#### DAIRY FACILITY INFORMATION

#### A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY: Del Arco Dairy

Physical address of dairy:

4738 120 AVECorcoranTulare93212Number and StreetCityCountyZip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/2003

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X291-X060-X021-XXXX

#### **B. OPERATORS**

Gorzeman, Randy or Travis			
Operator name: Gorzeman, Randy or Travis	Telephone	e no.:	(559) 331-5259
•		Landline	Cellular
4738 120 AVE	Corcoran	CA	93212
Mailing Address Number and Street	City	State	Zip Code
This operator is responsible for paying permit fees.			

#### C. OWNERS

Gorzeman, Randy or Travis			
Legal owner name: Gorzeman, Randy or Travis	Telep	none no.:  Landline	(559) 905-7544 Cellular
4738 120 AVE Mailing Address Number and Street	Corcoran City	CA State	93212 Zip Code

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	1,759	171	235	0	0	0
Number under roof	0	0	0	0	0	0
Maximum number	1,775	182	249	0	0	0
Average number	1,759	171	235	0	0	0
Avg live weight (lbs)	1,400	1,450	1,000	0		

Predominant milk cow breed: Holstein

Average milk production: 75 pounds per cow per day

#### **B. MANURE GENERATED**

Total manure excreted by the herd: 51,114.47 tons per reporting period

Total nitrogen from manure: 656,938.17 lbs per reporting period After ammonia losses (30% loss applied): 459,856.72 lbs per reporting period

Total phosphorus from manure: 110,247.17 lbs per reporting period
Total potassium from manure: 342,643.04 lbs per reporting period
Total salt from manure: 867,546.60 lbs per reporting period

#### **C. PROCESS WASTEWATER GENERATED**

Process wastewater generated: 54,021,953 gallons
Total nitrogen generated: 103,689.71 lbs
Total phosphorus generated: 20,689.51 lbs
Total potassium generated: 146,105.82 lbs
Total salt generated: 950,654.87 lbs

	54,021,953 gallons applied
+	0 gallons exported
	0 gallons imported
=	54,021,953 gallons generated

#### D. FRESH WATER SOURCES

Source Description	Туре
DW1	Ground water
DW2	Ground water
IW1	Ground water
Lower Tule I.D.	Surface 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**

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/31/20	23 Corral solids	3,420.00 ton	Dry-weight	17.4		20,600.00	7,000.00	15,400.00		0.00

#### No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	116,386.70	39,548.88	87,007.54	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	116,386.70	39,548.88	87,007.54	0.00

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
1	125	125	2	process wastewater	X291-X060-X021-XXXX
2	47	47	2	process wastewater	X291-X060-X021-XXXX
3	25	25	2	process wastewater	X293-X270-X014-XXXX
					X293-X270-X015-XXXX
					X293-X270-X016-XXXX
					X293-X270-X017-XXXX
					X293-X270-X018-XXXX
					X293-X270-X019-XXXX
Totals for areas that were used for application	197	197	6		
Totals for areas that were not used for application					
Land application area totals	197	197	6		

#### **B. CROPS AND HARVESTS**

d name: <u>1</u>												
16/2022: Tritica	ale, soft doug	jh										
crop: Triticale, s	oft dough								Acres planted	d: <u>125</u> F	Plant date: 11/16	3/202
Harvest date		Yield	Reporting ba	asis	Density (lbs/cu	uft) Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
05/18/2023	2,650.00	ton	Dry-weight			67.6	13,500.00	2,900.00	17,900.00		9.11	
		Yield	(tons/acre)	Total	N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acr	e) Salt (	lbs/acre)			
Anticipated harve	est content		22.00		220.00	37.40	165.0	00	1,496.00			
Total actual harv	est content		21.20		185.46	39.84	245.9	90	1,251.50			

/28/2023: Corr	ı, silage												
Crop: Corn, sila	ige									Acres planted:	125	Plant date: 06	/28/2023
Harvest date		Yield	Reporting ba	asis	Density (lbs/cu	uft) Moisture (%)	N (mg/kg)		P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
10/18/2023	3,450.00	ton	Dry-weight			66.5	11,800.00		2,400.00	8,600.00		4.85	
		Yield	(tons/acre)	Tota	al N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/ac	cre)	Salt (	(lbs/acre)			
Anticipated har	est content		30.00		240.00	45.00	198	.00		1,500.00			
Total actual har	vest content		27.60		218.21	44.38	159	.03		896.86			

d name: 2											
16/2022: Tritica	ale, soft dou	gh									
Crop: <u>Triticale, s</u>	oft dough							Acres planted:	47	Plant date: 11	/16/2022
Harvest date		Yield	Reporting ba	asis Density (lbs/cu	ft) Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
05/18/2023	1,010.00	0 ton	Dry-weight		64.6	13,800.00	2,800.00	15,500.00		8.41	
		Yield	(tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre	) Salt (	(lbs/acre)			
Anticipated harv	est content		22.00	220.00	37.40	165.00	)	1,496.00			
Total actual harv	est content		21.49	209.96	42.60	235.82	2	1,279.54			
29/2023: Corn,	silage										
Crop: Corn, sila	ge							Acres planted:	47	Plant date: 06	/29/2023
Harvest date		Yield	Reporting ba	asis Density (lbs/cu	ft) Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	
10/18/2023	1,275.00	0 ton	Dry-weight		68.0	11,500.00	2,200.00	9,500.00		5.21	
		Yield	(tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre	) Salt (	(lbs/acre)			
Anticipated harve	est content		30.00	240.00	45.00	198.00	)	1,500.00			
Anticipated naiv											

22/2022: Tritica	ale, soft dough									
Crop: <u>Triticale, s</u>	oft dough							Acres planted:	25	Plant date: 11/22/2022
Harvest date		Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/17/2023	530.00 t	on	Dry-weight		63.2	13,400.00	3,200.00	19,700.00		10.00
		Yield	I (tons/acre)	Total N (lbs/acre)	otal P (lbs/acre)	Total K (lbs/acre)	) Salt (	lbs/acre)		
Anticipated harv	est content		22.00	220.00	37.40	165.00	)	1,496.00		
Total actual harv	est content		21.20	209.08	49.93	307.38	3	1,560.32		
	eilage									
/30/2023: Corn.										
	-							Acres planted:	25	Plant date: 06/30/202
	-	Yield	Reporting basis	s Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	Acres planted:	25 Salt (mg/kg)	
Crop: Corn, sila	-		Reporting basis	Density (lbs/cu ft)	Moisture (%) 65.9	N (mg/kg) 11,300.00	P (mg/kg) 2,400.00			
Crop: Corn, sila	ge	ton	Dry-weight	,		, e e,	2,400.00	K (mg/kg)		TFS (%)
	ge 720.00 <i>t</i>	ton	Dry-weight	,	65.9	11,300.00	2,400.00 ) Salt (	K (mg/kg) 9,300.00		TFS (%)

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

#### NUTRIENT BUDGET

#### A. LAND APPLICATIONS

eld name: 1								
op: Triticale, soft dough						PI	ant date: 11/16/2022	
pplication date Application method		Precipitation 24 hours prior		Precipitation during application		n Precipitat	Precipitation 24 hours following	
10/24/2022 Surface (irrigation)		No precipitation		No precipitation		No precip	No precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Lagoon	Process wastewater		68.09	17.20	86.29	1,167.29	4,700,232.00 gal	
Lower Tule I.D.	Surface water		0.00	0.00	0.00	33.00	16,476,500.00 gal	
Application event totals			68.09	17.20	86.29	1,200.29		
01/26/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precip	itation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Lagoon	Process wastewater		96.88	17.82	134.35	441.59	4,008,840.00 gal	
Lower Tule I.D.	Surface water		0.00	0.00	0.00	30.94	15,448,700.00 gal	
Application event totals			96.88	17.82	134.35	472.53		
04/07/2023 Surface (irrigation)		No precipitation		No precipitation	n	No precip	itation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Lagoon	Process wastewater		81.12	14.92	112.49	369.74	3,356,550.00 <i>gal</i>	
Lower Tule I.D.	Surface water		0.00	0.00	0.00	28.25	14,105,000.00 gal	
Application event totals			81.12	14.92	112.49	397.99		

1 - 06/28/2023:	Corn, silage			
Field name:	1			
Crop:	Corn, silage			Plant date: 06/28/2023
Application da	ate Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

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#### 1 - 06/28/2023: Corn, silage Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following 06/08/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount 6,508,540.00 gal Process wastewater 60.83 13.90 168.16 460.58 Lagoon Lower Tule I.D. Surface water 0.00 0.00 0.00 35.65 17,798,984.00 gal Application event totals 60.83 13.90 168.16 496.23 07/18/2023 No precipitation Surface (irrigation) No precipitation No precipitation Source description Material type K (lbs/acre) Salt (lbs/acre) N (lbs/acre) P (lbs/acre) Amount Lower Tule I.D. Surface water 0.00 0.00 0.00 40.05 19,998,980.00 gal Application event totals 0.00 0.00 0.00 40.05 Surface (irrigation) No precipitation 07/29/2023 No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount 5.309.880.00 gal Lagoon Process wastewater 74.09 13.72 79.41 797.60 Lower Tule I.D. Surface water 0.00 0.00 0.00 34.76 17,354,400.00 gal Application event totals 74.09 13.72 79.41 832.35 08/09/2023 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 Process wastewater 69.56 12.88 74.56 748.89 4,985,650.00 gal Lower Tule I.D. 0.00 0.00 0.00 36.05 17,998,980.00 gal Surface water Application event totals 12.88 69.56 74.56 784.94 08/21/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) | Salt (lbs/acre) Amount Process wastewater 65.70 12.17 70.42 707.32 4,708,884.00 gal Lagoon Lower Tule I.D. Surface water 0.00 0.00 0.00 35.82 17,884,542.00 gal Application event totals 70.42 65.70 12.17 743.14

olication date Application method		Precipitation 24 hours prior		Precipitation d	Precipitation during application  No precipitation		Precipitation 24 hours following  No precipitation	
09/05/2023 Surface (irrigation)	5/2023 Surface (irrigation)		No precipitation					
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun	
Lower Tule I.D.	Surface water		0.00	0.00	0.00	35.96	17,954,500.00 gal	
Application event totals			0.00	0.00	0.00	35.96		
09/21/2023 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)	Amoun	
Lower Tule I.D.	Surface water		0.00	0.00	0.00	35.18	17,565,650.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	35.18		

ield name: 2									
rop: Triti	cale, soft dough						Pla	ant date: 11/16/2022	
Application date			Precipitation 24 hours prior Precipitation		Precipitation d	Precipitation during application Precipitation		recipitation 24 hours following	
10/28/2022	/2022 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)	Amour	
Lagoon		Process wastewater		85.02	21.47	107.74	1,457.49	2,206,650.00 gal	
Lower Tule I.D	,	Surface water		0.00	0.00	0.00	31.98	6,004,540.00 gal	
Application eve	ent totals			85.02	21.47	7 107.74 1,489.47			
01/16/2023	Surface (irrigation)		No precipitation		No precipitatio	n	No precipi	tation	
Source descrip	otion	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amour	
Lagoon		Process wastewater		94.41	17.37	130.92	430.32	1,468,850.00 <i>gal</i>	
Lower Tule I.D		Surface water		0.00	0.00	0.00	36.78	6,905,520.00 gal	
Application eve	ent totals			94.41	17.37	130.92	467.10		

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#### 2 - 11/16/2022: Triticale, soft dough Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following 04/03/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Process wastewater 90.31 16.61 125.23 411.61 1,405,002.00 gal Lagoon Lower Tule I.D. 0.00 0.00 32.51 6,103,220.00 gal Surface water 0.00 Application event totals 90.31 16.61 125.23 444.12

eld name: 2							
Corn, silage						Pla	ant date: 06/29/2023
Application date Application method		Precipitation 24 ho	ours prior	Precipitation d	uring applicatio	n Precipitati	on 24 hours following
06/11/2023 Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description	Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amoun
Lagoon	Process wastewater		65.54	14.98	181.17	496.22	2,636,565.00 gal
Lower Tule I.D.	Surface water		0.00	0.00	0.00	34.54	6,484,840.00 gal
Application event totals			65.54	14.98	181.17	530.76	
07/19/2023 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		74.18	13.74	79.50	798.58	1,998,980.00 <i>gal</i>
Lower Tule I.D.	Surface water		0.00	0.00	0.00	33.61	6,309,542.00 gal
Application event totals			74.18	13.74	79.50	832.19	
07/31/2023 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)	Amoun
Lower Tule I.D.	Surface water		0.00	0.00	0.00	38.59	7,245,420.00 gal
Application event totals			0.00	0.00	0.00	38.59	

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#### 2 - 06/29/2023: Corn, silage Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following 08/13/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) | Salt (lbs/acre) Amount 72.44 1,821,365.00 gal Lagoon Process wastewater 67.59 12.52 727.63 Lower Tule I.D. 0.00 Surface water 0.00 0.00 36.63 6,876,230.00 gal Application event totals 12.52 72.44 764.25 67.59 No precipitation 08/26/2023 Surface (irrigation) No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Process wastewater 622.61 1,558,500.00 gal Lagoon 57.83 10.71 61.98 Lower Tule I.D. Surface water 0.00 0.00 0.00 35.33 6,632,550.00 gal Application event totals 10.71 657.94 57.83 61.98 09/09/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type P (lbs/acre) K (lbs/acre) Salt (lbs/acre) N (lbs/acre) Amount Lower Tule I.D. Surface water 0.00 0.00 0.00 36.41 6,835,660.00 gal Application event totals 0.00 0.00 0.00 36.41 09/24/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type Salt (lbs/acre) N (lbs/acre) P (lbs/acre) K (lbs/acre) Amount Lower Tule I.D. Surface water 0.00 0.00 0.00 32.52 6,105,590.00 gal Application event totals 0.00 0.00 0.00 32.52

3 - 11/22/2022: Triticale, soft dough			
Field name: 3			
Crop: Triticale, soft dough			Plant date: 11/22/2022
Application date   Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

#### 3 - 11/22/2022: Triticale, soft dough Precipitation during application Application date | Application method Precipitation 24 hours prior Precipitation 24 hours following 11/01/2022 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount 22.98 115.34 1,560.24 1,256,500.00 gal Lagoon Process wastewater 91.01 Lower Tule I.D. 0.00 Surface water 0.00 0.00 30.09 3,005,020.00 gal Application event totals 22.98 1.590.33 91.01 115.34 Surface (irrigation) No precipitation No precipitation 01/27/2023 No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Process wastewater 17.93 135.15 444.22 806,540.00 gal Lagoon 97.46 Lower Tule I.D. Surface water 0.00 0.00 0.00 28.49 2,845,470.00 gal Application event totals 97.46 17.93 135.15 472.71 03/30/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Lagoon Process wastewater 85.85 15.80 119.06 391.32 710,500.00 gal Lower Tule I.D. 0.00 0.00 0.00 25.07 2,503,600.00 gal Surface water Application event totals 85.85 15.80 119.06 416.39

06/30/2023: Co	rn, silage								
ield name: 3									
Crop: Cor	n, silage						Pla	ant date: <u>06/30/2023</u>	
Application date	cation date Application method			Precipitation 24 hours prior Precipitation d		during application Precipitation		on 24 hours following	
06/11/2023	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)	Amou	
Lagoon		Process wastewater		66.53	15.21	183.90	503.69	1,423,550.00 gal	
Lower Tule I.D		Surface water		0.00	0.00	0.00	32.06	3,201,980.00 gal	
Application eve	ent totals			66.53	15.21	183.90	535.76		

#### 3 - 06/30/2023: Corn, silage Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following 07/20/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Lower Tule I.D. Surface water 0.00 0.00 0.00 38.52 3,846,880.00 gal Application event totals 0.00 0.00 0.00 38.52 08/02/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount 966.24 1,286,520.00 gal Process wastewater 89.75 16.62 96.19 Lagoon Lower Tule I.D. 0.00 0.00 34.10 Surface water 0.00 3,405,650.00 gal Application event totals 89.75 16.62 96.19 1,000.35 08/14/2023 Surface (irrigation) No precipitation No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Lower Tule I.D. Surface water 0.00 0.00 0.00 39.71 3,965,650.00 gal Application event totals 0.00 0.00 0.00 39.71 Surface (irrigation) No precipitation 08/27/2023 No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount 987,850.00 gal Lagoon Process wastewater 68.92 12.76 73.86 741.92 Lower Tule I.D. Surface water 0.00 0.00 0.00 34.75 3,469,880.00 gal Application event totals 68.92 12.76 776.67 73.86 Surface (irrigation) No precipitation No precipitation 09/10/2023 No precipitation Material type Source description N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Process wastewater 61.11 11.32 65.50 657.92 876,005.00 gal Lagoon Lower Tule I.D. 0.00 0.00 0.00 33.11 3,306,500.00 gal Surface water Application event totals 11.32 691.03 61.11 65.50

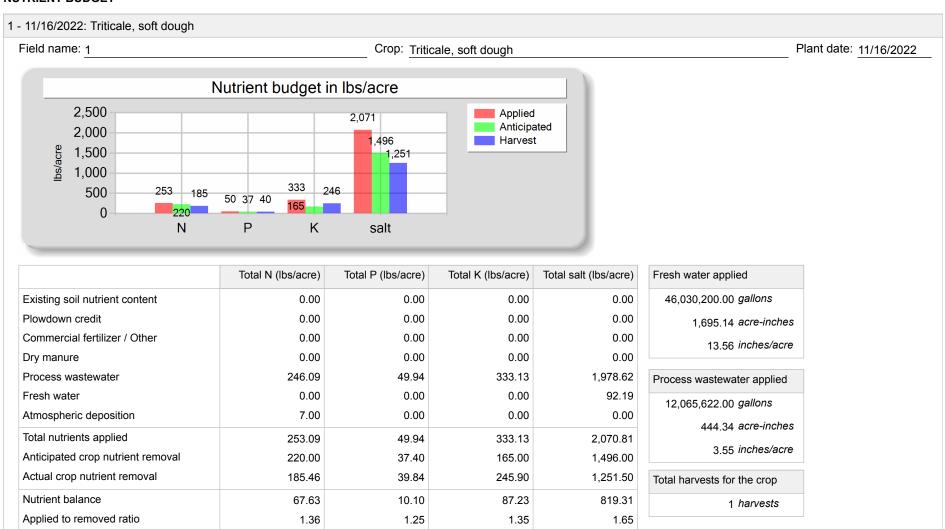
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Del Arco Dairy | 4738 120 AVE | Corcoran, CA 93212 | Tulare County | Tulare Basin

#### 3 - 06/30/2023: Corn, silage Application date | Application method Precipitation 24 hours prior Precipitation during application Precipitation 24 hours following No precipitation 09/24/2023 Surface (irrigation) No precipitation No precipitation Source description Material type N (lbs/acre) P (lbs/acre) K (lbs/acre) Salt (lbs/acre) Amount Lower Tule I.D. Surface water 0.00 0.00 0.00 31.05 3,100,650.00 gal Application event totals 0.00 0.00 0.00 31.05

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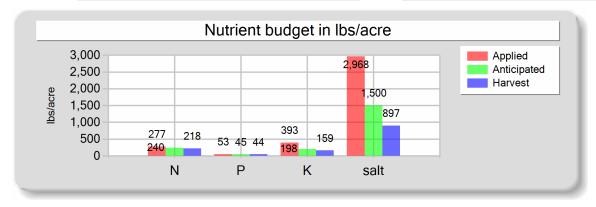
#### **B. NUTRIENT BUDGET**



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#### 1 - 06/28/2023: Corn, silage

Field name: 1 Crop: Corn, silage Plant date: 06/28/2023



	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	270.19	52.67	392.54	2,714.39
Fresh water	0.00	0.00	0.00	253.47
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	277.19	52.67	392.54	2,967.86
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	218.21	44.38	159.03	896.86
Nutrient balance	58.98	8.29	233.50	2,071.00
Applied to removed ratio	1.27	1.19	2.47	3.31

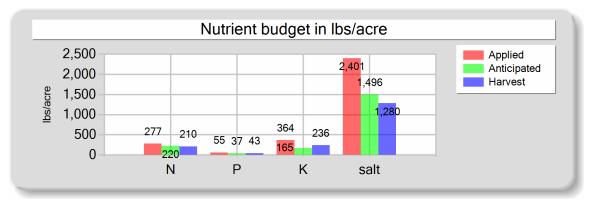
Fresh water applied
126,556,036.00 gallons
4,660.63 acre-inches
37.29 inches/acre

Process wastewater applied
21,512,954.00 gallons
792.25 acre-inches
6.34 inches/acre

	1	harvests	

### 2 - 11/16/2022: Triticale, soft dough

Field name: 2 Crop: Triticale, soft dough Plant date: 11/16/2022



	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	269.73	55.45	363.90	2,299.42
Fresh water	0.00	0.00	0.00	101.28
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	276.73	55.45	363.90	2,400.70
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00
Actual crop nutrient removal	209.96	42.60	235.82	1,279.54
Nutrient balance	66.78	12.85	128.07	1,121.16
Applied to removed ratio	1.32	1.30	1.54	1.88

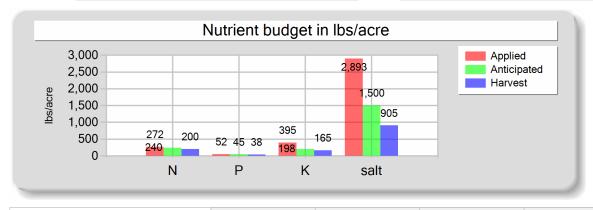
Fresh water applied
19,013,280.00 gallons
700.19 acre-inches
14.90 inches/acre

Process wastewater applied
5,080,502.00 gallons
187.10 acre-inches
3.98 inches/acre

Total harvests for the crop
1 harvests

### 2 - 06/29/2023: Corn, silage

Field name: 2 Crop: Corn, silage Plant date: 06/29/2023



	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	265.14	51.94	395.09	2,645.04
Fresh water	0.00	0.00	0.00	247.63
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	272.14	51.94	395.09	2,892.67
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	199.66	38.20	164.94	904.54
Nutrient balance	72.48	13.74	230.16	1,988.13
Applied to removed ratio	1.36	1.36	2.40	3.20

Fresh water applied
46,489,832.00 gallons
1,712.06 acre-inches
36.43 inches/acre

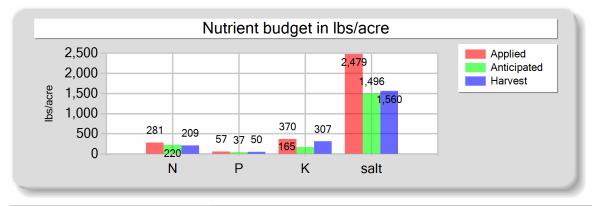
Process wastewater applied				
8	3,015,410.00	gallons		
	295.18	3 acre-inches		
	6.28	3 inches/acre		

Total harvests for	the crop
1	harvests

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### 3 - 11/22/2022: Triticale, soft dough

Field name: 3 Crop: Triticale, soft dough Plant date: 11/22/2022



	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	274.33	56.71	369.55	2,395.78
Fresh water	0.00	0.00	0.00	83.66
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	281.33	56.71	369.55	2,479.44
Anticipated crop nutrient removal	220.00	37.40	165.00	1,496.00
Actual crop nutrient removal	209.08	49.93	307.38	1,560.32
Nutrient balance	72.24	6.78	62.16	919.12
Applied to removed ratio	1.35	1.14	1.20	1.59

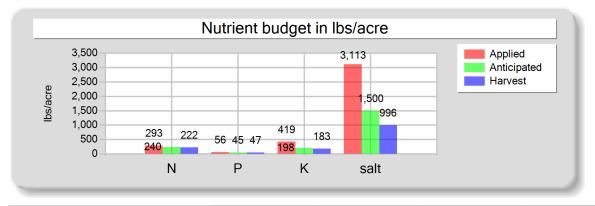
Process wastewater applied			
2,773,540.00 gallons			
102.14 acre-inches			
4.09 inches/acre			

Total harvests for the crop

1 harvests

### 3 - 06/30/2023: Corn, silage

Field name: 3 Crop: Corn, silage Plant date: 06/30/2023



	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	286.31	55.90	419.45	2,869.78
Fresh water	0.00	0.00	0.00	243.31
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	293.31	55.90	419.45	3,113.09
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	221.95	47.14	182.67	995.83
Nutrient balance	71.36	8.76	236.79	2,117.26
Applied to removed ratio	1.32	1.19	2.30	3.13

Fresh water applied
24,297,190.00 gallons
894.78 acre-inches
35.79 inches/acre

Process wastewater applied
4,573,925.00 gallons
168.44 acre-inches
6.74 inches/acre

Total harvests for the crop

1 harvests

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

#### NUTRIENT ANALYSES

#### A. MANURE ANALYSES

Camanda		-4:									
Sample	and source descri	ption: <u>Manu</u> i	re								
Sample	date: 05/01/2023	Material 1	type: Corral so	lids		Source of an	alysis: Lab ana	alvsis	Method of re	eporting: Dr	rv-weiaht
Moisture											
	Total N	Total P	Total K	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (ma/ka)	Chloride (mg/kg)	Total salt	TFS (%)	
Value			Total K (mg/kg) 15,400.00	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)	

lanure											
Sample ar	nd source descrip	otion: Manu	re								
Sample da	ate: 10/10/2023	Material	type: Corral so	olids		_ Source of an	alysis: Lab an	alysis	Method of	freporting: D	Ory-weight
Moisture:	7.6	%									
	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)	
Value	7,800.00	4,100.00	7,400.00								
DL	100.00	200.00	200.00								

#### **B. PROCESS WASTEWATER ANALYSES**

agoon															
Sampl	e and source	e description	on: Lagoor	າ											
Sampl	e date: <u>11/2</u>	8/2022	Material ty	/pe: Proces	s wastewat	er		Source of	analysis: <u>La</u>	b 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	217.00	119.00	0.00	0.00	54.80	275.00								5,600.00	3,72

Lagoon Sample and source description: Lagoon Sample date: 03/30/2023 Source of analysis: Lab analysis pH: 7.00 Material type: Process wastewater Kjeldahl-N NH4-N NH3-N Nitrate-N Total P Total K Calcium Sodium Bicarb. Chloride EC TDS Magnes. Carb. Sulfate (mg/L) (µmhos/cm) (mg/L) 502.00 Value 360.00 183.00 2.00 66.60 2,480.00 1,650 DL 10.00 2.00 2.00 0.20 0.50 100.00 10

Lagoon															
Sampl	e and sourc	e descripti	on: Lagoor	n											
Sample	e date: <u>05/</u> 0	01/2023	Material ty	ype: Proce	ss wastewa	ter		_ Source o	f analysis: L	ab 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	140.00	67.20			32.00	387.00								1,590.00	1,060
DL	10.00	2.00			0.20	0.50								100.00	10

Lagoon															
Sampl	e and sourc	ce descripti	on: Lagoor	า											
Sampl	e date: <u>08/</u>	07/2023	Material ty	ype: Proces	ss wastewa	ter		Source of	analysis: La	ab 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	209.00	160.00			38.70	224.00								3,390.00	2,250
DL	10.00	2.00			0.20	0.50								100.00	10
DL	10.00	2.00			0.20	0.50								100.00	_

Samnl	e and source	description	n. Lagoon	•											
Sampl	e date: 11/0	9/2023	Material ty	pe: Proces	s wastewat	er		Source of	analysis: <u>La</u>	b 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	134.00	132.00			32.10	205.00								2,910.00	1,93
DL	10.00	2.00			0.20	0.50								100.00	1

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

#### C. FRESH WATER ANALYSES

#### DW1

#### DW1

Sample description: DW1

Sample date: 12/14/2023 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			5.00	42.00	2.00	81.00	130.00	0.00	32.50	130.00	809.00	510
DL			0.10	1.00	1.00	1.00	10.00	10.00	0.17	2.00	1.00	20

#### DW2

#### DW2

Sample description: DW2

Sample date: 12/14/2023 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			5.00	42.00	2.00	81.00	130.00	0.00	32.50	130.00	809.00	510
DL			0.10	1.00	1.00	1.00	10.00	10.00	0.17	2.00	1.00	20

#### Lower Tule I.D.

#### Canal water

Sample description: Canal water

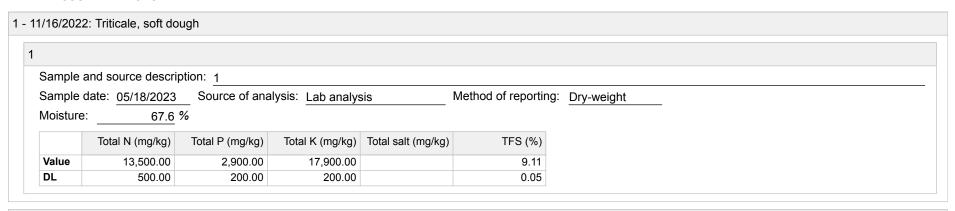
Sample date: 06/23/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00		0.00								40.00	30
DL	0.50		0.40								1.00	20

#### D. SOIL ANALYSES

No soil analyses entered.

#### **E. PLANT TISSUE ANALYSES**



#### 1 - 06/28/2023: Corn, silage

Sample and source description: 1 Method of reporting: Dry-weight Sample date: 10/18/2023 Source of analysis: Lab analysis 66.5 % Moisture: Total K (mg/kg) Total salt (mg/kg) Total N (mg/kg) Total P (mg/kg) TFS (%) Value 11,800.00 2,400.00 8,600.00 4.85 DL 500.00 200.00 200.00 0.05

2 - 11/16/2022: Triticale, soft dough

#### 2 - 11/16/2022: Triticale, soft dough

2

Sample and source description: 2

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

Moisture: 64.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,800.00	2,800.00	15,500.00		8.41
DL	500.00	200.00	200.00		0.05

#### 2 - 06/29/2023: Corn, silage

2

Sample and source description: 2

Sample date: 10/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,500.00	2,200.00	9,500.00		5.21
DL	500.00	200.00	200.00		0.05

#### 3 - 11/22/2022: Triticale, soft dough

3

Sample and source description: 3

Sample date: 05/17/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 63.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,400.00	3,200.00	19,700.00		10.00
DL	500.00	200.00	200.00		0.05

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

#### 3 - 06/30/2023: Corn, silage 3 Sample and source description: 3 Source of analysis: Lab analysis Sample date: 10/18/2023 Method of reporting: Dry-weight 65.9 % Moisture: Total P (mg/kg) Total K (mg/kg) Total salt (mg/kg) TFS (%) Total N (mg/kg) 11,300.00 5.07 Value 2,400.00 9,300.00 DL 500.00 200.00 200.00 0.05

#### F. SUBSURFACE (TILE) DRAINAGE ANALYSES

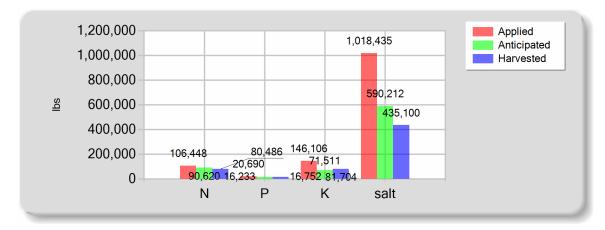
No subsurface (tile) drainage analyses entered.

#### NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

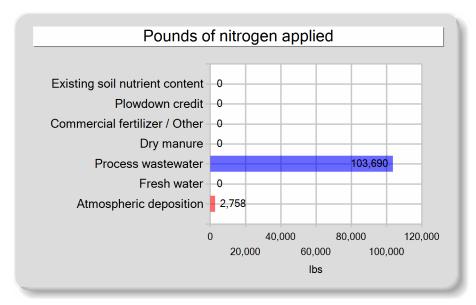
#### A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

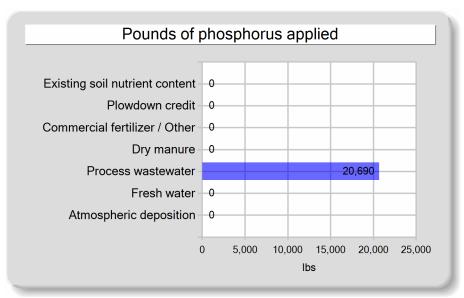
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	103,689.71	20,689.51	146,105.82	950,654.87
Fresh water	0.00	0.00	0.00	67,779.92
Atmospheric deposition	2,758.00	0.00	0.00	0.00
Total nutrients applied	106,447.71	20,689.51	146,105.82	1,018,434.78
Anticipated crop nutrient removal	90,620.00	16,232.80	71,511.00	590,212.00
Actual crop nutrient removal	80,485.83	16,751.66	81,703.77	435,100.23
Nutrient balance	25,961.88	3,937.85	64,402.05	583,334.56
Applied to removed ratio	1.32	1.24	1.79	2.34

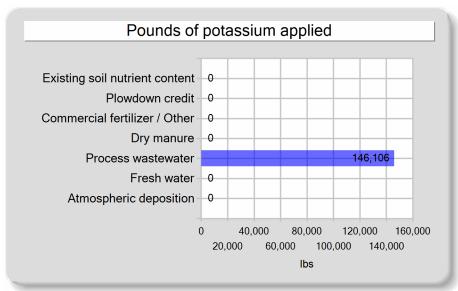
#### **B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL**

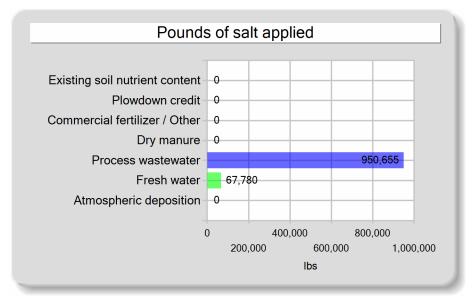


#### C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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Annual	Report	t - G	eneral	Order	No.	R5-200	7-0035
_							

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

#### **EXCEPTION REPORTING**

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

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

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

#### **B. STORM WATER DISCHARGES**

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

No stormwater discharges occurred during the reporting period.

#### C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

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

#### ADDITIONAL NOTES

#### A. NOTES

IW1 was out of service in 2023.

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Del Arco Dairy | 4738 120 AVE | Corcoran, CA 93212 | Tulare County | Tulare 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.

SIGNATURE OF OWNER OF FACILITY

SIGNATURE OF OPERATOR OF FACILITY

Randy or Travis Gorzeman

Randy or Travis Gorzeman

PRINT OR TYPE NAME

PRINT OR TYPE NAME

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.



July 11, 2023

**Sentry Ag Services** Attn: Monique Baldivez

P.O. Box 7750 Visalia, CA 93290 Lab No. : VI 2344187

Customer No. : 4019696

Reference : 3043

#### **Laboratory Report**

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

Case Narrative : An overview of the work performed at FGL. (1 page)

Sample Results (1 page) : Results for each sample submitted. Quality Control : Supporting Quality Control (QC) results. (1 page)

#### **Case Narrative**

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
Lower Tule I.D.	06/23/2023	06/23/2023	VI 2344187-001	AGW

#### **Sampling and Receipt Information:**

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

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

<b>Test Summary</b>	
EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

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

KD: EHB

Approved By Kelly A. Dunnahoo, B.S.



Section: Case Narrative Page 1 of 3 Page 1 of 3

**Corporate Offices & Laboratory** 

July 11, 2023

**Sentry Ag Services** Attn: Monique Baldivez

P.O. Box 7750 Visalia, CA 93290

Lower Tule I.D. Description: Lower Tule I.D. **Project** 

Lab No. : VI 2344187-001

Customer No.: 4019696 Reference : 3043

Sampled On: June 23, 2023 at 08:45

Sampled By: Klay

Received On: June 23, 2023 at 10:28

Matrix : Ag Water

#### Sample Results - Inorganic

F													
Constituent	Result	RL	Units	Note	Dil.	DQF	Sample P	repara	tion	San	iple Analys	is	
<b>Dairy Analysis</b>							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	EPA 351.2	07/07/2023	19:43	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/28/2023	11:00	lfs	SM 4500-NO3 F	06/28/2023	12:33	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	Calc.	07/07/2023	19:43	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	06/28/2023	11:00	lfs	SM 4500-NO3 F	06/28/2023	12:33	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/03/2023	12:54	sta	EPA 351.2	07/07/2023	19:43	lcr
Conductivity	40	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/05/2023	22:57	sta
Solids, Total Dissolved (TDS)	30	20	mg/L		1		06/27/2023	12:45	ctl	SM 2540 C	06/28/2023	11:35	ctl

DOF Flags Definition:

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

U Constituent results were non-detect.

July 11, 2023

#### **Sentry Ag Service**

Lab No. : VI 2344187 : 4019696 Customer No.

**Quality Control - Wet Chem** 

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO Note
Wet Chem							
E. C.	2320B	(VI 2343994-001)	Dup	umhos/cm		1.38%	5
Solids, Total Dissolved	2540CE	06/27/2023:207083CTL	Blank	mg/L		ND	<20
			LCS	mg/L	993.7	101%	90-110
		(STK2338352-001)	Dup	mg/L		3.55%	5
		(STK2338352-001)	Dup	mg/L		4.96%	5
Nitrogen, Total Kjeldahl	351.2	07/03/2023:207257STA	Blank	mg/L		ND	<0.5
			LCS	mg/L	12.00	102%	73-124
			MS	mg/L	12.00	89.5%	54-136
		(VI 2343914-005)	MSD	mg/L	12.00	96.2%	54-136
			MSRPD	mg/L		6.8%	≤27
			MS	mg/L	12.00	97.0%	54-136
		(VI 2343914-006)	MSD	mg/L	12.00	98.6%	54-136
			MSRPD	mg/L		1.6%	≤27
Nitrate + Nitrite as N	4500NO3F	06/28/2023:207139LFS	Blank	mg/L		ND	<0.4
			LCS	mg/L	11.22	98.6%	80-120
			MS	mg/L	5.609	98.8%	66-125
		(SP 2310989-001)	MSD	mg/L	5.609	98.1%	66-125
			MSRPD	mg/L		0.6%	≤30.4
Nitrate Nitrogen	4500NO3F	06/28/2023:207139LFS	Blank	mg/L		ND	<0.4
			LCS	mg/L	11.22	98.6%	80-120
			MS	mg/L	5.609	98.8%	66-125
		(SP 2310989-001)	MSD	mg/L	5.609	98.1%	66-125
			MSRPD	mg/L		0.6%	≤30.4

#### **Definition**

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

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

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

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

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

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

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

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



# Laboratory Analysis Work Order 2344187

304	13

SITE NAME:	Lower Tule I.D.	

LABORATORY: VT

Billing:

Sentry Ag Services, LLC

P.O. Box 7750, Visalia, CA 93290

**Authorized Copy Release to:** labs@sentryagservices.com

ANALYSIS TO BE COMPLETE	IO DE COMILEE	
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	ANALTSIS I U	SE COMPLET	EU
	Irrigation/Ground Water (ELAP Standards)		Process Waste Water (lagoon)
44	EC, NO <sub>3</sub> N (Dom)	L1	EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
	EC, NO <sub>3</sub> N, TDS, TN (Irr)		EC, NO <sub>3</sub> N, NH <sub>4</sub> N, TKN, TP, TK, TDS, pH (Annually)
W3	NH <sub>4</sub> -N (Ammonium)		Ca, Mg, Na, HCO <sub>3</sub> ,CO <sub>3</sub> , SO <sub>4</sub> S, CI (Biennially)
W4	EC, NO <sub>3</sub> N, Ca, Mg, Na, HCO <sub>3</sub> , CO <sub>3</sub> , SO <sub>4</sub> S, CI, TDS (Dom, GM)		Other:
W5	EC, NO <sub>3</sub> N, TDS, TN, Ca, Mg, Na, HCO <sub>3</sub> , CO <sub>3</sub> , SO <sub>4</sub> S, Cl (Irr, GM)		
W6	NO <sub>3</sub> N, NO <sub>2</sub> (Dom ILRP, Annually)		Manure
N7	Ca, Mg, Na, K, HCO <sub>3</sub> , CO <sub>3</sub> , SO <sub>4</sub> , Cl + Lab Filtering (GWM)	M1	TN, TP, TK, %M (2/year)
<b>N8</b>	Other:		TN, TP, K, %M, Ca, Mg, Na, S CI, ash (Biennially)
			Other:
	Plant Tissue		
P1	TN, NO <sub>3</sub> N, PO <sub>4</sub> P, K (Mid Season - Wheat)		Soil
P2	TN, P, K (Mid-season - Corn)	S1	SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO <sub>3</sub> N,
<b>P</b> 3	TN, TP, TK, Ash, %M (At Harvest)		PO <sub>4</sub> P, K-AA, Zn, Mn, Fe, Cu, SO <sub>4</sub> S
P4	TN, %M	S2	S1 + CEC, CaCO3, OM, C:N, TN
P5	% Moisture		NO <sub>3</sub> N, NH <sub>4</sub> N
P6	NIR	<b>S4</b>	Other:
<b>P7</b>	Other:		
			CAS HEE ANIV. FIELD YES

							USE ONLY: FIELD TESTS		
	Sample ID	Description	Analysis	Date/Time	Sampled by	NH <sub>3</sub> N *	рН	Temp	
1	Lower Tule I.D.	Canal	WZ	V473 8:45	Llan	-			
2									
3									
4									
5									
6					···				
7									
8									
9									
10									
11						<del>                                     </del>			
12						†			

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

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

NOTES	1/1/5/15	6/24/23		
CHA	IN OF CUSTODY RECORDING	1634		
	111 A Signature	Company	Received Date & Time	Relinquished Date & Time
1 <sup>st</sup>	Klay with	[4]	Company of the Compan	16/23 23 10:2X
2 <sup>nd</sup>	(008	FGL	6-23-2027 1028	
3 <sup>rd</sup>	C023	FGL	The second of the same of the second	6.23.2023 1028
4 <sup>th</sup>	GUS		623-2023 1028	
	ATORY USE ONLY ed in By:	Total Sar		v No :

Laboratory No.:

FGL Environmental Revision Date: 10/09/14 Doc ID: 3D0900002\_SOP\_12.DOC Page 1 of 1

	Inter-Laboratory Condition Upon Receipt (Att	ach to	COC	)	
Sam	ple Receipt at: STK CC CH VI	••		<u></u>	
1.	Number of ice chests/packages received: Shipping tracking		OL		<del></del>
2.	Were samples received in a chilled condition? Temps 6.6920	エ/	_/_	/_	
	Surface water SWTR bact samples: A sample that has a temperature upon receip	t of >10°	C, wheth	her iced or	r not,
shoul	d be flagged unless the time since sample collection has been less than two hours.				
3.	Do the number of bottles received agree with the COC?	(Ves	No	N/A	
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	Vie Vie	No		
5.	VOAs checked for Headspace?	Yes	No	Q\Z	
6.	Were sample custody seals intact?	Yes	No	(V/A)	
7.	If required, was sample split for pH analysis?	Yes	No	NA	
8.	Were all analyses within holding times at time of receipt?	Yes	No		
9.	Verify sample date, time and sampler name	Yes	No		
	and date the COC, place in a ziplock and put in the same ice chest a	s the sa	mples.		
Sam	ple Receipt Review completed by (initials):				
Sam	ple Receipt at SP:				
1.	Were samples received in a chilled condition? Temps:/	/	/	/_	
	Acceptable is above freezing to 6 C. If many packages are received at one time ch	eck for tes	ts/H.T.'s/	rushes/	
2.	Shipping tracking numbers:				
	359648785 / 7 / 56 / 64 / 75	$\sim$			
3.	Do the number of bottles received agree with the COC?	ves)	No	N/A	
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(es	No	•	
5.	Were sample custody seals intact?	Yes	No	M/A	
Sign	and date the COC, obtain LIMS sample numbers, select methods/te	sts and	print la	bels.	
Sam	ple Verification, Labeling and Distribution:				
1.	Were all requested analyses understood and acceptable?	Yes	No		
2.	Did bottle labels correspond with the client's ID's?	Yes	No		
3.	Were all bottles requiring sample preservation properly preserved?  [Exception: Oil & Grease, VOA and CrVI verified in lab]	_	No	N/A	FGL
4.	VOAs checked for Headspace?	Yes	No	MA	
5.	Have rush or project due dates been checked and accepted?	Yes	No	X#A	
6.	Were all analyses within holding times at time of receipt?	(Yes	No		
Atta	ch labels to the containers and include a copy of the COC for lab de	livery.			
Sam	ple Receipt, Login and Verification completed by (initials):	_			
Disc	crepancy Documentation:				
	items above which are "No" or do not meet specifications (i.e. temp	os) must	be reso	olved.	
1.	Person Contacted: Phone N	umber:_			<u></u>
	Initiated By: Date:	•••••			
	Problem:				
	Resolution:				
^		(401	9696)		
2.	Person Contacted:	<b>A</b>		laa	
	Initiated By:	Sentry A	iy dervi	ice	
	Problem:	VI 92	1110	7	
	Resolution:	AI 79	44 10/	1	
/D1-	ease use the back of this sheet for additional cor	v 06/24/20	23 09:55	:15	
•	tacts)				
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December 27, 2023

**Sentry Ag Services** Attn: Monique Baldivez

P.O. Box 7750 Visalia, CA 93290 Lab No. : VI 2348559

Customer No. : 4019696

Reference : 3505

#### **Laboratory Report**

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

Case Narrative : An overview of the work performed at FGL. (1 page)

Sample Results (1 page) : Results for each sample submitted. (2 pages) Quality Control : Supporting Quality Control (QC) results.

#### **Case Narrative**

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
DW1 & DW2	12/14/2023	12/14/2023	VI 2348559-001	DW

#### **Sampling and Receipt Information:**

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

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

<b>Test Summary</b>	
EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 300.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

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

KD: JRD

Approved By Kelly A. Dunnahoo, B.S.



December 27, 2023

**Sentry Ag Services** 

Attn: Monique Baldivez

P.O. Box 7750 Visalia, CA 93290

Description: DW1 & DW2 **Project** Del Arco

Lab No. : VI 2348559-001

Customer No.: 4019696 Reference : 3505

Sampled On : December 14, 2023 at 11:01

Sampled By: Brandon

Received On: December 14, 2023 at 14:13

Matrix : Drinking Water

#### Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation		tion	Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Alkalinity (as CaCO3)	100	10	mg/L		1		12/19/2023	17:12	amm	SM 4500-H+B	12/19/2023	22:15	amm
Bicarbonate	130	10	mg/L		1		12/19/2023	17:12	amm	SM 4500-H+B	12/19/2023	22:15	amm
Carbonate	ND	10	mg/L		1	U	12/19/2023	17:12	amm	SM 4500-H+B	12/19/2023	22:15	amm
Hydroxide	ND	10	mg/L		1	U	12/19/2023	17:12	amm	SM 4500-H+B	12/19/2023	22:15	amm
Chloride	130	2*	mg/L	$500^{2}$	2		12/15/2023	14:32	ldm	EPA 300.0	12/16/2023	23:31	ldm
Nitrate Nitrogen	5.0	0.1	mg/L	10	1		12/15/2023	14:32	ldm	EPA 300.0	12/16/2023	10:00	ldm
Conductivity	809	1	umhos/cm	$1600^{2}$	1		12/19/2023	17:12	amm	SM 4500-H+B	12/19/2023	22:15	amm
Sulfate Sulfur	32.5	0.17	mg/L		1		12/15/2023	14:32	ldm	EPA 300.0	12/16/2023	10:00	ldm
Solids, Total Dissolved (TDS)	510	20	mg/L	$1000^{2}$	1		12/18/2023	11:45	ctl	SM 2540 C	12/19/2023	10:45	ctl
Calcium	42	1	mg/L		1		12/18/2023	07:55	ejc	EPA 200.7	12/19/2023	12:19	ac
Magnesium	2	1	mg/L		1		12/18/2023	07:55	ejc	EPA 200.7	12/19/2023	12:19	ac
Potassium	ND	1	mg/L		1	U	12/18/2023	07:55	ejc	EPA 200.7	12/19/2023	12:19	ac
Sodium	81	1	mg/L		1		12/18/2023	07:55	ejc	EPA 200.7	12/19/2023	12:19	ac
DOE Flags Definition													

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level \* RL adjusted for dilution, Dil.=Dilution

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

CA ELAP Certification No. 1563 CA ELAP Certification No. 2670 CA ELAP Certification No. 2775 CA ELAP Certification No. 2810

Constituent results were non-detect.

December 27, 2023 **Sentry Ag Service** 

Lab No. : VI 2348559 Customer No. : 4019696

**Quality Control - Metals** 

	Quanty Control - Metals										
Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note			
Metals											
Calcium	200.7	12/18/2023:214203EJC	Blank	mg/L		ND	<1				
			LCS	mg/L	12.00	99.1%	85-115				
			MS	mg/L	12.00	95.7%	75-125				
		(VI 2348524-001)	MSD	mg/L	12.00	75.8%	75-125				
			MSRPD	mg/L		3.1%	≤20.0				
			MS	mg/L	12.00	123%	75-125				
		(SP 2320618-001)	MSD	mg/L	12.00	92.7%	75-125				
			MSRPD	mg/L		3.2%	≤20.0				
Magnesium	200.7	12/18/2023:214203EJC	Blank	mg/L		ND	<1				
			LCS	mg/L	12.00	97.8%	85-115				
			MS	mg/L	12.00	103%	75-125				
		(VI 2348524-001)	MSD	mg/L	12.00	99.2%	75-125				
			MSRPD	mg/L		3.1%	≤20				
			MS	mg/L	12.00	112%	75-125				
		(SP 2320618-001)	MSD	mg/L	12.00	92.4%	75-125				
			MSRPD	mg/L		5.1%	≤20				
Potassium	200.7	12/18/2023:214203EJC	Blank	mg/L		ND	<1				
		•	LCS	mg/L	12.00	98.4%	85-115				
			MS	mg/L	12.00	100%	75-125				
		(VI 2348524-001)	MSD	mg/L	12.00	97.3%	75-125				
		, ,	MSRPD	mg/L		3.0%	≤20.0				
			MS	mg/L	12.00	105%	75-125				
		(SP 2320618-001)	MSD	mg/L	12.00	100%	75-125				
			MSRPD	mg/L		3.0%	≤20.0				
Sodium	200.7	12/18/2023:214203EJC	Blank	mg/L		ND	<1				
			LCS	mg/L	12.00	93.7%	85-115				
			MS	mg/L	12.00	101%	75-125				
		(VI 2348524-001)	MSD	mg/L	12.00	85.0%	75-125				
			MSRPD	mg/L		2.9%	≤20.0				
			MS	mg/L	12.00	158%	<1/4	406			
		(SP 2320618-001)	MSD	mg/L	12.00	56.2%	<1/4				
			MSRPD	mg/L		6.2%	≤20.0				

#### **Definition**

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

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

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

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

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

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

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

#### **Explanation**

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

Office & Laboratory

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Office & Laboratory

Lab No. : VI 2348559 Customer No. : 4019696

**Quality Control - Wet Chem** 

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Alkalinity (as CaCO3)	2320B	(VI 2348390-003)	Dup	mg/L		1.51%	10	
Bicarbonate	2320B	(VI 2348390-003)	Dup	mg/L		1.51%	10	
E. C.	2320B	(VI 2348390-003)	Dup	umhos/cm		0.4%	5	
Solids, Total Dissolved	2540CE	12/18/2023:214216CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	991.5	99.9%	90-110	
		(VI 2348568-001)	Dup	mg/L		0.2%	5	
		(VI 2348568-001)	Dup	mg/L		2.01%	5	
Chloride	300.0	12/15/2023:214302LDM	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	101%	90-110	
			MS	mg/L	50.00	90.2%	67-117	
		(VI 2348570-001)	MSD	mg/L	50.00	89.6%	67-117	
			MSRPD	mg/L		0.4%	≤7	
			MS	mg/L	50.00	88.1%	67-117	
		(VI 2348570-002)	MSD	mg/L	50.00	89.1%	67-117	
		4044-0000000000000000000000000000000000	MSRPD	mg/L		0.5%	≤7	
Nitrate Nitrogen	300.0	12/15/2023:214302LDM	Blank	mg/L	00.00	ND	<0.4	
			LCS	mg/L	20.00	102%	90-110	
		(3/1 2240570 001)	MS MSD	mg/L	40.00	104%	86-112	
		(VI 2348570-001)	MSRPD	mg/L	40.00	103% 0.3%	86-112 ≤7	
			MS	mg/L mg/L	40.00	102%	≥ / 86-112	
		(VI 2348570-002)	MSD	mg/L	40.00	102%	86-112	
		(VI 2540570-002)	MSRPD	mg/L	40.00	0.3%	50°112 ≤7	
Sulfate Sulfur	300.0	12/15/2023:214302LDM	Blank	mg/L		ND	<0.5	
Surrato Surrar	500.0	12/10/2020:21 10021251:1	LCS	mg/L	50.00	102%	90-110	
			MS	mg/L	100.0	104%	18-165	
		(VI 2348570-001)	MSD	mg/L	100.0	103%	18-165	
		,	MSRPD	mg/L		0.3%	≤7	
			MS	mg/L	100.0	91.1%	18-165	
		(VI 2348570-002)	MSD	mg/L	100.0	91.6%	18-165	
			MSRPD	mg/L		0.3%	≤7	

#### **Definition**

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

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

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

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

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

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

Page 4 of 4 Page 4 of 4



Logged in By:

# **Laboratory Analysis Work Order**

3505

SIT	TE NAME: <u>Ve</u>	Arco			LABORATORY	: VT	FG	L 4-19696
Bill	ing: Sentry Ag Se P.O. Box 775	ervices, LLC 10, Visalia, CA 9329	0	<del>-</del> -	Authorized Copy labs@sentryags	Release	to:	
		A	NALYSIS TO	DE COMPLE	ÍED			
W2 W3 W4 W5 W6 W7 W8 P1 P2 P3 P4 P5 P6	Irrigation/Ground EC, NO <sub>3</sub> N (Dom) EC, NO <sub>3</sub> N, TDS, TN (Irr) NH <sub>4</sub> -N (Ammonium) EC, NO <sub>3</sub> N, Ca, Mg, Na, H EC, NO <sub>3</sub> N, TDS, TN, Ca, NO <sub>3</sub> N, NO <sub>2</sub> (Dom ILRP, A Ca, Mg, Na, K, HCO <sub>3</sub> , CO Other:  Plant Tissue TN, NO <sub>3</sub> N, PO <sub>4</sub> P, K (Mid S TN, P, K (Mid-season - Co TN, TP, TK, Ash, %M (At I TN, %M % Moisture NIR Other:	Mg, Na, HCO <sub>3</sub> , CO <sub>3</sub> , SO <sub>4</sub> S, nnualiy) <sub>3</sub> , SO <sub>4</sub> , CI + Lab Filtering (G Season - Wheat) m)	Dom, GM) CI (Irr, GM)	6.4°C L3 L4 L407 M1 M3 M3	Process Waste  EC, NH <sub>4</sub> N, TKN, TP, TH  EC, NO <sub>3</sub> N, NH <sub>4</sub> N, TKN,  Ca, Mg, Na, HCO <sub>3</sub> ,CO <sub>3</sub> Other:  Manure  TN, TP, TK, %M (2/year)  TN, TP, K, %M, Ca, Mg  Other:  Soil  SP%, pH, EC, Ca, Mg, N  PO <sub>4</sub> P, K-AA, Zn, Mn, Fe  S1 + CEC, CaCO3, OM,  NO <sub>3</sub> N, NH <sub>4</sub> N  Other:	K, TDS (Qua TP, TK, TD , SO <sub>4</sub> S, CI (I ) , Na, S, CI, a Na, K, ESP, , Cu, SO <sub>4</sub> S C:N, TN	rterly) S, pH (Ar Biennially) Ish (Bienr	- nnually) ) nially)
	Sample ID	Description	Analysis	Date/Time	Sampled by	NH <sub>3</sub> N *		Temp
1	DWI+DW2	Dom	W4	12/14/23	Bradont		-	1 10 E T.T.T.
2								
3								
4		<del></del>						
5								
6								

Sample ID	Description	A			SAS USE ONLY: FIELD TESTS		
Sample ID	Description	Analysis	Date/Time	Sampled by	NH <sub>3</sub> N *	pН	Temp
DWI+ DW2	Dom	W4	12/14/23	Brandont			
2							
3							
							<u> </u>
5				<del></del>			
			<del>                                       </del>	<del> </del>			
,		<del> </del>	<del> </del>				
				<del> </del>			
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	•	<u> </u>			•	_	

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

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

CHAIN	OF CUSTODY RECORDING			
	Signature	Company	Received Date & Time	Relinquished Date & Time
181		SAS	A CONTRACTOR OF THE CONTRACTOR	12/14/23 24
nd .	ASB	FU	12/14/23 14/3	
3 <sup>rd</sup>	A)K	FU		1214123 1730
4 <sup>th</sup>	C-US	CCS	12114123 1730	

**Total Samples:** 

Laboratory No.

Person Contacted:\_\_\_\_\_

(4019696)
Sentry Ag Service
VI 2348559
iv 12/15/2023 09:45:55

Phone Number:

Date:

2.

Initiated By:

Problem: Resolution:

### ATTACHMENT D

### Manure/Process Wastewater Tracking Manifest For **Existing Milk Cow Dairies**

### Instructions:

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

Operator Information:
Name of Operator: Randy Carzenan
Name of Dairy Facility: Del Arco De ing
Facility Address: 4295 Ave 88 Pixley 9325C  Number and Street City Zip Code
Contact Person Name and Phone Number: Name ST9905-7547
Manure/Process Wastewater Hauler Information: Name of Hauling Company/Person:
Address of Hauling Company /Person:
Contact Person: ANGEL GONZALEZ (559)358-6923
Destination Information:
Composting Facility / Broker / Farmer / Other (identify) <u>Compostriki</u> (please circle one)
Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):
Harvest 24487 Rd 140 Tulava 93274 (559)686-1622
Name Number and Street City Zip Code Phone Number
Manure/Process Wastewater Destination Address or Assessor's Parcel Number:
Number and Street City Zip Code Assessor's Parcel Number
Dates Hauled: April 23 — July 23
Amount Hauled:
Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure despite (if amoun
solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:
Manure 3420 Tons or Cubic Yards (indicate which units used) Manure Solids Content (if amount reported in tons):  Manure Density (if amount reported in cubic yards):

	Method used to determine amount of manure:
	Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.
	Process Wastewater: Gallons
	Method used to determine volume of process wastewater:
	Written Agreement:  Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)  Yes No
i	f the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.  (Operator shall provide initials here to acknowledge this requirement).
s c ti	declare under the penalty of law that I personally examined and am familiar with the information ubmitted in this document, and that based on my inquiry of those individuals immediately responsible for btaining the information, I believe that the information is true, accurate, and complete. I am aware that nere are significant penalties for submitting false information, including the possibility of a fine and apprisonment for knowing violations.
	Date: 5/13/24  Jauler's Signature: August Controlto Date: 5/13/24  Date: 5/13/24