11/23 14:30	Field		BEL0402
Nitrate Nitrogen as NO3N	1.1	mg/L	0.1	1	10	12/13/23 14:01	EPA 300.0		BEL0350
Temperature	25.0	units	0.0	1		12/13/23 18:55	SM 4500-H+	Н	BEL0587
pH	6.8	units	1.0	1		12/13/23 18:55	SM 4500-H+	Н	BEL0587



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Quality Control

		Reporting		Spike	Source		%REC		RPD
Analyte	Result Qual	Limit	Units	Level	Result	%REC	Limits	RPD	Limit
Batch: BEL0350									
Blank (BEL0350-BLK1)				Prepared 8	& Analyzed: 12	/12/2023			
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK2)				Prepared 8	& Analyzed: 12	/12/2023			
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK3)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK4)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0350-BLK5)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEL0350-BS1)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	4.6	0.1	mg/L	5.000		92.8	90-110		
LCS (BEL0350-BS2)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	5.4	0.1	mg/L	5.000		107	90-110		
LCS (BEL0350-BS3)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	4.7	0.1	mg/L	5.000		94.3	90-110		
LCS (BEL0350-BS4)			Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	4.6	0.1	mg/L	5.000		92.7	90-110		
Duplicate (BEL0350-DUP1)	Source: 2	3L0592-01	Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	0.08	0.1	mg/L		0.08			0.00	10
Duplicate (BEL0350-DUP2)	Source: 2	3L0594-01	Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	0.09	0.1	mg/L		0.09			5.65	10
Duplicate (BEL0350-DUP3)	Source: 2	3L0724-01	Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	0.6	0.1	mg/L		0.6			1.23	10
Duplicate (BEL0350-DUP4)	Source: 2	3L0731-01	Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L		0.2			0.466	10
Matrix Spike (BEL0350-MS1)	Source: 2	3L0592-01		Prepared 8	& Analyzed: 12	/12/2023			
Nitrate Nitrogen as NO3N	4.6	0.1	mg/L	5.000	0.08	90.7	90-110		
Matrix Spike (BEL0350-MS2)	Source: 2	3L0594-01	Pre	epared: 12/12	2/2023 Analyz	ed: 12/13/20	023		
Nitrate Nitrogen as NO3N	4.7	0.1	mg/L	5.000	0.09	91.7	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Quality Control (Continued)

		Reporting		Spike	Source		%REC		RPD
Analyte	Result Qual	Limit	Units	Level	Result	%REC	Limits	RPD	Limit
Batch: BEL0350 (Continued)									
Matrix Spike (BEL0350-MS4)	Source: 2	23L0731-01	Pre	pared: 12/12	2/2023 Analyz	ed: 12/13/20)23		
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	0.2	93.7	90-110		
Reference (BEL0350-SRM1)				Prepared 8	& Analyzed: 12	2/12/2023			
Nitrate Nitrogen as NO3N	9.2		mg/L	10.00		92.0	90-110		
Reference (BEL0350-SRM2)			Pre	pared: 12/12	2/2023 Analyz	ed: 12/13/20)23		
Nitrate Nitrogen as NO3N	9.3		mg/L	10.00		92.6	90-110		
Reference (BEL0350-SRM3)			Pre	pared: 12/12	2/2023 Analyz	ed: 12/13/20)23		
Nitrate Nitrogen as NO3N	9.3		mg/L	10.00		92.7	90-110		
Reference (BEL0350-SRM4)			Pre	pared: 12/12	2/2023 Analyz	ed: 12/13/20)23		
Nitrate Nitrogen as NO3N	9.4		mg/L	10.00		93.6	90-110		
Reference (BEL0350-SRM5)			Pre	pared: 12/12	2/2023 Analyz	ed: 12/13/20)23		
Nitrate Nitrogen as NO3N	9.2		mg/L	10.00		92.2	90-110		



Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Quality Control (Continued)

Blank (BEL0587 - BLAT) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 Prepared & Prepare	Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Rectange Conductivity ND	Batch: BEL0587									
Temperature 15.0	Blank (BEL0587-BLK1)				Prepared 8	& Analyzed: 1	2/13/2023			
Paragraph	Electrical Conductivity	ND	0.01	mmhos/cm						
Blank (BELOS87-BLK2)	Temperature	25.0	0.0	units						
Blank (BELOS87-BLK2)	pH	5.5	1.0	units						
Beatrical Conductivity	Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	Blank (BEL0587-BLK2)				Prepared 8	& Analyzed: 1	2/13/2023			
PH 1,3 1,0	Electrical Conductivity	ND	0.01	mmhos/cm						
Blank (BEL0587-BLK3)	Temperature	25.0	0.0	units						
Blank (BEL0587-BLK3)	pH	7.3	1.0	units						
Temperature	Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blectrical Conductivity	Blank (BEL0587-BLK3)				Prepared 8	& Analyzed: 1	2/13/2023			
PH 1.0	Temperature	25.0	0.0	units						
Electrical Conductivity umhos ND 10.0 umhos/cm	Electrical Conductivity	ND	0.01	mmhos/cm						
Duplicate (BEL0587-DUP1) Source: 23L0731-02 Prepared & Analyzed: 12/13/2023 10	pH	7.7	1.0	units						
Electrical Conductivity	Electrical Conductivity umhos	ND	10.0	umhos/cm						
Electrical Conductivity umhos pH	Duplicate (BEL0587-DUP1)	Source:	23L0731-02		Prepared 8	& Analyzed: 1	2/13/2023			
Duplicate (BEL0587-DUP2) Source: 23L0737-03 Prepared & Analyzed: 12/13/2023 Source: 23L0737-03 Source: 23L0737-03 Prepared & Analyzed: 12/13/2023 Source: 23L0737-03	Electrical Conductivity	0.34	0.01	mmhos/cm		0.33			0.509	10
Duplicate (BEL0587-DUP2) Source: 23L0737-03 Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 3.31 10 Electrical Conductivity umhos 682 10.0 umhos/cm 659 3.31 10 pH 8.3 1.0 units 8.3 0.00 10 Reference (BEL0587-SRM1) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 pH 7.5 units 7.520 100 67021-101.3 Reference (BEL0587-SRM3) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110 Reference (BEL0587-SRM4) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5) Prepared & Analyzed: 12/13/2023 Prepared	Electrical Conductivity umhos	335	10.0	umhos/cm		333			0.509	10
Electrical Conductivity	рН	7.2	1.0	units		7.3			1.66	10
Electrical Conductivity umhos 682 10.0 umhos/cm 659 3.31 10 pH 8.3 1.0 units 8.3 0.00 10 Reference (BEL0587-SRM1)	Duplicate (BEL0587-DUP2)	Source:	23L0737-03		Prepared 8	& Analyzed: 1	2/13/2023			
PH 8.3 1.0 units 8.3 0.00 10	Electrical Conductivity	0.68	0.01	mmhos/cm		0.66			3.31	10
Reference (BEL0587-SRM1) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 448 umhos/cm 426.0 105 90-110 Reference (BEL0587-SRM2) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 Reference (BEL0587-SRM3) Prepared & Analyzed: 12/13/2023 Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110 Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110 Reference (BEL0587-SRM4) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1070 umhos/cm 1000 107 90-110 Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5)	Electrical Conductivity umhos	682	10.0	umhos/cm		659			3.31	10
Reference (BEL0587-SRM2)	pH	8.3	1.0	units		8.3			0.00	10
Reference (BEL0587-SRM2) Prepared & Analyzed: 12/13/2023 pH 7.5 units 7.520 100 67021-101.3; Reference (BEL0587-SRM3) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1080 umhos/cm 1000 108 90-110 Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110 Reference (BEL0587-SRM4) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1070 umhos/cm 1000 107 90-110 Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5) Prepared & Analyzed: 12/13/2023 Prepared & Analyzed: 12/13/2023	Reference (BEL0587-SRM1)				Prepared 8	& Analyzed: 1	2/13/2023			
pH 7.5 units 7.520 100 67021-101.33 Reference (BEL0587-SRM3) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1080 umhos/cm 1000 108 90-110 Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110 Reference (BEL0587-SRM4) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5) Prepared & Analyzed: 12/13/2023	Electrical Conductivity	448		umhos/cm	426.0	-	105	90-110		
pH 7.5 units 7.520 100 67021-101.33 Reference (BEL0587-SRM3) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1080 umhos/cm 1000 108 90-110 Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110 Reference (BEL0587-SRM4) Prepared & Analyzed: 12/13/2023 Electrical Conductivity 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5) Prepared & Analyzed: 12/13/2023	Reference (BEL0587-SRM2)				Prepared 8	& Analyzed: 1	2/13/2023			
Electrical Conductivity		7.5		units	-	· 		67021-101.32		
Electrical Conductivity	Reference (BEL0587-SRM3)				Prepared 8	& Analyzed: 1	2/13/2023			
Electrical Conductivity umhos 1080 umhos/cm 1000 108 90-110		1080		umhos/cm	•	•		90-110		
Electrical Conductivity 1070 umhos/cm 1000 107 90-110 Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5)	•	1080		umhos/cm	1000		108	90-110		
Electrical Conductivity 1070 umhos/cm 1000 107 90-110 Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5)	Reference (BEL0587-SRM4)				Prepared 8	& Analyzed: 1	2/13/2023			
Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110 Reference (BEL0587-SRM5) Prepared & Analyzed: 12/13/2023		1070		umhos/cm	-	•		90-110		
	Electrical Conductivity umhos	1070		umhos/cm	1000		107	90-110		
	Reference (BEL0587-SRM5)				Prepared 8	& Analyzed: 1	2/13/2023			
	•	1060		umhos/cm	•	•		90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Account# 00-0021349
Account Manager: Ben Nydam
Submitted By: Johnny Silveira

Received: 12/12/2023 15:53 Reported: 12/18/2023 12:46

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0587 (Continued)								
Reference (BEL0587-SRM5)			Prepared 8	& Analyzed: 12	2/13/2023			
Electrical Conductivity umhos	1060	umhos/cr	n 1000		106	90-110		
Reference (BEL0587-SRM6)			Prepared 8	& Analyzed: 12	2/13/2023			
pH	4.0	units	4.000		101	97.5-102.5		
Reference (BEL0587-SRM7)			Prepared 8	& Analyzed: 12	2/13/2023			
рН	4.0	units	4.000		101	97.5-102.5		
Reference (BEL0587-SRM8)			Prepared 8	& Analyzed: 12	2/13/2023			
pH	4.0	units	4.000		100	97.5-102.5		



12/12/23 15:53

23L0731

Check No.



WATER WORK REQUEST

	TER WORK REQ	UEST	DELLAVALLE LABORATORY, INC. 1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
Bill To:	21349 Con	8	www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174 No. of Samples No. Bottles
Bill 10.	21317		Water Type: [] Drinking [] Wastewater
		the state of the s	Ag Water [] Ground Water [] Mon. Well
Purchase Order No.	Results Needed By		[] Supply Water [] Other
Client	Silveira Dairy	(Chowchilla)	Analysis and Bottles Required: (Please Indicate Analysis)
Address	11380 A	ve 22	DWW1: (EC, pH, NO ₃ -N, NH ₄ -N Field Test)
City, State, Zip		CA 93610	(1) l L plastic, unpreserved (white)
Phone	Fax		() DWW2: (DWW1 Plus SO ₄ , CO ₃ , HCO ₃ , Cl, Ca, Mg, Na, TDS)
Continun			(1) l L plastic, unpreserved (white)
Copy to Ca	rdoso Ag Sevices - cas.	labs@yahoo.com	
Dogwood by	Johnny Silvairo	(550) 078 6087	() DCW1: (EC, NO ₃ -N, TDS)
Requested by	Johnny Silveira -	(339) 978-0087	(1) l L plastic, unpreserved (white)
Ranch			() DPW1: (EC, pH, NO ₃ -N, NH ₄ -N, TKN, TDS, TP, TK)
	ph.b2		(1) l L plastic, unpreserved (white)
Date sampled	1011173		() DPW2: (DPW1 Plus Ca, Mg, Na, HCO ₃ , CO ₃ , SO ₄ , Cl)
Sampled by	mpedros	0	(1) 1 L plastic, unpreserved (white)
-	AND ASSESSED TO SELECT A SECOND	Dies site es	_ (1) 12 passes, ampressor real (mine)
[X]QA/QC Docum	ment [X] Copy of Cha	in [] RWQCB	() Other
DESCRIPTION OF	SAMPLES		Date Time Field Received Sampled Sampled NH4-N (mg/L) Temp °C
DESCRIPTION OF	SAWII EES	Control Control of Paris Control of Control	I al la a a a a a a a a a a a a a a a a
1. W-YYY	Sampled	From:	141113 2401
2 DAL- Bay	nCHELLEY (Sampled	From:	12/11/23 2381 10,9
011 110	cel Noile	ye tarahan katalan katalan dan sa	121 122 224 0 11
3. W-+W	J&CHUIT Sampled	From:	141113 2501 11
4.	Sampled	From:	
5.	Sampled	From:	
6.	Sampled	From:	
age or step or the con-			and the second s
7.	Sampled	From:	IR Thermometer SN: 192603727
8.	Sampled	From:	Correction Factor: 0°C Calibration Due: 03/06/2024
0			Calibration Due: 03/05/2007 Location: Laboratory
9.	Sampled	From:	
10.	Sampled	From:	
CHAIN OF CUST	ODY		1 10 50 50 50 50 50 50 50 50 50 50 50 50 50
Carrier	Signature	Company	Received (Date/Time) Relinquished (Date/Time)
First	much	CASINC	12/11/23 240 12/12/23/29:3000
Second	51.F	DIXI	12-12-23 9:30 17-12-23 2:01
	14	511	12/17 5153
Third	MPL	-DL1	12/12 15/53
Fourth		In the second	
attorneys' fees. It is understood that pay If payment is not made when due then the dispute will be submitted to bit the event of arbitration, reasonable attor	yment is expected to be cash with samples unless ter e and a legitimate dispute exists concerning the prod nding arbitration through cal under its Rules and Pr	ms have been previously arranged. Terms are nut or services of Dellavalle Laboratory, Inc., it occdures. The prties will equally bear the costs	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, reasonal net 30 days, overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater, it will be submitted to mediation under the Rules and Proceduresi for Teartive Alternative to Ligation Inc. (call). If the dispute is not resolved in mediations of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the foundation of the procedure
Invoicing Information:		Shipping	
Cameling II	Miles Consulting	5	Out Signature
Sampling Hrs	Miles Consulting	3	Out Signature Sample received in cooler with ice?

[] Yes

[] No

ctt:update 2020

	Container: Ice Chest X Box D No		AND I	F	efriger	ant:	Wet Ice	e Bl	ue Ice 🗆	None		
	Samples Preserved with HNO ₃ or H ₂ SO ₄ we	re:	□ Rec	eived Pre	eserved	اه	Preserve	d Upon f	Receipt a	t Labora	tory	
	Type of Container(s) Received	Sample Number										
		1	2	3	4	5	6	7	8	9	10	
				or Inter	STATE OF THE PARTY OF THE PARTY.	I) Use						
	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)	Comain	Cr3 triat	gomot	T Lab)							
	250 mL unpreserved (White) Plastic											
	250 mL HNO ₃ (Red) Plastic											
	* pH Value	545 1 36	001.0704									
Plastics	250 mL H ₂ SO ₄ (Yellow) Plastic	12/12/23 15:53 23L0/31										
Pla	* pH Value											
	500 mL unpreserved (White) Plastic							10000		-		
	1 L unpreserved (White) Plastic					100	32 50	2000				
	1 L unpreserved (BOD) (Purple) Plastic	311 77										
	500mL unpreserved (White) Glass	CHAP D		-								
=	PO4-P Kit	1,21										
	Other:								Distance of the last of the la			
	Sample Containe	rs for S	Subcon	tracted	("Send	Out")	Analyse	25				
	(Containers that				THE REAL PROPERTY OF THE PARTY	AND PERSONAL PROPERTY OF THE PARTY OF THE PA						
	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)			-			a second		1	1		
	250 mL unpreserved (White) Plastic	93	3(3)		Y 1975	S. Cons	d r to te		Allega	does	0(2)	
	250 mL HNO ₃ (Red) Plastic							1	7			
tics	250 mL H ₂ SO ₄ (Yellow) Plastic		- 200				-		The state of the state of			
Plastics	500 mL HNO ₃ (Red)	54-11	at a s						- 4	/\/		
-	1 L unpreserved (White) Plastic						100					
	1 L unpreserved (BOD) (Purple) Plastic			3722		L - 100 - 10	A.	12.7	WELL LA	7	-	
	1 L HNO ₃ (Red)	The state	87			and the same		N. W.F.	197	NA.		
	40 mL AG VOA, Na ₂ S ₂ O ₃ + MCAA									#10000 #10000		
	40 mL AG VOA, Na ₂ S ₂ O ₃					Territoria (Ma	The state of the s					
als	40mL AG VOA unpreserved (White) (Set of 3			196, 194								
>	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)							165.7				
VOA Vials	40mL VOA, H ₃ PO ₄ (Set of 3)								-	-		
	40 mL VOA, HCI (Blue) (Set of 3)							1				
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)											
	250 mL AG unpreserved (White)											
	250 mL AG H ₂ SO ₄ (Yellow)				7		9 31					
	250 mL AG Na ₂ S ₂ O ₃ (Green)									1		
	250 mL AG Na ₂ S ₂ O ₃ + MCAA		Anna Tara		Vanish.		passing					
SS	500 mL glass unpreserved (White)						1-1-	-				
Glass	500 mL AG HCI (Blue)											
	1 L AG unpreserved (White)		4			7		7.7				
	1 L AG H ₂ SO ₄ (Yellow)		No.					100				
	1 L AG Na ₂ S ₂ O ₃ (Green)			10,000						20159		
	1 L AG HCI (Blue)	1007	· //		h. \ ->	- 13-1		N. P. C.				
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃											
	Cyanide - 500 mL NaOH		All y							-	-	
	Asbestos - 1L P wrapped in foil (Set of 2)					115000		Territoria		14 T 1 1 1 1		
	Sulfide - 1 L AG or P NaOH + ZnAc					Sept H	100	Contraction		1200		
Special	Chlorite/Bromate - 250 mL AG with EDA			7				1	F			
Sp	HAA5 - 250mL AG Ammonium Chlorite					18.7						
	DO KIT		//2003				Line II	100	-	- 1,680 1 /0.		
		· Comment	107							B		
	Other:											