

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.***DAIRY FACILITY INFORMATION****A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:** Affentranger & Sons Dairy Farms, Inc.

Physical address of dairy:

18107 Kratzmeyer Road

Number and Street

Bakersfield

City

Kern

County

93314-9481

Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 10/01/1969Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0463-0030-0010-0003 0463-0030-0013-0002

B. OPERATORS

Affentranger, Anton

Operator name: Affentranger, AntonTelephone no.: (661) 589-3166

Landline

Cellular

18107 Kratzmeyer RD

Bakersfield

CA

93314

Mailing Address Number and Street

City

State

Zip Code

Affentranger, Franz

Operator name: Affentranger, FranzTelephone no.: (661) 589-3166

Landline

Cellular

18107 Kratzmeyer RD

Bakersfield

CA

93314

Mailing Address Number and Street

City

State

Zip Code

Affentranger, Heidi

Operator name: Affentranger, HeidiTelephone no.: (661) 589-3166

Landline

Cellular

18107 Kratzmeyer RD

Bakersfield

CA

93314

Mailing Address Number and Street

City

State

Zip Code

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.***Affentranger, Henry**

Operator name: <u>Affentranger, Henry</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD Mailing Address Number and Street	Bakersfield	CA	93314
	City	State	Zip Code

Affentranger, Marie

Operator name: <u>Affentranger, Marie</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD Mailing Address Number and Street	Bakersfield	CA	93314
	City	State	Zip Code

Affentranger, Martin

Operator name: <u>Affentranger, Martin</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD Mailing Address Number and Street	Bakersfield	CA	93314
	City	State	Zip Code

Dedmon, Alice

Operator name: <u>Dedmon, Alice</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD Mailing Address Number and Street	Bakersfield	CA	93314
	City	State	Zip Code

Ghilarducci, Lisa

Operator name: <u>Ghilarducci, Lisa</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD Mailing Address Number and Street	Bakersfiled	CA	93314
	City	State	Zip Code

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Millan, Rosemarie

Operator name: <u>Millan, Rosemarie</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
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This operator is responsible for paying permit fees.**C. OWNERS**

Affentranger, Anton

Legal owner name: <u>Affentranger, Anton</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
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Affentranger, Franz

Legal owner name: <u>Affentranger, Franz</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
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Affentranger, Heidi

Legal owner name: <u>Affentranger, Heidi</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
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Affentranger, Henry

Legal owner name: <u>Affentranger, Henry</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
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Affentranger, Marie

Legal owner name: <u>Affentranger, Marie</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
Mailing Address Number and Street	City	State	Zip Code

Affentranger, Martin

Legal owner name: <u>Affentranger, Martin</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
Mailing Address Number and Street	City	State	Zip Code

Dedmon, Alice

Legal owner name: <u>Dedmon, Alice</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
Mailing Address Number and Street	City	State	Zip Code

Ghilarducci, Lisa

Legal owner name: <u>Ghilarducci, Lisa</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfiled	CA	93314
Mailing Address Number and Street	City	State	Zip Code

Millan, Rosemarie

Legal owner name: <u>Millan, Rosemarie</u>	Telephone no.: <u>(661) 589-3166</u>	Landline	Cellular
18107 Kratzmeyer RD	Bakersfield	CA	93314
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AVAILABLE NUTRIENTS**A. HERD INFORMATION**

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	1,250	200	390	390	100	0
Number under roof	0	0	0	0	0	0
Maximum number	1,350	200	390	390	100	0
Average number	1,250	200	390	390	100	0
Avg live weight (lbs)	1,450	1,500	1,100	800		

Predominant milk cow breed: HolsteinAverage milk production: 70 pounds per cow per day**B. MANURE GENERATED**Total manure excreted by the herd: 43,399.04 tons per reporting periodTotal nitrogen from manure: 534,857.12 lbs per reporting periodAfter ammonia losses (30% loss applied): 374,399.98 lbs per reporting periodTotal phosphorus from manure: 88,678.44 lbs per reporting periodTotal potassium from manure: 239,386.53 lbs per reporting periodTotal salt from manure: 634,552.50 lbs per reporting period**C. PROCESS WASTEWATER GENERATED**Process wastewater generated: 69,933,051 gallonsTotal nitrogen generated: 45,368.94 lbsTotal phosphorus generated: 8,600.94 lbsTotal potassium generated: 39,987.42 lbsTotal salt generated: 695,415.59 lbs

$$\begin{array}{r}
 69,933,051 \text{ gallons applied} \\
 + 0 \text{ gallons exported} \\
 - 0 \text{ gallons imported} \\
 = 69,933,051 \text{ gallons generated}
 \end{array}$$

D. FRESH WATER SOURCES

Source Description	Type
Well Water #1	Ground water
Well Water #2	Ground water

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Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/06/2023	Corral solids	257.00 ton	As-is	4.9		19,000.00	4,900.00	25,900.00		51.00
10/06/2023	Corral solids	285.40 ton	As-is	4.9		19,000.00	4,900.00	25,900.00		51.00
10/07/2023	Corral solids	254.40 ton	As-is	12.4		12,900.00	4,700.00	27,500.00		51.00
10/07/2023	Corral solids	152.60 ton	As-is	12.4		12,900.00	4,700.00	27,500.00		51.00
10/08/2023	Corral solids	451.80 ton	As-is	12.4		12,900.00	4,700.00	27,500.00		51.00
10/08/2023	Corral solids	235.60 ton	As-is	12.4		12,900.00	4,700.00	27,500.00		51.00
10/19/2023	Corral solids	385.60 ton	As-is	9.3		17,000.00	5,700.00	16,800.00		52.50
10/19/2023	Corral solids	407.00 ton	As-is	7.5		19,300.00	6,600.00	20,200.00		50.20
10/19/2023	Corral solids	135.00 ton	As-is	7.5		19,300.00	6,600.00	20,200.00		50.20
10/19/2023	Corral solids	135.00 ton	As-is	7.5		19,300.00	6,600.00	20,200.00		50.20
10/19/2023	Corral solids	262.50 ton	As-is	7.5		19,300.00	6,600.00	20,200.00		50.20
10/20/2023	Corral solids	71.30 ton	As-is	10.0		12,400.00	3,700.00	24,700.00		51.00
10/20/2023	Corral solids	128.50 ton	As-is	7.5		19,300.00	6,600.00	20,200.00		50.20
10/20/2023	Corral solids	285.40 ton	As-is	7.5		19,300.00	6,600.00	20,200.00		50.20
10/20/2023	Corral solids	285.40 ton	As-is	10.0		12,400.00	3,700.00	24,700.00		51.00
10/21/2023	Corral solids	385.60 ton	As-is	10.0		12,400.00	3,700.00	24,700.00		51.00
10/25/2023	Corral solids	225.90 ton	As-is	12.1		11,900.00	3,800.00	26,200.00		51.00
10/25/2023	Corral solids	225.80 ton	As-is	12.1		11,900.00	3,800.00	26,200.00		51.00
10/26/2023	Corral solids	385.60 ton	As-is	12.1		11,900.00	3,800.00	26,200.00		51.00
10/26/2023	Corral solids	428.00 ton	As-is	12.1		11,900.00	3,800.00	26,200.00		51.00

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	162,721.54	52,972.90	258,893.18	4,944,009.95
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	162,721.54	52,972.90	258,893.18	4,944,009.95

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Fd 17	22	22	2	process wastewater	0463-0030-0010-0000
Fd 18	5	5	3	process wastewater	0463-0030-0013-0000
Fd 19	3	3	3	process wastewater	0463-0030-0013-0000
Fd 20	6	6	3	process wastewater	0463-0030-0012-0000
Fd 21	9	9	4	process wastewater	0463-0030-0013-0000
Fd 22	20	20	3	process wastewater	0463-0030-0013-0000
Fd 23	15	15	4	process wastewater	0463-0030-0013-0000
Fd 24	10	10	2	process wastewater	0463-0030-0013-0000
Fd 25	10	10	3	process wastewater	0463-0030-0013-0000
Totals for areas that were used for application	100	100	27		
Totals for areas that were not used for application					
Land application area totals	100	100	27		

B. CROPS AND HARVESTS

Fd 17

Field name: Fd 17

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 22 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	319.30 ton	As-is		67.6	8,000.00	1,200.00	7,600.00		11.40

	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	14.51	232.22	34.83	220.61	1,072.15

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Fd 17

05/16/2023: Corn, silage

Crop: Corn, silage Acres planted: 22 Plant date: 05/16/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/08/2023	618.80 <i>ton</i>	As-is		63.6	5,100.00	900.00	5,700.00		5.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	23.00	184.00	34.50	151.80	0.00
Total actual harvest content	28.13	286.90	50.63	320.65	1,023.83

Fd 18

Field name: Fd 18

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 5 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	72.60 <i>ton</i>	As-is		67.6	8,000.00	1,200.00	7,600.00		11.40

	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	14.52	232.32	34.85	220.70	1,072.62

05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 5 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/12/2023	51.30 <i>ton</i>	As-is		73.7	6,000.00	1,000.00	9,600.00		12.70
09/07/2023	39.60 <i>ton</i>	As-is		68.7	8,000.00	1,200.00	12,800.00		12.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.00	264.00	40.80	288.00	0.00
Total actual harvest content	18.18	249.84	39.53	399.74	1,324.96

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Fd 19Field name: Fd 19

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 3 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	43.50 ton	As-is		67.6	8,000.00	1,200.00	7,600.00		11.40

	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	14.50	232.00	34.80	220.40	1,071.14

05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 3 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/12/2023	30.80 ton	As-is		73.7	6,000.00	1,000.00	9,600.00		12.70
09/07/2023	23.70 ton	As-is		68.7	8,000.00	1,200.00	12,800.00		12.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.00	264.00	40.80	288.00	0.00
Total actual harvest content	18.17	249.60	39.49	399.36	1,323.79

Fd 20Field name: Fd 20

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Fd 20

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 6 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	87.10 ton	As-is		67.6	8,000.00	1,200.00	7,600.00		11.40

	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	14.52	232.27	34.84	220.65	1,072.38

05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 6 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/12/2023	61.50 ton	As-is		73.7	6,000.00	1,000.00	9,600.00		12.70
09/07/2023	47.50 ton	As-is		68.7	8,000.00	1,200.00	12,800.00		12.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.00	264.00	40.80	288.00	0.00
Total actual harvest content	18.17	249.67	39.50	399.47	1,324.02

Fd 21

Field name: Fd 21

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 9 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	130.60 ton	As-is		67.6	8,000.00	1,200.00	7,600.00		11.40

	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	14.51	232.18	34.83	220.57	1,071.96

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Fd 21

05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 9 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/19/2023	92.30 <i>ton</i>	As-is		66.4	7,400.00	1,300.00	12,600.00		12.90
10/06/2023	85.80 <i>ton</i>	As-is		69.9	7,600.00	1,100.00	11,700.00		15.50
11/10/2023	52.60 <i>ton</i>	As-is		71.6	6,600.00	1,000.00	7,400.00		13.70
		Yield (tons/acre)		Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)		
Anticipated harvest content		24.00		264.00	40.80	288.00	0.00		
Total actual harvest content		25.63		373.84	59.33	568.02	2,233.38		

Fd 22Field name: Fd 22

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 20 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	290.30 <i>ton</i>	As-is		63.7	8,700.00	1,400.00	9,900.00		9.60
		Yield (tons/acre)		Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)		
Anticipated harvest content		18.00		198.00	30.60	149.40	0.00		
Total actual harvest content		14.52		252.56	40.64	287.40	1,011.64		

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05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 20 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/12/2023	205.00 <i>ton</i>	As-is		73.7	6,000.00	1,000.00	9,600.00		12.70
09/07/2023	158.10 <i>ton</i>	As-is		68.7	8,000.00	1,200.00	12,800.00		12.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.00	264.00	40.80	288.00	0.00
Total actual harvest content	18.16	249.48	39.47	399.17	1,323.08

Fd 23Field name: Fd 23

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 15 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	217.70 <i>ton</i>	As-is		63.7	8,700.00	1,400.00	9,900.00		9.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	14.51	252.53	40.64	287.36	1,011.52

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Fd 23

05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 15 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/19/2023	153.80 <i>ton</i>	As-is		66.4	7,400.00	1,300.00	12,600.00		12.90
10/06/2023	143.00 <i>ton</i>	As-is		69.9	7,600.00	1,100.00	11,700.00		15.50
11/10/2023	87.60 <i>ton</i>	As-is		71.6	6,600.00	1,000.00	7,400.00		13.70
		Yield (tons/acre)		Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)		
Anticipated harvest content		24.00		264.00	40.80	288.00	0.00		
Total actual harvest content		25.63		373.74	59.31	567.90	2,232.84		

Fd 24Field name: Fd 24

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 10 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	145.20 <i>ton</i>	As-is		63.7	8,700.00	1,400.00	9,900.00		9.60
		Yield (tons/acre)		Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)		
Anticipated harvest content		18.00		198.00	30.60	149.40	0.00		
Total actual harvest content		14.52		252.65	40.66	287.50	1,011.99		

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Fd 24

05/16/2023: Corn, silage

Crop: Corn, silage Acres planted: 10 Plant date: 05/16/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/08/2023	281.30 ton	As-is		63.6	5,100.00	900.00	5,700.00		5.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	23.00	184.00	34.50	151.80	0.00
Total actual harvest content	28.13	286.93	50.63	320.68	1,023.93

Fd 25

Field name: Fd 25

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 10 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/05/2023	145.20 ton	As-is		63.7	8,700.00	1,400.00	9,900.00		9.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	14.52	252.65	40.66	287.50	1,011.99

05/04/2023: Sudangrass, silage

Crop: Sudangrass, silage Acres planted: 10 Plant date: 05/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
07/12/2023	102.50 ton	As-is		73.7	6,000.00	1,000.00	9,600.00		12.70
09/07/2023	79.10 ton	As-is		68.7	8,000.00	1,200.00	12,800.00		12.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.00	264.00	40.80	288.00	0.00
Total actual harvest content	18.16	249.56	39.48	399.30	1,323.48

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NUTRIENT BUDGET

A. LAND APPLICATIONS

Fd 17 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 17

Crop: Wheat, silage, soft dough Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation			No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 17: Soil Composite	Existing soil nutrient content	60.00	80.00	404.00	2.06	
Application event totals		60.00	80.00	404.00	2.06	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	24.63	4.31	26.38	229.51	311,880.00 gal
Well Water #1	Ground water	2.24	0.00	0.00	75.71	311,880.00 gal
Application event totals		26.87	4.31	26.38	305.22	
02/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-February Total	Process wastewater	16.13	2.82	17.28	150.34	204,300.00 gal
Well Water #1	Ground water	1.46	0.00	0.00	49.60	204,300.00 gal
Application event totals		17.60	2.82	17.28	199.94	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	29.85	5.79	27.70	321.10	465,120.00 gal
Well Water #1	Ground water	3.33	0.00	0.00	112.91	465,120.00 gal
Application event totals		33.19	5.79	27.70	434.01	

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Fd 17 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/30/2023	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
Pond #2-April Total	Process wastewater	61.39	11.90	56.97	660.38	956,580.00 gal
Well Water #1	Ground water	6.86	0.00	0.00	232.22	956,580.00 gal
Application event totals		68.25	11.90	56.97	892.61	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	0.00	0.00	0.00	0.00	0.01 gal
Well Water #1	Ground water	2.62	0.00	0.00	88.84	365,940.00 gal
Application event totals		2.62	0.00	0.00	88.84	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	14.47	2.59	12.00	266.04	626,220.00 gal
Well Water #1	Ground water	4.49	0.00	0.00	152.02	626,220.00 gal
Application event totals		18.96	2.59	12.00	418.06	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	16.69	3.81	15.44	195.89	254,400.00 gal
Well Water #1	Ground water	1.82	0.00	0.00	61.76	254,400.00 gal
Application event totals		18.52	3.81	15.44	257.65	

Fd 17 - 05/16/2023: Corn, silage

Field name: Fd 17

Crop: Corn, silage

Plant date: 05/16/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Fd 17 - 05/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	88.59	17.17	82.20	952.90	1,380,300.00 gal
Well Water #1	Ground water	15.69	0.00	0.00	531.46	2,189,220.00 gal
Application event totals		104.28	17.17	82.20	1,484.37	
06/30/2023	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
Pond #2-June Total	Process wastewater	64.70	12.88	55.83	1,288.49	3,652,548.00 gal
Well Water #1	Ground water	26.19	0.00	0.00	886.71	3,652,548.00 gal
Application event totals		90.89	12.88	55.83	2,175.20	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	34.94	6.01	23.26	1,059.29	3,209,892.00 gal
Well Water #1	Ground water	23.01	0.00	0.00	779.25	3,209,892.00 gal
Application event totals		57.96	6.01	23.26	1,838.53	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	34.73	5.98	23.11	1,052.78	3,190,176.00 gal
Well Water #1	Ground water	22.87	0.00	0.00	774.46	3,190,176.00 gal
Application event totals		57.60	5.98	23.11	1,827.24	
09/30/2023	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
Pond #2-September Total	Process wastewater	14.40	2.58	11.94	264.79	623,280.00 gal
Well Water #1	Ground water	4.47	0.00	0.00	151.31	623,280.00 gal
Application event totals		18.87	2.58	11.94	416.10	

Fd 18 - 11/19/2022: Wheat, silage, soft dough

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Fd 18 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 18

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 18: Soil Composite	Existing soil nutrient content	64.00	84.00	396.00	2.40	
Application event totals		64.00	84.00	396.00	2.40	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	25.92	4.53	27.76	241.48	74,580.00 gal
Well Water #1	Ground water	2.35	0.00	0.00	79.66	74,580.00 gal
Application event totals		28.27	4.53	27.76	321.14	
02/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-February Total	Process wastewater	11.83	2.07	12.67	110.25	34,050.00 gal
Well Water #1	Ground water	1.07	0.00	0.00	36.37	34,050.00 gal
Application event totals		12.91	2.07	12.67	146.62	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	32.84	6.37	30.47	353.21	116,280.00 gal
Well Water #1	Ground water	3.67	0.00	0.00	124.21	116,280.00 gal
Application event totals		36.50	6.37	30.47	477.42	
04/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-April Total	Process wastewater	50.76	9.84	47.10	546.04	179,760.00 gal
Well Water #1	Ground water	5.67	0.00	0.00	192.01	179,760.00 gal
Application event totals		56.43	9.84	47.10	738.05	

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Fd 18 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	0.00	0.00	0.00	0.00	0.01 gal
Well Water #1	Ground water	2.03	0.00	0.00	68.58	64,200.00 gal
Application event totals		2.03	0.00	0.00	68.58	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	11.04	1.98	9.16	203.06	108,630.00 gal
Well Water #1	Ground water	3.43	0.00	0.00	116.03	108,630.00 gal
Application event totals		14.47	1.98	9.16	319.09	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	16.53	3.77	15.29	193.93	57,240.00 gal
Well Water #1	Ground water	1.81	0.00	0.00	61.14	57,240.00 gal
Application event totals		18.33	3.77	15.29	255.07	

Fd 18 - 05/04/2023: Sudangrass, silage

Field name: Fd 18

Crop: Sudangrass, silage Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	107.15	20.77	99.42	1,152.52	379,422.00 gal
Well Water #1	Ground water	13.39	0.00	0.00	453.29	424,362.00 gal
Application event totals		120.53	20.77	99.42	1,605.81	

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Fd 18 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/30/2023	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
Pond #2-June Total	Process wastewater	63.65	12.68	54.93	1,267.54	816,624.00 gal
Well Water #1	Ground water	25.76	0.00	0.00	872.29	816,624.00 gal
Application event totals		89.41	12.68	54.93	2,139.82	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	32.14	5.53	21.39	974.28	670,980.00 gal
Well Water #1	Ground water	21.17	0.00	0.00	716.71	670,980.00 gal
Application event totals		53.31	5.53	21.39	1,691.00	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	33.54	5.77	22.32	1,016.76	700,236.00 gal
Well Water #1	Ground water	22.09	0.00	0.00	747.96	700,236.00 gal
Application event totals		55.63	5.77	22.32	1,764.73	
09/30/2023	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
Pond #2-September Total	Process wastewater	16.81	3.01	13.94	309.10	165,360.00 gal
Well Water #1	Ground water	5.22	0.00	0.00	176.63	165,360.00 gal
Application event totals		22.02	3.01	13.94	485.74	

Fd 19 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 19

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Fd 19 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 19: Soil Composite	Existing soil nutrient content	64.00	84.00	396.00	2.40	
Application event totals		64.00	84.00	396.00	2.40	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	35.34	6.18	37.85	329.29	61,020.00 gal
Well Water #1	Ground water	3.21	0.00	0.00	108.63	61,020.00 gal
Application event totals		38.55	6.18	37.85	437.92	
02/28/2023	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
Pond #2-February Total	Process wastewater	16.96	2.96	18.16	158.02	29,283.00 gal
Well Water #1	Ground water	1.54	0.00	0.00	52.13	29,283.00 gal
Application event totals		18.50	2.96	18.16	210.16	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	32.19	6.24	29.87	346.28	68,400.00 gal
Well Water #1	Ground water	3.60	0.00	0.00	121.77	68,400.00 gal
Application event totals		35.79	6.24	29.87	468.05	
04/30/2023	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
Pond #2-April Total	Process wastewater	59.83	11.60	55.51	643.54	127,116.00 gal
Well Water #1	Ground water	6.68	0.00	0.00	226.30	127,116.00 gal
Application event totals		66.51	11.60	55.51	869.84	

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Fd 19 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	0.00	0.00	0.00	0.00	0.01 gal
Well Water #1	Ground water	3.04	0.00	0.00	102.86	57,780.00 gal
Application event totals		3.04	0.00	0.00	102.86	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	15.15	2.71	12.57	278.71	89,460.00 gal
Well Water #1	Ground water	5.38	0.00	0.00	182.01	102,240.00 gal
Application event totals		20.53	2.71	12.57	460.72	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	21.42	4.89	19.81	251.39	44,520.00 gal
Well Water #1	Ground water	2.34	0.00	0.00	79.26	44,520.00 gal
Application event totals		23.76	4.89	19.81	330.65	

Fd 19 - 05/04/2023: Sudangrass, silage

Field name: Fd 19

Crop: Sudangrass, silage

Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	80.98	15.70	75.14	871.06	172,056.00 gal
Well Water #1	Ground water	11.41	0.00	0.00	386.31	216,996.00 gal
Application event totals		92.39	15.70	75.14	1,257.37	

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Fd 19 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/30/2023	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
Pond #2-June Total	Process wastewater	44.12	8.79	38.07	878.59	339,624.00 gal
Well Water #1	Ground water	17.86	0.00	0.00	604.62	339,624.00 gal
Application event totals		61.97	8.79	38.07	1,483.21	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	43.56	7.50	28.99	1,320.59	545,688.00 gal
Well Water #1	Ground water	28.69	0.00	0.00	971.47	545,688.00 gal
Application event totals		72.25	7.50	28.99	2,292.06	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	46.20	7.95	30.75	1,400.63	578,760.00 gal
Well Water #1	Ground water	30.43	0.00	0.00	1,030.35	578,760.00 gal
Application event totals		76.63	7.95	30.75	2,430.98	
09/30/2023	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
Pond #2-September Total	Process wastewater	14.54	2.60	12.06	267.49	85,860.00 gal
Well Water #1	Ground water	4.51	0.00	0.00	152.85	85,860.00 gal
Application event totals		19.06	2.60	12.06	420.35	

Fd 20 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 20

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Fd 20 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 20: Soil Composite	Existing soil nutrient content	64.00	84.00	396.00	2.40	
Application event totals		64.00	84.00	396.00	2.40	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	23.17	4.05	24.81	215.87	80,004.00 gal
Well Water #1	Ground water	2.10	0.00	0.00	71.21	80,004.00 gal
Application event totals		25.27	4.05	24.81	287.08	
02/28/2023	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
Pond #2-February Total	Process wastewater	17.75	3.10	19.01	165.37	61,290.00 gal
Well Water #1	Ground water	1.61	0.00	0.00	54.56	61,290.00 gal
Application event totals		19.36	3.10	19.01	219.93	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	49.90	9.67	46.30	536.74	212,040.00 gal
Well Water #1	Ground water	5.57	0.00	0.00	188.74	212,040.00 gal
Application event totals		55.47	9.67	46.30	725.48	
04/30/2023	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
Pond #2-April Total	Process wastewater	63.45	12.30	58.88	682.54	269,640.00 gal
Well Water #1	Ground water	7.09	0.00	0.00	240.02	269,640.00 gal
Application event totals		70.54	12.30	58.88	922.56	

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Fd 20 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/30/2023	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
Pond #2-November Total	Process wastewater	10.82	1.94	8.98	199.08	127,800.00 gal
Well Water #1	Ground water	7.05	0.00	0.00	238.89	268,380.00 gal
Application event totals		17.88	1.94	8.98	437.97	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	19.89	4.54	18.40	233.44	82,680.00 gal
Well Water #1	Ground water	2.17	0.00	0.00	73.60	82,680.00 gal
Application event totals		22.07	4.54	18.40	307.03	

Fd 20 - 05/04/2023: Sudangrass, silage

Field name: Fd 20

Crop: Sudangrass, silage Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	105.00	20.35	97.43	1,129.45	446,190.00 gal
Well Water #1	Ground water	14.09	0.00	0.00	477.17	536,070.00 gal
Application event totals		119.09	20.35	97.43	1,606.62	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-June Total	Process wastewater	48.46	9.65	41.82	964.97	746,028.00 gal
Well Water #1	Ground water	19.61	0.00	0.00	664.06	746,028.00 gal
Application event totals		68.07	9.65	41.82	1,629.03	

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Fd 20 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	33.99	5.85	22.62	1,030.46	851,604.00 gal
Well Water #1	Ground water	22.39	0.00	0.00	758.04	851,604.00 gal
Application event totals		56.38	5.85	22.62	1,788.50	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	38.11	6.56	25.36	1,155.13	954,636.00 gal
Well Water #1	Ground water	25.09	0.00	0.00	849.75	954,636.00 gal
Application event totals		63.20	6.56	25.36	2,004.89	
09/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-September Total	Process wastewater	23.16	4.15	19.21	426.01	273,480.00 gal
Well Water #1	Ground water	7.19	0.00	0.00	243.43	273,480.00 gal
Application event totals		30.35	4.15	19.21	669.44	

Fd 21 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 21

Crop: Wheat, silage, soft dough Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 21: Soil Composite	Existing soil nutrient content	64.00	84.00	396.00	2.40	
Application event totals		64.00	84.00	396.00	2.40	

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Fd 21 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	26.83	4.69	28.74	250.02	138,990.00 gal
Well Water #1	Ground water	2.44	0.00	0.00	82.48	138,990.00 gal
Application event totals		29.27	4.69	28.74	332.50	
02/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-February Total	Process wastewater	24.58	4.30	26.33	229.07	127,347.00 gal
Well Water #1	Ground water	2.23	0.00	0.00	75.57	127,347.00 gal
Application event totals		26.82	4.30	26.33	304.64	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	44.00	8.53	40.82	473.25	280,440.00 gal
Well Water #1	Ground water	4.91	0.00	0.00	166.42	280,440.00 gal
Application event totals		48.91	8.53	40.82	639.67	
04/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-April Total	Process wastewater	75.24	14.59	69.81	809.30	479,574.00 gal
Well Water #1	Ground water	8.40	0.00	0.00	284.59	479,574.00 gal
Application event totals		83.64	14.59	69.81	1,093.89	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	7.22	1.29	5.98	132.72	127,800.00 gal
Well Water #1	Ground water	4.93	0.00	0.00	166.85	281,160.00 gal
Application event totals		12.14	1.29	5.98	299.57	

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

Fd 21 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	14.28	3.26	13.21	167.60	89,040.00 gal
Well Water #1	Ground water	1.56	0.00	0.00	52.84	89,040.00 gal
Application event totals		15.84	3.26	13.21	220.43	

Fd 21 - 05/04/2023: Sudangrass, silage

Field name: Fd 21

Crop: Sudangrass, silage Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	64.16	12.44	59.53	690.13	408,954.00 gal
Well Water #1	Ground water	9.98	0.00	0.00	337.93	569,454.00 gal
Application event totals		74.14	12.44	59.53	1,028.05	
06/30/2023	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
Pond #2-June Total	Process wastewater	37.48	7.46	32.34	746.42	865,596.00 gal
Well Water #1	Ground water	15.17	0.00	0.00	513.66	865,596.00 gal
Application event totals		52.65	7.46	32.34	1,260.08	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	34.87	6.00	23.20	1,056.88	1,310,160.00 gal
Well Water #1	Ground water	22.96	0.00	0.00	777.48	1,310,160.00 gal
Application event totals		57.82	6.00	23.20	1,834.36	

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Fd 21 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	36.59	6.30	24.35	1,109.22	1,375,032.00 gal
Well Water #1	Ground water	24.10	0.00	0.00	815.97	1,375,032.00 gal
Application event totals		60.69	6.30	24.35	1,925.19	
09/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-September Total	Process wastewater	86.73	15.52	71.92	1,595.06	1,535,940.00 gal
Well Water #1	Ground water	26.92	0.00	0.00	911.46	1,535,940.00 gal
Application event totals		113.65	15.52	71.92	2,506.52	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	92.59	17.01	72.04	986.16	636,864.00 gal
Well Water #1	Ground water	11.16	0.00	0.00	377.93	636,864.00 gal
Application event totals		103.75	17.01	72.04	1,364.09	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	30.75	7.02	28.44	360.83	191,700.00 gal
Well Water #1	Ground water	3.36	0.00	0.00	113.76	191,700.00 gal
Application event totals		34.11	7.02	28.44	474.59	

Fd 22 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 22

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Fd 22 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 22: Soil Composite	Existing soil nutrient content	60.00	80.00	404.00	2.06	
Application event totals		60.00	80.00	404.00	2.06	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	20.20	3.53	21.64	188.24	232,554.00 gal
Well Water #1	Ground water	1.83	0.00	0.00	62.10	232,554.00 gal
Application event totals		22.04	3.53	21.64	250.35	
02/28/2023	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
Pond #2-February Total	Process wastewater	14.85	2.60	15.90	138.36	170,931.00 gal
Well Water #1	Ground water	1.35	0.00	0.00	45.65	170,931.00 gal
Application event totals		16.20	2.60	15.90	184.01	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	42.06	8.15	39.03	452.42	595,764.00 gal
Well Water #1	Ground water	4.70	0.00	0.00	159.09	595,764.00 gal
Application event totals		46.76	8.15	39.03	611.51	
04/30/2023	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
Pond #2-April Total	Process wastewater	66.76	12.94	61.95	718.13	945,666.00 gal
Well Water #1	Ground water	7.46	0.00	0.00	252.53	945,666.00 gal
Application event totals		74.22	12.94	61.95	970.66	

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Fd 22 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/30/2023	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
Pond #2-November Total	Process wastewater	4.87	0.87	4.04	89.59	191,700.00 gal
Well Water #1	Ground water	3.58	0.00	0.00	121.15	453,690.00 gal
Application event totals		8.45	0.87	4.04	210.74	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	19.83	4.53	18.34	232.72	274,752.00 gal
Well Water #1	Ground water	2.17	0.00	0.00	73.37	274,752.00 gal
Application event totals		22.00	4.53	18.34	306.09	

Fd 22 - 05/04/2023: Sudangrass, silage

Field name: Fd 22

Crop: Sudangrass, silage

Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	130.58	25.31	121.16	1,404.58	1,849,602.00 gal
Well Water #1	Ground water	17.12	0.00	0.00	579.64	2,170,602.00 gal
Application event totals		147.70	25.31	121.16	1,984.22	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-June Total	Process wastewater	42.88	8.54	37.00	853.91	2,200,560.00 gal
Well Water #1	Ground water	17.35	0.00	0.00	587.64	2,200,560.00 gal
Application event totals		60.23	8.54	37.00	1,441.55	

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Fd 22 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	33.11	5.70	22.03	1,003.60	2,764,692.00 gal
Well Water #1	Ground water	21.80	0.00	0.00	738.28	2,764,692.00 gal
Application event totals		54.91	5.70	22.03	1,741.89	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	35.42	6.10	23.57	1,073.79	2,958,036.00 gal
Well Water #1	Ground water	23.33	0.00	0.00	789.91	2,958,036.00 gal
Application event totals		58.75	6.10	23.57	1,863.70	
09/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-September Total	Process wastewater	12.44	2.23	10.32	228.86	489,720.00 gal
Well Water #1	Ground water	3.86	0.00	0.00	130.77	489,720.00 gal
Application event totals		16.31	2.23	10.32	359.63	

Fd 23 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 23

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Fd 23: Soil Composite	Existing soil nutrient content	88.00	140.00	480.00	3.36	
Application event totals		88.00	140.00	480.00	3.36	

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Fd 23 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-January Total	Process wastewater	25.60	4.48	27.42	238.55	221,028.00 gal
Well Water #1	Ground water	2.32	0.00	0.00	78.70	221,028.00 gal
Application event totals		27.93	4.48	27.42	317.25	
02/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-February Total	Process wastewater	15.78	2.76	16.90	147.00	136,200.00 gal
Well Water #1	Ground water	1.43	0.00	0.00	48.49	136,200.00 gal
Application event totals		17.21	2.76	16.90	195.49	
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-March Total	Process wastewater	32.84	6.37	30.47	353.21	348,840.00 gal
Well Water #1	Ground water	3.67	0.00	0.00	124.21	348,840.00 gal
Application event totals		36.50	6.37	30.47	477.42	
04/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-April Total	Process wastewater	61.70	11.96	57.25	663.69	655,482.00 gal
Well Water #1	Ground water	6.89	0.00	0.00	233.39	655,482.00 gal
Application event totals		68.59	11.96	57.25	897.08	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	5.41	0.97	4.49	99.54	159,750.00 gal
Well Water #1	Ground water	3.49	0.00	0.00	118.31	332,280.00 gal
Application event totals		8.91	0.97	4.49	217.85	

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Fd 23 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
12/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-December Total	Process wastewater	18.98	4.33	17.55	222.66
Well Water #1	Ground water	2.07	0.00	0.00	70.20
Application event totals		21.05	4.33	17.55	292.86

Fd 23 - 05/04/2023: Sudangrass, silage

Field name: Fd 23

Crop: Sudangrass, silage Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-May Total	Process wastewater	122.13	23.68	113.33	1,313.74
Well Water #1	Ground water	18.37	0.00	0.00	621.98
Application event totals		140.50	23.68	113.33	1,935.72
06/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-June Total	Process wastewater	47.82	9.52	41.27	952.30
Well Water #1	Ground water	19.35	0.00	0.00	655.35
Application event totals		67.17	9.52	41.27	1,607.65
07/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-July Total	Process wastewater	29.48	5.07	19.62	893.63
Well Water #1	Ground water	19.41	0.00	0.00	657.38
Application event totals		48.89	5.07	19.62	1,551.02

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Fd 23 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	37.28	6.42	24.81	1,130.05	2,334,756.00 gal
Well Water #1	Ground water	24.55	0.00	0.00	831.30	2,334,756.00 gal
Application event totals		61.83	6.42	24.81	1,961.34	
09/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-September Total	Process wastewater	61.65	11.03	51.12	1,133.78	1,819,596.00 gal
Well Water #1	Ground water	19.13	0.00	0.00	647.87	1,819,596.00 gal
Application event totals		80.78	11.03	51.12	1,781.65	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	60.54	11.12	47.10	644.78	694,002.00 gal
Well Water #1	Ground water	7.30	0.00	0.00	247.10	694,002.00 gal
Application event totals		67.84	11.12	47.10	891.88	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	36.90	8.43	34.13	433.00	383,400.00 gal
Well Water #1	Ground water	4.03	0.00	0.00	136.51	383,400.00 gal
Application event totals		40.93	8.43	34.13	569.51	

Fd 24 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 24

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Fd 24 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Fd 24: Soil Composite	Existing soil nutrient content	88.00	140.00	480.00	3.36
Application event totals		88.00	140.00	480.00	3.36
01/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-January Total	Process wastewater	49.00	8.57	52.49	456.62
Well Water #1	Ground water	4.45	0.00	0.00	150.64
Application event totals		53.45	8.57	52.49	607.25
02/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-February Total	Process wastewater	22.72	3.97	24.33	211.68
Well Water #1	Ground water	2.06	0.00	0.00	69.83
Application event totals		24.78	3.97	24.33	281.51
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-March Total	Process wastewater	29.71	5.19	31.82	276.84
Well Water #1	Ground water	2.70	0.00	0.00	91.33
Application event totals		32.41	5.19	31.82	368.16
04/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-April Total	Process wastewater	48.95	9.49	45.42	526.53
Well Water #1	Ground water	5.47	0.00	0.00	185.15
Application event totals		54.42	9.49	45.42	711.69

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Fd 24 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	0.00	0.00	0.00	0.00	0.01 gal
Well Water #1	Ground water	2.03	0.00	0.00	68.58	128,400.00 gal
Application event totals		2.03	0.00	0.00	68.58	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	15.26	2.73	12.66	280.70	300,330.00 gal
Well Water #1	Ground water	4.74	0.00	0.00	160.40	300,330.00 gal
Application event totals		20.00	2.73	12.66	441.10	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	25.71	5.87	23.78	301.67	178,080.00 gal
Well Water #1	Ground water	2.81	0.00	0.00	95.11	178,080.00 gal
Application event totals		28.52	5.87	23.78	396.78	

Fd 24 - 05/16/2023: Corn, silage

Field name: Fd 24

Crop: Corn, silage

Plant date: 05/16/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	104.25	20.21	96.73	1,121.32	738,300.00 gal
Well Water #1	Ground water	18.23	0.00	0.00	617.18	1,155,600.00 gal
Application event totals		122.47	20.21	96.73	1,738.51	

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Fd 24 - 05/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/30/2023	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
Pond #2-June Total	Process wastewater	59.24	11.80	51.12	1,179.68	1,520,040.00 gal
Well Water #1	Ground water	23.97	0.00	0.00	811.82	1,520,040.00 gal
Application event totals		83.21	11.80	51.12	1,991.50	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	40.27	6.93	26.80	1,220.86	1,681,584.00 gal
Well Water #1	Ground water	26.52	0.00	0.00	898.10	1,681,584.00 gal
Application event totals		66.80	6.93	26.80	2,118.96	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	40.46	6.96	26.92	1,226.40	1,689,216.00 gal
Well Water #1	Ground water	26.64	0.00	0.00	902.18	1,689,216.00 gal
Application event totals		67.10	6.96	26.92	2,128.57	
09/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-September Total	Process wastewater	16.81	3.01	13.94	309.10	330,720.00 gal
Well Water #1	Ground water	5.22	0.00	0.00	176.63	330,720.00 gal
Application event totals		22.02	3.01	13.94	485.74	

Fd 25 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 25

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Fd 25 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
01/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Fd 25: Soil Composite	Existing soil nutrient content	88.00	140.00	480.00	3.36
Application event totals		88.00	140.00	480.00	3.36
01/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-January Total	Process wastewater	30.98	5.42	33.18	288.68
Well Water #1	Ground water	2.81	0.00	0.00	95.23
Application event totals		33.79	5.42	33.18	383.91
02/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-February Total	Process wastewater	22.48	3.93	24.08	209.47
Well Water #1	Ground water	2.04	0.00	0.00	69.10
Application event totals		24.52	3.93	24.08	278.58
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-March Total	Process wastewater	24.34	4.72	22.58	261.79
Well Water #1	Ground water	2.72	0.00	0.00	92.06
Application event totals		27.06	4.72	22.58	353.85
04/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Pond #2-April Total	Process wastewater	48.04	9.31	44.58	516.78
Well Water #1	Ground water	5.37	0.00	0.00	181.73
Application event totals		53.41	9.31	44.58	698.51

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Fd 25 - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-October Total	Process wastewater	0.00	0.00	0.00	0.00	0.01 gal
Well Water #1	Ground water	2.03	0.00	0.00	68.58	128,400.00 gal
Application event totals		2.03	0.00	0.00	68.58	
11/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-November Total	Process wastewater	14.94	2.67	12.39	274.73	293,940.00 gal
Well Water #1	Ground water	4.64	0.00	0.00	156.99	293,940.00 gal
Application event totals		19.57	2.67	12.39	431.72	
12/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-December Total	Process wastewater	25.71	5.87	23.78	301.67	178,080.00 gal
Well Water #1	Ground water	2.81	0.00	0.00	95.11	178,080.00 gal
Application event totals		28.52	5.87	23.78	396.78	

Fd 25 - 05/04/2023: Sudangrass, silage

Field name: Fd 25

Crop: Sudangrass, silage

Plant date: 05/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-May Total	Process wastewater	146.04	28.31	135.51	1,570.83	1,034,262.00 gal
Well Water #1	Ground water	22.39	0.00	0.00	758.11	1,419,462.00 gal
Application event totals		168.42	28.31	135.51	2,328.93	

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Fd 25 - 05/04/2023: Sudangrass, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/30/2023	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
Pond #2-June Total	Process wastewater	44.22	8.81	38.16	880.56	1,134,624.00 gal
Well Water #1	Ground water	17.90	0.00	0.00	605.98	1,134,624.00 gal
Application event totals		62.11	8.81	38.16	1,486.54	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-July Total	Process wastewater	28.41	4.89	18.91	861.16	1,186,140.00 gal
Well Water #1	Ground water	18.71	0.00	0.00	633.49	1,186,140.00 gal
Application event totals		47.12	4.89	18.91	1,494.65	
08/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-August Total	Process wastewater	27.69	4.77	18.43	839.45	1,156,248.00 gal
Well Water #1	Ground water	18.24	0.00	0.00	617.53	1,156,248.00 gal
Application event totals		45.93	4.77	18.43	1,456.98	
09/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Pond #2-September Total	Process wastewater	8.11	1.45	6.73	149.20	159,636.00 gal
Well Water #1	Ground water	2.52	0.00	0.00	85.26	159,636.00 gal
Application event totals		10.63	1.45	6.73	234.46	

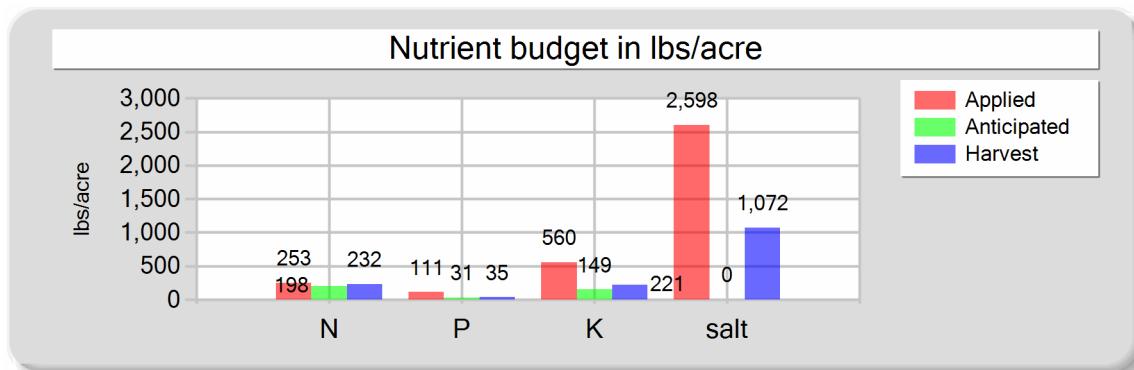
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B. NUTRIENT BUDGET

Fd 17 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 17 Crop: Wheat, silage, soft dough Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	60.00	80.00	404.00	2.06
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	163.17	31.22	155.76	1,823.26
Fresh water	22.83	0.00	0.00	773.07
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	253.00	111.22	559.76	2,598.39
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	232.22	34.83	220.61	1,072.15
Nutrient balance	20.78	76.38	339.16	1,526.24
Applied to removed ratio	1.09	3.19	2.54	2.42

Fresh water applied
3,184,440.00 gallons
117.27 acre-inches
5.33 inches/acre
Process wastewater applied
2,818,500.01 gallons
103.80 acre-inches
4.72 inches/acre
Total harvests for the crop
1 harvests

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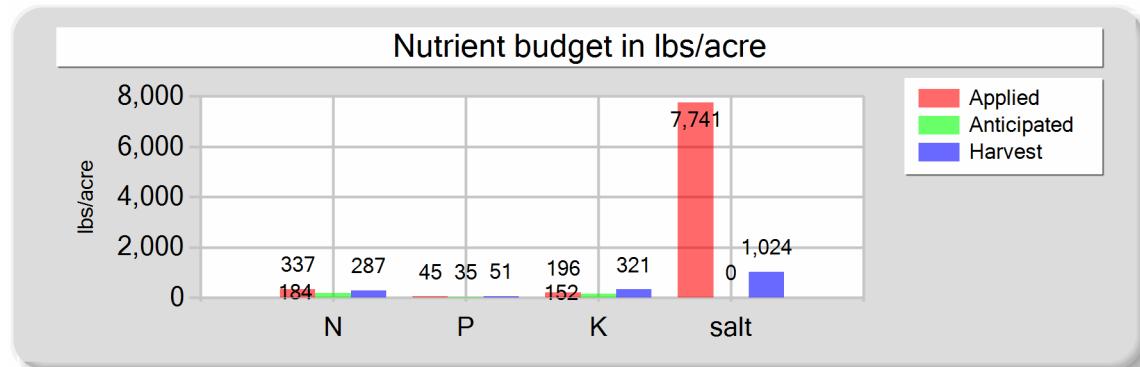
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Fd 17 - 05/16/2023: Corn, silage

Field name: Fd 17

Crop: Corn, silage

Plant date: 05/16/2023



	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	237.36	44.63	196.34	4,618.26
Fresh water	92.23	0.00	0.00	3,123.18
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	336.59	44.63	196.34	7,741.44
Anticipated crop nutrient removal	184.00	34.50	151.80	0.00
Actual crop nutrient removal	286.90	50.63	320.65	1,023.83
Nutrient balance	49.70	-6.00	-124.31	6,717.60
Applied to removed ratio	1.17	0.88	0.61	7.56

Fresh water applied

12,865,116.00 <i>gallons</i>
473.78 <i>acre-inches</i>
21.54 <i>inches/acre</i>

Process wastewater applied

12,056,196.00 <i>gallons</i>
443.99 <i>acre-inches</i>
20.18 <i>inches/acre</i>

Total harvests for the crop

1 <i>harvests</i>

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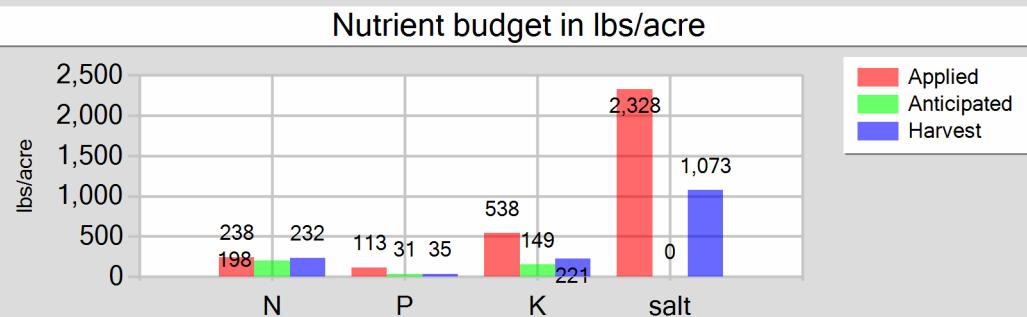
Reporting period 01/01/2023 to 12/31/2023.

Fd 18 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 18

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	64.00	84.00	396.00	2.40
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	148.92	28.56	142.44	1,647.97
Fresh water	20.02	0.00	0.00	678.00
Atmospheric deposition	4.67	0.00	0.00	0.00
Total nutrients applied	237.61	112.56	538.44	2,328.37
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	232.32	34.85	220.70	1,072.62
Nutrient balance	5.29	77.71	317.74	1,255.75
Applied to removed ratio	1.02	3.23	2.44	2.17

Fresh water applied

634,740.00 gallons
23.38 acre-inches
4.68 inches/acre

Process wastewater applied

570,540.01 gallons
21.01 acre-inches
4.20 inches/acre

Total harvests for the crop

1 harvests

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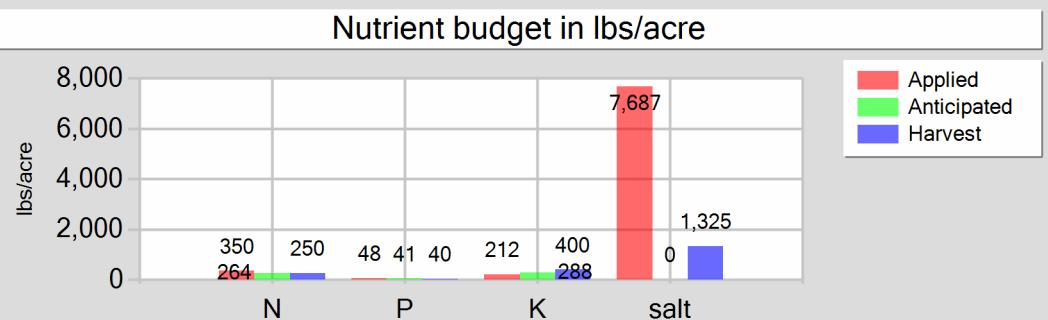
Reporting period 01/01/2023 to 12/31/2023.

Fd 18 - 05/04/2023: Sudangrass, silage

Field name: Fd 18

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	253.29	47.76	212.00	4,720.21
Fresh water	87.62	0.00	0.00	2,966.88
Atmospheric deposition	9.33	0.00	0.00	0.00
Total nutrients applied	350.23	47.76	212.00	7,687.10
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	249.84	39.53	399.74	1,324.96
Nutrient balance	100.39	8.23	-187.75	6,362.14
Applied to removed ratio	1.40	1.21	0.53	5.80

Fresh water applied

2,777,562.00 gallons
102.29 acre-inches
20.46 inches/acre

Process wastewater applied

2,732,622.00 gallons
100.63 acre-inches
20.13 inches/acre

Total harvests for the crop

2 harvests

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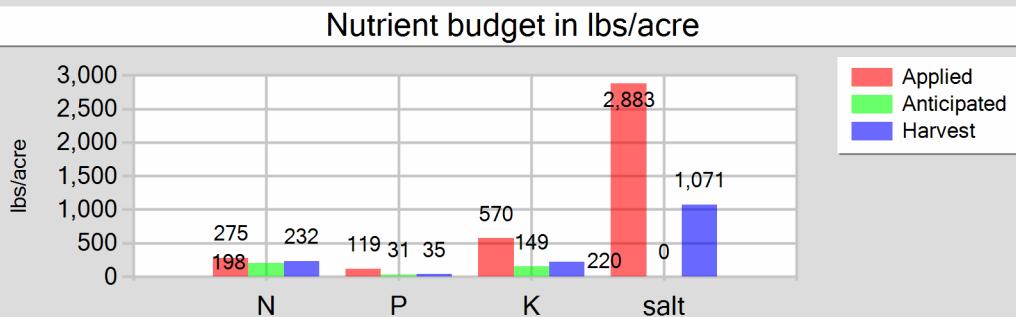
Reporting period 01/01/2023 to 12/31/2023.

Fd 19 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 19

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	64.00	84.00	396.00	2.40
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	180.90	34.59	173.78	2,007.24
Fresh water	25.78	0.00	0.00	872.97
Atmospheric deposition	4.67	0.00	0.00	0.00
Total nutrients applied	275.35	118.59	569.78	2,882.61
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	232.00	34.80	220.40	1,071.14
Nutrient balance	43.35	83.79	349.38	1,811.47
Applied to removed ratio	1.19	3.41	2.59	2.69

Fresh water applied

490,359.00 gallons
18.06 acre-inches
6.02 inches/acre

Process wastewater applied

419,799.01 gallons
15.46 acre-inches
5.15 inches/acre

Total harvests for the crop

1 harvests

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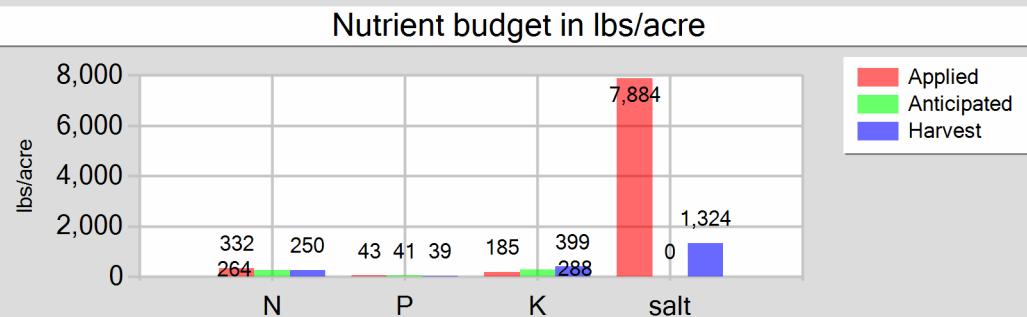
Reporting period 01/01/2023 to 12/31/2023.

Fd 19 - 05/04/2023: Sudangrass, silage

Field name: Fd 19

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	229.41	42.54	185.02	4,738.36
Fresh water	92.89	0.00	0.00	3,145.60
Atmospheric deposition	9.33	0.00	0.00	0.00
Total nutrients applied	331.64	42.54	185.02	7,883.96
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	249.60	39.49	399.36	1,323.79
Nutrient balance	82.04	3.05	-214.34	6,560.17
Applied to removed ratio	1.33	1.08	0.46	5.96

Fresh water applied

1,766,928.00 gallons
65.07 acre-inches
21.69 inches/acre

Process wastewater applied

1,721,988.00 gallons
63.41 acre-inches
21.14 inches/acre

Total harvests for the crop

2 harvests

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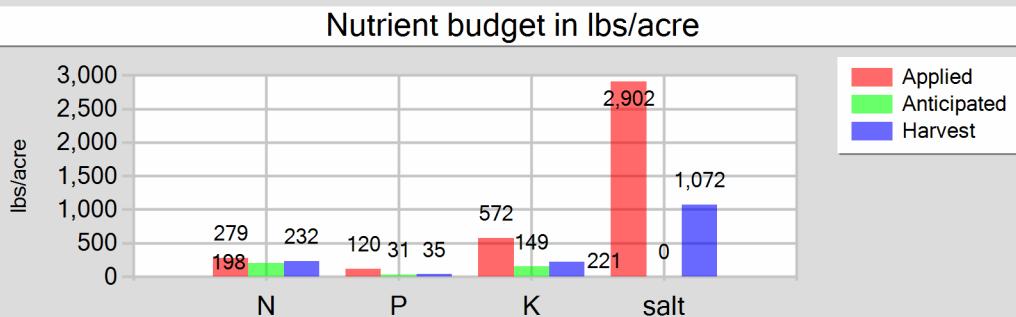
Reporting period 01/01/2023 to 12/31/2023.

Fd 20 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 20

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	64.00	84.00	396.00	2.40
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	184.99	35.61	176.38	2,033.04
Fresh water	25.60	0.00	0.00	867.02
Atmospheric deposition	4.67	0.00	0.00	0.00
Total nutrients applied	279.26	119.61	572.38	2,902.46
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	232.27	34.84	220.65	1,072.38
Nutrient balance	46.99	84.77	351.73	1,830.09
Applied to removed ratio	1.20	3.43	2.59	2.71

Fresh water applied

974,034.00 gallons
35.87 acre-inches
5.98 inches/acre

Process wastewater applied

833,454.00 gallons
30.69 acre-inches
5.12 inches/acre

Total harvests for the crop

1 harvests

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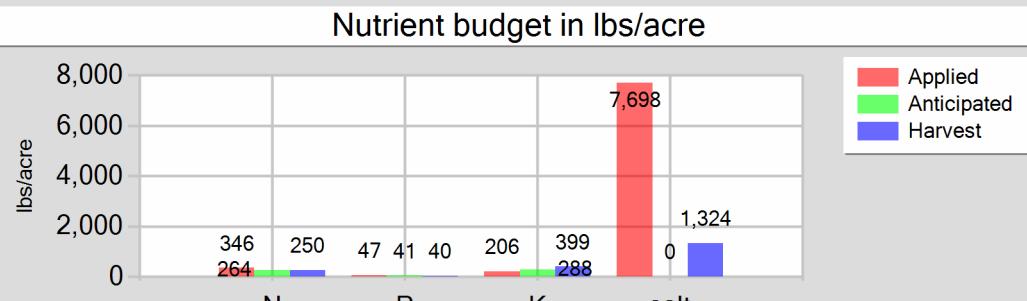
Reporting period 01/01/2023 to 12/31/2023.

Fd 20 - 05/04/2023: Sudangrass, silage

Field name: Fd 20

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	248.72	46.56	206.44	4,706.02
Fresh water	88.37	0.00	0.00	2,992.47
Atmospheric deposition	9.33	0.00	0.00	0.00
Total nutrients applied	346.43	46.56	206.44	7,698.49
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	249.67	39.50	399.47	1,324.02
Nutrient balance	96.76	7.06	-193.03	6,374.46
Applied to removed ratio	1.39	1.18	0.52	5.81

Fresh water applied

3,361,818.00 gallons
123.80 acre-inches
20.63 inches/acre

Process wastewater applied

3,271,938.00 gallons
120.49 acre-inches
20.08 inches/acre

Total harvests for the crop

2 harvests

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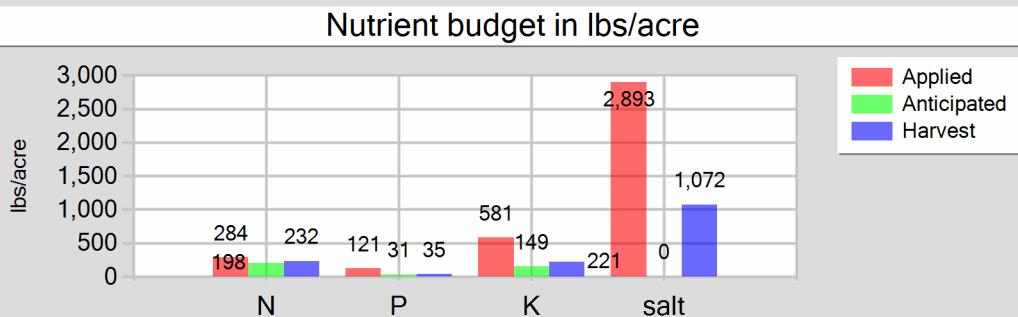
Reporting period 01/01/2023 to 12/31/2023.

Fd 21 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 21

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	64.00	84.00	396.00	2.40
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	192.15	36.66	184.90	2,061.96
Fresh water	24.47	0.00	0.00	828.74
Atmospheric deposition	3.50	0.00	0.00	0.00
Total nutrients applied	284.12	120.66	580.90	2,893.11
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	232.18	34.83	220.57	1,071.96
Nutrient balance	51.95	85.83	360.33	1,821.14
Applied to removed ratio	1.22	3.46	2.63	2.70

Fresh water applied
1,396,551.00 gallons
51.43 acre-inches
5.71 inches/acre

Process wastewater applied
1,243,191.00 gallons
45.78 acre-inches
5.09 inches/acre

Total harvests for the crop
1 harvests

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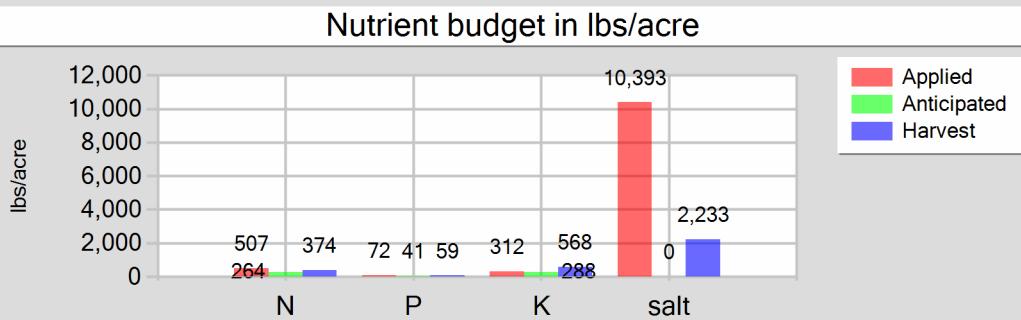
Reporting period 01/01/2023 to 12/31/2023.

Fd 21 - 05/04/2023: Sudangrass, silage

Field name: Fd 21

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	383.17	71.75	311.83	6,544.69
Fresh water	113.64	0.00	0.00	3,848.19
Atmospheric deposition	10.50	0.00	0.00	0.00
Total nutrients applied	507.31	71.75	311.83	10,392.88
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	373.84	59.33	568.02	2,233.38
Nutrient balance	133.48	12.43	-256.18	8,159.50
Applied to removed ratio	1.36	1.21	0.55	4.65

Fresh water applied

6,484,746.00 gallons
238.81 acre-inches
26.53 inches/acre

Process wastewater applied

6,324,246.00 gallons
232.90 acre-inches
25.88 inches/acre

Total harvests for the crop

3 harvests

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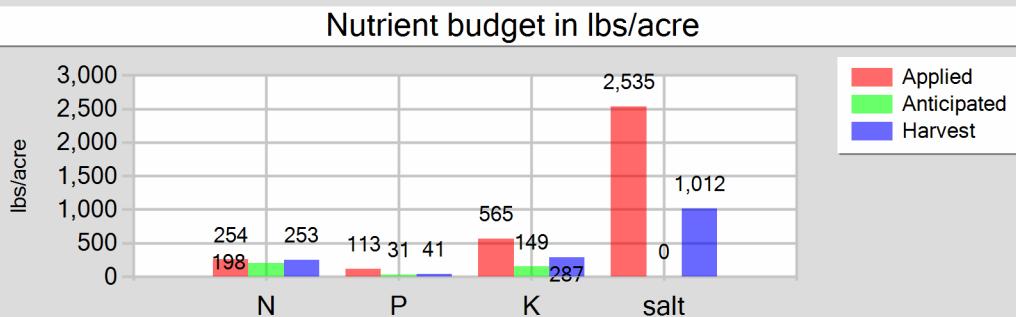
Reporting period 01/01/2023 to 12/31/2023.

Fd 22 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 22

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	60.00	80.00	404.00	2.06
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	168.58	32.62	160.90	1,819.47
Fresh water	21.08	0.00	0.00	713.89
Atmospheric deposition	4.67	0.00	0.00	0.00
Total nutrients applied	254.33	112.62	564.90	2,535.42
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	252.56	40.64	287.40	1,011.64
Nutrient balance	1.77	71.98	277.50	1,523.78
Applied to removed ratio	1.01	2.77	1.97	2.51

Fresh water applied

2,673,357.00 gallons
98.45 acre-inches
4.92 inches/acre

Process wastewater applied

2,411,367.00 gallons
88.80 acre-inches
4.44 inches/acre

Total harvests for the crop

1 harvests

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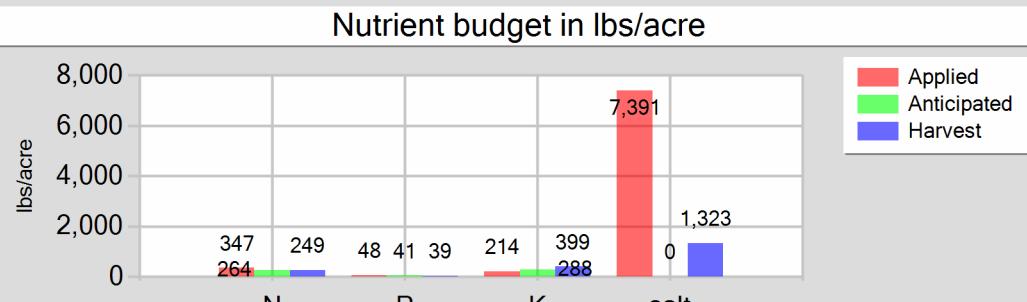
Reporting period 01/01/2023 to 12/31/2023.

Fd 22 - 05/04/2023: Sudangrass, silage

Field name: Fd 22

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	254.43	47.88	214.09	4,564.74
Fresh water	83.46	0.00	0.00	2,826.25
Atmospheric deposition	9.33	0.00	0.00	0.00
Total nutrients applied	347.23	47.88	214.09	7,390.99
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	249.48	39.47	399.17	1,323.08
Nutrient balance	97.75	8.40	-185.07	6,067.90
Applied to removed ratio	1.39	1.21	0.54	5.59

Fresh water applied

10,583,610.00 *gallons*
389.76 *acre-inches*
19.49 *inches/acre*

Process wastewater applied

10,262,610.00 *gallons*
377.94 *acre-inches*
18.90 *inches/acre*

Total harvests for the crop

2 *harvests*

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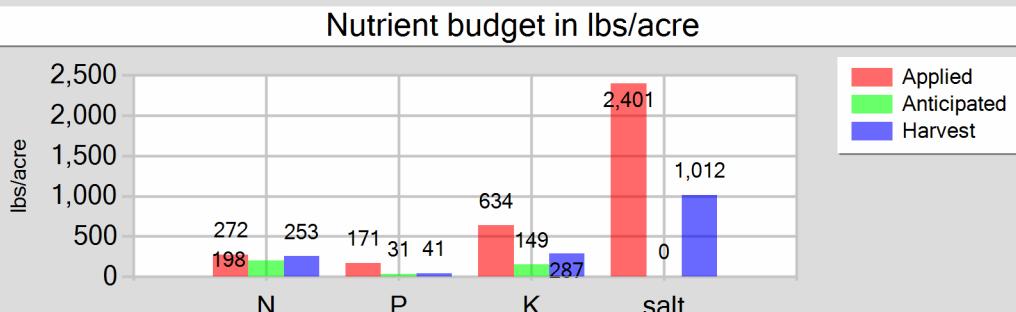
Reporting period 01/01/2023 to 12/31/2023.

Fd 23 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 23

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	88.00	140.00	480.00	3.36
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	160.30	30.86	154.08	1,724.66
Fresh water	19.88	0.00	0.00	673.29
Atmospheric deposition	3.50	0.00	0.00	0.00
Total nutrients applied	271.69	170.86	634.08	2,401.31
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	252.53	40.64	287.36	1,011.52
Nutrient balance	19.16	130.22	346.71	1,389.79
Applied to removed ratio	1.08	4.20	2.21	2.37

Fresh water applied

1,890,990.00 gallons
69.64 acre-inches
4.64 inches/acre

Process wastewater applied

1,718,460.00 gallons
63.29 acre-inches
4.22 inches/acre

Total harvests for the crop

1 harvests

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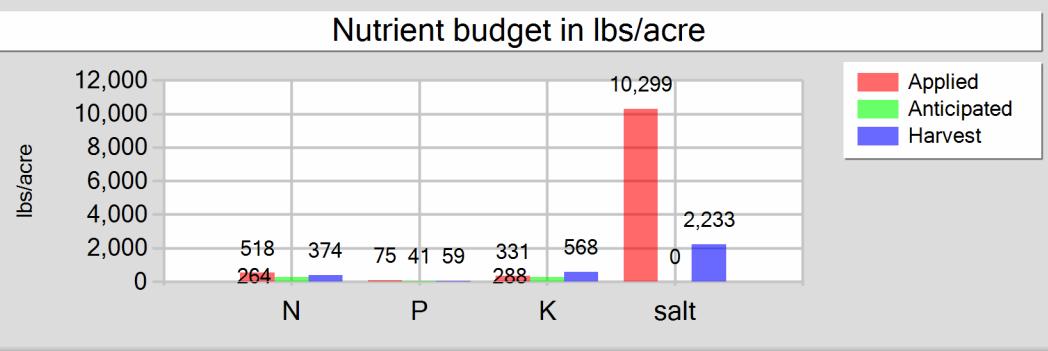
Reporting period 01/01/2023 to 12/31/2023.

Fd 23 - 05/04/2023: Sudangrass, silage

Field name: Fd 23

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	395.80	75.27	331.37	6,501.27
Fresh water	112.14	0.00	0.00	3,797.50
Atmospheric deposition	10.50	0.00	0.00	0.00
Total nutrients applied	518.45	75.27	331.37	10,298.76
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	373.74	59.31	567.90	2,232.84
Nutrient balance	144.70	15.96	-236.52	8,065.92
Applied to removed ratio	1.39	1.27	0.58	4.61

Fresh water applied

10,665,528.00 <i>gallons</i>
392.78 <i>acre-inches</i>
26.19 <i>inches/acre</i>

Process wastewater applied

10,216,128.00 <i>gallons</i>
376.23 <i>acre-inches</i>
25.08 <i>inches/acre</i>

Total harvests for the crop

3 <i>harvests</i>

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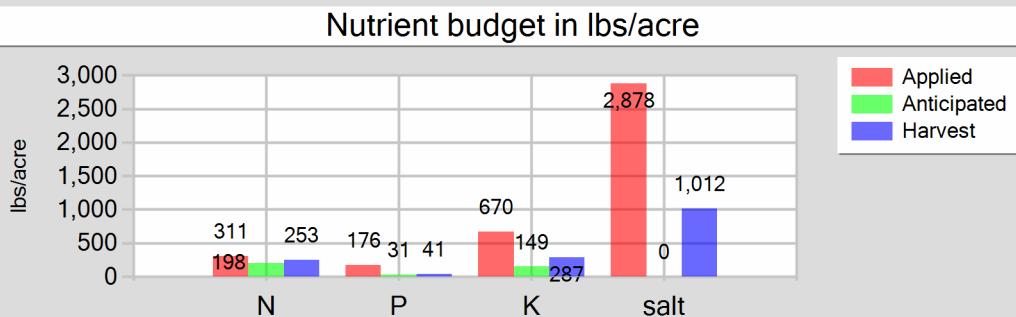
Reporting period 01/01/2023 to 12/31/2023.

Fd 24 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 24

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	88.00	140.00	480.00	3.36
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	191.35	35.82	190.50	2,054.04
Fresh water	24.25	0.00	0.00	821.04
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	310.60	175.82	670.50	2,878.44
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	252.65	40.66	287.50	1,011.99
Nutrient balance	57.95	135.17	383.00	1,866.45
Applied to removed ratio	1.23	4.32	2.33	2.84

Fresh water applied

1,537,290.00 gallons
56.61 acre-inches
5.66 inches/acre

Process wastewater applied

1,408,890.01 gallons
51.88 acre-inches
5.19 inches/acre

Total harvests for the crop

1 harvests

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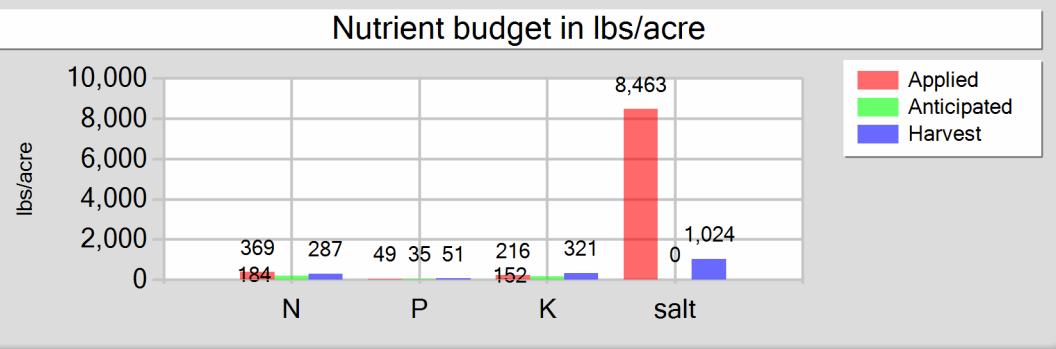
Reporting period 01/01/2023 to 12/31/2023.

Fd 24 - 05/16/2023: Corn, silage

Field name: Fd 24

Crop: Corn, silage

Plant date: 05/16/2023



	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	261.02	48.91	215.51	5,057.36
Fresh water	100.58	0.00	0.00	3,405.91
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	368.60	48.91	215.51	8,463.27
Anticipated crop nutrient removal	184.00	34.50	151.80	0.00
Actual crop nutrient removal	286.93	50.63	320.68	1,023.93
Nutrient balance	81.68	-1.72	-105.17	7,439.34
Applied to removed ratio	1.28	0.97	0.67	8.27

Fresh water applied

6,377,160.00 gallons
234.85 acre-inches
23.48 inches/acre

Process wastewater applied

5,959,860.00 gallons
219.48 acre-inches
21.95 inches/acre

Total harvests for the crop

1 harvests

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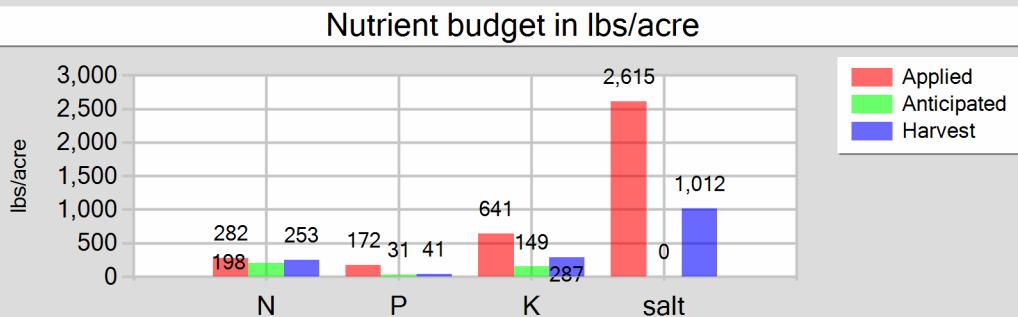
Reporting period 01/01/2023 to 12/31/2023.

Fd 25 - 11/19/2022: Wheat, silage, soft dough

Field name: Fd 25

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	88.00	140.00	480.00	3.36
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	166.49	31.92	160.59	1,853.13
Fresh water	22.41	0.00	0.00	758.80
Atmospheric deposition	4.67	0.00	0.00	0.00
Total nutrients applied	281.57	171.92	640.59	2,615.28
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	252.65	40.66	287.50	1,011.99
Nutrient balance	28.92	131.27	353.09	1,603.30
Applied to removed ratio	1.11	4.23	2.23	2.58

Fresh water applied
1,420,752.00 gallons
52.32 acre-inches
5.23 inches/acre

Process wastewater applied
1,292,352.01 gallons
47.59 acre-inches
4.76 inches/acre

Total harvests for the crop
1 harvests

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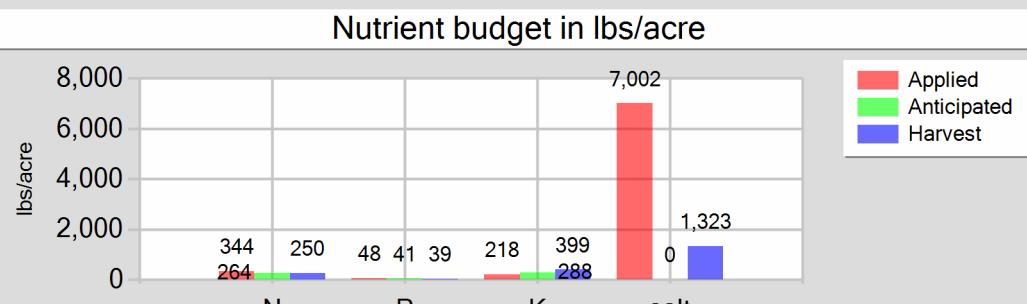
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Fd 25 - 05/04/2023: Sudangrass, silage

Field name: Fd 25

Crop: Sudangrass, silage

Plant date: 05/04/2023



	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	254.47	48.22	217.73	4,301.20
Fresh water	79.75	0.00	0.00	2,700.37
Atmospheric deposition	9.33	0.00	0.00	0.00
Total nutrients applied	343.54	48.22	217.73	7,001.57
Anticipated crop nutrient removal	264.00	40.80	288.00	0.00
Actual crop nutrient removal	249.56	39.48	399.30	1,323.48
Nutrient balance	93.98	8.74	-181.57	5,678.09
Applied to removed ratio	1.38	1.22	0.55	5.29

Fresh water applied
5,056,110.00 gallons
186.20 acre-inches
18.62 inches/acre

Process wastewater applied
4,670,910.00 gallons
172.01 acre-inches
17.20 inches/acre

Total harvests for the crop
2 harvests

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NUTRIENT ANALYSES**A. MANURE ANALYSES****Dry Manure-Heifer**Sample and source description: Dry Manure-HeiferSample date: 10/01/2023 Material type: Corral solidsSource of analysis: Lab analysisMethod of reporting: As-isMoisture: 12.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,900.00	4,700.00	27,500.00							51.00
DL	100.00	10.00	10.00							0.01

Dry Manure-Milk Cow (Med)Sample and source description: Dry Manure-Milk Cow (Med)Sample date: 10/01/2023 Material type: Corral solidsSource of analysis: Lab analysisMethod of reporting: As-isMoisture: 4.9 %

	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	19,000.00	4,900.00	25,900.00							51.00
DL	100.00	10.00	10.00							0.01

Dry Manure-Milk Cow (High)Sample and source description: Dry Manure-Milk Cow (High)Sample date: 10/12/2023 Material type: Corral solidsSource of analysis: Lab analysisMethod of reporting: As-isMoisture: 7.5 %

	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	19,300.00	6,600.00	20,200.00	24,000.00	7,100.00	6,600.00	5,600.00	5,000.00		50.20
DL	100.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		0.01

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Dry Manure-Milk Cow (Med)Sample and source description: Dry Manure-Milk Cow (Med)Sample date: 10/12/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 9.3 %

	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	17,000.00	5,700.00	16,800.00	20,700.00	6,400.00	5,200.00	5,100.00	5,000.00		52.50
DL	100.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		0.01

Dry Manure-Dry CowSample and source description: Dry Manure-Dry CowSample date: 10/21/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 10.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,400.00	3,700.00	24,700.00							51.00
DL	100.00	10.00	10.00							0.01

Dry Manure-HeiferSample and source description: Dry Manure-HeiferSample date: 10/21/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 12.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,900.00	3,800.00	26,200.00							51.00
DL	100.00	10.00	10.00							0.01

B. PROCESS WASTEWATER ANALYSES

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Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 03/29/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

	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 (μ mhos/cm)	TDS (mg/L)
Value	202.00	140.00		6.20	36.40	223.00								3,640.00	1,940
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 05/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.20

	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 (μ mhos/cm)	TDS (mg/L)
Value	169.00	146.00		0.20	32.80	157.00								3,390.00	1,820
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 06/12/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.30

	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 (μ mhos/cm)	TDS (mg/L)
Value	46.40	26.80		0.30	9.30	40.30								1,560.00	930
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 07/13/2023 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 (μ mhos/cm)	TDS (mg/L)
Value	28.60	10.70		0.10	4.94	19.10	188.00	11.20	96.00	313.00	0.00	227.00	99.20	1,310.00	870
DL	1.00	0.50		0.10	0.10	0.50	0.10	0.10	0.10	5.00	1.00	0.10	0.20	10.00	10

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Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 09/05/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.30

	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 (μ mhos/cm)	TDS (mg/L)
Value	60.70	44.10		0.20	10.90	50.50								1,640.00	1,120
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 10/04/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.20

	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 (μ mhos/cm)	TDS (mg/L)
Value	156.00	124.00		0.80	28.80	122.00								2,920.00	1,670
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 11/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.20

	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 (μ mhos/cm)	TDS (mg/L)
Value	172.00	143.00		1.00	39.50	160.00								3,630.00	2,030
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

Wastewater - Pond #2

Sample and source description: Wastewater - Pond #2

Sample date: 12/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.10

	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 (μ mhos/cm)	TDS (mg/L)
Value	293.00	232.00		0.80	51.80	231.00								5,370.00	2,320
DL	1.00	0.50		0.10	0.10	0.50								10.00	10

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C. FRESH WATER ANALYSES**Well Water #1****Well Water #1**Sample description: Well Water #1Sample date: 07/27/2023 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	18.90	1.00	17.90								984.00	640
DL	0.10	0.10	0.10								10.00	10

Well Water #2**Well Water #2**Sample description: Well Water #2Sample date: 07/27/2023 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	26.30	1.50	24.80								1,250.00	813
DL	0.10	0.10	0.10								10.00	10

D. SOIL ANALYSES**Fd 17****Fd 17: Composite 0-1 ft**Sample and source description: Fd 17: Composite 0-1 ftSample date: 10/02/2019 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	15.00		20.00	101.00	0.86	0.22	
DL	1.00		2.00	2.00	0.01	0.01	

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Fd 18

Fd 18: Composite 0-1 ft

Sample and source description: Fd 18: Composite 0-1 ft

Sample date: 10/02/2019 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	16.00		21.00	99.00	1.00	0.45	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 19

Fd 19: Composite 0-1 ft

Sample and source description: Fd 19: Composite 0-1 ft

Sample date: 10/02/2019 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	16.00		21.00	99.00	1.00	0.45	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 20

Fd 20: Composite 0-1 ft

Sample and source description: Fd 20: Composite 0-1 ft

Sample date: 10/02/2019 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	16.00		21.00	99.00	1.00	0.45	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 21

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Fd 21

Fd 21: Composite 0-1 ft

Sample and source description: Fd 21: Composite 0-1 ft

Sample date: 10/02/2019 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	16.00		21.00	99.00	1.00	0.45	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 22

Fd 22: Composite 0-1 ft

Sample and source description: Fd 22: Composite 0-1 ft

Sample date: 10/02/2019 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	15.00		20.00	101.00	0.86	0.22	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 23

Fd 23: Composite 0-1 ft

Sample and source description: Fd 23: Composite 0-1 ft

Sample date: 10/02/2019 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	22.00		35.00	120.00	1.40	0.65	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 24

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Fd 24

Fd 24: Composite 0-1 ft

Sample and source description: Fd 24: Composite 0-1 ft

Sample date: 10/02/2019 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	22.00		35.00	120.00	1.40	0.65	
DL	1.00		2.00	2.00	0.01	0.01	

Fd 25

Fd 25: Composite 0-1 ft

Sample and source description: Fd 25: Composite 0-1 ft

Sample date: 10/02/2019 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	22.00		35.00	120.00	1.40	0.65	
DL	1.00		2.00	2.00	0.01	0.01	

E. PLANT TISSUE ANALYSES

Fd 17 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 17

Sample and source description: Wheat Silage-Fd 17

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

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	7,600.00		11.40
DL	100.00	100.00	30.00		0.01

Fd 17 - 05/16/2023: Corn, silage

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Fd 17 - 05/16/2023: Corn, silage

Corn Silage-Fd 17

Sample and source description: Corn Silage-Fd 17

Sample date: 09/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	900.00	5,700.00		5.00
DL	100.00	100.00	30.00		0.01

Fd 18 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 18

Sample and source description: Wheat Silage-Fd 18

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

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	7,600.00		11.40
DL	100.00	100.00	30.00		0.01

Fd 18 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 18 (1st cut)

Sample and source description: Sorghum/Sudan-Fd 18 (1st cut)

Sample date: 07/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 73.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,000.00	1,000.00	9,600.00		12.70
DL	100.00	100.00	30.00		0.01

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Fd 18 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 18 (2nd cut)

Sample and source description: Sorghum/Sudan-Fd 18 (2nd cut)

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

Moisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	12,800.00		12.90
DL	100.00	100.00	30.00		0.01

Fd 19 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 19

Sample and source description: Wheat Silage-Fd 19

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

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	7,600.00		11.40
DL	100.00	100.00	30.00		0.01

Fd 19 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 19 (1st cut)

Sample and source description: Sorghum/Sudan-Fd 19 (1st cut)

Sample date: 07/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 73.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,000.00	1,000.00	9,600.00		12.70
DL	100.00	100.00	30.00		0.01

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Fd 19 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 19 (2nd cut)

Sample and source description: Sorghum/Sudan-Fd 19 (2nd cut)

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

Moisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	12,800.00		12.90
DL	100.00	100.00	30.00		0.01

Fd 20 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 20

Sample and source description: Wheat Silage-Fd 20

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

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	7,600.00		11.40
DL	100.00	100.00	30.00		0.01

Fd 20 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 20 (1st cut)

Sample and source description: Sorghum/Sudan-Fd 20 (1st cut)

Sample date: 07/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 73.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,000.00	1,000.00	9,600.00		12.70
DL	100.00	100.00	30.00		0.01

Annual Report - General Order No. R5-2007-0035

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

Fd 20 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 20 (2nd cut)

Sample and source description: Sorghum/Sudan-Fd 20 (2nd cut)

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

Moisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	12,800.00		12.90
DL	100.00	100.00	30.00		0.01

Fd 21 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 21

Sample and source description: Wheat Silage-Fd 21

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

Moisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	7,600.00		11.40
DL	100.00	100.00	30.00		0.01

Fd 21 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 21 (1st cut)

Sample and source description: Sorghum/Sudan-Fd 21 (1st cut)

Sample date: 07/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,400.00	1,300.00	12,600.00		12.90
DL	100.00	100.00	30.00		0.01

Annual Report - General Order No. R5-2007-0035

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

Fd 21 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 21 (2nd cut)

Sample and source description: Sorghum/Sudan-Fd 21 (2nd cut)

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,600.00	1,100.00	11,700.00		15.50
DL	100.00	100.00	30.00		0.01

Sorghum/Sudan-Fd 21 (3rd cut)

Sample and source description: Sorghum/Sudan-Fd 21 (3rd cut)

Sample date: 11/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,600.00	1,000.00	7,400.00		13.70
DL	100.00	100.00	30.00		0.01

Fd 22 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 22

Sample and source description: Wheat Silage-Fd 22

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

Moisture: 63.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,700.00	1,400.00	9,900.00		9.60
DL	100.00	100.00	30.00		0.01

Fd 22 - 05/04/2023: Sudangrass, silage

Annual Report - General Order No. R5-2007-0035

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

Fd 22 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 22 (1st cut)

Sample and source description: Sorghum/Sudan-Fd 22 (1st cut)

Sample date: 07/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 73.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,000.00	1,000.00	9,600.00		12.70
DL	100.00	100.00	30.00		0.01

Sorghum/Sudan-Fd 22 (2nd cut)

Sample and source description: Sorghum/Sudan-Fd 22 (2nd cut)

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

Moisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	12,800.00		12.90
DL	100.00	100.00	30.00		0.01

Fd 23 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 23

Sample and source description: Wheat Silage-Fd 23

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

Moisture: 63.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,700.00	1,400.00	9,900.00		9.60
DL	100.00	100.00	30.00		0.01

Fd 23 - 05/04/2023: Sudangrass, silage

Annual Report - General Order No. R5-2007-0035

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

Fd 23 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 23 (1st cut)

Sample and source description: Sorghum/Sudan-Fd 23 (1st cut)

Sample date: 07/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,400.00	1,300.00	12,600.00		12.90
DL	100.00	100.00	30.00		0.01

Sorghum/Sudan-Fd 23 (2nd cut)

Sample and source description: Sorghum/Sudan-Fd 23 (2nd cut)

Sample date: 10/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,600.00	1,100.00	11,700.00		15.50
DL	100.00	100.00	30.00		0.01

Sorghum/Sudan-Fd 23 (3rd cut)

Sample and source description: Sorghum/Sudan-Fd 23 (3rd cut)

Sample date: 11/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,600.00	1,000.00	7,400.00		13.70
DL	100.00	100.00	30.00		0.01

Fd 24 - 11/19/2022: Wheat, silage, soft dough

Annual Report - General Order No. R5-2007-0035

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

Fd 24 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 24

Sample and source description: Wheat Silage-Fd 24

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

Moisture: 63.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,700.00	1,400.00	9,900.00		9.60
DL	100.00	100.00	30.00		0.01

Fd 24 - 05/16/2023: Corn, silage

Corn Silage-Fd 24

Sample and source description: Corn Silage-Fd 24

Sample date: 09/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	900.00	5,700.00		5.00
DL	100.00	100.00	30.00		0.01

Fd 25 - 11/19/2022: Wheat, silage, soft dough

Wheat Silage-Fd 25

Sample and source description: Wheat Silage-Fd 25

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

Moisture: 63.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,700.00	1,400.00	9,900.00		9.60
DL	100.00	100.00	30.00		0.01

Annual Report - General Order No. R5-2007-0035*Reporting period 01/01/2023 to 12/31/2023.*

Fd 25 - 05/04/2023: Sudangrass, silage

Sorghum/Sudan-Fd 25 (1st cut)Sample and source description: Sorghum/Sudan-Fd 25 (1st cut)Sample date: 07/12/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 73.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,000.00	1,000.00	9,600.00		12.70
DL	100.00	100.00	30.00		0.01

Sorghum/Sudan-Fd 25 (2nd cut)Sample and source description: Sorghum/Sudan-Fd 25 (2nd cut)Sample date: 09/07/2023 Source of analysis: Lab analysis Method of reporting: As-isMoisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	1,200.00	12,800.00		12.90
DL	100.00	100.00	30.00		0.01

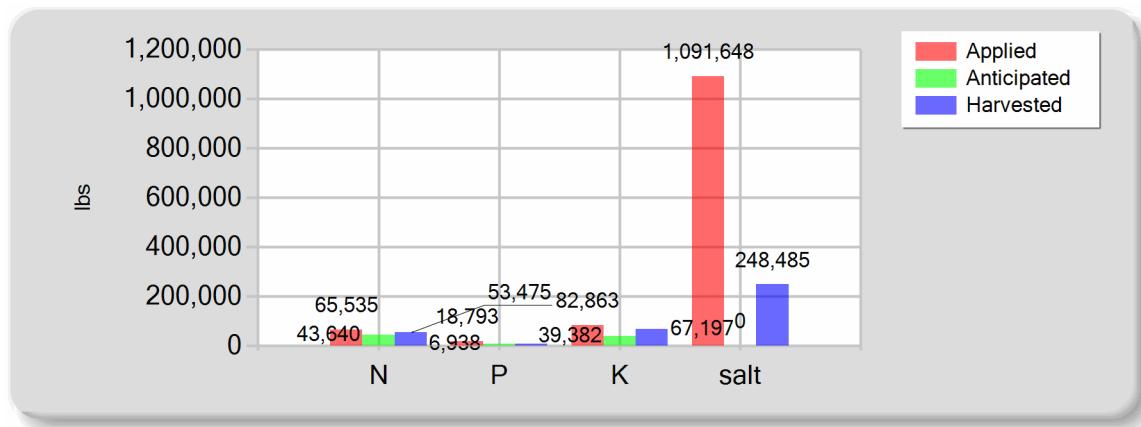
F. SUBSURFACE (TILE) DRAINAGE ANALYSES*No subsurface (tile) drainage analyses entered.*

Annual Report - General Order No. R5-2007-0035

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

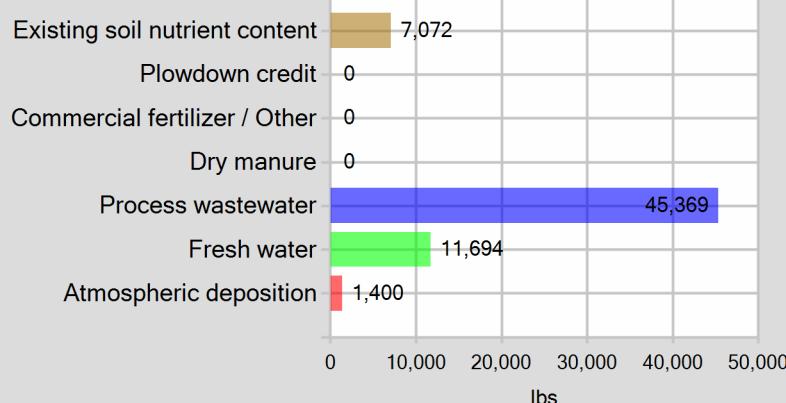
NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	7,072.00	10,192.00	42,876.00	259.32
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	45,368.94	8,600.94	39,987.42	695,415.59
Fresh water	11,693.57	0.00	0.00	395,972.74
Atmospheric deposition	1,400.00	0.00	0.00	0.00
Total nutrients applied	65,534.51	18,792.94	82,863.42	1,091,647.65
Anticipated crop nutrient removal	43,640.00	6,938.40	39,381.60	0.00
Actual crop nutrient removal	53,474.66	8,584.16	67,197.10	248,484.55
Nutrient balance	12,059.85	10,208.78	15,666.32	843,163.10
Applied to removed ratio	1.23	2.19	1.23	4.39

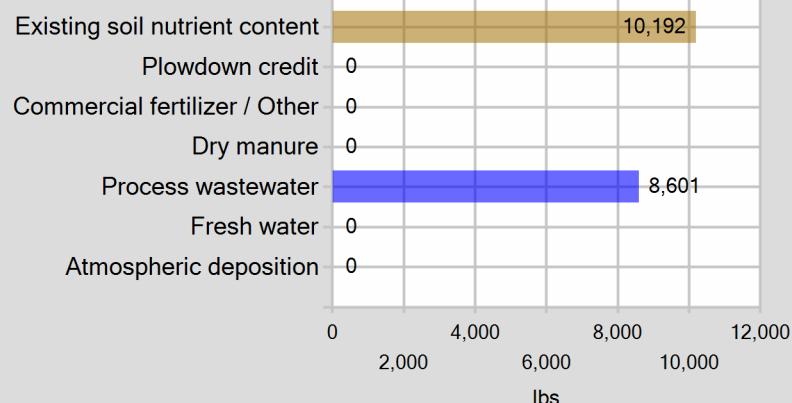
B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

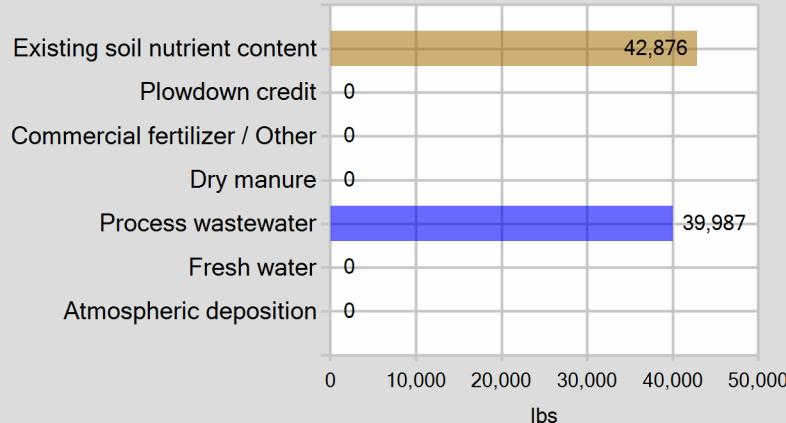
Pounds of nitrogen applied



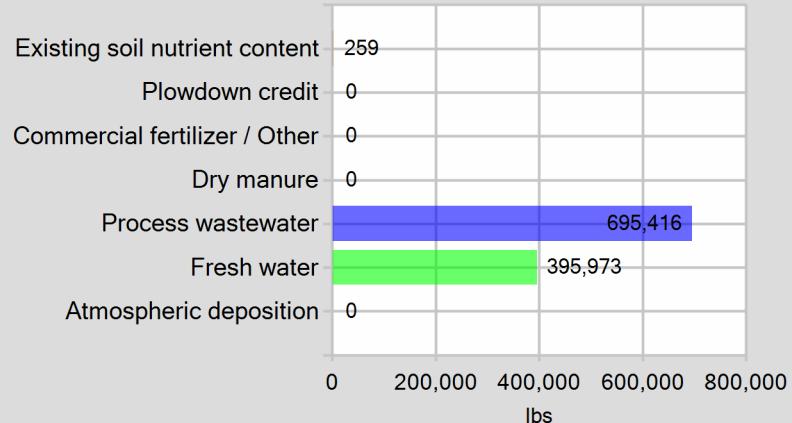
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



Annual Report - General Order No. R5-2007-0035

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? No

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? No

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

Annual Report - General Order No. R5-2007-0035

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

ADDITIONAL NOTES

A. NOTES

No notes entered for this annual report.

Annual Report - General Order No. R5-2007-0035

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

Rosemarie Millan

PRINT OR TYPE NAME

SIGNATURE OF OPERATOR OF FACILITY

Franz Affentranger

PRINT OR TYPE NAME

DATE

DATE

Annual Report - General Order No. R5-2007-0035

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.

Annual Report - General Order No. R5-2007-0035
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.

Rosemarie Milian

SIGNATURE OF OWNER OF FACILITY

Franz Affentraeger

PRINT OR TYPE NAME

6/30/2024

DATE

SIGNATURE OF OPERATOR OF FACILITY

Franz Affentraeger

PRINT OR TYPE NAME

6/30/2024

DATE

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

WORK REQUEST

Logged By _____

Results Needed By _____

BILL TO: 16346 /
 Acct#/Cons. _____

Purchase Order No _____

Affentranger & Sons Dairy
 Company Name
 1807 Kratzmeyer Rd
 Address
 Bakersfield, CA 93314
 City, State Zip
 661-589-3166 N/A
 Telephone Fax
 Californiafarmer@outlook.com
 Cell/Email

REQUESTED BY California RW QCB

PROJECT Dairy Testing

Crop Well Water Intended _____

Sampled By Franz Affentranger

No. of Water Samples 3 No. of Bottles 3

Water Type: Drinking Water Wastewater
 Ag Water Groundwater Monitoring Well
 Supply Water

Other: No. of Samples Soil Tissue Manure

Analysis and Bottles Required:

- Well Water (DWW1) - EC, NO₃-N, field NH₄-N, if detected run NH₄-N (1-1 liter plastic, unpreserved) (Annually)
 Well Water (DWW2) - DWW1 plus HCO₃, CO₃, Cl, SO₄, Dissolved Ca, Mg, Na, TDS (1-1 liter plastic, unpreserved) (Every 5 yrs)
 Process Water (DPW1) - EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK (1-1 liter plastic, unpreserved) (Quarterly)
 Process Water (DPW2) - DPW1 plus CO₃, HCO₃, Cl, SO₄, Total Ca, Mg, Na (1-1 liter plastic, unpreserved) (Every 2 yrs)
 Canal Water (DCW1) - EC, NO₃-N, TKN, TN, TDS (1-1 liter plastic, unpreserved)
 Manure (DM1) - N, P, K, Moisture (2x/yr)
 Manure (DM2) - DM1 plus Ash, Ca, Mg, Na, S, Cl (Every 2 yrs)
 Harvest Tissue (CRA1) - Moisture, N, P, K, Ash
 Mid-Season Grain Tissue (P1) - NO₃-N, PO₄-P, K
 Summer Sidedress Soil (DS1) - NO₃-N (0-1', 1-2')
 Fall Soil Analysis - FA1, OM (0-1'); NO₃-N (1-2')
 Soil - PO₄-P (Every 5 yrs)
 OTHER:

COPIES TO:

- Co Health Dept _____
 RWQCB Copy of Chain
 State Forms QA/QC Documents

Description of Sample	Field NH ₄ -N	Date/Time Sampled	Rec'd Temp °C
Well Water - Well 1	1.0	7/27/23 4:30am	
Well Water - Well #2	1.5	7/27/23 6:40am	
Well Water - Barr Well	1.0	7/27/23 6:50am	
4.			
5			

Description of Sample	Field NH ₄ -N	Date/Time Sampled	Rec'd Temp °C
6.			
7.			
8.			
9.			
10.			

CHAIN OF CUSTODY				
Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Reagan McCall	Affentranger & Sons	7/27/23 6:50am	7/27/23 9:00am
Second	Sherry R. Cial	Peninsula	7/27/23 9:00am	7/27/23 11:30am
Third				
Fourth				

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. 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 attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of DellaValle Laboratory, Inc., 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, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear 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 the event of arbitration, reasonable attorneys' fees of DellaValle Laboratory.

Invoicing Information:

Shipping

\$ _____ In
 \$ _____ Out

Signature _____

Amt Paid _____

Rec By _____

Check # _____

Date _____

DELLAVALLE™
L A B O R A T O R Y I N C

Report of Dairy Well Water Analysis

Affentranger & Sons Dairy
18107 Kratzmeyer Road
Bakersfield
00-0016316

CA 93314
08

E-mail: californiafarmer@outlook.com
Copy To:

Lab No.: 23G2095
Sampled By: Franz Affentranger
Requested By: Franz Affentranger
Submitted Date: 07/27/23
Reported Date: 08/08/23
Project:
Crop ID:

Sampled	Date	Time	Field	Total	pH				
			EC μmhos/cm	EC mmhos/cm	NO ₃ -N mg/L	NH ₄ -N mg/L	NH ₄ -N mg/L	at 25°C	
1	Well Water Well #1	7/27/23	6:30	984	0.98	17.9	1.0	ND	7.7
2	Well Water Well #2	7/27/23	6:40	1250	1.25	24.8	1.5	ND	7.6
3	Well Water Well #3 (Bakersfield)	7/27/23	6:50	982	0.98	18.5	1.0	ND	7.7

* = Field NH₄-N not Taken.

ND = None Detected

Approved By: Brett M. Friedland
Laboratory Director\Technical Manager

ELAP Certification #1595
A2LA Certification #64440.02

DELLAVALLE™ LABORATORY INC

Affentranger & Sons Dairy
18107 Kratzmeyer Road
Bakersfield, CA 93314

Account# 00-0016316
Account Manager: Ben Nydam
Submitted By: Franz Affentranger

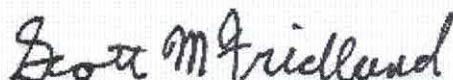
Received: 07/27/2023 17:20
Reported: 08/08/2023 16:22

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23G2095-01	Well Water Well #1	Water	Franz Affentranger		07/27/2023 6:30
23G2095-02	Well Water Well #2	Water	Franz Affentranger		07/27/2023 6:40
23G2095-03	Well Water Well #3	Water	Franz Affentranger		07/27/2023 6:50

Notes and Definitions

Item	Definition
H	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

ELAP Certification #1595
A2LA Certification #6440.02

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.

DELLAVALLE™

LABORATORY INC

Affentranger & Sons Dairy
 18107 Kratzmeyer Road
 Bakersfield, CA 93314

Account# 00-0016316
 Account Manager: Ben Nydam
 Submitted By: Franz Affentranger

Received: 07/27/2023 17:20
 Reported: 08/08/2023 16:22

Sample Results

**Sample: Well Water Well #1
 23G2095-01 (Water)**

Sampled: 7/27/2023 6:30

Sampled By: Franz Affentranger

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.98	mmhos/cm	0.01	1		07/31/23 15:17	SM 2510 B		BEG1123
Electrical Conductivity umhos	984	umhos/cm	10.0	1		07/31/23 15:17	SM 2510 B		BEG1123
Ammonia (as N)	ND	mg/L	0.500	1		08/03/23 14:00	SM 4500-NH3 H		BEH0066
Ammonia (as N)	1.00	mg/L	0.00	1		07/27/23 06:30	Field		BEG1094
Nitrate Nitrogen as NO3N	17.9	mg/L	0.1	1	10	07/28/23 19:21	EPA 300.0		BEG1102
pH	7.7	units	1.0	1		07/31/23 15:17	SM 4500-H+	H	BEG1123
Temperature	25.0	°C	0.0	1		07/31/23 15:17	SM 2510 B		BEG1123

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.

1910 W. McKinley Ave Suite 110 Fresno, CA 93728 559-233-6129 www.dellavallelab.com

DELLAVALLE™

LABORATORY INC

Affentranger & Sons Dairy
 18107 Kratzmeyer Road
 Bakersfield, CA 93314

Account# 00-0016316
 Account Manager: Ben Nydam
 Submitted By: Franz Affentranger

Received: 07/27/2023 17:20
 Reported: 08/08/2023 16:22

Sample Results (Continued)

**Sample: Well Water Well #2
 23G2095-02 (Water)**

Sampled: 7/27/2023 6:40

Sampled By: Franz Affentranger

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.25	mmhos/cm	0.01	1		07/31/23 15:18	SM 2510 B		BEG1123
Electrical Conductivity umhos	1250	umhos/cm	10.0	1		07/31/23 15:18	SM 2510 B		BEG1123
Ammonia (as N)	ND	mg/L	0.500	1		08/03/23 14:02	SM 4500-NH3 H		BEG0066
Ammonia (as N)	1.50	mg/L	0.00	1		07/27/23 06:40	Field		BEG1094
Nitrate Nitrogen as NO3N	24.8	mg/L	0.1	1	10	07/28/23 22:04	EPA 300.0		BEG1102
pH	7.6	units	1.0	1		07/31/23 15:18	SM 4500-H+	H	BEG1123
Temperature	25.0	°C	0.0	1		07/31/23 15:18	SM 2510 B		BEG1123

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DELLAVALLE™

LABORATORY INC

Affentranger & Sons Dairy
 18107 Kratzmeyer Road
 Bakersfield, CA 93314

Account# 00-0016316
 Account Manager: Ben Nydam
 Submitted By: Franz Affentranger

Received: 07/27/2023 17:20
 Reported: 08/08/2023 16:22

Sample Results (Continued)

**Sample: Well Water Well #3
 23G2095-03 (Water)**

Sampled: 7/27/2023 6:50

Sampled By: Franz Affentranger

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.98	mmhos/cm	0.01	1		07/31/23 15:19	SM 2510 B		BEG1123
Electrical Conductivity umhos	982	umhos/cm	10.0	1		07/31/23 15:19	SM 2510 B		BEG1123
Ammonia (as N)	ND	mg/L	0.500	1		08/03/23 14:03	SM 4500-NH3 H		BEH0066
Ammonia (as N)	1.00	mg/L	0.00	1		07/27/23 06:50	Field		BEG1094
Nitrate Nitrogen as NO3N	18.5	mg/L	0.1	1	10	07/28/23 22:24	EPA 300.0		BEG1102
pH	7.7	units	1.0	1		07/31/23 15:19	SM 4500-H+	H	BEG1123
Temperature	25.0	°C	0.0	1		07/31/23 15:19	SM 2510 B		BEG1123

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LABORATORY INC

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18107 Kratzmeyer Road
Bakersfield, CA 93314

Account# 00-0016316
Account Manager: Ben Nydam
Submitted By: Franz Affentranger

Received: 07/27/2023 17:20
Reported: 08/08/2023 16:22

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEG1102									
Blank (BEG1102-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 7/28/2023				
Blank (BEG1102-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 7/28/2023				
Blank (BEG1102-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 7/28/2023 Analyzed: 7/29/2023				
LCS (BEG1102-BS1)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	101	90-110			
LCS (BEG1102-BS2)									
Nitrate Nitrogen as NO3N	10.9	0.1	mg/L	5.000	218	90-110			
Duplicate (BEG1102-DUP1)									
Nitrate Nitrogen as NO3N	2.0	0.1	mg/L	2.0			0.304	10	
Duplicate (BEG1102-DUP2)									
Nitrate Nitrogen as NO3N	2.9	0.1	mg/L	2.9			1.96	10	
Matrix Spike (BEG1102-MS1)									
Nitrate Nitrogen as NO3N	7.2	0.1	mg/L	5.000	2.0	104	90-110		
Matrix Spike (BEG1102-MS2)									
Nitrate Nitrogen as NO3N	8.1	0.1	mg/L	5.000	2.9	104	90-110		
Reference (BEG1102-SRM1)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00	101	90-110			
Reference (BEG1102-SRM2)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00	102	90-110			
Reference (BEG1102-SRM3)									
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00	102	90-110			

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LABORATORY INC

Affentranger & Sons Dairy
18107 Kratzmeyer Road
Bakersfield, CA 93314

Account# 00-0016316
Account Manager: Ben Nydam
Submitted By: Franz Affentranger

Received: 07/27/2023 17:20
Reported: 08/08/2023 16:22

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEG1123									
Blank (BEG1123-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.7	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEG1123-BLK2)									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.6	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEG1123-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	5.6	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Duplicate (BEG1123-DUP1)									
		Source: 23G2091-02			Prepared: 7/28/2023 Analyzed: 7/31/2023				
pH	7.7	1.0	units		7.6		1.31	10	
Electrical Conductivity	0.26	0.01	mmhos/cm		0.26		1.08	10	
Electrical Conductivity umhos	258	10.0	umhos/cm		261		1.08	10	
Duplicate (BEG1123-DUP2)									
		Source: 23G2097-05			Prepared: 7/28/2023 Analyzed: 7/31/2023				
pH	7.8	1.0	units		7.7		0.516	10	
Electrical Conductivity	0.98	0.01	mmhos/cm		0.98		0.194	10	
Electrical Conductivity umhos	980	10.0	umhos/cm		978		0.194	10	
Reference (BEG1123-SRM1)									
Electrical Conductivity	508		umhos/cm	538.0		94.5	90-110		
Reference (BEG1123-SRM2)									
pH	7.8		units	7.790		100	.7163-101.28		
Reference (BEG1123-SRM3)									
Electrical Conductivity	945		umhos/cm	1000		94.5	90-110		
Electrical Conductivity umhos	945		umhos/cm	1000		94.5	90-110		
Reference (BEG1123-SRM4)									
		Prepared: 7/28/2023 Analyzed: 7/31/2023							
Electrical Conductivity	942		umhos/cm	1000		94.2	90-110		
Electrical Conductivity umhos	942		umhos/cm	1000		94.2	90-110		
Reference (BEG1123-SRM5)									
Electrical Conductivity	952		umhos/cm	1000		95.2	90-110		

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Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
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Batch: BEG1123 (Continued)

Reference (BEG1123-SRM5)					Prepared: 7/28/2023	Analyzed: 7/31/2023			
Electrical Conductivity umhos	952		umhos/cm	1000		95.2	90-110		
Reference (BEG1123-SRM6)					Prepared: 7/28/2023	Analyzed: 7/31/2023			
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEG1123-SRM7)					Prepared: 7/28/2023	Analyzed: 7/31/2023			
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEG1123-SRM8)					Prepared: 7/28/2023	Analyzed: 7/31/2023			
pH	4.0		units	4.000		100	97.5-102.5		

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LABORATORY INC

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18107 Kratzmeyer Road
Bakersfield, CA 93314

Account# 00-0016316
Account Manager: Ben Nydam
Submitted By: Franz Affentranger

Received: 07/27/2023 17:20
Reported: 08/08/2023 16:22

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0066									
Blank (BEH0066-BLK1)									
Ammonia (as N)	ND	0.500	mg/L		Prepared: 8/2/2023 Analyzed: 8/3/2023				
Blank (BEH0066-BLK2)									
Ammonia (as N)	ND	0.500	mg/L		Prepared: 8/2/2023 Analyzed: 8/3/2023				
LCS (BEH0066-BS1)									
Ammonia (as N)	9.68	0.500	mg/L	9.990		96.9	90-110		
LCS (BEH0066-BS2)									
Ammonia (as N)	9.66	0.500	mg/L	9.990		96.7	90-110		
Duplicate (BEH0066-DUP1)									
Ammonia (as N)	ND	0.500	mg/L		Prepared: 8/2/2023 Analyzed: 8/3/2023	ND			10
Duplicate (BEH0066-DUP2)									
Ammonia (as N)	ND	0.500	mg/L		Prepared: 8/2/2023 Analyzed: 8/3/2023	0.558			10
Matrix Spike (BEH0066-MS1)									
Ammonia (as N)	10.9	0.500	mg/L	9.990	ND	110	90-110		
Matrix Spike (BEH0066-MS2)									
Ammonia (as N)	12.6	0.500	mg/L	9.990	0.558	120	90-110		
Reference (BEH0066-SRM1)									
Ammonia (as N)	5.01		mg/L	5.470		91.5	90-110		

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07/27/23 17:20

24G2095

Logged By _____

Results Needed By _____

BILL TO: 163441

Acct#/Cons.

Purchase Order No

Affentranger & Sons Dairy

Company Name

18107 Kratzmeyer Rd

Address

Bakersfield, CA 93314

City, State Zip

661-589-3146

N/A

Telephone

Californiafarmer@outlook.com

Cell/Email

REQUESTED BY California RW QCB

PROJECT Dairy Testing

Crop Wast Water Intended _____

Sampled By Franz Affentranger

IR Thermometer SN: 192808727
Correction Factor: 0°C
Calibration Due: 9/26/2023
Location: Laboratory

Description of Sample	Field	NH ₄ -N	Date/Time Sampled	Rec'd	Temp °C
1. <u>well water - well 1</u>		1.0	<u>7/27/23 6:30am</u>		
2. <u>well water - well 2</u>		1.5	<u>7/27/23 6:40am</u>		
3. <u>well water - back well</u>		1.0	<u>7/27/23 6:50am</u>		
4. _____					
5. _____					

Water Type: Drinking Water Wastewater
 Ag Water Groundwater Monitoring Well
 Supply Water

Other: No. of Samples 3 Soil 3 Tissue 3 Manure 3

Analysis and Bottles Required:

- Well Water (DWW1) - EC, NO₃-N, field NH₄-N, if detected
run NH₄-N (1-1 liter plastic, unpreserved) (Annually)
- Well Water (DWW2) - DWW1 plus HCO₃, CO₃, Cl, SO₄, Dissolved Ca, Mg, Na, TDS (1-1 liter plastic, unpreserved) (Every 5 yrs)
- Process Water (DPW1) - EC, NO₃-N, NH₄-N, TKN, TDS, TP, TK (1-1 liter plastic, unpreserved) (Quarterly)
- Process Water (DPW2) - DPW1 plus CO₃, HCO₃, Cl, SO₄, Total Ca, Mg, Na, (1-1 liter plastic, unpreserved) (Every 2 yrs)
- Canal Water (DCW1) - EC, NO₃-N, TKN, TN, TDS (1-1 liter plastic, unpreserved)
- Manure (DMI) - N, P, K, Moisture (2x/yr)
- Manure (DM2) - DM1 plus Ash, Ca, Mg, Na, S, Cl (Every 2 yrs)
- Harvest Tissue (CRA1) - Moisture, N, P, K, Ash
- Mid-Season Grain Tissue (P1) - NO₃-N, PO₄-P, K
- Summer Sidedress Soil (DS1) - NO₃-N (0-1', 1-2')
- Fall Soil Analysis - FA1, OM (0-1'); NO₃-N (1-2')
- Soil - PO₄-P (Every 5 yrs)

OTHER:

COPIES TO:

- Co Health Dept _____
 RWQCB Copy of Chain
 State Forms QA/QC Documents

Description of Sample	Field	NH ₄ -N	Date/Time Sampled	Rec'd	Temp °C
6. _____					<u>2.3</u>
7. _____					<u>2.1</u>
8. _____					<u>2.9</u>
9. _____					
10. _____					

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>Rosemary</u>	<u>Affentranger & Sons</u>	<u>7/27/23 6:50am</u>	<u>7/27/23 9:00am</u>
Second	<u>Sherry A. Gal</u>	<u>Peninsula</u>	<u>7/27/23 9:00am</u>	<u>7/27/23 11:30am</u>
Third				
Fourth	<u>JGJ</u>	<u>DCI</u>	<u>7.27.23 17:20</u>	

I guarantee that as the client or on behalf of client named, I have the authority to contract the above requested services. 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 attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days, overdue accounts will be charged a late damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., 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, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear 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 the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:

Shipping
\$ 31 In
\$ _____ Out

Signature _____

Amt Paid _____

Rec By _____

Check # _____

Date _____

Shipping Information: Shipped In <input checked="" type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO ₃ or H ₂ SO ₄ were:					<input type="checkbox"/> Received Preserved		<input type="checkbox"/> Preserved Upon Receipt at Laboratory			
Type of Container(s) Received					Sample Number					
					1	2	3	4	5	6
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic	1	1	1						
	* pH Value	2	2	2						
	500 mL unpreserved (White) Plastic									
1 L unpreserved (White) Plastic	1	1	1							
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	100 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
Special	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
Chlorite/Bromate - 250 mL AG with EDA										
HAA5 - 250mL AG Ammonium Chlorite										
DO KIT										
Other:										
Other:										

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
--	---------------------	----------------	------------------------

Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
---------------------------------------	----------------------------	--------------------------------

MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
--------------------------------------	-----------------	-------------	-------------------

Contact Person:	Jerret McCaslin Name	(661) 746-1125 Phone Number
-----------------	-------------------------	--------------------------------

DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Farms, LLC Name	(661) 589-3166 Phone Number
---------------------------------	--------------------------------

18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
--------------------------------	---------------------	-------------	-------------------

Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
---------	----------------------	-------------------

Brandt Rd & 7th Standard Rd Street and nearest cross street (if no address)	Kern County
--	----------------

0103-0010-0028-0005 Assessor's Parcel Number	Kern Assessor's Parcel Number County
---	---

Last date hauled: 10/06/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 257.00 tons

Manure Solids Content: 95.1 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

<u>18107 Kratzmeyer Road</u>	<u>Bakersfield</u>	<u>Kern</u>	<u>93314-9481</u>
Number and Street	City	County	Zip Code

<u>Contact Person Name and Phone Number:</u>	<u>Franz Affentranger</u>	<u>(661) 589-3166</u>
	<u>Name</u>	Phone Number

MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

<u>18661 Beech AVE</u>	<u>Shafter</u>	<u>CA</u>	<u>93263</u>
Number and Street	City	State	Zip Code

<u>Contact Person:</u>	<u>Jerret McCaslin</u>	<u>(661) 746-1125</u>
	Name	Phone Number

DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

<u>Affentranger Farms, LLC</u>	<u>(661) 589-3166</u>
Name	Phone Number

<u>18107 Kratzmeyer RD</u>	<u>Bakersfield</u>	<u>CA</u>	<u>93314</u>
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

<u>Address</u>	<u>Buttonwillow</u>	<u>93206</u>
	City	Zip Code

<u>Brandt Rd & 7th Standard Rd</u>	<u>Kern</u>
Street and nearest cross street (if no address)	County

<u>0103-0010-0028-0005</u>	<u>Kern</u>
Assessor's Parcel Number	Assessor's Parcel Number County

Last date hauled: 10/06/2023

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

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 285.40 tons

Manure Solids Content: 95.1 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature



10/31/23

Date

Hauler Signature



10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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: Affentranger & Sons Dairy

Name of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATION

Name of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATION

Composting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone Number

Affentranger Farms, LLC Name	18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & 7th Standard Rd Street and nearest cross street (if no address)	Kern County
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0103-0010-0025-0006 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/07/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 254.40 tons

Manure Solids Content: 87.6 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

Hauler Signature

10/31/23
Date

10/31/23
Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

<u>18107 Kratzmeyer Road</u>	<u>Bakersfield</u>	<u>Kern</u>	<u>93314-9481</u>
Number and Street	City	County	Zip Code

<u>Contact Person Name and Phone Number:</u>	<u>Franz Affentranger</u>	<u>(661) 589-3166</u>
	<u>Name</u>	Phone Number

MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

<u>18661 Beech AVE</u>	<u>Shafter</u>	<u>CA</u>	<u>93263</u>
Number and Street	City	State	Zip Code

<u>Contact Person:</u>	<u>Jerret McCaslin</u>	<u>(661) 746-1125</u>
	Name	Phone Number

DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone Number

<u>Affentranger Farms, LLC</u>			
Name			

<u>18107 Kratzmeyer RD</u>	<u>Bakersfield</u>	<u>CA</u>	<u>93314</u>
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

	<u>Buttonwillow</u>	<u>93206</u>
Address	City	Zip Code

<u>Brandt Rd & 7th Standard Rd</u>	<u>Kern</u>
Street and nearest cross street (if no address)	County

<u>0103-0010-0031-0003</u>	<u>Kern</u>
Assessor's Parcel Number	Assessor's Parcel Number County

Last date hauled: 10/07/2023

Manure / Process Wastewater Tracking Manifest

**For
Existing Milk Cow Dairies**

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 152.60 tons

Manure Solids Content: 87.6 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

Hauler Signature

10/31/23
Date

10/31/23
Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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: Affentranger & Sons Dairy

Name of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number: Name	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATION

Name of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATION

Composting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Farms, LLC Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & 7th Standard Rd Street and nearest cross street (if no address)	Kern County
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0103-0010-0032-0006 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/08/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 451.80 tons

Manure Solids Content: 87.6 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number: Name	Franz Affentranger	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone Number

Affentranger Farms, LLC Name	Bakersfield City	CA State	93314 Zip Code
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18107 Kratzmeyer RD Address	Buttonwillow City	93206 Zip Code
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Destination Address or Assessor's Parcel Number:

Brandt Rd and 7th Standard Rd Street and nearest cross street (if no address)	Kern County
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0103-0010-0040-0009 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/08/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 235.60 tons

Manure Solids Content: 87.6 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Farms, LLC Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)	Kern County
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0103-0060-0005-0012 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/19/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 385.60 tons

Manure Solids Content: 90.7 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

Fry Haufer 10/31/23

Date

Hauler Signature

Jammy Haufer 10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

<u>18107 Kratzmeyer Road</u> Number and Street	<u>Bakersfield</u> City	<u>Kern</u> County	<u>93314-9481</u> Zip Code
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<u>Contact Person Name and Phone Number:</u>	<u>Franz Affentranger</u> Name	<u>(661) 589-3166</u> Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

<u>18661 Beech AVE</u> Number and Street	<u>Shafter</u> City	<u>CA</u> State	<u>93263</u> Zip Code
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<u>Contact Person:</u>	<u>Jerret McCaslin</u> Name	<u>(661) 746-1125</u> Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone Number

<u>Affentranger Farms, LLC</u> Name	<u>18107 Kratzmeyer RD</u> Address	<u>Bakersfield</u> City	<u>CA</u> State	<u>93314</u> Zip Code
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Destination Address or Assessor's Parcel Number:

<u>Address</u>	<u>Brandt Rd & Sullivan Rd</u> Street and nearest cross street (if no address)	<u>Buttonwillow</u> City	<u>93206</u> Zip Code
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Kern

County

<u>0103-0060-0005-0012</u> Assessor's Parcel Number	<u>Kern</u> Assessor's Parcel Number County
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Last date hauled: 10/19/2023

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

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 407.00 tons

Manure Solids Content: 92.5 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person:	Jerret McCaslin Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Brothers Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Bakersfield City	93314 Zip Code
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Kratzmeyer Rd & Superior Rd Street and nearest cross street (if no address)	Kern County
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0463-0020-0005-0006 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/19/2023

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

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 135.00 tons

Manure Solids Content: 92.5 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

Hauler Signature

10/31/23

Date

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
---------------------------------------	----------------------------	--------------------------------

MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person:	Jerret McCaslin Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone NumberAffentranger Brothers
Name

18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Bakersfield City	93314 Zip Code
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Kratzmeyer Rd & Superior Rd Street and nearest cross street (if no address)	Kern County
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0463-0020-0005-0006 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/19/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 135.00 tons

Manure Solids Content: 92.5 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
---------------------------------------	----------------------------	--------------------------------

MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Brothers Name	(661) 589-3166 Phone Number
-------------------------------	--------------------------------

18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Bakersfield City	93314 Zip Code
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Kratzmeyer Rd & Superior Rd Street and nearest cross street (if no address)	Kern County
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0463-0020-0005-0006 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/19/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 262.50 tons

Manure Solids Content: 92.5 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

<u>18107 Kratzmeyer Road</u> Number and Street	<u>Bakersfield</u> City	<u>Kern</u> County	<u>93314-9481</u> Zip Code
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<u>Contact Person Name and Phone Number:</u>	<u>Franz Affentranger</u> Name	<u>(661) 589-3166</u> Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

<u>18661 Beech AVE</u> Number and Street	<u>Shafter</u> City	<u>CA</u> State	<u>93263</u> Zip Code
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<u>Contact Person:</u>	<u>Jerret McCaslin</u> Name	<u>(661) 746-1125</u> Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

<u>Affentranger Ranches</u> Name	<u>(661) 589-3166</u> Phone Number
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<u>18107 Kratzmeyer RD</u> Address	<u>Bakersfield</u> City	<u>CA</u> State	<u>93314</u> Zip Code
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Destination Address or Assessor's Parcel Number:

<u>Address</u>	<u>Buttonwillow</u> City	<u>93206</u> Zip Code
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<u>Brandt Rd & Sullivan Rd</u> Street and nearest cross street (if no address)	<u>Kern</u> County
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<u>0104-0050-0001-0014</u> Assessor's Parcel Number	<u>Kern</u> Assessor's Parcel Number County
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Last date hauled: 10/20/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 71.30 tons

Manure Solids Content: 90.0 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person:	Jerret McCaslin Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166

Affentranger Ranches Name			Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)		Kern County
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0104-0050-0001-0014 Assessor's Parcel Number	Kern Assessor's Parcel Number County	
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Last date hauled: 10/20/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 128.50 tons

Manure Solids Content: 92.5 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

16/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person:	Jerret McCaslin Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Ranches Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)	Kern County
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0104-0050-0001-0014 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/20/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 285.40 tons

Manure Solids Content: 92.5 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Ranches Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)	Kern County
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0104-0050-0001-0014 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/20/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 285.40 tons

Manure Solids Content: 90.0 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

<u>18107 Kratzmeyer Road</u> Number and Street	<u>Bakersfield</u> City	<u>Kern</u> County	<u>93314-9481</u> Zip Code
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<u>Contact Person Name and Phone Number:</u>	<u>Franz Affentranger</u> Name	<u>(661) 589-3166</u> Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

<u>18661 Beech AVE</u> Number and Street	<u>Shafter</u> City	<u>CA</u> State	<u>93263</u> Zip Code
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<u>Contact Person:</u>	<u>Jerret McCaslin</u> Name	<u>(661) 746-1125</u> Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone Number

Affentranger Ranches

Name

<u>18107 Kratzmeyer RD</u> Address	<u>Bakersfield</u> City	<u>CA</u> State	<u>93314</u> Zip Code
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Destination Address or Assessor's Parcel Number:

<u>Address</u>	<u>Buttonwillow</u> City	<u>93206</u> Zip Code
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Brandt Rd & Sullivan Rd

Kern

Street and nearest cross street (if no address)

County

0103-0060-0010-0007

Kern

Assessor's Parcel Number

Assessor's Parcel Number County

Last date hauled: 10/21/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 385.60 tons

Manure Solids Content: 90.0 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person:	Jerret McCaslin Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166

Affentranger Ranches Name			Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)		Kern County
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0103-0060-0008-0002 Assessor's Parcel Number	Kern Assessor's Parcel Number County	
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Last date hauled: 10/25/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 225.90 tons

Manure Solids Content: 87.9 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: Jerret McCaslin Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

(661) 589-3166
Phone Number

Affentranger Ranches Name	Bakersfield City	CA State	93314 Zip Code
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18107 Kratzmeyer RD Address	Buttonwillow City	93206 Zip Code
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Destination Address or Assessor's Parcel Number: Address	Kern County
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)	Kern County
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0103-0060-0010-0007 Assessor's Parcel Number	Kern Assessor's Parcel Number County
---	---

Last date hauled: 10/25/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 225.80 tons

Manure Solids Content: 87.9 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23

Date

Hauler Signature

10/31/23

Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
--	--------------------------------

DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Ranches Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)	Kern County
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0103-0060-0012-0003 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/26/2023

Manure / Process Wastewater Tracking Manifest

For

Existing Milk Cow Dairies

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 385.60 tons

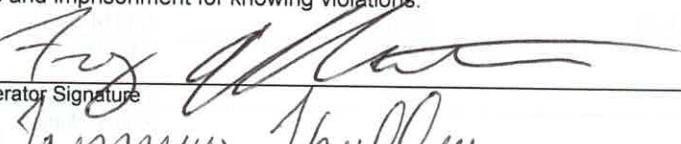
Manure Solids Content: 87.9 %

Method used to determine amount of manure:

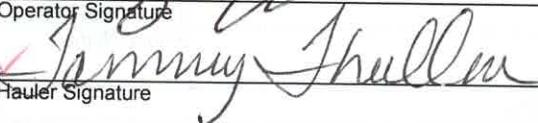
Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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


Operator Signature

10/31/23
Date


Hauler Signature

10/31/23
Date

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

General Order No. R5-2007-0035, Attachment D

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/process wastewater 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 INFORMATIONName of Operator: Affentranger & Sons DairyName of Dairy Facility: Affentranger & Sons Dairy Farms, Inc.

Facility Address:

18107 Kratzmeyer Road Number and Street	Bakersfield City	Kern County	93314-9481 Zip Code
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Contact Person Name and Phone Number:	Franz Affentranger Name	(661) 589-3166 Phone Number
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MANURE HAULER INFORMATIONName of Hauling Company/Person: McCaslin Trucking Inc.

Address of Hauling Company/Person:

18661 Beech AVE Number and Street	Shafter City	CA State	93263 Zip Code
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Contact Person: <u>Jerret McCaslin</u> Name	(661) 746-1125 Phone Number
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DESTINATION INFORMATIONComposting Facility / Broker / Farmer / Other (identify): Farmer

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

Affentranger Ranches Name	(661) 589-3166 Phone Number
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18107 Kratzmeyer RD Address	Bakersfield City	CA State	93314 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Buttonwillow City	93206 Zip Code
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Brandt Rd & Sullivan Rd Street and nearest cross street (if no address)	Kern County
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0103-0060-0012-0003 Assessor's Parcel Number	Kern Assessor's Parcel Number County
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Last date hauled: 10/26/2023

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

General Order No. R5-2007-0035, Attachment D

MANURE AMOUNT HAULED

Enter the amount of manure hauled in tons, manure solids content, and the method used to calculate the amount:

Manure: 428.00 tons

Manure Solids Content: 87.9 %

Method used to determine amount of manure:

Average from hauling weight tickets multiplied by the number of loads removed.

CERTIFICATION

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

Operator Signature

10/31/23
Date

Hauler Signature

10/31/23
Date