

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: Green Valley Dairy, LLC

Physical address of dairy:

2685 S Madera AVE

Number and Street

Kerman

Fresno

93630

City

County

Zip Code

Street and nearest cross street (if no address): _____

Date facility was originally placed in operation: 10/05/1953

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

County Assessor Parcel Number(s) for dairy facility:

0020-0042-017S-0000 0020-0042-041S-0000

B. OPERATORS

Campos, Tony

Operator name: Campos, Tony

Telephone no.: (559) 864-9488

Landline

Cellular

15516 S Walnut

Caruthers

CA

93609

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Campos, Tony

Legal owner name: Campos, Tony

Telephone no.: (559) 864-9488

Landline

Cellular

15516 S Walnut

Caruthers

CA

93609

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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	1,800	350	700	825	400	400
Number under roof	0	0	0	0	0	0
Maximum number	1,800	350	700	825	400	400
Average number	1,800	350	700	825	400	400
Avg live weight (lbs)	1,200	1,300	1,000	800		

Predominant milk cow breed: JerseyAverage milk production: 68 pounds per cow per day**B. MANURE GENERATED**Total manure excreted by the herd: 68,824.17 tons per reporting periodTotal nitrogen from manure: 847,637.62 lbs per reporting periodAfter ammonia losses (30% loss applied): 593,346.33 lbs per reporting periodTotal phosphorus from manure: 136,998.18 lbs per reporting periodTotal potassium from manure: 342,351.41 lbs per reporting periodTotal salt from manure: 928,012.50 lbs per reporting period**C. PROCESS WASTEWATER GENERATED**Process wastewater generated: 27,129,800 gallonsTotal nitrogen generated: 94,085.97 lbsTotal phosphorus generated: 12,181.73 lbsTotal potassium generated: 88,255.72 lbsTotal salt generated: 576,255.77 lbs

$$\begin{array}{r}
 27,129,800 \text{ gallons applied} \\
 + 0 \text{ gallons exported} \\
 - 0 \text{ gallons imported} \\
 = 27,129,800 \text{ gallons generated}
 \end{array}$$

D. FRESH WATER SOURCES

Source Description	Type
Barn	Ground water
Canal	Surface water

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E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	Corral solids	3,000.00 <i>ton</i>	As-is	29.0		11,800.00	5,400.00	18,000.00		54.70
10/22/2023	Corral solids	1,050.00 <i>ton</i>	As-is	29.0		11,800.00	5,400.00	18,000.00		54.70
10/23/2023	Corral solids	1,200.00 <i>ton</i>	As-is	29.0		11,800.00	5,400.00	18,000.00		54.70
10/25/2023	Corral solids	3,600.00 <i>ton</i>	As-is	29.0		11,800.00	5,400.00	18,000.00		54.70

No liquid nutrient exports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	208,860.00	95,580.00	318,600.00	6,874,149.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	208,860.00	95,580.00	318,600.00	6,874,149.00

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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
#1	19	19	2	process wastewater	0020-0042-017S-0000
#2	29	29	2	process wastewater	0020-0042-017S-0000
#3	63	63	2	process wastewater	0020-0042-041S-0000
#4	39	39	2	process wastewater	0020-0042-041S-0000
#6	16	16	2	manure	0023-0080-027S-0000 0023-0090-027S-0000 0023-0090-043S-0000
Totals for areas that were used for application	166	166	10		
Totals for areas that were not used for application					
Land application area totals	166	166	10		

B. CROPS AND HARVESTS

#1																				
Field name: #1																				
11/01/2022: Wheat, silage, boot stage																				
Crop: Wheat, silage, boot stage																				
Acres planted: 19 Plant date: 11/01/2022																				
<table border="1"> <thead> <tr> <th>Harvest date</th> <th>Yield</th> <th>Reporting basis</th> <th>Density (lbs/cu ft)</th> <th>Moisture (%)</th> <th>N (mg/kg)</th> <th>P (mg/kg)</th> <th>K (mg/kg)</th> <th>Salt (mg/kg)</th> <th>TFS (%)</th> </tr> </thead> <tbody> <tr> <td>06/16/2023</td> <td>311.50 ton</td> <td>Dry-weight</td> <td></td> <td>68.4</td> <td>14,400.00</td> <td>4,700.00</td> <td>25,700.00</td> <td></td> <td>10.35</td> </tr> </tbody> </table>	Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)	06/16/2023	311.50 ton	Dry-weight		68.4	14,400.00	4,700.00	25,700.00		10.35
Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)											
06/16/2023	311.50 ton	Dry-weight		68.4	14,400.00	4,700.00	25,700.00		10.35											
<table border="1"> <thead> <tr> <th></th> <th>Yield (tons/acre)</th> <th>Total N (lbs/acre)</th> <th>Total P (lbs/acre)</th> <th>Total K (lbs/acre)</th> <th>Salt (lbs/acre)</th> </tr> </thead> <tbody> <tr> <td>Anticipated harvest content</td> <td>16.00</td> <td>256.00</td> <td>44.80</td> <td>192.00</td> <td>0.00</td> </tr> <tr> <td>Total actual harvest content</td> <td>16.39</td> <td>149.21</td> <td>48.70</td> <td>266.29</td> <td>1,072.41</td> </tr> </tbody> </table>		Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)	Anticipated harvest content	16.00	256.00	44.80	192.00	0.00	Total actual harvest content	16.39	149.21	48.70	266.29	1,072.41		
	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)															
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00															
Total actual harvest content	16.39	149.21	48.70	266.29	1,072.41															

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#1

06/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 19 Plant date: 06/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	545.30 ton	Dry-weight		58.3	15,400.00	3,400.00	18,800.00		6.81
Anticipated harvest content									
Total actual harvest content									

#2

Field name: #2

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 29 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	515.20 ton	Dry-weight		71.8	17,700.00	5,300.00	32,000.00		11.27
Anticipated harvest content									
Total actual harvest content									

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 29 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	823.10 ton	Dry-weight		63.6	13,500.00	2,100.00	22,400.00		6.89
Anticipated harvest content									
Total actual harvest content									

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#3

Field name: #3

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 63 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/16/2023	1,023.60 ton	Dry-weight		68.9	20,300.00	3,300.00	24,500.00		11.13

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	16.25	205.15	33.35	247.60	1,124.80

06/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 63 Plant date: 06/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	1,804.20 ton	Dry-weight		74.1	18,200.00	2,500.00	33,200.00		7.54

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.64	269.99	37.09	492.51	1,118.52

#4

Field name: #4

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 39 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/19/2023	637.50 ton	Dry-weight		68.9	13,300.00	2,500.00	17,500.00		10.08

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	16.35	135.23	25.42	177.93	1,024.86

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#4

06/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 39 Plant date: 06/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/23/2023	1,135.30 ton	Dry-weight		62.4	21,100.00	3,100.00	22,600.00		8.62

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.11	461.90	67.86	494.73	1,887.00

#6

Field name: #6

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 16 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/23/2023	275.10 ton	Dry-weight		58.9	15,000.00	2,700.00	14,700.00		7.93

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	17.19	212.00	38.16	207.76	1,120.77

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 16 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	465.30 ton	Dry-weight		65.5	18,600.00	3,200.00	25,300.00		8.74

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.08	373.23	64.21	507.67	1,753.77

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NUTRIENT BUDGET**A. LAND APPLICATIONS**

#1 - 11/01/2022: Wheat, silage, boot stage

Field name: #1

Crop: Wheat, silage, boot stage Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	194.26	17.55	105.36	638.72	750,000.00 gal
Application event totals		194.26	17.55	105.36	638.72	
03/03/2023	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
Canal	Surface water	0.00	0.00	0.00	6.46	1,225,000.00 gal
Application event totals		0.00	0.00	0.00	6.46	
04/02/2023	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
Canal	Surface water	0.00	0.00	0.00	6.46	1,225,000.00 gal
Application event totals		0.00	0.00	0.00	6.46	

#1 - 06/25/2023: Corn, silage

Field name: #1

Crop: Corn, silage Plant date: 06/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		0.00	0.00	0.00	10.67	

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#1 - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	59.59	24.16	147.00	937.45	800,000.00 gal
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		59.59	24.16	147.00	948.12	
07/28/2023	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
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		0.00	0.00	0.00	10.67	
08/09/2023	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
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		0.00	0.00	0.00	10.67	
08/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	200.10	13.17	142.87	994.37	800,000.00 gal
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		200.10	13.17	142.87	1,005.05	
08/30/2023	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
WW	Process wastewater	200.10	13.17	142.87	994.37	800,000.00 gal
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		200.10	13.17	142.87	1,005.05	

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#1 - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		0.00	0.00	0.00	10.67	
09/20/2023	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
Canal	Surface water	0.00	0.00	0.00	10.67	2,025,000.00 gal
Application event totals		0.00	0.00	0.00	10.67	

#2 - 11/01/2022: Wheat, silage, boot stage

Field name: #2

Crop: Wheat, silage, boot stage Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	119.77	10.82	64.96	393.81	705,800.00 gal
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		119.77	10.82	64.96	398.56	
03/04/2023	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
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		0.00	0.00	0.00	4.75	

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#2 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
WW	Process wastewater	119.77	10.82	64.96	393.81
Canal	Surface water	0.00	0.00	0.00	4.75
Application event totals		119.77	10.82	64.96	398.56

#2 - 06/10/2023: Corn, silage

Field name: #2

Crop: Corn, silage

Plant date: 06/10/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
07/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	0.00	0.00	0.00	4.75
Application event totals		0.00	0.00	0.00	4.75
07/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal	Surface water	0.00	0.00	0.00	4.75
Application event totals		0.00	0.00	0.00	4.75
08/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
WW	Process wastewater	34.44	13.96	84.97	541.87
Canal	Surface water	0.00	0.00	0.00	4.75
Application event totals		34.44	13.96	84.97	546.62

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#2 - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		0.00	0.00	0.00	4.75	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	115.67	7.61	82.58	574.77	705,800.00 gal
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		115.67	7.61	82.58	579.52	
09/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	115.67	7.61	82.58	574.77	705,800.00 gal
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		115.67	7.61	82.58	579.52	
09/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	115.67	7.61	82.58	574.77	705,800.00 gal
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		115.67	7.61	82.58	579.52	
09/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	4.75	1,375,000.00 gal
Application event totals		0.00	0.00	0.00	4.75	

#3 - 11/01/2022: Wheat, silage, boot stage

Field name: #3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

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#3 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	88.74	8.02	48.13	291.77	1,136,000.00 gal
Application event totals		88.74	8.02	48.13	291.77	
02/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	88.80	8.02	48.16	291.98	1,136,800.00 gal
Application event totals		88.80	8.02	48.16	291.98	
03/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	88.80	8.02	48.16	291.98	1,136,800.00 gal
Canal	Surface water	0.00	0.00	0.00	8.66	5,450,000.00 gal
Application event totals		88.80	8.02	48.16	300.64	
04/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	8.66	5,450,000.00 gal
Application event totals		0.00	0.00	0.00	8.66	

#3 - 06/25/2023: Corn, silage

Field name: #3

Crop: Corn, silage

Plant date: 06/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		0.00	0.00	0.00	11.84	

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#3 - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	167.35	67.84	412.86	2,632.86	7,450,000.00 gal
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		167.35	67.84	412.86	2,644.70	
08/01/2023	Surface (irrigation)	No precipitation	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
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		0.00	0.00	0.00	11.84	
08/11/2023	Surface (irrigation)	No precipitation	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
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		0.00	0.00	0.00	11.84	
08/30/2023	Surface (irrigation)	No precipitation	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
WW	Process wastewater	85.76	5.64	61.23	426.14	1,136,800.00 gal
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		85.76	5.64	61.23	437.99	
09/01/2023	Surface (irrigation)	No precipitation	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
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		0.00	0.00	0.00	11.84	

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#3 - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	85.76	5.64	61.23	426.14	1,136,800.00 gal
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		85.76	5.64	61.23	437.99	
09/21/2023	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
Canal	Surface water	0.00	0.00	0.00	11.84	7,450,000.00 gal
Application event totals		0.00	0.00	0.00	11.84	

#4 - 11/01/2022: Wheat, silage, boot stage

Field name: #4

Crop: Wheat, silage, boot stage Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	143.44	12.96	77.80	471.65	1,136,800.00 gal
Application event totals		143.44	12.96	77.80	471.65	
03/02/2023	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
Canal	Surface water	0.00	0.00	0.00	7.77	3,025,000.00 gal
Application event totals		0.00	0.00	0.00	7.77	
04/06/2023	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
Canal	Surface water	0.00	0.00	0.00	7.77	3,025,000.00 gal
Application event totals		0.00	0.00	0.00	7.77	

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#4 - 06/25/2023: Corn, silage

Field name: #4

Crop: Corn, silage

Plant date: 06/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
07/29/2023	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
WW	Process wastewater	66.22	26.85	163.37	1,041.86	1,825,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		66.22	26.85	163.37	1,055.86	
08/09/2023	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
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
08/19/2023	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
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
08/29/2023	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
WW	Process wastewater	222.39	14.63	158.78	1,105.12	1,825,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		222.39	14.63	158.78	1,119.12	

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#4 - 06/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/09/2023	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
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	
09/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	222.39	14.63	158.78	1,105.12	1,825,000.00 gal
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		222.39	14.63	158.78	1,119.12	
09/29/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	13.99	5,450,000.00 gal
Application event totals		0.00	0.00	0.00	13.99	

#6 - 11/01/2022: Wheat, silage, boot stage

Field name: #6

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	258.13	118.13	393.75	8,495.59	175.00 ton
Application event totals		258.13	118.13	393.75	8,495.59	
02/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	8.63	1,378,400.00 gal
Application event totals		0.00	0.00	0.00	8.63	

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#6 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	8.63	1,378,400.00 gal
Application event totals		0.00	0.00	0.00	8.63	

#6 - 06/10/2023: Corn, silage

Field name: #6

Crop: Corn, silage

Plant date: 06/10/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Plow/disc	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	420.00	135.00	592.50	13,938.67	300.00 ton
Application event totals		420.00	135.00	592.50	13,938.67	
07/16/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.88	2,378,000.00 gal
Application event totals		0.00	0.00	0.00	14.88	
07/26/2023	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
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	
08/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	

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#6 - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/16/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	
08/26/2023	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
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	
09/16/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	
09/26/2023	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
Canal	Surface water	0.00	0.00	0.00	14.89	2,378,400.00 gal
Application event totals		0.00	0.00	0.00	14.89	

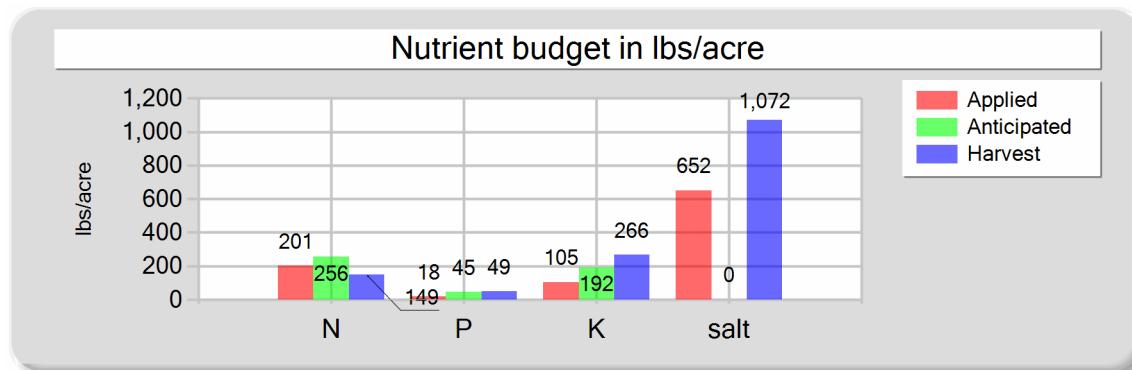
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B. NUTRIENT BUDGET

#1 - 11/01/2022: Wheat, silage, boot stage

Field name: #1	Crop: Wheat, silage, boot stage	Plant date: 11/01/2022
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	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	194.26	17.55	105.36	638.72
Fresh water	0.00	0.00	0.00	12.91
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	201.26	17.55	105.36	651.63
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	149.21	48.70	266.29	1,072.41
Nutrient balance	52.05	-31.15	-160.93	-420.78
Applied to removed ratio	1.35	0.36	0.40	0.61

Fresh water applied
2,450,000.00 gallons
90.23 acre-inches
4.75 inches/acre
Process wastewater applied
750,000.00 gallons
27.62 acre-inches
1.45 inches/acre
Total harvests for the crop
1 harvests

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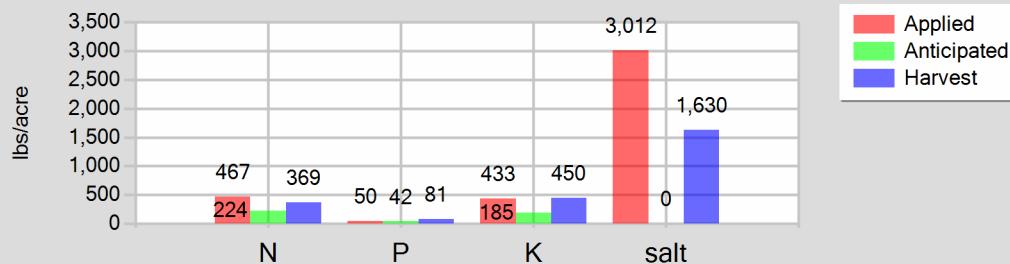
#1 - 06/25/2023: Corn, silage

Field name: #1

Crop: Corn, silage

Plant date: 06/25/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	459.79	50.49	432.73	2,926.20
Fresh water	0.00	0.00	0.00	85.38
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	466.79	50.49	432.73	3,011.58
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	368.61	81.38	449.99	1,630.03
Nutrient balance	98.18	-30.89	-17.26	1,381.55
Applied to removed ratio	1.27	0.62	0.96	1.85

Fresh water applied

16,200,000.00 gallons
596.59 acre-inches
31.40 inches/acre

Process wastewater applied

2,400,000.00 gallons
88.38 acre-inches
4.65 inches/acre

Total harvests for the crop

1 harvests

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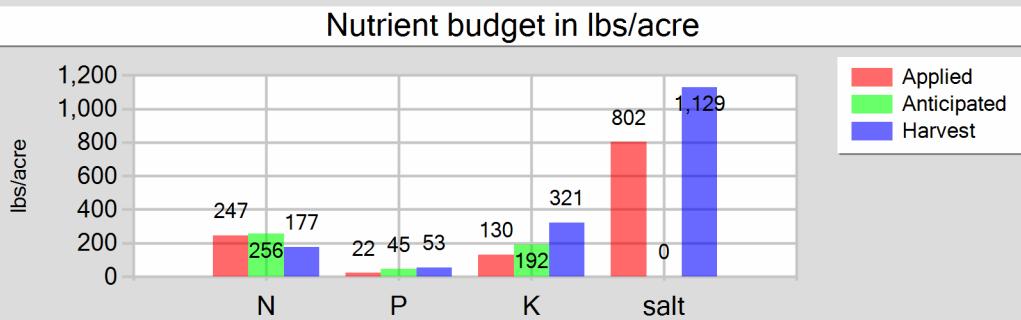
Reporting period 01/01/2023 to 12/31/2023.

#2 - 11/01/2022: Wheat, silage, boot stage

Field name: #2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



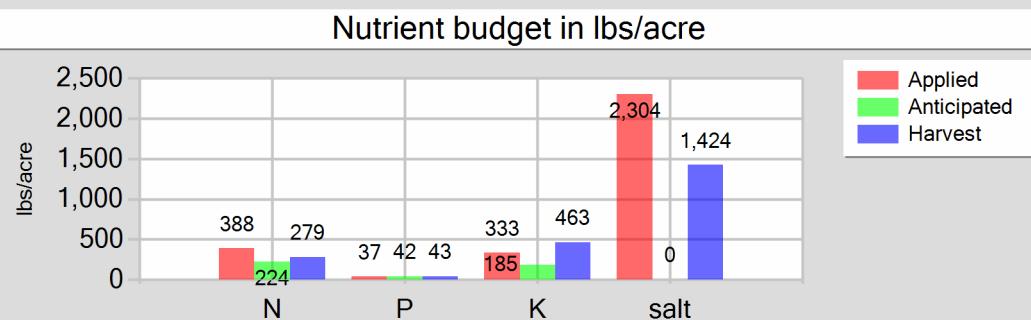
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	4,125,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	151.91 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	5.24 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	239.54	21.64	129.92	787.62	1,411,600.00 gallons
Fresh water	0.00	0.00	0.00	14.24	51.98 acre-inches
Atmospheric deposition	7.00	0.00	0.00	0.00	1.79 inches/acre
Total nutrients applied	246.54	21.64	129.92	801.87	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	177.35	53.10	320.63	1,129.23	
Nutrient balance	69.19	-31.47	-190.71	-327.36	
Applied to removed ratio	1.39	0.41	0.41	0.71	
Total harvests for the crop					1 harvests

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

#2 - 06/10/2023: Corn, silage

Field name: #2 Crop: Corn, silage Plant date: 06/10/2023



	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	381.44	36.79	332.71	2,266.19
Fresh water	0.00	0.00	0.00	37.98
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	388.44	36.79	332.71	2,304.17
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	278.95	43.39	462.84	1,423.66
Nutrient balance	109.49	-6.60	-130.13	880.52
Applied to removed ratio	1.39	0.85	0.72	1.62

Fresh water applied

11,000,000.00 gallons
405.09 acre-inches
13.97 inches/acre

Process wastewater applied

2,823,200.00 gallons
103.97 acre-inches
3.59 inches/acre

Total harvests for the crop

1 harvests

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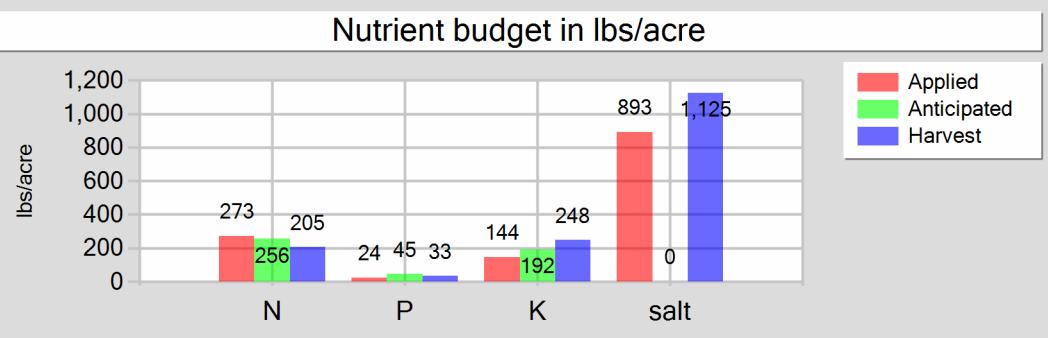
Reporting period 01/01/2023 to 12/31/2023.

#3 - 11/01/2022: Wheat, silage, boot stage

Field name: #3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



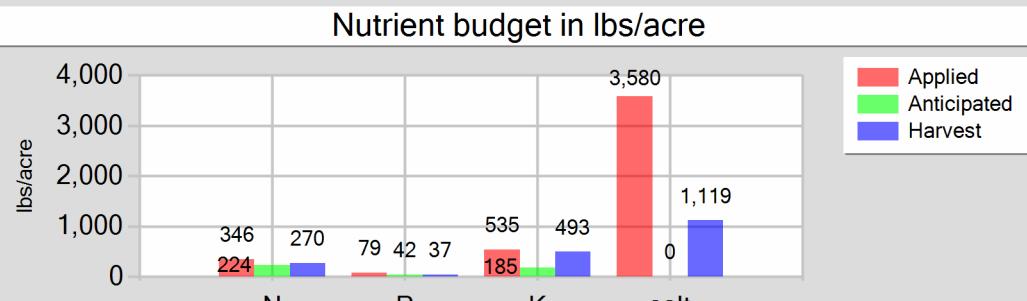
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	10,900,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	401.41 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	6.37 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	266.33	24.06	144.45	875.72	3,409,600.00 gallons
Fresh water	0.00	0.00	0.00	17.33	125.56 acre-inches
Atmospheric deposition	7.00	0.00	0.00	0.00	1.99 inches/acre
Total nutrients applied	273.33	24.06	144.45	893.05	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	205.15	33.35	247.60	1,124.80	
Nutrient balance	68.18	-9.29	-103.15	-231.75	
Applied to removed ratio	1.33	0.72	0.58	0.79	
Total harvests for the crop					1 harvests

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

#3 - 06/25/2023: Corn, silage

Field name: #3 Crop: Corn, silage Plant date: 06/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	338.86	79.13	535.31	3,485.15
Fresh water	0.00	0.00	0.00	94.74
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	345.86	79.13	535.31	3,579.88
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	269.99	37.09	492.51	1,118.52
Nutrient balance	75.87	42.04	42.81	2,461.36
Applied to removed ratio	1.28	2.13	1.09	3.20

Fresh water applied
59,600,000.00 gallons
2,194.87 acre-inches
34.84 inches/acre

Process wastewater applied
9,723,600.00 gallons
358.09 acre-inches
5.68 inches/acre

Total harvests for the crop
1 harvests

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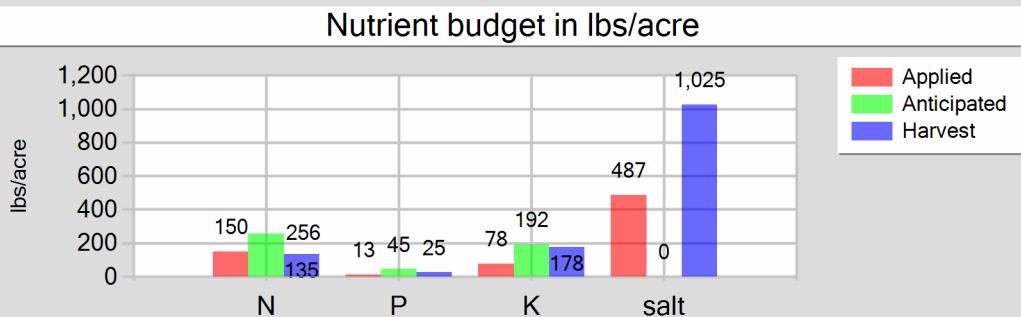
Reporting period 01/01/2023 to 12/31/2023.

#4 - 11/01/2022: Wheat, silage, boot stage

Field name: #4

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	143.44	12.96	77.80	471.65
Fresh water	0.00	0.00	0.00	15.53
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	150.44	12.96	77.80	487.19
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	135.23	25.42	177.93	1,024.86
Nutrient balance	15.22	-12.46	-100.13	-537.68
Applied to removed ratio	1.11	0.51	0.44	0.48

Fresh water applied

6,050,000.00 gallons
222.80 acre-inches
5.71 inches/acre

Process wastewater applied

1,136,800.00 gallons
41.86 acre-inches
1.07 inches/acre

Total harvests for the crop

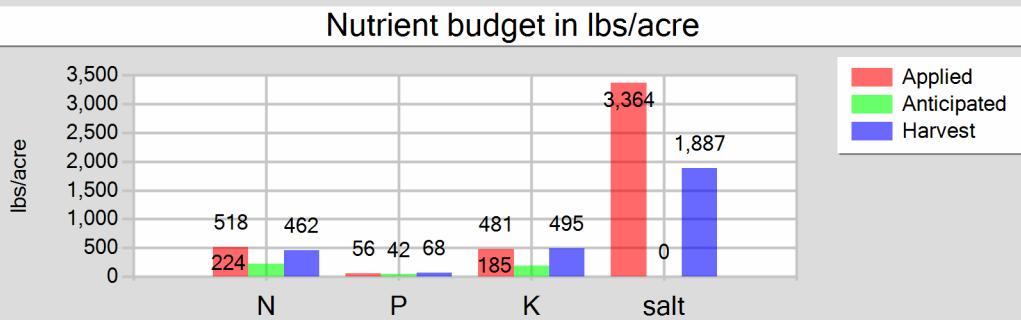
1 harvests

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

#4 - 06/25/2023: Corn, silage

Field name: #4 Crop: Corn, silage Plant date: 06/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	511.00	56.11	480.93	3,252.11
Fresh water	0.00	0.00	0.00	111.95
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	518.00	56.11	480.93	3,364.06
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	461.90	67.86	494.73	1,887.00
Nutrient balance	56.11	-11.75	-13.80	1,477.07
Applied to removed ratio	1.12	0.83	0.97	1.78

Fresh water applied
43,600,000.00 gallons
1,605.64 acre-inches
41.17 inches/acre

Process wastewater applied
5,475,000.00 gallons
201.63 acre-inches
5.17 inches/acre

Total harvests for the crop
1 harvests

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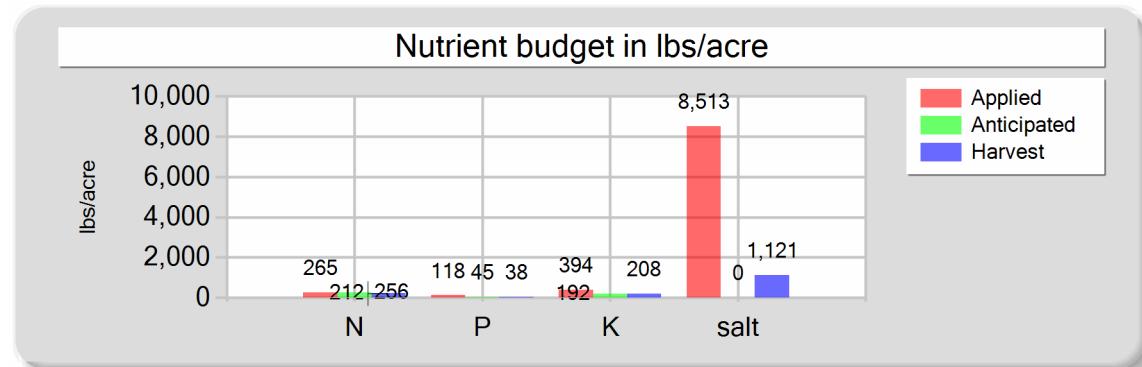
Reporting period 01/01/2023 to 12/31/2023.

#6 - 11/01/2022: Wheat, silage, boot stage

Field name: #6

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	258.13	118.13	393.75	8,495.59
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	17.25
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	265.13	118.13	393.75	8,512.85
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	212.00	38.16	207.76	1,120.77
Nutrient balance	53.13	79.97	185.99	7,392.08
Applied to removed ratio	1.25	3.10	1.90	7.60

Fresh water applied
2,756,800.00 gallons
101.52 acre-inches
6.35 inches/acre

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

Total harvests for the crop
1 harvests

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

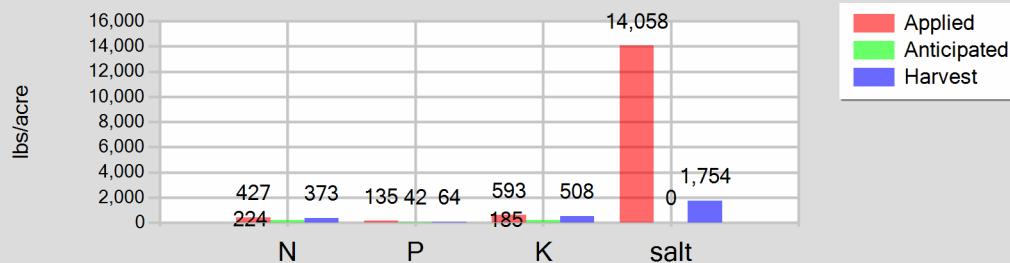
#6 - 06/10/2023: Corn, silage

Field name: #6

Crop: Corn, silage

Plant date: 06/10/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	420.00	135.00	592.50	13,938.67
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	119.08
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	427.00	135.00	592.50	14,057.76
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	373.23	64.21	507.67	1,753.77
Nutrient balance	53.77	70.79	84.83	12,303.98
Applied to removed ratio	1.14	2.10	1.17	8.02

Fresh water applied

19,026,800.00 gallons
700.69 acre-inches
43.79 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

NUTRIENT ANALYSES**A. MANURE ANALYSES****Dry Manure**

Sample and source description: Dry Manure

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

Moisture: 32.7 %

	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	11,200.00	3,600.00	15,800.00	10,100.00	5,800.00	6,300.00	2,800.00	618.09		55.23
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

Dry Manure

Sample and source description: Dry Manure

Sample date: 10/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 29.0 %

	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	11,800.00	5,400.00	18,000.00							54.70
DL	100.00	100.00	100.00							1.00

B. PROCESS WASTEWATER ANALYSES**1st Qtr WW**

Sample and source description: 1st Qtr WW

Sample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.70

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	589.71	99.85	0.00	0.00	53.27	319.84								3,030.00	1,939
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

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2nd Qtr WW

Sample and source description: 2nd Qtr WW

Sample date: 06/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.70

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	169.58	152.01	0.00	0.00	68.75	418.37	6.20	5.60	12.20	40.22	0.00	1.60	5.40	4,170.00	2,668
DL	67.00	0.57	0.01	0.01	0.64	0.01	0.02	0.01	0.01	0.10	0.10	0.02	0.01	1.00	19

3rd Qtr WW

Sample and source description: 3rd Qtr WW

Sample date: 09/13/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.75

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	569.50	219.90	0.00	0.00	37.47	406.60								4,423.00	2,830
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

4th Qtr WW

Sample and source description: 4th Qtr WW

Sample date: 12/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.46

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	339.40	259.04	0.00	0.00	60.08	453.60								5,139.00	3,288
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Barn

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Barn**Barn**

Sample description: Barn

Sample date: 12/13/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (μ mhos/cm)	TDS (mg/L)
Value	0.70										1,130.00	
DL	0.10											1.00

Canal**Canal**

Sample description: Canal

Sample date: 08/17/2023 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 (μ mhos/cm)	TDS (mg/L)
Value	0.00										20.00	
DL	0.10											1.00

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

#1 - 11/01/2022: Wheat, silage, boot stage

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#1 - 11/01/2022: Wheat, silage, boot stage

1

Sample and source description: 1

Sample date: 06/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,400.00	4,700.00	25,700.00		10.35
DL	100.00	100.00	100.00		1.00

#1 - 06/25/2023: Corn, silage

1

Sample and source description: 1

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

Moisture: 58.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,400.00	3,400.00	18,800.00		6.81
DL	100.00	100.00	100.00		1.00

#2 - 11/01/2022: Wheat, silage, boot stage

2

Sample and source description: 2

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,700.00	5,300.00	32,000.00		11.27
DL	100.00	100.00	100.00		1.00

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#2 - 06/10/2023: Corn, silage

2

Sample and source description: 2

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

Moisture: 63.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,500.00	2,100.00	22,400.00		6.89
DL	100.00	100.00	100.00		1.00

#3 - 11/01/2022: Wheat, silage, boot stage

3

Sample and source description: 3

Sample date: 06/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,300.00	3,300.00	24,500.00		11.13
DL	100.00	100.00	100.00		1.00

#3 - 06/25/2023: Corn, silage

3

Sample and source description: 3

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

Moisture: 74.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,200.00	2,500.00	33,200.00		7.54
DL	100.00	100.00	100.00		1.00

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

#4 - 11/01/2022: Wheat, silage, boot stage

4

Sample and source description: 4

Sample date: 06/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,300.00	2,500.00	17,500.00		10.08
DL	100.00	100.00	100.00		1.00

#4 - 06/25/2023: Corn, silage

4

Sample and source description: 4

Sample date: 10/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	21,100.00	3,100.00	22,600.00		8.62
DL	100.00	100.00	100.00		1.00

#6 - 11/01/2022: Wheat, silage, boot stage

6

Sample and source description: 6

Sample date: 05/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 58.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,000.00	2,700.00	14,700.00		7.93
DL	100.00	100.00	100.00		1.00

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

#6 - 06/10/2023: Corn, silage

#6

Sample and source description: #6

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

Moisture: 65.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,600.00	3,200.00	25,300.00		8.74
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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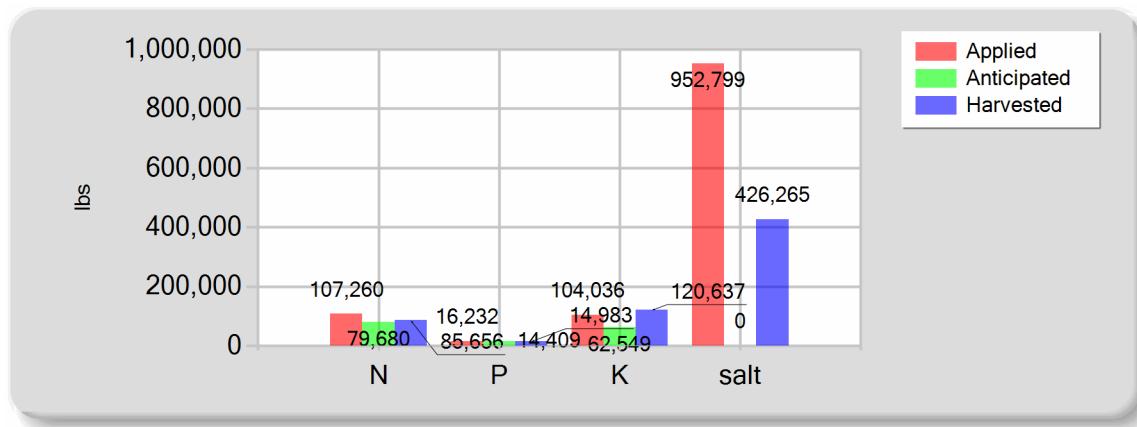
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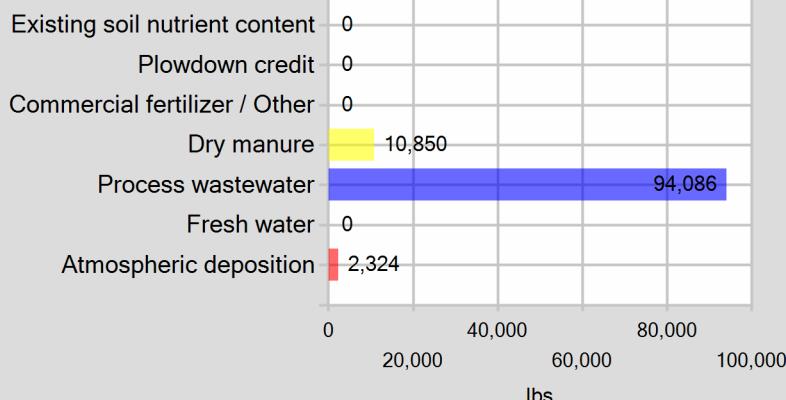
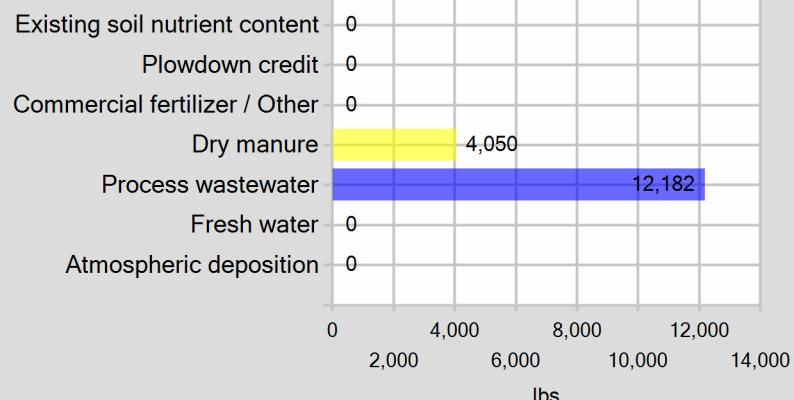
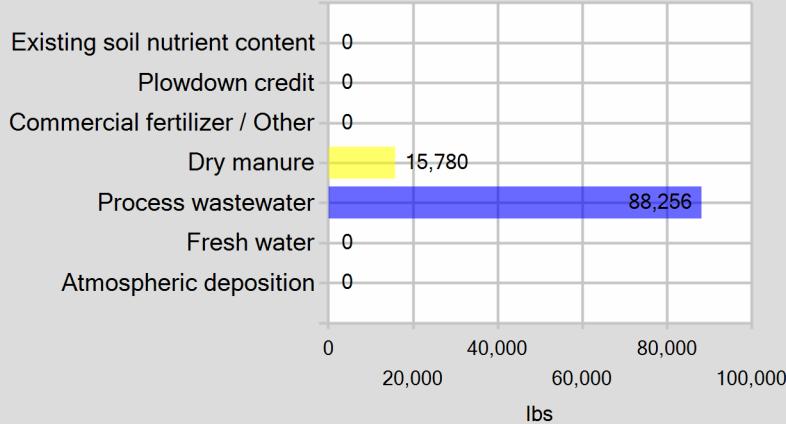
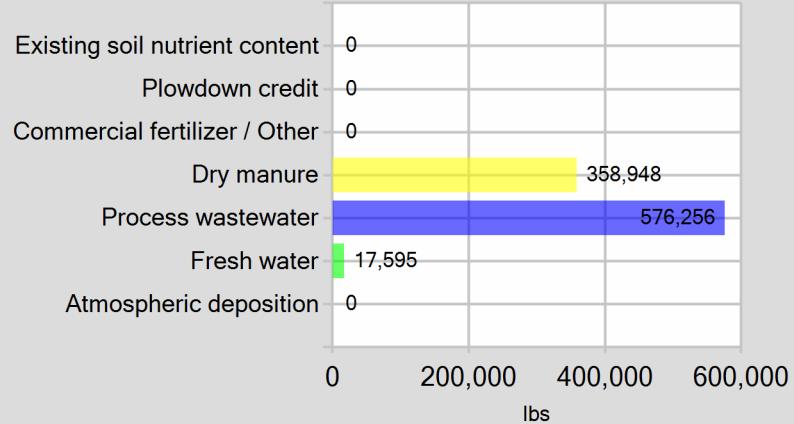
NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	10,850.00	4,050.00	15,780.00	358,948.24
Process wastewater	94,085.97	12,181.73	88,255.72	576,255.77
Fresh water	0.00	0.00	0.00	17,595.46
Atmospheric deposition	2,324.00	0.00	0.00	0.00
Total nutrients applied	107,259.97	16,231.73	104,035.72	952,799.47
Anticipated crop nutrient removal	79,680.00	14,408.80	62,548.80	0.00
Actual crop nutrient removal	85,656.40	14,983.27	120,637.44	426,264.61
Nutrient balance	21,603.57	1,248.46	-16,601.71	526,534.85
Applied to removed ratio	1.25	1.08	0.86	2.24

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**

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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? Yes

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes

B. EXPORT AGREEMENT STATEMENT

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period? No

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

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

ADDITIONAL NOTES

A. NOTES

Wells were all negative for Ammonia which we tested onsite using a test strip .

We had an extremely wet year and had early flood release water and then Canal water thru the whole year so no wells were turned on .

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

Tony Campos

PRINT OR TYPE NAME

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

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.



SIGNATURE OF OWNER OF FACILITY

Tony Campos

PRINT OR TYPE NAME

6/26/2024

DATE



SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

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: Tony CamposName of Dairy Facility: Green Valley Dairy, LLC

Facility Address:

2685 S Madera AVE Number and Street	Kerman City	Fresno County	93630 Zip Code
--	----------------	------------------	-------------------

Contact Person Name and Phone Number:	Tony Campos Name	(559) 864-9488 Phone Number
---------------------------------------	---------------------	--------------------------------

MANURE HAULER INFORMATIONName of Hauling Company/Person: Campos Brothers

Address of Hauling Company/Person:

15516 Walnut AVE Number and Street	Caruthers City	CA State	93609 Zip Code
---------------------------------------	-------------------	-------------	-------------------

Contact Person: Tony Campos Name	(559) 864-9488 Phone Number
-------------------------------------	--------------------------------

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

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

Campos Bros Name	(559) 864-9488 Phone Number
---------------------	--------------------------------

15516 S Walnut Address	Caruthers City	CA State	93609 Zip Code
---------------------------	-------------------	-------------	-------------------

Destination Address or Assessor's Parcel Number:

Address	Caruthers City	93609 Zip Code
---------	-------------------	-------------------

Clarkson Street and nearest cross street (if no address)	Fresno County
---	------------------

Assessor's Parcel Number 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: 3,600.00 tons

Manure Solids Content: 71.0 %

Method used to determine amount of manure:

Weighted Average

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



6/26/2024

Date

Hauler Signature

-self-

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: Tony CamposName of Dairy Facility: Green Valley Dairy, LLC

Facility Address:

2685 S Madera AVE Number and Street	Kerman City	Fresno County	93630 Zip Code
--	----------------	------------------	-------------------

Contact Person Name and Phone Number:	<u>Tony Campos</u> Name	(559) 864-9488 Phone Number
---------------------------------------	----------------------------	--------------------------------

MANURE HAULER INFORMATIONName of Hauling Company/Person: Greg Markarian

Address of Hauling Company/Person:

6772 S Orange AVE Number and Street	Fresno City	CA State	93725 Zip Code
--	----------------	-------------	-------------------

Contact Person:	<u>Greg Markarian</u> Name	(559) 284-4267 Phone Number
-----------------	-------------------------------	--------------------------------

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

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

Greg Markarian Name	(559) 284-4287 Phone Number
------------------------	--------------------------------

6772 S Orange Address	Fresno City	CA State	93725 Zip Code
--------------------------	----------------	-------------	-------------------

Destination Address or Assessor's Parcel Number:

Address	Freswno City	93625 Zip Code
---------	-----------------	-------------------

American Street and nearest cross street (if no address)	Fresno County
---	------------------

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/23/2023

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: 1,200.00 tons

Manure Solids Content: 71.0 %

Method used to determine amount of manure:

Weighted Average

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



6/26/2024
Date

Hauler Signature



6/26/24
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.
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- 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: Tony Campos

Name of Dairy Facility: Green Valley Dairy, LLC

Facility Address:

2685 S Madera AVE Number and Street	Kerman City	Fresno County	93630 Zip Code
--	----------------	------------------	-------------------

Contact Person Name and Phone Number:	<u>Tony Campos</u> Name	(559) 864-9488 Phone Number
---------------------------------------	----------------------------	--------------------------------

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Greg Markarian

Address of Hauling Company/Person:

6772 S Orange AVE Number and Street	Fresno City	CA State	93725 Zip Code
--	----------------	-------------	-------------------

Contact Person:	<u>Greg Markarian</u> Name	(559) 284-4267 Phone Number
-----------------	-------------------------------	--------------------------------

DESTINATION INFORMATION

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

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

Greg Markarian Name	(559) 284-4287 Phone Number
------------------------	--------------------------------

6772 S Orange Address	Fresno City	CA State	93725 Zip Code
--------------------------	----------------	-------------	-------------------

Destination Address or Assessor's Parcel Number:

Address	Madera City	93609 Zip Code
---------	----------------	-------------------

Madera Street and nearest cross street (if no address)	Fresno County
---	------------------

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/22/2023

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: 1,050.00 tons

Manure Solids Content: 71.0 %

Method used to determine amount of manure:

Weighted Average

CERTIFICATION

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Operator Signature



6/26/2024

Date

Hauler Signature



6/26/2024

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.
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- 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: Tony CamposName of Dairy Facility: Green Valley Dairy, LLC

Facility Address:

2685 S Madera AVE Number and Street	Kerman City	Fresno County	93630 Zip Code
--	----------------	------------------	-------------------

Contact Person Name and Phone Number:	<u>Tony Campos</u> Name	(559) 864-9488 Phone Number
---------------------------------------	----------------------------	--------------------------------

MANURE HAULER INFORMATIONName of Hauling Company/Person: Campos Brothers

Address of Hauling Company/Person:

15516 Walnut AVE Number and Street	Caruthers City	CA State	93609 Zip Code
---------------------------------------	-------------------	-------------	-------------------

Contact Person:	<u>Tony Campos</u> Name	(559) 864-9488 Phone Number
-----------------	----------------------------	--------------------------------

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

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

Campos Bros Name	(559) 864-9488 Phone Number
---------------------	--------------------------------

15516 S Walnut Address	Caruthers City	CA State	93609 Zip Code
---------------------------	-------------------	-------------	-------------------

Destination Address or Assessor's Parcel Number:

Address	Madera City	93609 Zip Code
---------	----------------	-------------------

Madera Street and nearest cross street (if no address)	Fresno County
---	------------------

Assessor's Parcel Number Assessor's Parcel Number County Last date hauled: 10/15/2023

**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: 3,000.00 tons

Manure Solids Content: 71.0 %

Method used to determine amount of manure:

Weighted Average

CERTIFICATION

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Operator Signature



6/26/2024

Date

Hauler Signature

-self-

Date



Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 11:20

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0672-01	Barn	Ag Water	Medeiros		12/12/2023 7:00
Default Cooler	Temperature on Receipt °C: 21.6				
Containers Intact					
COC/Labels Agree					
Received On Ice					

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.



Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 11:20

Sample Results

Sample: Barn
23L0672-01 (Water)

Sampled: 12/12/2023 7:00
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	1.13	mmhos/cm	0.01	1		12/13/23 16:11	SM 2510 B		BEL0496
Electrical Conductivity umhos	1130	umhos/cm	10.0	1		12/13/23 16:11	SM 2510 B		BEL0496
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 07:00	Field		BEL0517
Nitrate Nitrogen as NO3N	0.7	mg/L	0.1	1	10	12/14/23 07:44	EPA 300.0		BEL0569
Temperature	25.0	units	0.0	1		12/13/23 16:11	SM 4500-H+	H	BEL0496
pH	7.7	units	1.0	1		12/13/23 16:11	SM 4500-H+	H	BEL0496

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Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 11:20

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0496									
Blank (BEL0496-BLK1)									
Temperature	25.0	0.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	5.7	1.0	units						
Prepared & Analyzed: 12/13/2023									
Blank (BEL0496-BLK2)									
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.7	1.0	units						
Prepared & Analyzed: 12/13/2023									
Blank (BEL0496-BLK3)									
Temperature	25.0	0.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.7	1.0	units						
Prepared & Analyzed: 12/13/2023									
Duplicate (BEL0496-DUP1)									
Source: 23L0678-01									
Electrical Conductivity	0.26	0.01	mmhos/cm		0.26			0.960	10
Electrical Conductivity umhos	262	10.0	umhos/cm		259			0.960	10
pH	9.4	1.0	units		9.4			0.00	10
Prepared & Analyzed: 12/13/2023									
Duplicate (BEL0496-DUP2)									
Source: 23L0687-04									
Electrical Conductivity	0.43	0.01	mmhos/cm		0.42			0.587	10
pH	8.2	1.0	units		8.2			0.00	10
Electrical Conductivity umhos	427	10.0	umhos/cm		425			0.587	10
Prepared & Analyzed: 12/13/2023									
Reference (BEL0496-SRM1)									
Electrical Conductivity	444		umhos/cm		426.0		104	90-110	
Prepared & Analyzed: 12/13/2023									
Reference (BEL0496-SRM2)									
pH	7.5		units		7.520		100	67021-101.3%	
Prepared & Analyzed: 12/13/2023									
Reference (BEL0496-SRM3)									
Electrical Conductivity	1070		umhos/cm		1000		107	90-110	
Electrical Conductivity umhos	1070		umhos/cm		1000		107	90-110	
Prepared & Analyzed: 12/13/2023									
Reference (BEL0496-SRM4)									
Electrical Conductivity	1080		umhos/cm		1000		108	90-110	
Electrical Conductivity umhos	1080		umhos/cm		1000		108	90-110	
Prepared & Analyzed: 12/13/2023									
Reference (BEL0496-SRM5)									
Electrical Conductivity	1090		umhos/cm		1000		109	90-110	

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Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 11:20

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0496 (Continued)									
Reference (BEL0496-SRM5)									
Electrical Conductivity umhos	1090		umhos/cm	1000	109	Prepared & Analyzed: 12/13/2023	90-110		
Reference (BEL0496-SRM6)									
pH	4.0		units	4.000	100	Prepared & Analyzed: 12/13/2023	97.5-102.5		
Reference (BEL0496-SRM7)									
pH	4.0		units	4.000	101	Prepared & Analyzed: 12/13/2023	97.5-102.5		
Reference (BEL0496-SRM8)									
pH	4.0		units	4.000	100	Prepared & Analyzed: 12/13/2023	97.5-102.5		

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Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 11:20

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEL0569									
Blank (BEL0569-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
Blank (BEL0569-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
Blank (BEL0569-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
Blank (BEL0569-BLK4)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 12/14/2023				
LCS (BEL0569-BS1)									
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	99.3	90-110			
LCS (BEL0569-BS2)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	103	90-110			
LCS (BEL0569-BS3)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	98.7	90-110			
Duplicate (BEL0569-DUP1)									
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L	0.06			1.77	10	
Duplicate (BEL0569-DUP2)									
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L	0.06			0.00	10	
Duplicate (BEL0569-DUP3)									
Nitrate Nitrogen as NO3N	0.06	0.1	mg/L	0.05			1.83	10	
Matrix Spike (BEL0569-MS1)									
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000	0.06	98.6	90-110		
Matrix Spike (BEL0569-MS2)									
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.06	94.2	90-110		
Matrix Spike (BEL0569-MS3)									
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.05	94.1	90-110		
Reference (BEL0569-SRM1)									
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00	97.4	90-110			
Reference (BEL0569-SRM2)									
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00	98.4	90-110			

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Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 11:20

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	--------	-----	-----------

Batch: BEL0569 (Continued)

Reference (BEL0569-SRM3) Nitrate Nitrogen as NO ₃ N	9.9	mg/L	10.00	99.0	Prepared & Analyzed: 12/14/2023	90-110			
Reference (BEL0569-SRM4) Nitrate Nitrogen as NO ₃ N	10.0	mg/L	10.00	99.7	Prepared & Analyzed: 12/14/2023	90-110			

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12/13/23 07:00

23L0672

Bill To:	Acct No.	Cons.
	13420	8

Purchase Order No. _____ Results Needed By _____

Purchase Order No.	Results Needed By
--------------------	-------------------

Bill To:	Acct No.	Cons.
	<input type="text" value="13420"/>	<input type="text" value="8"/>
Purchase Order No.	Results Needed By	
Client _____	Green Valley Dairy	
Address _____	2685 S. Madera Ave	
City, State, Zip _____	Kerman CA 93630	
Email _____	ravendairy@gmail.com	

Copy to: mel_tinamedeiros@yahoo.com

Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility: _____

Date sampled _____

Sampled by mendeiros

OA/QC Document

DESCRIPTION OF SAMPLES

DESCRIPTION OF SAMPLES

1. Barn Sampled From:

2. _____ Sampled From:

3. _____ Sampled From:

4. _____ Sampled From:

5. _____ Sampled From:

6. _____ Sampled From:

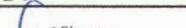
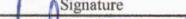
7. _____ Sampled From:

8. _____ Sampled From:

9. _____ Sampled From:

10. _____ Sampled From:

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First				12/12/23 11:32AM
Second		DL	12/12/23 11:32AM	
Third				
Fourth		DL	12/13/23 07:50AM	

If I guarantee that as the client, or on behalf of the client named, I have the authority to contract about 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 attorney's fees. It is understood that payment is expected to be made with cash with the exception of retainers.

If payment is not made within 30 days of the date of this contract concerning the product or services of Delvalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (PAL). If the dispute is not resolved in mediation, then the dispute shall be submitted to binding arbitration through our PAL Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of

<i>Invoicing Information:</i>	<i>Shipping</i>
Medeiros Pricing 2023	\$ _____ In
Sampling Hrs _____ Miles _____ Consulting _____	\$ _____ Out
Amt Paid _____ Rec By _____	Check No. _____ Date _____

Sample received in cooler with ice?

[1] Yac [1] No

[] 100 [] 100

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Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" 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 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	7	8	9	10
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									
	* pH Value									
	500 mL unpreserved (White) Plastic									
	1 L unpreserved (White) Plastic									
Special	1 L unpreserved (BOD) (Purple) Plastic									
	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									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO ₃ (Red)									
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)									
	1 L AG H ₂ SO ₄ (Yellow)									
Special	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:										



Green Valley Dairy LLC
2685 S Madera Avenue
Kerman, CA 93630

Account# 00-0013420
Account Manager: Ben Nydam
Submitted By: Christian Duran

Received: 08/17/2023 8:41
Reported: 08/23/2023 14:35

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1585-01	Canal	Ag Water			08/16/2023 15:30
Default Cooler	Temperature on Receipt °C: 0.1				
Containers Intact					
COC/Labels Agree					
Received On Ice					

Notes and Definitions

Item	Definition
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Kerman, CA 93630

Account# 00-0013420
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Received: 08/17/2023 8:41
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Sample Results

Sample: Canal
23H1585-01 (Water)

Sampled: 8/16/2023 15:30

Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/18/23 17:22	SM 2510 B		BEH0918
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	08/18/23 00:52	EPA 300.0		BEH0886

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Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0886									
Blank (BEH0886-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0886-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0886-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 8/17/2023 Analyzed: 8/18/2023				
LCS (BEH0886-BS1)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	97.8	90-110			
LCS (BEH0886-BS2)									
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000	98.4	90-110			
Duplicate (BEH0886-DUP1)									
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L	0.2			0.475	10	
Duplicate (BEH0886-DUP2)									
Nitrate Nitrogen as NO3N	5.8	0.1	mg/L	5.8			0.172	10	
Matrix Spike (BEH0886-MS1)									
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	0.2	99.6	90-110		
Matrix Spike (BEH0886-MS2)									
Nitrate Nitrogen as NO3N	10.8	0.1	mg/L	5.000	5.8	98.9	90-110		
Reference (BEH0886-SRM1)									
Nitrate Nitrogen as NO3N	9.9		mg/L	10.00		98.8	90-110		
Reference (BEH0886-SRM2)									
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		
Reference (BEH0886-SRM3)									
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0918									
Blank (BEH0918-BLK1)									
Electrical Conductivity	ND		0.01	mmhos/cm	Prepared: 8/17/2023 Analyzed: 8/18/2023				
Blank (BEH0918-BLK2)									
Electrical Conductivity	ND		0.01	mmhos/cm	Prepared: 8/17/2023 Analyzed: 8/18/2023				
Blank (BEH0918-BLK3)									
Electrical Conductivity	ND		0.01	mmhos/cm	Prepared: 8/17/2023 Analyzed: 8/18/2023				
Duplicate (BEH0918-DUP1)									
Electrical Conductivity	0.02		0.01	mmhos/cm	Source: 23H1497-03	Prepared: 8/17/2023 Analyzed: 8/18/2023	0.02	9.30	10
Duplicate (BEH0918-DUP2)									
Electrical Conductivity	0.02		0.01	mmhos/cm	Source: 23H1590-01	Prepared: 8/17/2023 Analyzed: 8/18/2023	0.02	0.00	10
Reference (BEH0918-SRM1)									
Electrical Conductivity	511			umhos/cm	538.0	Prepared: 8/17/2023 Analyzed: 8/18/2023	94.9	90-110	
Reference (BEH0918-SRM3)									
Electrical Conductivity	956			umhos/cm	1000	Prepared: 8/17/2023 Analyzed: 8/18/2023	95.6	90-110	
Reference (BEH0918-SRM4)									
Electrical Conductivity	956			umhos/cm	1000	Prepared: 8/17/2023 Analyzed: 8/18/2023	95.6	90-110	
Reference (BEH0918-SRM5)									
Electrical Conductivity	971			umhos/cm	1000	Prepared: 8/17/2023 Analyzed: 8/18/2023	97.1	90-110	

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23H1585

08/17/23 08:41

PLV

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Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										250 mL AG unpreserved (White)										250 mL AG H ₂ SO ₄ (Yellow)										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)										1 L AG H ₂ SO ₄ (Yellow)										1 L AG Na ₂ S ₂ O ₃ (Green)										Special	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:									
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Glass	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										250 mL AG unpreserved (White)										250 mL AG H ₂ SO ₄ (Yellow)										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)										Special	1 L AG unpreserved (White)										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:									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)																																																																																																																																																																																														
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