

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:** Joe R Garcia Dairy AKA Netto Enterprise

Physical address of dairy:

20677 S East AVE

Number and Street

Laton

City

Fresno

County

93242

Zip Code

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

Date facility was originally placed in operation: 01/01/1960Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0055-0038-0010-00000055-0038-0055-0000**B. OPERATORS**

Garcia, Mary

Operator name: Garcia, MaryTelephone no.: (559) 923-4334

Landline

Cellular

20677 S East AVE

Mailing Address Number and Street

Laton

City

CA

State

93242

Zip Code

Netto, James

Operator name: Netto, JamesTelephone no.: (559) 585-2097

Landline

Cellular

10044 Flint Ave

Mailing Address Number and Street

Hanford

City

CA

State

93230

Zip Code

This operator is responsible for paying permit fees.**C. OWNERS**

Garcia, Mary

Legal owner name: Garcia, MaryTelephone no.: (559) 923-4334

Landline

Cellular

20677 S East AVE

Mailing Address Number and Street

Laton

City

CA

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93242

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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	1,030	100	0	0	0	0
Number under roof	0	0	0	0	0	0
Maximum number	1,030	100	0	0	0	0
Average number	1,030	100	0	0	0	0
Avg live weight (lbs)	1,200	1,300	0	0		

Predominant milk cow breed: Holstein

Average milk production: 69 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 27,700.25 tons per reporting period

Total nitrogen from manure: 362,111.01 lbs per reporting period After ammonia losses (30% loss applied): 253,477.71 lbs per reporting period

Total phosphorus from manure: 60,599.56 lbs per reporting period

Total potassium from manure: 196,577.79 lbs per reporting period

Total salt from manure: 507,970.50 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 27,735,000 gallons

Total nitrogen generated: 66,809.10 lbs

Total phosphorus generated: 15,787.80 lbs

Total potassium generated: 77,615.25 lbs

Total salt generated: 565,498.79 lbs

<p align="center">44,665,000 gallons applied</p> <p align="center">+ 0 gallons exported</p> <p align="center">- 16,930,000 gallons imported</p> <p align="center">= 27,735,000 gallons generated</p>

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.*

Date	Material type / Description	Quantity	N (mg/L)	P (mg/L)	K (mg/L)	Salt (mg/L)	TDS (mg/L)
02/15/2023	Process wastewater AJS 1st QTR WW	5,288,000.00 gal	299.67	41.91	252.98		1,402
05/25/2023	Process wastewater AJS 2nd QTR WW	6,242,000.00 gal	379.40	67.50	307.70		2,425
07/25/2023	Process wastewater AJS 3rd QTR WW	5,400,000.00 gal	414.30	31.90	120.82		3,581

No commercial or other nutrient imports entered.

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	51,656.30	6,802.97	32,636.04	349,555.58
Total imports for all materials	51,656.30	6,802.97	32,636.04	349,555.58

G. NUTRIENT EXPORTS*No solid nutrient exports entered.**No liquid nutrient exports entered.*

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Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
1G-1	17	17	2	process wastewater	X055-X390-X009-XXXX
1G-2	18	18	2	process wastewater	X055-X380-X004-XXXX
1G-3	3	3	2	process wastewater	X055-X380-X006-XXXX
1G-4	35	35	2	process wastewater	X055-X380-X005-XXXX
1G-5	35	35	2	process wastewater	X055-X380-X008-XXXX
1G-6	55	55	2	process wastewater	X055-X380-X002-XXXX
2G-1	55	55	2	none	X055-X310-X022-XXXX
2G-2	40	40	2	none	X055-X310-X022-XXXX
2G-3	20	20	2	none	X055-X310-X022-XXXX
3G-1	73	73	2	manure	X055-X220-X053-XXXX
3G-2	72	72	0	none	X055-X220-X053-XXXX
4G-1	72	72	2	manure	X055-X350-X019-XXXX
5G-1	105	105	2	manure	X055-X071-X008-XXXX X055-X091-X054-XXXX X055-X091-X070-XXXX
6G-1	20	20	0	none	X002-X230-X040-XXXX
Totals for areas that were used for application	413	413	18		
Totals for areas that were not used for application	207	207	6		
Land application area totals	620	620	24		

B. CROPS AND HARVESTS

1G-1
Field name: <u>1G-1</u>

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1G-1

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

Crop: Wheat, silage, boot stage Acres planted: 17 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 (%)
05/02/2023	334.17 ton	Dry-weight		62.9	29,300.00	4,900.00	25,900.00		9.76

	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	19.66	427.36	71.47	377.77	1,423.55

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 17 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	414.80 ton	Dry-weight		65.9	16,700.00	2,700.00	18,800.00		5.24

	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	24.40	277.90	44.93	312.85	871.98

1G-2

Field name: 1G-2

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

Crop: Wheat, silage, boot stage Acres planted: 18 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 (%)
05/02/2023	254.24 ton	Dry-weight		66.4	27,800.00	4,100.00	20,900.00		9.80

	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	14.12	263.87	38.92	198.37	930.18

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1G-2

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 18 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	551.21 ton	Dry-weight		69.9	17,700.00	2,500.00	16,400.00		5.30

	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	30.62	326.30	46.09	302.33	977.05

1G-3

Field name: 1G-3

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

Crop: Wheat, silage, boot stage Acres planted: 3 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 (%)
05/02/2023	97.40 ton	Dry-weight		61.0	19,400.00	3,100.00	17,500.00		7.48

	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	32.47	491.29	78.50	443.17	1,894.24

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 3 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	94.00 ton	Dry-weight		69.9	17,700.00	2,500.00	16,400.00		5.30

	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	31.33	333.87	47.16	309.35	999.72

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1G-4

Field name: 1G-4

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

Crop: Wheat, silage, boot stage Acres planted: 35 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 (%)
05/02/2023	592.80 ton	Dry-weight		58.8	14,000.00	4,200.00	22,000.00		8.15

	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	16.94	195.39	58.62	307.04	1,137.43

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	995.10 ton	Dry-weight		73.5	19,100.00	3,100.00	20,100.00		6.71

	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	28.43	287.81	46.71	302.88	1,011.11

1G-5

Field name: 1G-5

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

Crop: Wheat, silage, boot stage Acres planted: 35 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 (%)
05/02/2023	616.50 ton	Dry-weight		59.4	17,900.00	2,800.00	16,600.00		7.09

	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	17.61	256.02	40.05	237.43	1,014.07

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1G-5

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	1,033.40 ton	Dry-weight		72.6	22,800.00	2,900.00	19,400.00		6.49

	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	29.53	368.91	46.92	313.89	1,050.09

1G-6

Field name: 1G-6

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

Crop: Wheat, silage, boot stage Acres planted: 55 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 (%)
05/02/2023	1,001.42 ton	Dry-weight		64.4	20,500.00	3,200.00	21,700.00		6.19

	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	18.21	265.76	41.48	281.32	802.46

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 55 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	1,651.80 ton	Dry-weight		75.2	19,400.00	3,100.00	24,600.00		8.25

	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	30.03	288.99	46.18	366.45	1,228.94

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2G-1

Field name: 2G-1

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

Crop: Wheat, silage, boot stage Acres planted: 55 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 (%)
05/16/2023	742.05 <i>ton</i>	Dry-weight		55.6	19,900.00	3,400.00	20,800.00		9.22

	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	13.49	238.42	40.73	249.20	1,104.62

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 55 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	1,605.00 <i>ton</i>	Dry-weight		70.5	17,600.00	3,200.00	18,600.00		6.95

	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	29.18	303.02	55.10	320.24	1,196.60

2G-2

Field name: 2G-2

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

Crop: Wheat, silage, boot stage Acres planted: 40 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 (%)
05/16/2023	739.05 <i>ton</i>	Dry-weight		61.9	17,600.00	3,500.00	21,000.00		12.40

	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	18.48	247.79	49.28	295.66	1,745.78

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2G-2

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 40 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	1,189.50 ton	Dry-weight		70.1	18,500.00	3,200.00	18,600.00		7.85

	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	29.74	328.99	56.91	330.76	1,395.97

2G-3

Field name: 2G-3

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

Crop: Wheat, silage, boot stage Acres planted: 20 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 (%)
05/16/2023	296.40 ton	Dry-weight		66.8	25,900.00	4,400.00	26,400.00		11.44

	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	14.82	254.87	43.30	259.79	1,125.75

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 20 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	566.30 ton	Dry-weight		68.9	18,200.00	2,800.00	22,900.00		7.42

	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	28.32	320.54	49.31	403.31	1,306.81

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3G-1

Field name: 3G-1

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

Crop: Wheat, silage, boot stage

Acres planted: 73 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 (%)
05/16/2023	1,135.50 ton	Dry-weight		59.7	15,500.00	3,000.00	20,400.00		9.34

	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	15.55	194.33	37.61	255.76	1,170.97

06/01/2023: Corn, silage

Crop: Corn, silage

Acres planted: 73 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	2,089.00 ton	Dry-weight		67.1	17,700.00	2,900.00	19,700.00		6.61

	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	28.62	333.28	54.61	370.94	1,244.64

4G-1

Field name: 4G-1

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

Crop: Wheat, silage, boot stage

Acres planted: 72 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 (%)
05/16/2023	1,205.70 ton	Dry-weight		64.3	12,500.00	2,500.00	15,100.00		7.63

	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	16.75	149.46	29.89	180.54	912.28

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4G-1

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 72 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	2,077.90 ton	Dry-weight		73.2	16,700.00	3,000.00	19,900.00		5.95

	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	28.86	258.33	46.41	307.83	920.39

5G-1

Field name: 5G-1

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

Crop: Wheat, silage, boot stage Acres planted: 105 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 (%)
05/02/2023	1,631.30 ton	Dry-weight		61.9	18,400.00	3,100.00	19,100.00		7.63

	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	15.54	217.83	36.70	226.12	903.28

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 105 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	3,025.60 ton	Dry-weight		67.7	16,600.00	2,800.00	19,300.00		5.10

	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	28.82	309.00	52.12	359.26	949.35

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NUTRIENT BUDGET

A. LAND APPLICATIONS

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

Field name: 1G-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		
12/18/2022	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
WW	Process wastewater	131.34	10.54	58.44	613.36	525,000.00 <i>gal</i>
Application event totals		131.34	10.54	58.44	613.36	
01/16/2023	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	7.17	1,218,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	7.17	
02/15/2023	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
WW	Process wastewater	206.39	16.56	91.84	963.85	825,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.17	1,218,000.00 <i>gal</i>
Application event totals		206.39	16.56	91.84	971.02	
03/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	206.39	16.56	91.84	963.85	825,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.17	1,218,000.00 <i>gal</i>
Application event totals		206.39	16.56	91.84	971.02	

1G-1 - 06/01/2023: Corn, silage

Field name: 1G-1

Crop: Corn, silage

Plant date: 06/01/2023

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1G-1 - 06/01/2023: Corn, silage

Application date		Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/28/2023		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	19.20	3,259,000.00 <i>gal</i>	
Application event totals				0.00	0.00	0.00	19.20		
07/08/2023		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	
WW		Process wastewater		64.55	18.98	86.67	657.14	550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	19.20	3,259,000.00 <i>gal</i>	
Application event totals				64.55	18.98	86.67	676.34		
07/18/2023		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		64.55	18.98	86.67	657.14	550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	19.20	3,259,000.00 <i>gal</i>	
Application event totals				64.55	18.98	86.67	676.34		
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	
WW		Process wastewater		64.55	18.98	86.67	657.14	550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	19.20	3,259,000.00 <i>gal</i>	
Application event totals				64.55	18.98	86.67	676.34		
08/08/2023		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	
WW		Process wastewater		64.55	18.98	86.67	657.14	550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	19.20	3,259,000.00 <i>gal</i>	
Application event totals				64.55	18.98	86.67	676.34		

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1G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
08/18/2023	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	64.55	18.98	86.67	657.14	550,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	19.20	3,259,000.00 <i>gal</i>
Application event totals			64.55	18.98	86.67	676.34	

1G-2 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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
01/06/2023	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	76.79	6.16	34.17	358.60	325,000.00 <i>gal</i>
Application event totals			76.79	6.16	34.17	358.60	
02/14/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	11.10	1,995,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	11.10	
03/16/2023	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
WW		Process wastewater	124.04	9.95	55.20	579.28	525,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	6.10	1,095,588.00 <i>gal</i>
Application event totals			124.04	9.95	55.20	585.38	

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1G-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)	Amount
WW	Process wastewater	124.04	9.95	55.20	579.28	525,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	6.10	1,095,588.00 <i>gal</i>
Application event totals		124.04	9.95	55.20	585.38	

1G-2 - 06/01/2023: Corn, silage

Field name: 1G-2

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/25/2023	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	13.33	2,395,588.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.33	
07/05/2023	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	113.07	33.24	151.80	1,151.00	1,020,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.33	2,395,588.00 <i>gal</i>
Application event totals		113.07	33.24	151.80	1,164.33	
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	13.33	2,395,588.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.33	

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1G-2 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/25/2023	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	113.07	33.24	151.80	1,151.00	1,020,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.33	2,395,588.00 <i>gal</i>
Application event totals		113.07	33.24	151.80	1,164.33	
08/05/2023	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
W	Process wastewater	113.07	33.24	151.80	1,151.00	1,020,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.33	2,395,588.00 <i>gal</i>
Application event totals		113.07	33.24	151.80	1,164.33	
08/15/2023	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
WW	Process wastewater	80.25	13.43	208.93	1,918.01	1,020,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.33	2,395,588.00 <i>gal</i>
Application event totals		80.25	13.43	208.93	1,931.34	
08/25/2023	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	13.33	2,395,588.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.33	

1G-3 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-3

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
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1G-3 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
01/04/2023	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	141.76	11.37	63.08	662.04	100,000.00 <i>gal</i>
Application event totals			141.76	11.37	63.08	662.04	
02/10/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	141.76	11.37	63.08	662.04	100,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	4.17	125,000.00 <i>gal</i>
Application event totals			141.76	11.37	63.08	666.21	
03/12/2023	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	141.76	11.37	63.08	662.04	100,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	4.17	125,000.00 <i>gal</i>
Application event totals			141.76	11.37	63.08	666.21	
04/12/2023	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	141.76	11.37	63.08	662.04	100,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	4.17	125,000.00 <i>gal</i>
Application event totals			141.76	11.37	63.08	666.21	

1G-3 - 06/01/2023: Corn, silage

Field name: 1G-3

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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1G-3 - 06/01/2023: Corn, silage

Application date		Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/25/2023		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	10.85	325,000.00 <i>gal</i>	
Application event totals				0.00	0.00	0.00	10.85		
07/05/2023		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		66.51	19.56	89.29	677.06	100,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	10.85	325,000.00 <i>gal</i>	
Application event totals				66.51	19.56	89.29	687.91		
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	
WW		Process wastewater		66.51	19.56	89.29	677.06	100,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	10.85	325,000.00 <i>gal</i>	
Application event totals				66.51	19.56	89.29	687.91		
07/25/2023		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		66.51	19.56	89.29	677.06	100,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	10.85	325,000.00 <i>gal</i>	
Application event totals				66.51	19.56	89.29	687.91		
08/05/2023		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		66.51	19.56	89.29	677.06	100,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	10.85	325,000.00 <i>gal</i>	
Application event totals				66.51	19.56	89.29	687.91		

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1G-3 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/15/2023	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
WW	Process wastewater	66.51	19.56	89.29	677.06	100,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.85	325,000.00 <i>gal</i>
Application event totals		66.51	19.56	89.29	687.91	
08/25/2023	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	66.51	19.56	89.29	677.06	100,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.85	325,000.00 <i>gal</i>
Application event totals		66.51	19.56	89.29	687.91	

1G-4 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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		
01/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	63.19	5.07	28.12	295.08	520,000.00 <i>gal</i>
Application event totals		63.19	5.07	28.12	295.08	
02/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	63.19	5.07	28.12	295.08	520,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.20	2,518,112.00 <i>gal</i>
Application event totals		63.19	5.07	28.12	302.28	

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1G-4 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/12/2023	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	63.19	5.07	28.12	295.08	520,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.20	2,518,112.00 <i>gal</i>
Application event totals		63.19	5.07	28.12	302.28	
04/11/2023	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	63.19	5.07	28.12	295.08	520,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.20	2,518,112.00 <i>gal</i>
Application event totals		63.19	5.07	28.12	302.28	

1G-4 - 06/01/2023: Corn, silage

Field name: 1G-4

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/02/2023	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
Canal	Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.36	
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)	Amount
WW	Process wastewater	76.39	22.46	102.56	777.65	1,340,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>
Application event totals		76.39	22.46	102.56	792.01	

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1G-4 - 06/01/2023: 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	76.39	22.46	102.56	777.65	1,340,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals			76.39	22.46	102.56	792.01		
08/02/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
WW		Process wastewater	76.39	22.46	102.56	777.65	1,340,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals			76.39	22.46	102.56	792.01		
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	
WW		Process wastewater	76.39	22.46	102.56	777.65	1,340,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals			76.39	22.46	102.56	792.01		
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	76.39	22.46	102.56	777.65	1,340,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals			76.39	22.46	102.56	792.01		

1G-5 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-5

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

1G-5 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/29/2022	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
WW	Process wastewater	87.49	7.02	38.93	408.57	720,000.00 <i>gal</i>
Application event totals		87.49	7.02	38.93	408.57	
01/15/2023	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
WW	Process wastewater	87.49	7.02	38.93	408.57	720,000.00 <i>gal</i>
Application event totals		87.49	7.02	38.93	408.57	
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
WW	Process wastewater	87.49	7.02	38.93	408.57	720,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	11.50	4,018,112.00 <i>gal</i>
Application event totals		87.49	7.02	38.93	420.07	
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
WW	Process wastewater	87.49	7.02	38.93	408.57	720,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	11.50	4,018,112.00 <i>gal</i>
Application event totals		87.49	7.02	38.93	420.07	

1G-5 - 06/01/2023: Corn, silage

Field name: 1G-5

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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1G-5 - 06/01/2023: Corn, silage

Application date		Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/28/2023		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	14.36	5,018,112.00 <i>gal</i>	
Application event totals				0.00	0.00	0.00	14.36		
07/08/2023		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	
WW		Process wastewater		88.36	25.98	118.63	899.52	1,550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals				88.36	25.98	118.63	913.88		
07/18/2023		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		88.36	25.98	118.63	899.52	1,550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals				88.36	25.98	118.63	913.88		
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	
WW		Process wastewater		88.36	25.98	118.63	899.52	1,550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals				88.36	25.98	118.63	913.88		
08/08/2023		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	
WW		Process wastewater		88.36	25.98	118.63	899.52	1,550,000.00 <i>gal</i>	
Canal		Surface water		0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>	
Application event totals				88.36	25.98	118.63	913.88		

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1G-5 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/18/2023	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	88.36	25.98	118.63	899.52	1,550,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.36	5,018,112.00 <i>gal</i>
Application event totals		88.36	25.98	118.63	913.88	

1G-6 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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	
12/30/2022	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	
WW		Process wastewater	81.19	6.51	36.13	379.17	1,050,000.00 <i>gal</i>	
Application event totals			81.19	6.51	36.13	379.17		
01/24/2023	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	9.38	5,151,176.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.38		
02/22/2023	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	127.59	10.23	56.77	595.83	1,650,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	9.38	5,151,176.00 <i>gal</i>	
Application event totals			127.59	10.23	56.77	605.21		

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

1G-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
WW	Process wastewater	127.59	10.23	56.77	595.83	1,650,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.38	5,151,176.00 <i>gal</i>
Application event totals		127.59	10.23	56.77	605.21	

1G-6 - 06/01/2023: Corn, silage

Field name: 1G-6

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.84	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	69.11	20.32	92.78	703.52	1,905,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>
Application event totals		69.11	20.32	92.78	718.37	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	69.11	20.32	92.78	703.52	1,905,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>
Application event totals		69.11	20.32	92.78	718.37	

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

1G-6 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
07/30/2023	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	69.11	20.32	92.78	703.52	1,905,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>	
Application event totals			69.11	20.32	92.78	718.37		
08/10/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
WW		Process wastewater	69.11	20.32	92.78	703.52	1,905,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>	
Application event totals			69.11	20.32	92.78	718.37		
08/20/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
WW		Process wastewater	69.11	20.32	92.78	703.52	1,905,000.00 <i>gal</i>	
Canal		Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>	
Application event totals			69.11	20.32	92.78	718.37		
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	
Canal		Surface water	0.00	0.00	0.00	14.84	8,151,176.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	14.84		

2G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 2G-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
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2G-1 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
01/12/2023	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	9.28	5,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.28		
02/14/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Canal		Surface water	0.00	0.00	0.00	9.28	5,095,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.28		
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	9.28	5,095,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.28		

2G-1 - 06/01/2023: Corn, silage

Field name: 2G-1

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
07/03/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	
07/13/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	

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2G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
07/23/2023	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	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	
08/03/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	
08/13/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	
08/23/2023	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	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	
09/03/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.92	7,095,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.92	

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

Field name: 2G-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
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2G-2 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
01/16/2023	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	10.25	4,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	10.25		
02/14/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Canal		Surface water	0.00	0.00	0.00	10.25	4,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	10.25		
03/16/2023	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	10.25	4,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	10.25		

2G-2 - 06/01/2023: Corn, silage

Field name: 2G-2

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/28/2023	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	12.76	5,095,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.76	
07/08/2023	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	12.76	5,095,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.76	

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2G-2 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
07/18/2023	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	12.76	5,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	12.76		
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	12.76	5,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	12.76		
08/08/2023	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	12.76	5,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	12.76		
08/18/2023	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	12.76	5,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	12.76		
08/28/2023	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	12.76	5,095,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	12.76		

2G-3 - 11/01/2022: Wheat, silage, boot stage

Field name: 2G-3

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
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2G-3 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
01/22/2023	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	7.99	1,595,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	7.99		
02/18/2023	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	7.99	1,595,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	7.99		
03/16/2023	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	7.99	1,595,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	7.99		

2G-3 - 06/01/2023: Corn, silage

Field name: 2G-3

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/29/2023	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	15.32	3,059,599.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	15.32	
07/09/2023	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	15.32	3,059,588.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	15.32	

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2G-3 - 06/01/2023: Corn, silage

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	15.32	3,059,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	15.32		
07/29/2023	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	15.32	3,059,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	15.32		
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	15.32	3,059,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	15.32		
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	
Canal		Surface water	0.00	0.00	0.00	15.32	3,059,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	15.32		
08/29/2023	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	15.32	3,059,588.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	15.32		

3G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 3G-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
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3G-1 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
10/10/2022	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	246.85	144.38	675.34	12,387.41	850.00 <i>ton</i>	
Application event totals			246.85	144.38	675.34	12,387.41		
01/16/2023	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	9.41	6,857,323.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.41		
02/20/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Canal		Surface water	0.00	0.00	0.00	9.41	6,857,323.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.41		
03/16/2023	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	9.41	6,857,323.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	9.41		

3G-1 - 06/01/2023: Corn, silage

Field name: 3G-1

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
05/10/2023	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	434.79	220.55	787.67	20,032.56	1,150.00 <i>ton</i>
Application event totals			434.79	220.55	787.67	20,032.56	

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3G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/26/2023	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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	
07/06/2023	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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	
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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	

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3G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	13.52	9,857,323.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.52	

4G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 4G-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		
10/10/2022	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	191.39	111.94	523.61	9,604.29	650.00 <i>ton</i>		
Application event totals			191.39	111.94	523.61	9,604.29			
02/16/2023	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	10.21	7,338,552.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	10.21			
03/17/2023	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	10.21	7,338,552.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	10.21			

4G-1 - 06/01/2023: Corn, silage

Field name: 4G-1

Crop: Corn, silage Plant date: 06/01/2023

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4G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
05/15/2023	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	306.67	155.56	555.56	14,129.24	800.00 <i>ton</i>	
Application event totals		306.67	155.56	555.56	14,129.24		
06/29/2023	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	14.38	10,338,552.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	14.38		
07/09/2023	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	14.38	10,338,552.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	14.38		
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	14.38	10,338,552.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	14.38		
07/29/2023	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	14.38	10,338,552.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	14.38		
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	14.38	10,338,552.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	14.38		

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4G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
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
Canal	Surface water	0.00	0.00	0.00	14.38	10,338,552.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.38	
08/29/2023	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	14.38	10,338,552.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.38	
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	14.38	10,338,552.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.38	

5G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 5G-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
10/10/2022	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	262.86	133.33	476.19	12,110.78	1,000.00 <i>ton</i>
Application event totals			262.86	133.33	476.19	12,110.78	
02/06/2023	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	9.86	10,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	9.86	

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5G-1 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following		
03/08/2023	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	9.86	10,338,552.00 <i>gal</i>
Application event totals					0.00	0.00	0.00	9.86	
04/02/2023	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
Canal			Surface water		0.00	0.00	0.00	9.86	10,338,552.00 <i>gal</i>
Application event totals					0.00	0.00	0.00	9.86	

5G-1 - 06/01/2023: Corn, silage

Field name: 5G-1

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
05/15/2023	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	368.00	186.67	666.67	16,955.09	1,400.00 <i>ton</i>
Application event totals				368.00	186.67	666.67	16,955.09	
06/26/2023	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	12.72	13,338,552.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	12.72	
07/06/2023	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	12.72	13,338,552.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	12.72	

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5G-1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following
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	12.72	13,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.72	
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	12.72	13,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.72	
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	12.72	13,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.72	
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	12.72	13,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.72	
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	12.72	13,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.72	
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	12.72	13,338,552.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.72	

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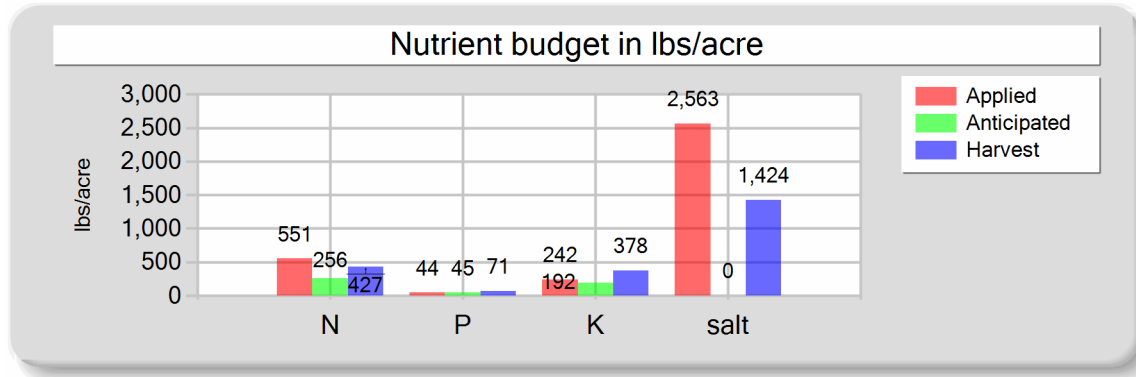
B. NUTRIENT BUDGET

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

Field name: 1G-1

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	3,654,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	134.56 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	7.92 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	544.13	43.65	242.13	2,541.05	Process wastewater applied
Fresh water	0.00	0.00	0.00	21.52	2,175,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	80.10 acre-inches
Total nutrients applied	551.13	43.65	242.13	2,562.58	4.71 inches/acre
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	427.36	71.47	377.77	1,423.55	Total harvests for the crop
Nutrient balance	123.77	-27.82	-135.64	1,139.03	1 harvests
Applied to removed ratio	1.29	0.61	0.64	1.80	

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

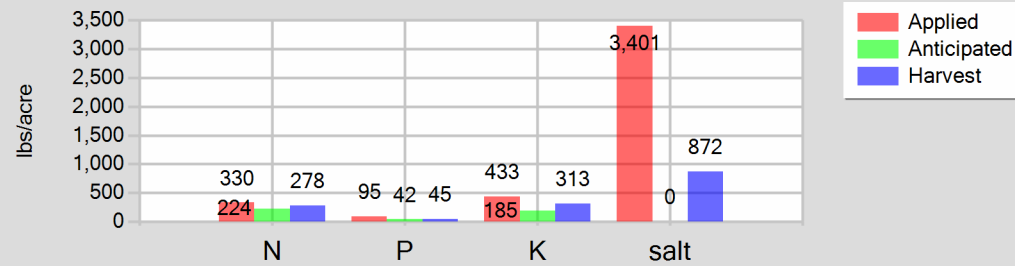
1G-1 - 06/01/2023: Corn, silage

Field name: 1G-1

Crop: Corn, silage

Plant date: 06/01/2023

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	322.77	94.90	433.34	3,285.72
Fresh water	0.00	0.00	0.00	115.18
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	329.77	94.90	433.34	3,400.91
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	277.90	44.93	312.85	871.98
Nutrient balance	51.87	49.97	120.49	2,528.93
Applied to removed ratio	1.19	2.11	1.39	3.90

Fresh water applied
19,554,000.00 gallons
720.11 acre-inches
42.36 inches/acre

Process wastewater applied
2,750,000.00 gallons
101.27 acre-inches
5.96 inches/acre

Total harvests for the crop
1 harvests

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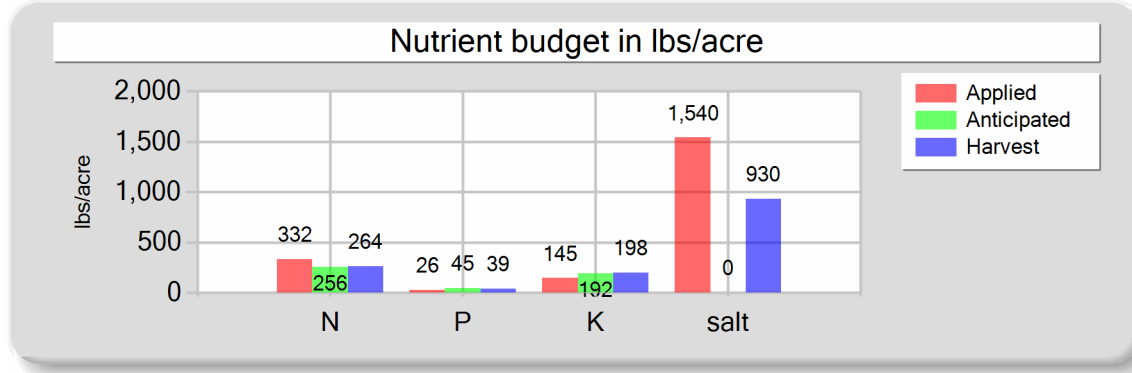
Reporting period 01/01/2023 to 12/31/2023.

1G-2 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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)
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	324.88	26.06	144.56	1,517.17
Fresh water	0.00	0.00	0.00	23.29
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	331.88	26.06	144.56	1,540.46
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	263.87	38.92	198.37	930.18
Nutrient balance	68.01	-12.86	-53.81	610.28
Applied to removed ratio	1.26	0.67	0.73	1.66

Fresh water applied
4,186,764.00 gallons
154.18 acre-inches
8.57 inches/acre

Process wastewater applied
1,375,000.00 gallons
50.64 acre-inches
2.81 inches/acre

Total harvests for the crop
1 harvests

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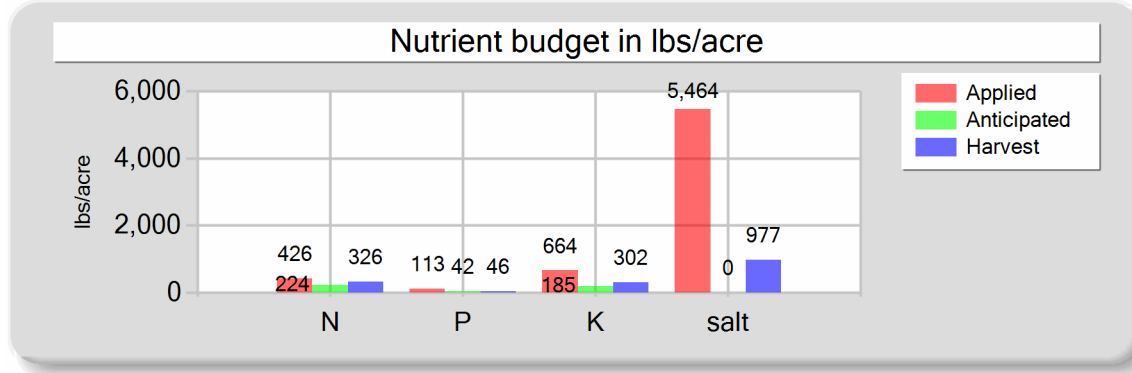
Reporting period 01/01/2023 to 12/31/2023.

1G-2 - 06/01/2023: Corn, silage

Field name: 1G-2

Crop: Corn, silage

Plant date: 06/01/2023



	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	16,769,116.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	617.55 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	34.31 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	419.45	113.16	664.33	5,371.01	
Fresh water	0.00	0.00	0.00	93.29	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	426.45	113.16	664.33	5,464.30	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	326.30	46.09	302.33	977.05	
Nutrient balance	100.15	67.07	362.00	4,487.25	
Applied to removed ratio	1.31	2.46	2.20	5.59	
					Process wastewater applied
					4,080,000.00 <i>gallons</i>
					150.25 <i>acre-inches</i>
					8.35 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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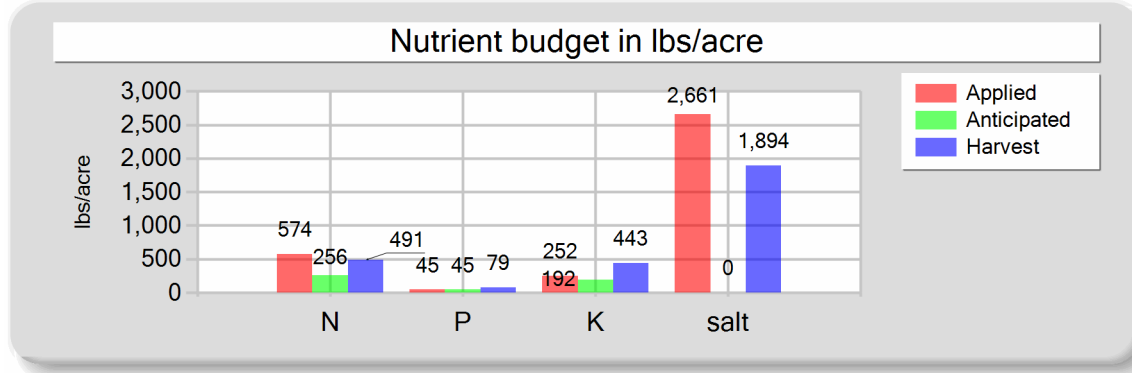
Reporting period 01/01/2023 to 12/31/2023.

1G-3 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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)
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	567.06	45.49	252.33	2,648.15
Fresh water	0.00	0.00	0.00	12.52
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	574.06	45.49	252.33	2,660.66
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	491.29	78.50	443.17	1,894.24
Nutrient balance	82.77	-33.02	-190.84	766.43
Applied to removed ratio	1.17	0.58	0.57	1.40

Fresh water applied
375,000.00 gallons
13.81 acre-inches
4.60 inches/acre

Process wastewater applied
400,000.00 gallons
14.73 acre-inches
4.91 inches/acre

Total harvests for the crop
1 harvests

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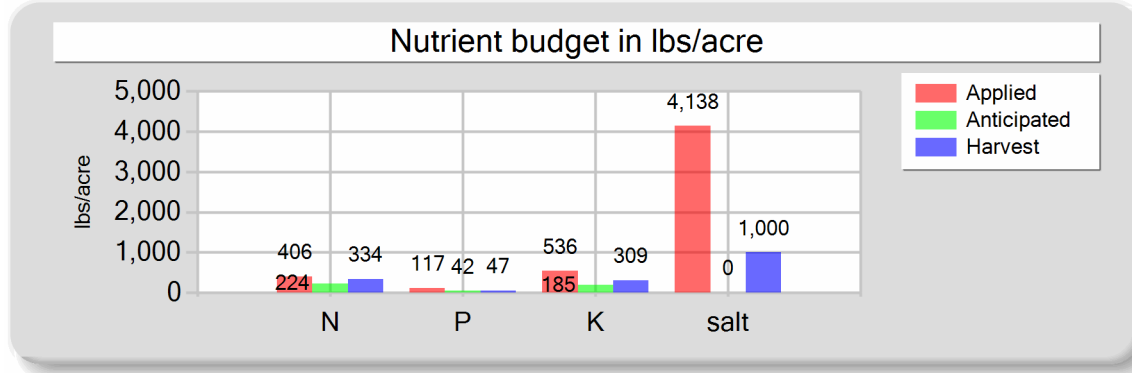
Reporting period 01/01/2023 to 12/31/2023.

1G-3 - 06/01/2023: Corn, silage

Field name: 1G-3

Crop: Corn, silage

Plant date: 06/01/2023



	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	399.06	117.33	535.77	4,062.35
Fresh water	0.00	0.00	0.00	75.94
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	406.06	117.33	535.77	4,138.29
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	333.87	47.16	309.35	999.72
Nutrient balance	72.19	70.17	226.42	3,138.56
Applied to removed ratio	1.22	2.49	1.73	4.14

Fresh water applied
2,275,000.00 gallons
83.78 acre-inches
27.93 inches/acre

Process wastewater applied
600,000.00 gallons
22.10 acre-inches
7.37 inches/acre

Total harvests for the crop
1 harvests

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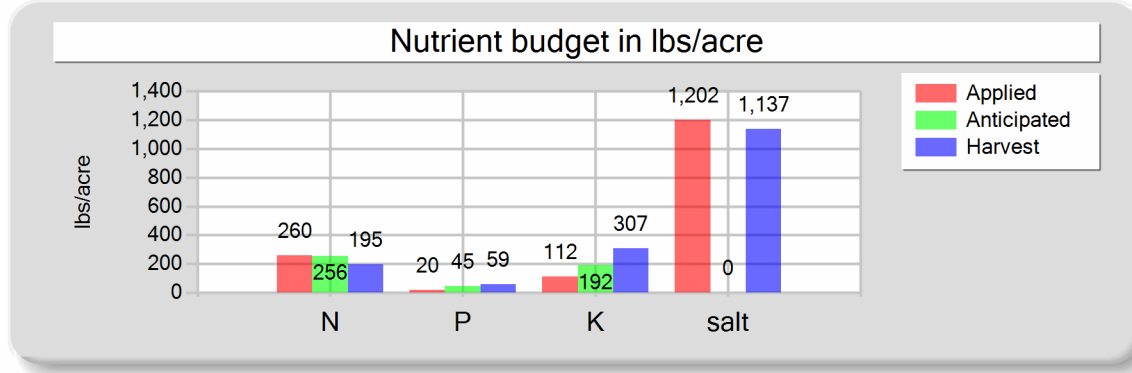
Reporting period 01/01/2023 to 12/31/2023.

1G-4 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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	252.75	20.27	112.47	1,180.32
Fresh water	0.00	0.00	0.00	21.61
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	259.75	20.27	112.47	1,201.93
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	195.39	58.62	307.04	1,137.43
Nutrient balance	64.36	-38.34	-194.57	64.50
Applied to removed ratio	1.33	0.35	0.37	1.06

Fresh water applied
7,554,336.00 gallons
278.20 acre-inches
7.95 inches/acre

Process wastewater applied
2,080,000.00 gallons
76.60 acre-inches
2.19 inches/acre

Total harvests for the crop
1 harvests

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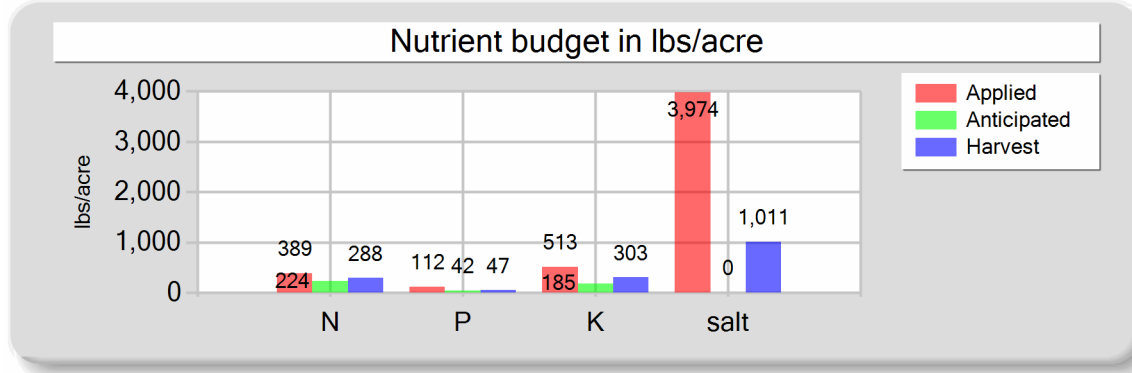
Reporting period 01/01/2023 to 12/31/2023.

1G-4 - 06/01/2023: Corn, silage

Field name: 1G-4

Crop: Corn, silage

Plant date: 06/01/2023



	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	381.96	112.30	512.80	3,888.25
Fresh water	0.00	0.00	0.00	86.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	388.96	112.30	512.80	3,974.39
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	287.81	46.71	302.88	1,011.11
Nutrient balance	101.14	65.59	209.92	2,963.28
Applied to removed ratio	1.35	2.40	1.69	3.93

Fresh water applied
30,108,672.00 <i>gallons</i>
1,108.80 <i>acre-inches</i>
31.68 <i>inches/acre</i>

Process wastewater applied
6,700,000.00 <i>gallons</i>
246.74 <i>acre-inches</i>
7.05 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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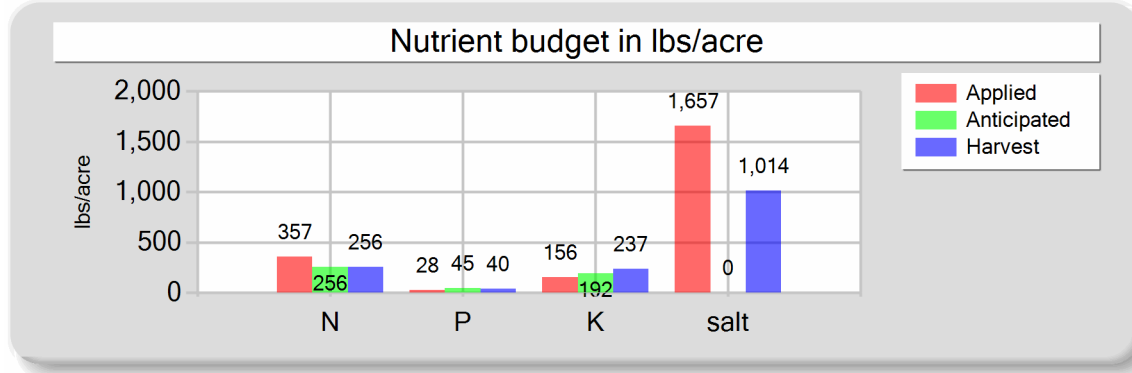
Reporting period 01/01/2023 to 12/31/2023.

1G-5 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-5

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	349.96	28.07	155.72	1,634.28
Fresh water	0.00	0.00	0.00	22.99
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	356.96	28.07	155.72	1,657.28
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	256.02	40.05	237.43	1,014.07
Nutrient balance	100.94	-11.98	-81.70	643.21
Applied to removed ratio	1.39	0.70	0.66	1.63

Fresh water applied
8,036,224.00 gallons
295.95 acre-inches
8.46 inches/acre

Process wastewater applied
2,880,000.00 gallons
106.06 acre-inches
3.03 inches/acre

Total harvests for the crop
1 harvests

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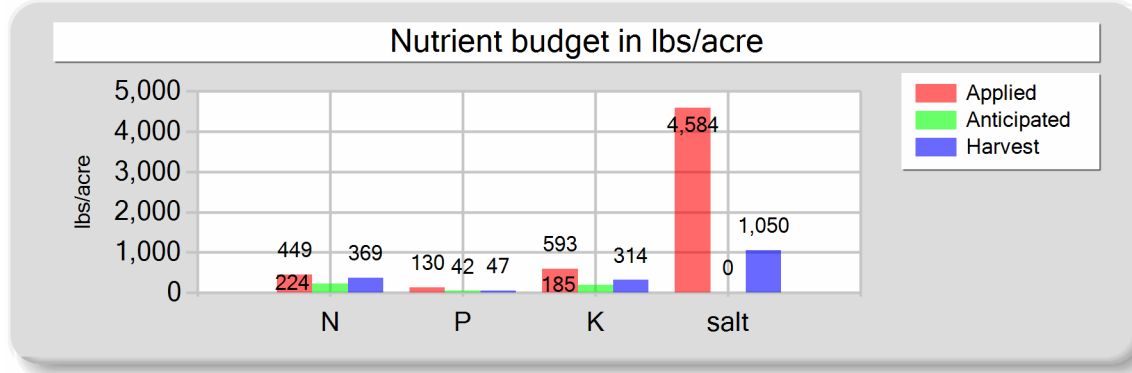
Reporting period 01/01/2023 to 12/31/2023.

1G-5 - 06/01/2023: Corn, silage

Field name: 1G-5

Crop: Corn, silage

Plant date: 06/01/2023



	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	441.81	129.90	593.17	4,497.60
Fresh water	0.00	0.00	0.00	86.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	448.81	129.90	593.17	4,583.74
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	368.91	46.92	313.89	1,050.09
Nutrient balance	79.91	82.98	279.28	3,533.65
Applied to removed ratio	1.22	2.77	1.89	4.37

Fresh water applied
30,108,672.00 <i>gallons</i>
1,108.80 <i>acre-inches</i>
31.68 <i>inches/acre</i>

Process wastewater applied
7,750,000.00 <i>gallons</i>
285.41 <i>acre-inches</i>
8.15 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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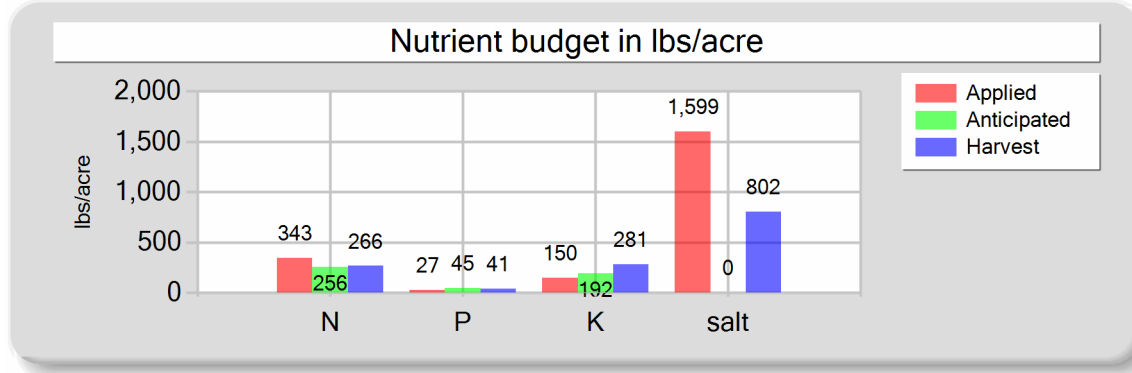
Reporting period 01/01/2023 to 12/31/2023.

1G-6 - 11/01/2022: Wheat, silage, boot stage

Field name: 1G-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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	15,453,528.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	569.10 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	10.35 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	336.37	26.98	149.68	1,570.83	Process wastewater applied
Fresh water	0.00	0.00	0.00	28.14	4,350,000.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	160.20 <i>acre-inches</i>
Total nutrients applied	343.37	26.98	149.68	1,598.97	2.91 <i>inches/acre</i>
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	265.76	41.48	281.32	802.46	Total harvests for the crop
Nutrient balance	77.61	-14.50	-131.64	796.51	1 <i>harvests</i>
Applied to removed ratio	1.29	0.65	0.53	1.99	

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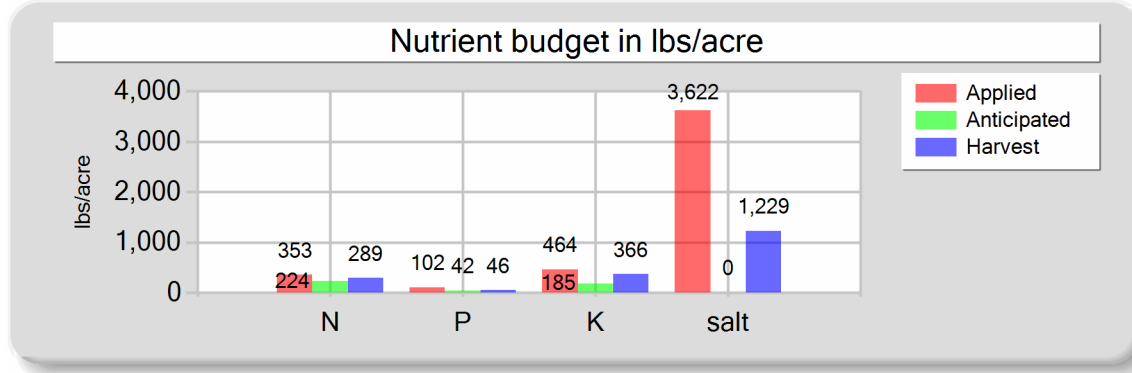
Reporting period 01/01/2023 to 12/31/2023.

1G-6 - 06/01/2023: Corn, silage

Field name: 1G-6

Crop: Corn, silage

Plant date: 06/01/2023



	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	345.55	101.60	463.92	3,517.62
Fresh water	0.00	0.00	0.00	103.89
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	352.55	101.60	463.92	3,621.51
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	288.99	46.18	366.45	1,228.94
Nutrient balance	63.56	55.42	97.48	2,392.57
Applied to removed ratio	1.22	2.20	1.27	2.95

Fresh water applied
57,058,232.00 gallons
2,101.26 acre-inches
38.20 inches/acre

Process wastewater applied
9,525,000.00 gallons
350.77 acre-inches
6.38 inches/acre

Total harvests for the crop
1 harvests

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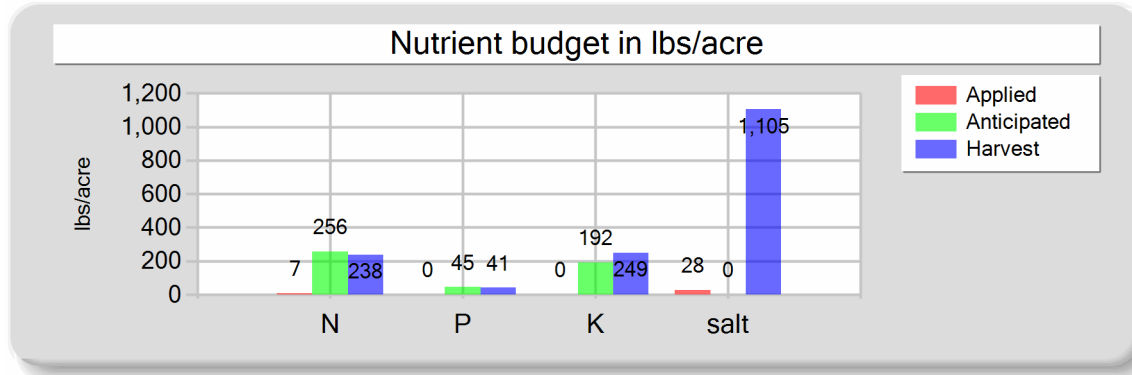
Reporting period 01/01/2023 to 12/31/2023.

2G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 2G-1

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	15,286,176.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	562.94 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	10.24 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	27.83	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	27.83	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	238.42	40.73	249.20	1,104.62	
Nutrient balance	-231.42	-40.73	-249.20	-1,076.79	
Applied to removed ratio	0.03	0.00	0.00	0.03	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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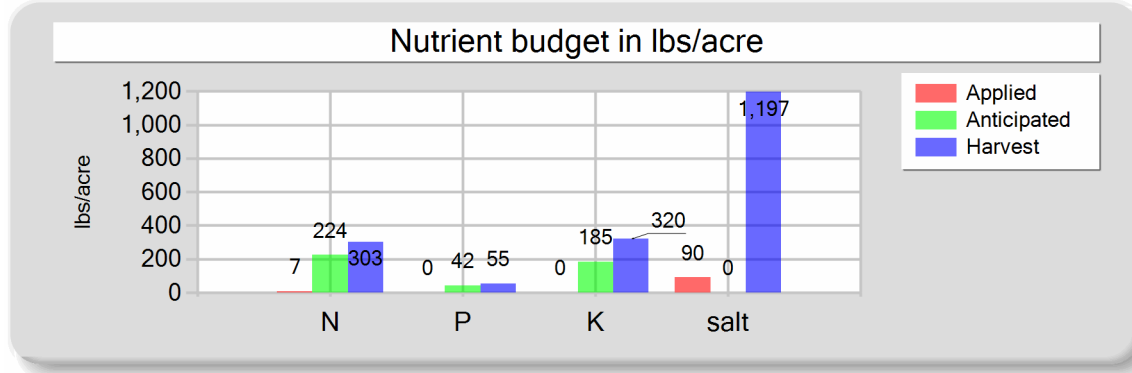
Reporting period 01/01/2023 to 12/31/2023.

2G-1 - 06/01/2023: Corn, silage

Field name: 2G-1

Crop: Corn, silage

Plant date: 06/01/2023



	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	49,669,116.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,829.14 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	33.26 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	90.43	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	90.43	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	303.02	55.10	320.24	1,196.60	
Nutrient balance	-296.02	-55.10	-320.24	-1,106.17	
Applied to removed ratio	0.02	0.00	0.00	0.08	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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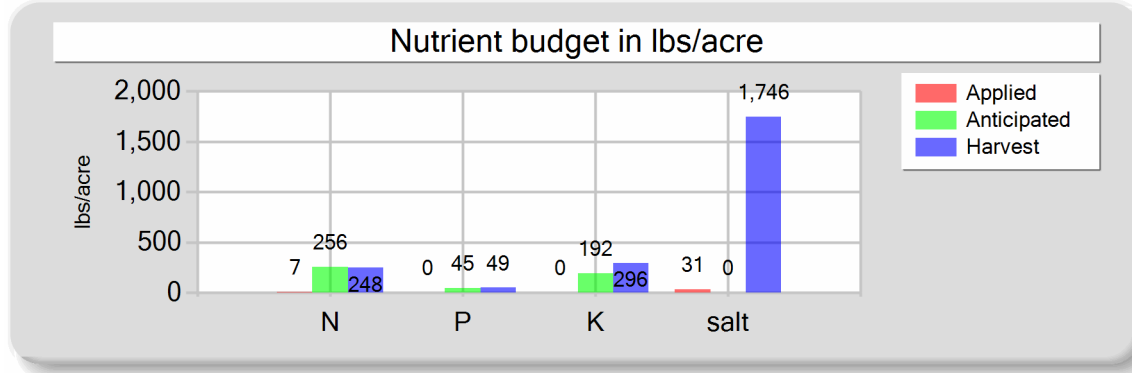
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: 2G-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	12,285,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	452.41 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	11.31 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	30.76	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	30.76	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	247.79	49.28	295.66	1,745.78	
Nutrient balance	-240.79	-49.28	-295.66	-1,715.03	
Applied to removed ratio	0.03	0.00	0.00	0.02	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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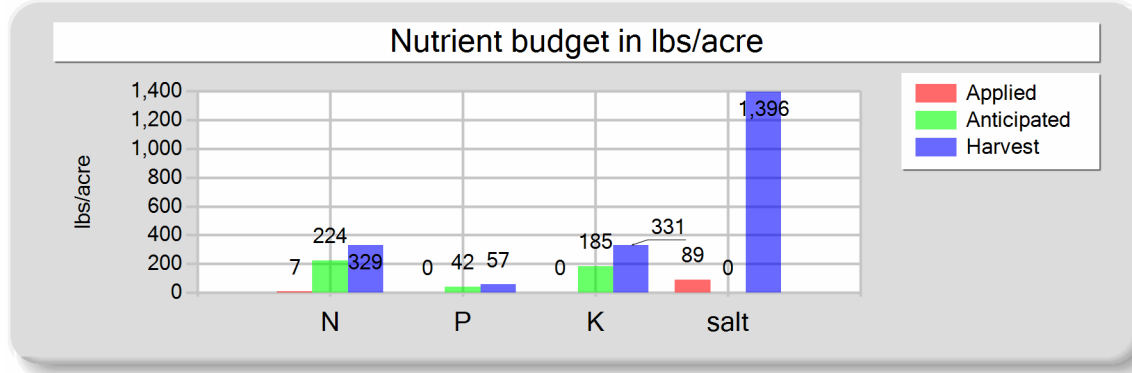
Reporting period 01/01/2023 to 12/31/2023.

2G-2 - 06/01/2023: Corn, silage

Field name: 2G-2

Crop: Corn, silage

Plant date: 06/01/2023



	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	35,665,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,313.42 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	32.84 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	89.29	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	89.29	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	328.99	56.91	330.76	1,395.97	
Nutrient balance	-321.99	-56.91	-330.76	-1,306.68	
Applied to removed ratio	0.02	0.00	0.00	0.06	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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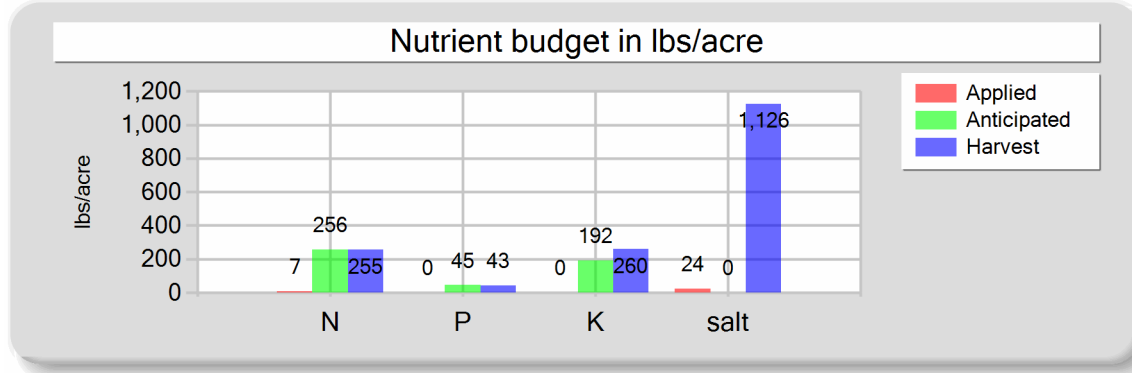
Reporting period 01/01/2023 to 12/31/2023.

2G-3 - 11/01/2022: Wheat, silage, boot stage

Field name: 2G-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	4,786,764.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	176.28 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	8.81 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	23.97	0.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	0.00 <i>acre-inches</i>
Total nutrients applied	7.00	0.00	0.00	23.97	0.00 <i>inches/acre</i>
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	254.87	43.30	259.79	1,125.75	
Nutrient balance	-247.87	-43.30	-259.79	-1,101.78	Total harvests for the crop
Applied to removed ratio	0.03	0.00	0.00	0.02	1 <i>harvests</i>

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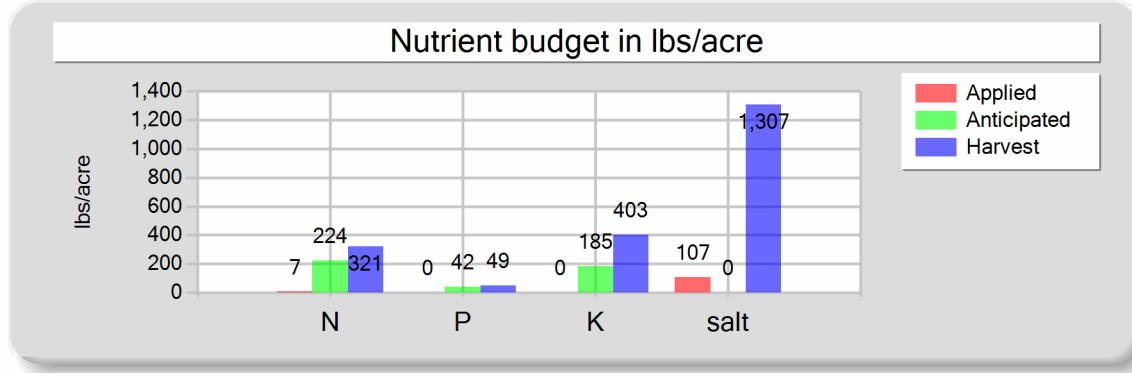
Reporting period 01/01/2023 to 12/31/2023.

2G-3 - 06/01/2023: Corn, silage

Field name: 2G-3

Crop: Corn, silage

Plant date: 06/01/2023



	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	21,417,127.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	788.72 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	39.44 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	107.24	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	107.24	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	320.54	49.31	403.31	1,306.81	
Nutrient balance	-313.54	-49.31	-403.31	-1,199.57	
Applied to removed ratio	0.02	0.00	0.00	0.08	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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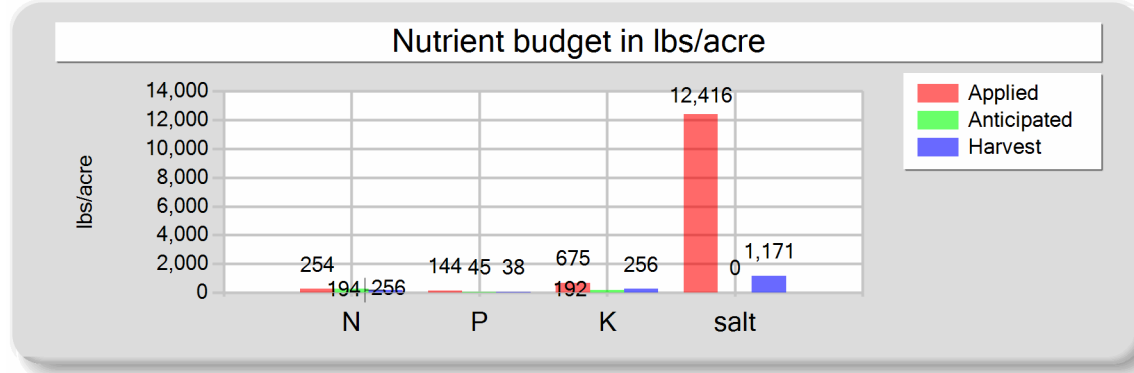
Reporting period 01/01/2023 to 12/31/2023.

3G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 3G-1

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	246.85	144.38	675.34	12,387.41
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	28.22
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	253.85	144.38	675.34	12,415.63
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	194.33	37.61	255.76	1,170.97
Nutrient balance	59.52	106.77	419.58	11,244.66
Applied to removed ratio	1.31	3.84	2.64	10.60

Fresh water applied
20,571,969.00 <i>gallons</i>
757.60 <i>acre-inches</i>
10.38 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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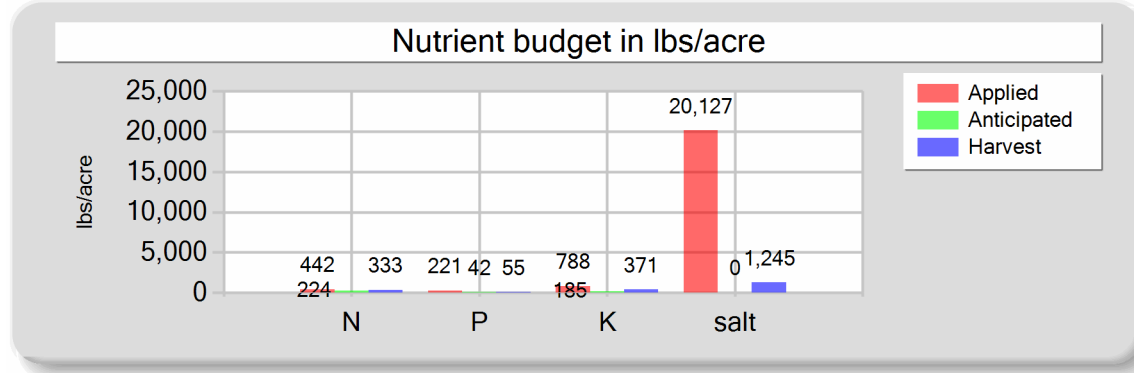
Reporting period 01/01/2023 to 12/31/2023.

3G-1 - 06/01/2023: Corn, silage

Field name: 3G-1

Crop: Corn, silage

Plant date: 06/01/2023



	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	69,001,261.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	2,541.08 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	34.81 <i>inches/acre</i>
Dry manure	434.79	220.55	787.67	20,032.56	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	94.65	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	441.79	220.55	787.67	20,127.21	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	333.28	54.61	370.94	1,244.64	
Nutrient balance	108.51	165.94	416.73	18,882.58	
Applied to removed ratio	1.33	4.04	2.12	16.17	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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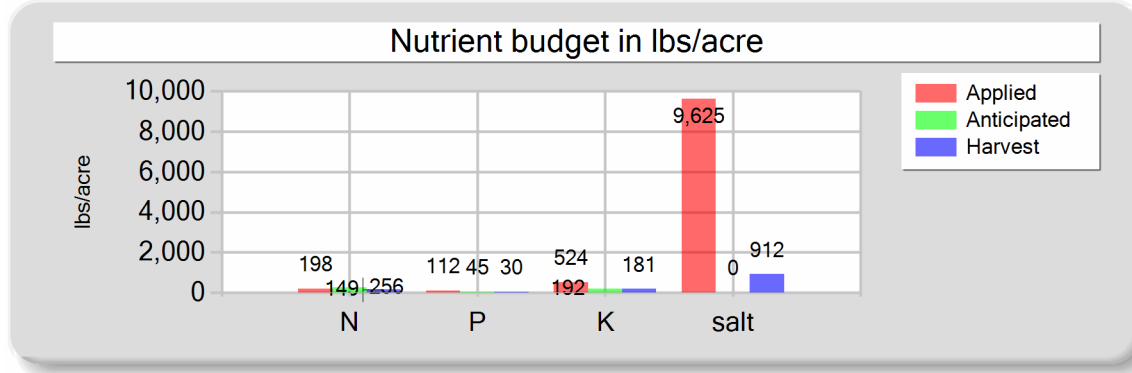
Reporting period 01/01/2023 to 12/31/2023.

4G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 4G-1

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	14,677,104.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	540.51 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	7.51 <i>inches/acre</i>
Dry manure	191.39	111.94	523.61	9,604.29	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	20.41	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	198.39	111.94	523.61	9,624.71	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	149.46	29.89	180.54	912.28	
Nutrient balance	48.93	82.05	343.07	8,712.42	
Applied to removed ratio	1.33	3.75	2.90	10.55	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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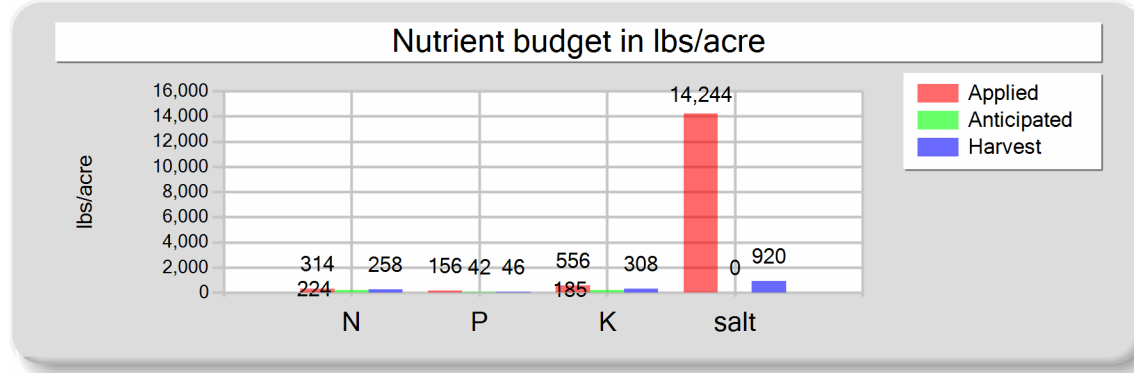
Reporting period 01/01/2023 to 12/31/2023.

4G-1 - 06/01/2023: Corn, silage

Field name: 4G-1

Crop: Corn, silage

Plant date: 06/01/2023



	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	82,708,416.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	3,045.87 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	42.30 <i>inches/acre</i>
Dry manure	306.67	155.56	555.56	14,129.24	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	115.03	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	313.67	155.56	555.56	14,244.28	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	258.33	46.41	307.83	920.39	
Nutrient balance	55.34	109.15	247.73	13,323.88	
Applied to removed ratio	1.21	3.35	1.80	15.48	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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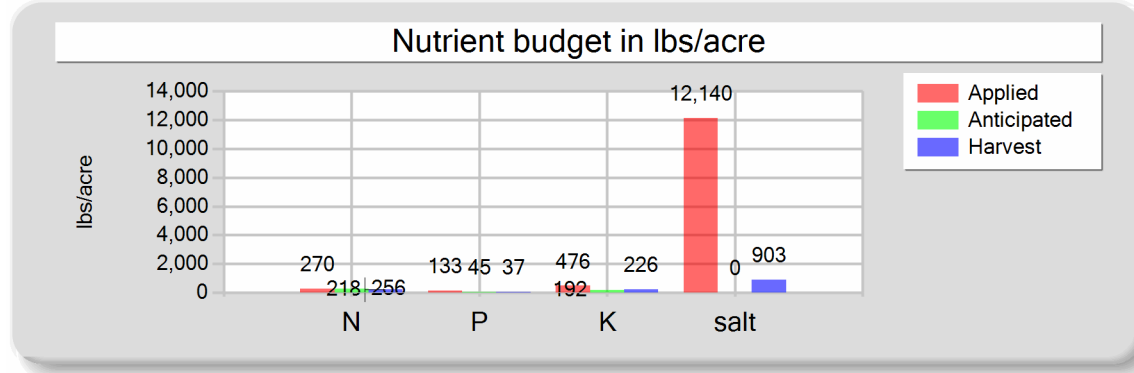
Reporting period 01/01/2023 to 12/31/2023.

5G-1 - 11/01/2022: Wheat, silage, boot stage

Field name: 5G-1

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	31,015,656.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,142.20 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	10.88 <i>inches/acre</i>
Dry manure	262.86	133.33	476.19	12,110.78	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	29.58	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	269.86	133.33	476.19	12,140.36	
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	217.83	36.70	226.12	903.28	
Nutrient balance	52.03	96.63	250.07	11,237.08	
Applied to removed ratio	1.24	3.63	2.11	13.44	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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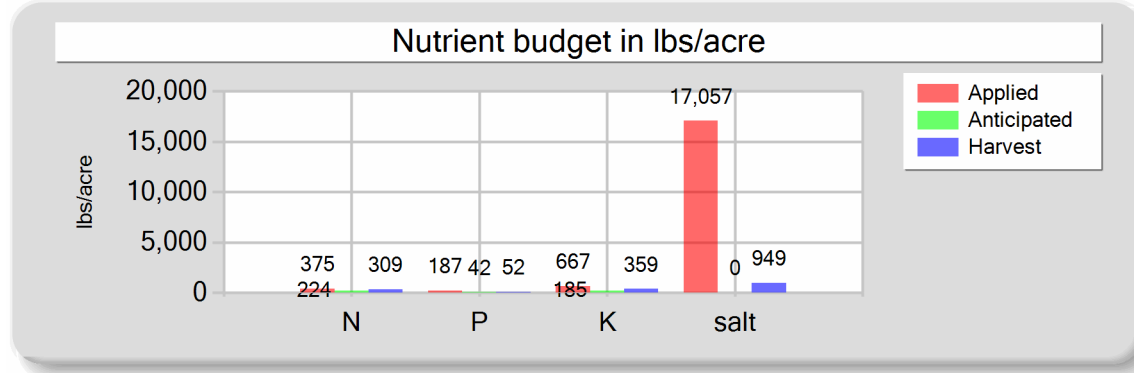
Reporting period 01/01/2023 to 12/31/2023.

5G-1 - 06/01/2023: Corn, silage

Field name: 5G-1

Crop: Corn, silage

Plant date: 06/01/2023



	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	368.00	186.67	666.67	16,955.09
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	101.77
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	375.00	186.67	666.67	17,056.86
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	309.00	52.12	359.26	949.35
Nutrient balance	66.00	134.55	307.40	16,107.52
Applied to removed ratio	1.21	3.58	1.86	17.97

Fresh water applied
106,708,416.00 <i>gallons</i>
3,929.71 <i>acre-inches</i>
37.43 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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

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: As-is

Moisture: 10.7 %

	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	13,800.00	7,000.00	25,000.00	15,800.00	9,600.00	8,500.00	5,200.00	896.90		71.20
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: 10/16/2023 Material type: Corral solids

Source of analysis: Lab analysis

Method of reporting: Dry-weight

Moisture: 10.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,600.00	6,200.00	29,000.00							59.50
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: 7.74

	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	509.64	91.44	0.00	0.00	40.88	226.78								2,380.00	2,380
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: 7.78

	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	239.10	160.20	0.00	0.00	70.30	321.01	5.40	4.80	14.10	32.09	0.00	1.60	5.90	3,804.00	2,434
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: 09/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.74

	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	169.70	158.30	0.00	0.00	28.40	441.83								2,595.00	4,056
DL	67.00	0.57	0.01	0.01	0.63	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: 7.67

	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	359.40	62.00	0.00	0.00	55.10	883.70								8,454.00	5,410
DL	67.00	0.64	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Barn

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

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 (µmhos/cm)	TDS (mg/L)
Value	0.00										242.00	
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 (µmhos/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

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

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

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

1G-1

Sample and source description: 1G-1

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	29,300.00	4,900.00	25,900.00		9.76
DL	100.00	100.00	100.00		1.00

1G-1 - 06/01/2023: Corn, silage

1G-1

Sample and source description: 1G-1

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,700.00	2,700.00	18,800.00		5.24
DL	100.00	100.00	100.00		1.00

1G-2 - 11/01/2022: Wheat, silage, boot stage

1G-2

Sample and source description: 1G-2

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	27,800.00	4,100.00	20,900.00		9.80
DL	100.00	100.00	100.00		1.00

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1G-2 - 06/01/2023: Corn, silage

1G-2

Sample and source description: 1G-2

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,700.00	2,500.00	16,400.00		5.30
DL	100.00	100.00	100.00		1.00

1G-3 - 11/01/2022: Wheat, silage, boot stage

1G-3

Sample and source description: 1G-3

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,400.00	3,100.00	17,500.00		7.48
DL	100.00	100.00	100.00		1.00

1G-3 - 06/01/2023: Corn, silage

1G-3

Sample and source description: 1G-3

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,700.00	2,500.00	16,400.00		5.30
DL	100.00	100.00	100.00		1.00

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

1G-4 - 11/01/2022: Wheat, silage, boot stage

1G-4

Sample and source description: 1G-4

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 58.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,000.00	4,200.00	22,000.00		8.15
DL	100.00	100.00	100.00		1.00

1G-4 - 06/01/2023: Corn, silage

1G-4

Sample and source description: 1G-4

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 73.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,100.00	3,100.00	20,100.00		6.71
DL	100.00	100.00	100.00		1.00

1G-5 - 11/01/2022: Wheat, silage, boot stage

1G-5

Sample and source description: 1G-5

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 59.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,900.00	2,800.00	16,600.00		7.09
DL	100.00	100.00	100.00		1.00

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

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

1G-5 - 06/01/2023: Corn, silage

1G-5

Sample and source description: 1G-5

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 72.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	22,800.00	2,900.00	19,400.00		6.49
DL	100.00	100.00	100.00		1.00

1G-6 - 11/01/2022: Wheat, silage, boot stage

1G-6

Sample and source description: 1G-6

Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,500.00	3,200.00	21,700.00		6.19
DL	100.00	100.00	100.00		1.00

1G-6 - 06/01/2023: Corn, silage

1G-6

Sample and source description: 1G-6

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 75.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,400.00	3,100.00	24,600.00		8.25
DL	100.00	100.00	100.00		1.00

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

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

2G-1 - 11/01/2022: Wheat, silage, boot stage

2G-1

Sample and source description: 2G-1

Sample date: 05/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 55.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,900.00	3,400.00	20,800.00		9.22
DL	100.00	100.00	100.00		1.00

2G-1 - 06/01/2023: Corn, silage

2G-1

Sample and source description: 2G-1

Sample date: 09/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,600.00	3,200.00	18,600.00		6.95
DL	100.00	100.00	100.00		1.00

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

2G-2

Sample and source description: 2G-2

Sample date: 05/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,600.00	3,500.00	21,000.00		12.40
DL	100.00	100.00	100.00		1.00

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

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

2G-2 - 06/01/2023: Corn, silage

2G-2

Sample and source description: 2G-2

Sample date: 09/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,500.00	3,200.00	18,600.00		7.85
DL	100.00	100.00	100.00		1.00

2G-3 - 11/01/2022: Wheat, silage, boot stage

2G-3

Sample and source description: 2G-3

Sample date: 05/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	25,900.00	4,400.00	26,400.00		11.44
DL	100.00	100.00	100.00		1.00

2G-3 - 06/01/2023: Corn, silage

2G-3

Sample and source description: 2G-3

Sample date: 09/15/2023 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	18,200.00	2,800.00	22,900.00		7.42
DL	100.00	100.00	100.00		1.00

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

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

3G-1 - 11/01/2022: Wheat, silage, boot stage

3G-1

Sample and source description: 3G-1

Sample date: 05/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 59.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,500.00	3,000.00	20,400.00		9.34
DL	100.00	100.00	100.00		1.00

3G-1 - 06/01/2023: Corn, silage

3G-2

Sample and source description: 3G-2

Sample date: 09/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,700.00	2,900.00	19,700.00		6.61
DL	100.00	100.00	100.00		1.00

4G-1 - 11/01/2022: Wheat, silage, boot stage

4G-1

Sample and source description: 4G-1

Sample date: 05/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,500.00	2,500.00	15,100.00		7.63
DL	100.00	100.00	100.00		1.00

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

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

4G-1 - 06/01/2023: Corn, silage**4G-1**Sample and source description: 4G-1Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 73.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,700.00	3,000.00	19,900.00		5.95
DL	100.00	100.00	100.00		1.00

5G-1 - 11/01/2022: Wheat, silage, boot stage**5G-1**Sample and source description: 5G-1Sample date: 05/02/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 61.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,400.00	3,100.00	19,100.00		7.63
DL	100.00	100.00	100.00		1.00

5G-1 - 06/01/2023: Corn, silage**5G-1**Sample and source description: 5G-1Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 67.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,600.00	2,800.00	19,300.00		5.10
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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

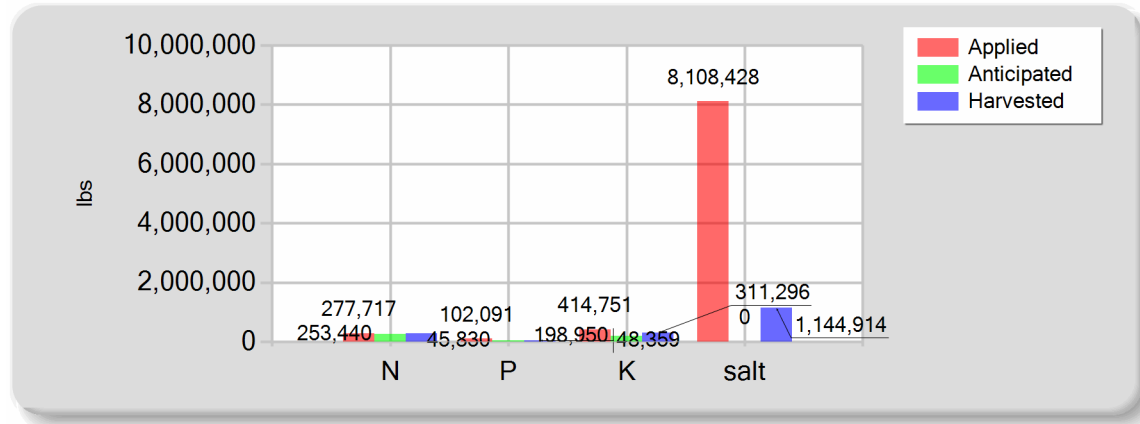
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

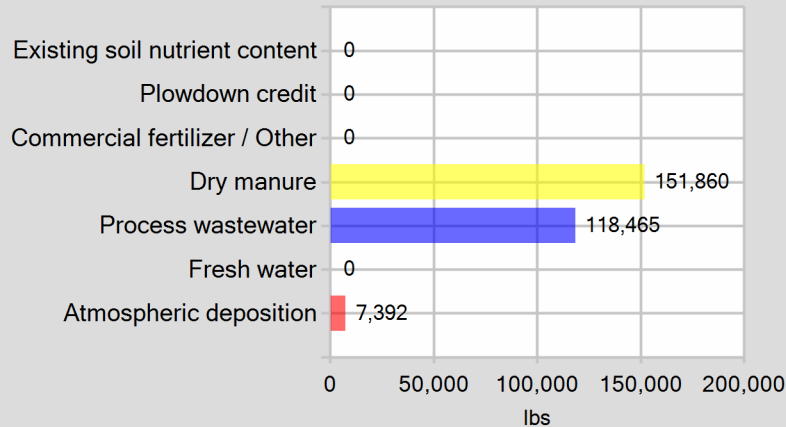
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	151,860.00	79,500.00	304,500.00	7,127,389.20
Process wastewater	118,465.40	22,590.77	110,251.29	915,054.37
Fresh water	0.00	0.00	0.00	65,984.80
Atmospheric deposition	7,392.00	0.00	0.00	0.00
Total nutrients applied	277,717.40	102,090.77	414,751.29	8,108,428.37
Anticipated crop nutrient removal	253,440.00	45,830.40	198,950.40	0.00
Actual crop nutrient removal	281,935.08	48,359.34	311,295.95	1,144,914.17
Nutrient balance	-4,217.68	53,731.43	103,455.34	6,963,514.21
Applied to removed ratio	0.99	2.11	1.33	7.08

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

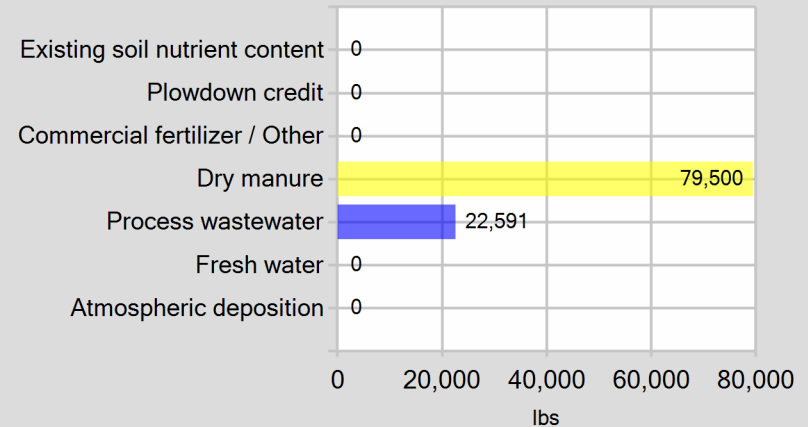


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

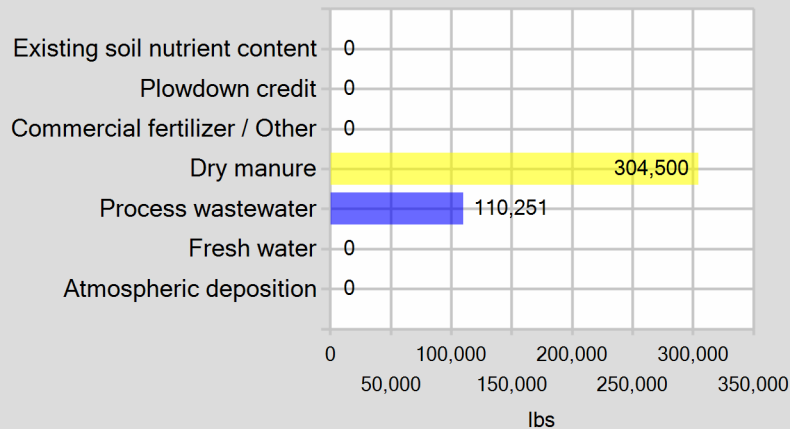
Pounds of nitrogen applied



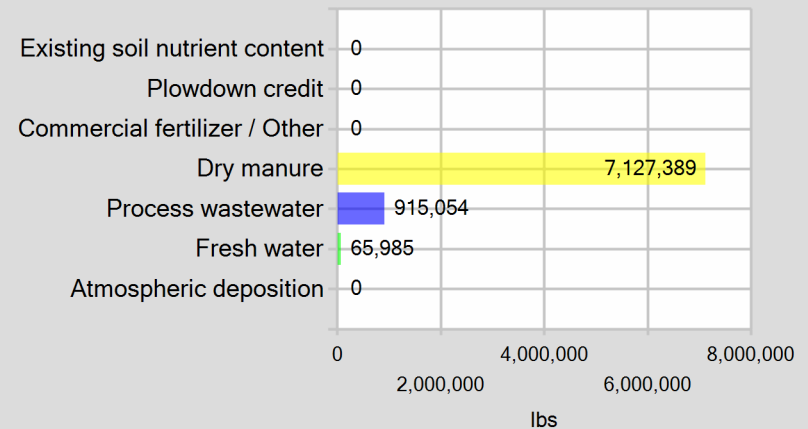
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

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

2G-1/2G-2/2G-3 received the imported WW from AJ Slenders Dairy .

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

SIGNATURE OF OPERATOR OF FACILITY

Mary Garcia

James Netto

PRINT OR TYPE NAME

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

Mary Garcia
PRINT OR TYPE NAME

06/17/24
DATE


SIGNATURE OF OPERATOR OF FACILITY

James Netto
PRINT OR TYPE NAME

06/17/24
DATE

Netto Enterprise
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025835
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 12:33


Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0691-01	Barn	Ag Water	Medeiros		12/12/2023 9:30
23L0691-02	Mobile Homes	Ag Water	Medeiros		12/12/2023 9:35

Default Cooler Temperature on Receipt °C: 17.1
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

Netto Enterprise
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Hanford, CA 93230

Account# 00-0025835
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
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Sample Results

Sample: Barn
23L0691-01 (Water)

Sampled: 12/12/2023 9:30
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.24	mmhos/cm	0.01	1		12/13/23 17:00	SM 2510 B		BEL0497
Electrical Conductivity umhos	242	umhos/cm	10.0	1		12/13/23 17:00	SM 2510 B		BEL0497
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 09:30	Field		BEL0525
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 04:44	EPA 300.0		BEL0446
Temperature	25.0	units	0.0	1		12/13/23 17:00	SM 4500-H+	H	BEL0497
pH	9.3	units	1.0	1		12/13/23 17:00	SM 4500-H+	H	BEL0497

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Sample Results (Continued)

Sample: Mobile Homes
23L0691-02 (Water)

Sampled: 12/12/2023 9:35
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.24	mmhos/cm	0.01	1		12/13/23 17:01	SM 2510 B		BEL0497
Electrical Conductivity umhos	243	umhos/cm	10.0	1		12/13/23 17:01	SM 2510 B		BEL0497
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 09:35	Field		BEL0525
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 05:04	EPA 300.0		BEL0446
Temperature	25.0	units	0.0	1		12/13/23 17:01	SM 4500-H+	H	BEL0497
pH	9.3	units	1.0	1		12/13/23 17:01	SM 4500-H+	H	BEL0497

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Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
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Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0446									
Blank (BEL0446-BLK1)				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK2)				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK3)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK4)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK5)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEL0446-BS1)				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000		95.9	90-110		
LCS (BEL0446-BS2)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		97.9	90-110		
LCS (BEL0446-BS3)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000		99.7	90-110		
LCS (BEL0446-BS4)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		97.9	90-110		
Duplicate (BEL0446-DUP1)				Source: 23L0776-07		Prepared & Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	7.7	0.1	mg/L		7.6			1.53	10
Duplicate (BEL0446-DUP2)				Source: 23L0778-01		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	0.6	0.1	mg/L		0.5			1.99	10
Duplicate (BEL0446-DUP3)				Source: 23L0691-01		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	0.02	0.1	mg/L		0.02				10
Duplicate (BEL0446-DUP4)				Source: 23L0774-09		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	0.04	0.1	mg/L		0.03			5.71	10
Matrix Spike (BEL0446-MS1)				Source: 23L0776-07		Prepared & Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	12.7	0.1	mg/L	5.000	7.6	102	90-110		
Matrix Spike (BEL0446-MS2)				Source: 23L0778-01		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	5.3	0.1	mg/L	5.000	0.5	95.6	90-110		

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Netto Enterprise
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Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 12:33

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0446 (Continued)									
Matrix Spike (BEL0446-MS3)		Source: 23L0691-01			Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.02	96.5	90-110		
Matrix Spike (BEL0446-MS4)		Source: 23L0774-09			Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.03	95.8	90-110		
Reference (BEL0446-SRM1)					Prepared & Analyzed: 12/13/2023				
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00		96.9	90-110		
Reference (BEL0446-SRM2)					Prepared & Analyzed: 12/13/2023				
Nitrate Nitrogen as NO3N	9.6		mg/L	10.00		96.5	90-110		
Reference (BEL0446-SRM3)					Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00		96.5	90-110		
Reference (BEL0446-SRM4)					Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00		98.1	90-110		
Reference (BEL0446-SRM5)					Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	9.6		mg/L	10.00		95.6	90-110		

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Hanford, CA 93230

Account# 00-0025835
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 12:33

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0497									
Blank (BEL0497-BLK1)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	5.5	1.0	units						
Blank (BEL0497-BLK2)				Prepared & Analyzed: 12/13/2023					
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						
Blank (BEL0497-BLK3)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
pH	7.2	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEL0497-DUP1)				Source: 23L0694-04		Prepared & Analyzed: 12/13/2023			
Electrical Conductivity	1.14	0.01	mmhos/cm		1.13		0.986		10
pH	7.8	1.0	units		7.8		0.129		10
Electrical Conductivity umhos	1140	10.0	umhos/cm		1130		0.986		10
Duplicate (BEL0497-DUP2)				Source: 23L0704-01		Prepared & Analyzed: 12/13/2023			
Electrical Conductivity	1.94	0.01	mmhos/cm		1.91		1.40		10
Electrical Conductivity umhos	1940	10.0	umhos/cm		1910		1.40		10
pH	7.3	1.0	units		7.4		0.815		10
Reference (BEL0497-SRM1)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	456		umhos/cm	426.0		107	90-110		
Reference (BEL0497-SRM2)				Prepared & Analyzed: 12/13/2023					
pH	7.5		units	7.520		100	67021-101.3;		
Reference (BEL0497-SRM3)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1090		umhos/cm	1000		109	90-110		
Electrical Conductivity umhos	1090		umhos/cm	1000		109	90-110		
Reference (BEL0497-SRM4)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1090		umhos/cm	1000		109	90-110		
Electrical Conductivity umhos	1090		umhos/cm	1000		109	90-110		
Reference (BEL0497-SRM5)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1070		umhos/cm	1000		107	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Netto Enterprise
10044 Flint Ave
Hanford, CA 93230

Account# 00-0025835
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 12:33

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0497 (Continued)									
Reference (BEL0497-SRM5)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity umhos	1070		umhos/cm	1000		107	90-110		
Reference (BEL0497-SRM6)				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		100	97.5-102.5		
Reference (BEL0497-SRM7)				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		101	97.5-102.5		
Reference (BEL0497-SRM8)				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		100	97.5-102.5		

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12/13/23 07:00

23L0691

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 re Fridgerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
Samples Preserved with HNO ₃ or H ₂ SO ₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory											
Type of Container(s) Received		Sample Number									
		1	2	3	4	5	6	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)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
1 L AG HCl (Blue)											
Special	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:											



12/13/23 07:00

23L0691

WATER WORK REQUEST
 Bill To: Acct No. 25835 Cons. 8

Purchase Order No. _____ Results Needed By _____

 Client Netto Enterprise
 Address 10044 Flint Ave
 City, State, Zip Hanford, CA 93230
 Email heidi@nettoag.com

 Copy to: mel_tinamedeiros@yahoo.com

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

Facility: _____

Date sampled _____

 Sampled by Medeiros
☒ QA/QC Document ☒ Copy of Chain ☐ RWQCB
DESCRIPTION OF SAMPLES

1. <u>Barn</u>	Sampled From: _____
2. <u>Mane Hues</u>	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	<u>[Signature]</u>			<u>12/12/23 11:32AM</u>
Second	<u>[Signature]</u>	<u>DLI</u>	<u>12/12/23 11:32AM</u>	
Third				
Fourth	<u>[Signature]</u>	<u>DLI</u>	<u>12/13 04:00</u>	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a stated damage fee of 2% per month (annually 24 %) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of DellaValle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of DellaValle Laboratory.

Invoicing Information:		Shipping	
Medeiros Pricing 2023			
Sampling Hrs _____	Miles _____	Consulting _____	
Amt Paid _____		Rec By _____	Check No. _____
		Date _____	

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

 No. of Samples 2 No. Bottles 2
 Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☒ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other _____
Analysis and Bottles Required: (Please Indicate Analysis)

- ☒ EC, NO₃-N
 (1) 1L plastic, unpreserved (white)
- ☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
 (1) 1L plastic, unpreserved (white)
- ☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
 (1) 1L plastic, unpreserved (white)
- ☐ DCW1: (EC, NO₃-N, TDS)
 (1) 1L plastic, unpreserved (white)
- ☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
 (1) 1L plastic, unpreserved (white)
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
 (1) 1L plastic, unpreserved (white)
- ☐ Other _____

Date Sampled	Time Sampled	Field NH ₄ -N (mg/L)	Received Temp °C	H/F
<u>12/12/23</u>	<u>930am</u>	<u>0</u>	<u>17.1</u>	<u>11.3</u>
<u>12</u>	<u>935AM</u>	<u>0</u>	<u>15.2</u>	<u>0.9</u>

 IR Thermometer SN: 200560723
 Correction Factor: 0°C
 Calibration Due: 03/06/2024
 Location: Laboratory

 IR Thermometer SN: 221511276
 Correction Factor: 0°C
 Calibration Due: 03/06/2024
 Location: Hanford

Signature _____

Sample received in cooler with ice?

☐ Yes ☐ No

ett:update 2020

Report of Water Analysis

Double N Dairy
10044 Flint Ave
Hanford CA 93230
00-0025805 08

E-mail: heidi@nettoag.com
Copy To: mel_tinamedeiros@yahoo.com

Lab No.: 23H1602
Sampled By:
Requested By: Christina Medeiros
Submitted Date: 08/17/23
Reported Date: 08/21/23
Project:
Crop ID:

MCL--->	0.90-2.2	10.0
---------	----------	------

		Date	Time	EC	NO₃-N
		Sampled	Sampled	dS/m	mg/L
1	Canal	8/16/23	15:30	0.02	ND

ND = None Detected

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

Approved By: _____

Scott M. Friedland

Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02