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: Flint Dairy

Physical address of dairy:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 06/01/1997

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X014-X009-X036-XXXX

B. OPERATORS

Wilgenburg, Bert

Operator name: Wilgenburg, Bert

Telephone no.: Landline (559) 381-1778 Cellular

6511 Flint AVE	Hanford	CA	93230
Mailing Address Number and Street	City	State	Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Wilgenburg, Bert

Legal owner name: Wilgenburg, Bert

Telephone no.: Landline (559) 381-1778 Cellular

6511 Flint AVE	Hanford	CA	93230
Mailing Address Number and Street	City	State	Zip Code

This owner is responsible for paying permit fees.

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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	0	295	455	525	125	0
Number under roof	2,390	0	0	0	0	0
Maximum number	2,400	310	550	600	200	0
Average number	2,390	295	455	525	125	0
Avg live weight (lbs)	1,400	1,400	900	650		

Predominant milk cow breed: Holstein

Average milk production: 91 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 81,409.12 *tons per reporting period*

Total nitrogen from manure: 1,031,799.99 *lbs per reporting period* After ammonia losses (30% loss applied): 722,259.99 *lbs per reporting period*

Total phosphorus from manure: 173,156.92 *lbs per reporting period*

Total potassium from manure: 490,681.88 *lbs per reporting period*

Total salt from manure: 1,193,166.75 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 63,894,000 *gallons*

Total nitrogen generated: 447,359.61 *lbs*

Total phosphorus generated: 51,114.50 *lbs*

Total potassium generated: 441,062.82 *lbs*

Total salt generated: 2,084,719.28 *lbs*

	60,072,000	*gallons applied*
+	3,822,000	*gallons exported*
-	0	*gallons imported*
=	63,894,000	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
Canal	Surface water
Deep Well #1	Ground water
Deep Well #10	Ground water
Deep Well #11	Ground water
Deep Well #13	Ground water

Source Description	Type
Deep Well #2	Ground water
Deep Well #3	Ground water
Deep Well #4	Ground water
Deep Well #5	Ground water
Deep Well #8	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

Date	Material type / Description	Quantity	Reporting basis	Moisture (%)	N (%)	P (%)	K (%)	Salt (%)
05/23/2023	Solid commercial fertilizer *UN 32*	69.08 *ton*	As-is	0.1	32.000000	0.000000	0.000000	0.000000

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Commercial fertilizer / Other	44,211.20	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total imports for all materials	44,211.20	0.00	0.00	0.00

G. NUTRIENT EXPORTS

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
02/01/2023	Separator solids	1,460.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
04/05/2023	Separator solids	75.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
04/27/2023	Separator solids	320.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
05/30/2023	Separator solids	2,400.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
05/31/2023	Separator solids	700.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
08/10/2023	Separator solids	900.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
08/14/2023	Separator solids	800.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
09/08/2023	Separator solids	200.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
09/30/2023	Separator solids	400.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
10/18/2023	Separator solids	1,600.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60

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Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/24/2023	Separator solids	610.00 *ton*	Dry-weight	74.9		19,900.00	2,700.00	6,600.00		10.60
12/15/2023	Compost	4,644.00 *ton*	Dry-weight	37.9		22,800.00	3,700.00	8,600.00		0.00

Date	Material type	Quantity	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Ammonia-N (mg/L)	Nitrate-N (mg/L)	P (mg/L)	K (mg/L)	EC (µmhos/cm)	TDS (mg/L)
01/01/2023	Process wastewater	441,000.00 *gal*	737.00	47.60	0.00	1.40	0.85	889.00		3,920
02/28/2023	Process wastewater	720,000.00 *gal*	725.00	487.00	0.00	1.50	84.80	781.00		4,280
05/14/2023	Process wastewater	1,413,000.00 *gal*	813.00	408.00	0.00	1.00	86.60	805.00		3,920
08/19/2023	Process wastewater	1,248,000.00 *gal*	1,100.00	762.00	0.00	1.30	171.00	929.00		3,650

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	226,060.39	34,169.90	80,962.93	503,651.58
Process wastewater	28,150.35	3,314.67	27,131.48	124,377.89
Total exports for all materials	254,210.74	37,484.57	108,094.41	628,029.47

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Field 1	49	49	2	process wastewater	X014-X120-X001-XXXX
Field 2	30	30	2	process wastewater	X014-X120-X001-XXXX
Field 3	30	30	2	process wastewater	X014-X120-X001-XXXX
Field 4	49	49	2	process wastewater	X014-X120-X001-XXXX
Field 5	35	35	2	process wastewater	X014-X120-X014-XXXX
Field 70	10	10	2	process wastewater	X014-X009-X036-XXXX
Field 71	27	27	2	process wastewater	X014-X009-X036-XXXX
Field 72	40	40	2	process wastewater	X014-X090-X037-XXXX
Field 73	39	39	2	process wastewater	X014-X090-X037-XXXX
Field 74	76	76	2	process wastewater	X014-X090-X037-XXXX
Field 75	47	47	2	process wastewater	X014-X090-X037-XXXX
Field 76	77	77	2	process wastewater	X014-X060-X010-XXXX
Field 77	76	76	2	process wastewater	X014-X090-X012-XXXX
Field 78	76	76	2	process wastewater	X014-X100-X022-XXXX
Field 79	76	76	2	process wastewater	X014-X100-X022-XXXX
Totals for areas that were used for application	737	737	30		
Totals for areas that were not used for application					
Land application area totals	737	737	30		

B. CROPS AND HARVESTS

Field 1

Field name: Field 1

10/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 49 Plant date: 10/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	787.19 *ton*	As-is		60.0	7,700.00	2,900.00	8,100.00		5.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	16.07	247.40	93.18	260.25	668.31

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Field 1

05/23/2023: Corn, silage

Crop: Corn, silage Acres planted: 49 Plant date: 05/23/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/13/2023	1,550.40 *ton*	As-is		66.2	4,700.00	800.00	6,600.00		6.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	31.64	297.42	50.63	417.66	1,475.85

Field 2

Field name: Field 2

11/06/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 30 Plant date: 11/06/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	600.52 *ton*	As-is		65.6	6,200.00	1,300.00	9,000.00		0.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	20.02	248.21	52.05	360.31	110.18

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 30 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 (%)
09/20/2023	863.00 *ton*	As-is		66.2	5,000.00	800.00	5,600.00		6.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	28.77	287.67	46.03	322.19	1,166.78

Field 3

Field name: Field 3

10/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 30 Plant date: 10/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	786.79 *ton*	As-is		70.4	5,200.00	1,300.00	8,200.00		9.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	26.23	272.75	68.19	430.11	1,412.87

05/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 30 Plant date: 05/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/02/2023	886.61 *ton*	As-is		73.3	4,400.00	900.00	5,400.00		7.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	29.55	260.07	53.20	319.18	1,104.72

Field 4

Field name: Field 4

10/20/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 49 Plant date: 10/20/2022

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	746.81 *ton*	As-is		69.7	5,100.00	1,400.00	7,900.00		9.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	15.24	155.46	42.67	240.81	877.43

Field 4

05/20/2023: Corn, silage

Crop: Corn, silage Acres planted: 49 Plant date: 05/20/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/06/2023	1,588.05 *ton*	As-is		69.7	4,600.00	800.00	4,600.00		6.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	32.41	298.16	51.85	298.16	1,178.40

Field 5

Field name: Field 5

11/06/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 35 Plant date: 11/06/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/13/2023	669.73 *ton*	As-is		64.7	5,500.00	900.00	8,400.00		8.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	19.14	210.49	34.44	321.47	1,175.32

06/02/2023: Corn, silage

Crop: Corn, silage Acres planted: 35 Plant date: 06/02/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/20/2023	1,013.08 *ton*	As-is		69.5	3,900.00	600.00	5,300.00		6.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	28.95	225.77	34.73	306.82	1,165.33

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Field 70

Field name: Field 70

11/10/2022: Wheat, silage, soft dough

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

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	143.09 *ton*	As-is		69.4	5,200.00	800.00	7,000.00		9.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	14.31	148.81	22.89	200.33	831.93

05/26/2023: Corn, silage

Crop: Corn, silage Acres planted: 10 Plant date: 05/26/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/07/2023	174.14 *ton*	As-is		67.0	3,800.00	600.00	4,300.00		5.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	17.41	132.35	20.90	149.76	655.11

Field 71

Field name: Field 71

10/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 27 Plant date: 10/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	688.26 *ton*	As-is		68.7	5,900.00	1,100.00	8,800.00		9.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	25.49	300.80	56.08	448.64	1,531.91

Field 71

05/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 27 Plant date: 05/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/12/2023	879.64 *ton*	As-is		69.5	3,800.00	800.00	5,400.00		6.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	32.58	247.60	52.13	351.86	1,291.77

Field 72

Field name: Field 72

10/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 40 Plant date: 10/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	1,117.30 *ton*	As-is		69.7	5,300.00	1,200.00	8,800.00		9.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	27.93	296.08	67.04	491.61	1,557.29

05/19/2023: Corn, silage

Crop: Corn, silage Acres planted: 40 Plant date: 05/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/07/2023	1,198.70 *ton*	As-is		69.6	4,200.00	700.00	450.00		6.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	29.97	251.73	41.95	26.97	1,257.20

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Field 73

Field name: Field 73

10/26/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 39 Plant date: 10/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	827.77 *ton*	As-is		66.5	4,500.00	1,200.00	7,300.00		9.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	21.22	191.02	50.94	309.88	1,294.08

06/16/2023: Corn, silage

Crop: Corn, silage Acres planted: 39 Plant date: 06/16/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	1,003.52 *ton*	As-is		66.7	4,500.00	900.00	4,800.00		6.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	25.73	231.58	46.32	247.02	1,062.50

Field 74

Field name: Field 74

10/26/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 76 Plant date: 10/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	1,774.97 *ton*	As-is		69.9	6,000.00	3,500.00	11,700.00		10.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	23.35	280.26	163.48	546.50	1,448.14

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Field 74

06/09/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 06/09/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	2,474.47 *ton*	As-is		70.5	3,900.00	800.00	4,800.00		6.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	32.56	253.96	52.09	312.56	1,171.79

Field 75

Field name: Field 75

10/20/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 47 Plant date: 10/20/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/13/2023	1,292.86 *ton*	As-is		69.8	4,600.00	1,200.00	9,000.00		9.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	27.51	253.07	66.02	495.14	1,628.23

06/06/2023: Corn, silage

Crop: Corn, silage Acres planted: 47 Plant date: 06/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	1,630.09 *ton*	As-is		69.5	4,000.00	1,000.00	4,900.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	34.68	277.46	69.37	339.89	1,417.48

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Field 76

Field name: Field 76

10/20/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 77 Plant date: 10/20/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/12/2023	2,061.49 *ton*	As-is		69.7	5,000.00	1,300.00	7,800.00		9.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	26.77	267.73	69.61	417.65	1,606.20

05/29/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 05/29/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/17/2023	2,171.96 *ton*	As-is		63.8	4,800.00	2,800.00	5,400.00		5.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	28.21	270.79	157.96	304.64	1,143.64

Field 77

Field name: Field 77

11/16/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 76 Plant date: 11/16/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/13/2023	1,765.95 *ton*	As-is		64.5	4,300.00	800.00	800.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	23.24	199.83	37.18	37.18	1,484.79

Field 77

05/30/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 05/30/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/17/2023	2,464.63 *ton*	As-is		67.1	4,300.00	800.00	4,500.00		5.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	32.43	278.89	51.89	291.86	1,216.29

Field 78

Field name: Field 78

10/15/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 76 Plant date: 10/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/10/2023	2,039.69 *ton*	As-is		68.9	5,600.00	1,400.00	7,800.00		11.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	26.84	300.59	75.15	418.67	1,836.26

05/24/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 05/24/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/12/2023	2,668.42 *ton*	As-is		68.2	4,300.00	700.00	4,700.00		6.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	35.11	301.95	49.16	330.04	1,384.49

Field 79

Field name: Field 79

11/04/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 76 Plant date: 11/04/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/13/2023	1,611.18 *ton*	As-is		64.4	5,700.00	800.00	7,000.00		8.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	255.60	43.20	149.40	0.00
Total actual harvest content	21.20	241.68	33.92	296.80	1,313.20

06/14/2023: Corn, silage

Crop: Corn, silage Acres planted: 76 Plant date: 06/14/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/12/2023	2,490.44 *ton*	As-is		70.0	3,700.00	800.00	4,600.00		5.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	280.80	54.60	171.60	0.00
Total actual harvest content	32.77	242.49	52.43	301.47	1,160.02

NUTRIENT BUDGET

A. LAND APPLICATIONS

Field 1 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 1

Crop: Wheat, silage, soft dough Plant date: 10/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/29/2022	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
Wastewater	Process wastewater	78.85	12.01	82.09	499.47	780,000.00 *gal*
Deep Well #5	Ground water	0.80	0.00	0.00	125.29	4,680,000.00 *gal*
Application event totals		79.65	12.01	82.09	624.77	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/05/2022	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	72.43	0.08	87.21	384.54	576,000.00 *gal*
Canal	Surface water	0.59	0.00	0.00	21.78	3,456,000.00 *gal*
Application event totals		73.02	0.08	87.21	406.31	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/24/2023	Surface (irrigation)	Light rain	Steady rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	69.78	8.15	75.02	411.11	564,000.00 *gal*
Canal	Surface water	0.58	0.00	0.00	21.32	3,384,000.00 *gal*
Application event totals		70.36	8.15	75.02	432.43	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	86.50	9.20	85.55	416.58	624,000.00 *gal*
Canal	Surface water	0.64	0.00	0.00	23.59	3,744,000.00 *gal*
Application event totals		87.14	9.20	85.55	440.17	

Field 1 - 05/23/2023: Corn, silage

Field 1 - 05/23/2023: Corn, silage

Field name: Field 1

Crop: Corn, silage Plant date: 05/23/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/11/2023	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
Wastewater	Process wastewater	101.06	10.75	99.94	486.68	729,000.00 *gal*
Canal	Surface water	1.24	0.00	0.00	45.82	7,272,000.00 *gal*
Application event totals		102.30	10.75	99.94	532.50	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/23/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/18/2023	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	1.12	0.00	0.00	41.29	6,552,000.00 *gal*
Application event totals		1.12	0.00	0.00	41.29	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/01/2023	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	1.07	0.00	0.00	39.47	6,264,000.00 *gal*
Application event totals		1.07	0.00	0.00	39.47	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/14/2023	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
Wastewater	Process wastewater	123.23	19.13	103.95	408.40	657,000.00 *gal*
Canal	Surface water	1.12	0.00	0.00	41.29	6,552,000.00 *gal*
Application event totals		124.34	19.13	103.95	449.69	

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Field 1 - 05/23/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	1.03	0.00	0.00	38.11	6,048,000.00 *gal*
Application event totals		1.03	0.00	0.00	38.11	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	113.10	17.56	95.40	374.84	603,000.00 *gal*
Canal	Surface water	1.12	0.00	0.00	41.29	6,552,000.00 *gal*
Application event totals		114.21	17.56	95.40	416.12	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/18/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.02	0.00	0.00	37.66	5,976,000.00 *gal*
Application event totals		1.02	0.00	0.00	37.66	

Field 2 - 11/06/2022: Wheat, silage, soft dough

Field name: Field 2

Crop: Wheat, silage, soft dough Plant date: 11/06/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/10/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	93.66	0.11	112.76	497.23	456,000.00 *gal*
Deep Well #5	Ground water	0.76	0.00	0.00	119.64	2,736,000.00 *gal*
Application event totals		94.42	0.11	112.76	616.87	

Field 2 - 11/06/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/10/2023	Surface (irrigation)	Steady rain	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	72.75	8.49	78.21	428.60	360,000.00 *gal*
Canal	Surface water	0.60	0.00	0.00	22.23	2,160,000.00 *gal*
Application event totals		73.35	8.49	78.21	450.83	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/01/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	75.18	8.77	83.30	442.89	372,000.00 *gal*
Canal	Surface water	0.62	0.00	0.00	22.97	2,232,000.00 *gal*
Application event totals		75.80	8.77	83.30	465.86	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/07/2023	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
Wastewater	Process wastewater	89.67	9.54	88.67	431.80	396,000.00 *gal*
Canal	Surface water	0.66	0.00	0.00	24.45	2,376,000.00 *gal*
Application event totals		90.33	9.54	88.67	456.26	

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

Field name: Field 2

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/19/2023	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
Wastewater	Process wastewater	101.89	10.84	100.77	490.69	450,000.00 *gal*
Canal	Surface water	1.50	0.00	0.00	55.58	5,400,000.00 *gal*
Application event totals		103.39	10.84	100.77	546.26	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/01/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

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	1.40	0.00	0.00	51.87	5,040,000.00 *gal*
Application event totals		1.40	0.00	0.00	51.87	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/07/2023	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
Wastewater	Process wastewater	85.47	13.27	72.10	283.27	279,000.00 *gal*
Canal	Surface water	0.94	0.00	0.00	34.83	3,384,000.00 *gal*
Application event totals		86.41	13.27	72.10	318.10	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.12	0.00	0.00	41.50	4,032,000.00 *gal*
Application event totals		1.12	0.00	0.00	41.50	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/01/2023	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	1.20	0.00	0.00	44.46	4,320,000.00 *gal*
Application event totals		1.20	0.00	0.00	44.46	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	85.47	13.27	72.10	283.27	279,000.00 *gal*
Canal	Surface water	0.94	0.00	0.00	34.83	3,384,000.00 *gal*
Application event totals		86.41	13.27	72.10	318.10	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	0.90	0.00	0.00	33.35	3,240,000.00 *gal*
Application event totals		0.90	0.00	0.00	33.35	

Field 3 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 3

Crop: Wheat, silage, soft dough Plant date: 10/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/05/2022	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
Wastewater	Process wastewater	96.13	0.11	115.73	510.31	468,000.00 *gal*
Deep Well #5	Ground water	0.78	0.00	0.00	122.79	2,808,000.00 *gal*
Application event totals		96.91	0.11	115.73	633.10	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/20/2022	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
Wastewater	Process wastewater	71.48	0.08	86.06	379.46	348,000.00 *gal*
Canal	Surface water	0.58	0.00	0.00	21.49	2,088,000.00 *gal*
Application event totals		72.06	0.08	86.06	400.95	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/26/2023	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	72.75	8.49	78.21	428.60	360,000.00 *gal*
Canal	Surface water	0.60	0.00	0.00	22.23	2,160,000.00 *gal*
Application event totals		73.35	8.49	78.21	450.83	

Field 3 - 10/24/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/06/2023	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
Wastewater	Process wastewater	97.82	10.41	96.74	471.06	432,000.00 *gal*
Canal	Surface water	0.72	0.00	0.00	26.68	2,592,000.00 *gal*
Application event totals		98.54	10.41	96.74	497.74	

Field 3 - 05/25/2023: Corn, silage

Field name: Field 3

Crop: Corn, silage Plant date: 05/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/16/2023	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
Wastewater	Process wastewater	97.82	10.41	96.74	471.06	432,000.00 *gal*
Canal	Surface water	1.68	0.00	0.00	62.25	6,048,000.00 *gal*
Application event totals		99.50	10.41	96.74	533.31	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/25/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/23/2023	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	1.34	0.00	0.00	49.65	4,824,000.00 *gal*
Application event totals		1.34	0.00	0.00	49.65	

Field 3 - 05/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	88.23	13.70	74.42	292.41	288,000.00 *gal*
Canal	Surface water	1.40	0.00	0.00	51.87	5,040,000.00 *gal*
Application event totals		89.63	13.70	74.42	344.28	

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	1.08	0.00	0.00	40.02	3,888,000.00 *gal*
Application event totals		1.08	0.00	0.00	40.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	90.98	14.13	76.75	301.55	297,000.00 *gal*
Canal	Surface water	1.16	0.00	0.00	42.98	4,176,000.00 *gal*
Application event totals		92.15	14.13	76.75	344.53	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.20	0.00	0.00	44.46	4,320,000.00 *gal*
Application event totals		1.20	0.00	0.00	44.46	

Field 4 - 10/20/2022: Wheat, silage, soft dough

Field name: Field 4

Crop: Wheat, silage, soft dough Plant date: 10/20/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 4 - 10/20/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/23/2022	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
Wastewater	Process wastewater	75.21	11.45	78.31	476.42	744,000.00 *gal*
Deep Well #5	Ground water	0.76	0.00	0.00	119.51	4,464,000.00 *gal*
Application event totals		75.97	11.45	78.31	595.93	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/30/2022	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
Wastewater	Process wastewater	65.64	0.08	79.03	348.49	522,000.00 *gal*
Canal	Surface water	0.71	0.00	0.00	26.31	4,176,000.00 *gal*
Application event totals		66.35	0.08	79.03	374.80	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/21/2023	Surface (irrigation)	No precipitation	No precipitation	Light rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	52.34	6.11	56.26	308.33	423,000.00 *gal*
Canal	Surface water	0.58	0.00	0.00	21.32	3,384,000.00 *gal*
Application event totals		52.91	6.11	56.26	329.65	

Field 4 - 05/20/2023: Corn, silage

Field name: Field 4

Crop: Corn, silage Plant date: 05/20/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/07/2023	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
Wastewater	Process wastewater	113.54	12.08	112.28	546.76	819,000.00 *gal*
Canal	Surface water	1.12	0.00	0.00	41.29	6,552,000.00 *gal*
Application event totals		114.65	12.08	112.28	588.05	

Field 4 - 05/20/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/20/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/15/2023	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	1.26	0.00	0.00	46.73	7,416,000.00 *gal*
Application event totals		1.26	0.00	0.00	46.73	

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
Wastewater	Process wastewater	88.58	9.42	87.60	426.60	639,000.00 *gal*
Canal	Surface water	1.09	0.00	0.00	40.38	6,408,000.00 *gal*
Application event totals		89.68	9.42	87.60	466.98	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.10	0.00	0.00	40.83	6,480,000.00 *gal*
Application event totals		1.10	0.00	0.00	40.83	

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	1.01	0.00	0.00	37.20	5,904,000.00 *gal*
Application event totals		1.01	0.00	0.00	37.20	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	113.10	17.56	95.40	374.84	603,000.00 *gal*
Canal	Surface water	1.03	0.00	0.00	38.11	6,048,000.00 *gal*
Application event totals		114.13	17.56	95.40	412.95	

Field 4 - 05/20/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/16/2023	Surface (irrigation)	No precipitation	No precipitation	Light rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.04	0.00	0.00	38.56	6,120,000.00 *gal*
Application event totals		1.04	0.00	0.00	38.56	

Field 5 - 11/06/2022: Wheat, silage, soft dough

Field name: Field 5

Crop: Wheat, silage, soft dough Plant date: 11/06/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/06/2022	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
Wastewater	Process wastewater	92.96	0.11	111.92	493.49	528,000.00 *gal*
Deep Well #5	Ground water	0.76	0.00	0.00	118.74	3,168,000.00 *gal*
Application event totals		93.71	0.11	111.92	612.23	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/02/2023	Surface (irrigation)	No precipitation	Light rain	Light rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	56.12	6.55	60.33	330.63	324,000.00 *gal*
Canal	Surface water	0.62	0.00	0.00	22.87	2,592,000.00 *gal*
Application event totals		56.74	6.55	60.33	353.50	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/28/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	60.80	7.10	65.36	358.19	351,000.00 *gal*
Canal	Surface water	0.67	0.00	0.00	24.77	2,808,000.00 *gal*
Application event totals		61.47	7.10	65.36	382.96	

Field 5 - 11/06/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/10/2023	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
Wastewater	Process wastewater	69.87	7.43	69.10	336.47	360,000.00 *gal*
Canal	Surface water	0.69	0.00	0.00	25.41	2,880,000.00 *gal*
Application event totals		70.56	7.43	69.10	361.88	

Field 5 - 06/02/2023: Corn, silage

Field name: Field 5

Crop: Corn, silage Plant date: 06/02/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/22/2023	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
Wastewater	Process wastewater	71.62	7.62	70.82	344.88	369,000.00 *gal*
Canal	Surface water	1.41	0.00	0.00	52.08	5,904,000.00 *gal*
Application event totals		73.02	7.62	70.82	396.97	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/02/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

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	1.65	0.00	0.00	60.98	6,912,000.00 *gal*
Application event totals		1.65	0.00	0.00	60.98	

Field 5 - 06/02/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	75.62	11.74	63.79	250.64	288,000.00 *gal*
Canal	Surface water	1.10	0.00	0.00	40.65	4,608,000.00 *gal*
Application event totals		76.72	11.74	63.79	291.29	

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
Canal	Surface water	1.27	0.00	0.00	47.00	5,328,000.00 *gal*
Application event totals		1.27	0.00	0.00	47.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	77.99	12.11	65.79	258.47	297,000.00 *gal*
Canal	Surface water	1.13	0.00	0.00	41.92	4,752,000.00 *gal*
Application event totals		79.12	12.11	65.79	300.39	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/17/2023	Shank	No precipitation	Light rain	Light rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.20	0.00	0.00	44.46	5,040,000.00 *gal*
Application event totals		1.20	0.00	0.00	44.46	

Field 70 - 11/10/2022: Wheat, silage, soft dough

Field name: Field 70

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 70 - 11/10/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/11/2022	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
Wastewater	Process wastewater	77.64	0.09	93.48	412.18	126,000.00 *gal*
Deep Well #10	Ground water	2.38	0.00	0.00	171.31	1,296,000.00 *gal*
Application event totals		80.02	0.09	93.48	583.49	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	0.54	0.00	0.00	20.01	648,000.00 *gal*
Application event totals		0.54	0.00	0.00	20.01	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/26/2023	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	49.91	0.06	60.09	264.97	81,000.00 *gal*
Canal	Surface water	0.54	0.00	0.00	20.01	648,000.00 *gal*
Application event totals		50.45	0.06	60.09	284.98	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/20/2023	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
Wastewater	Process wastewater	61.14	6.50	60.46	294.41	90,000.00 *gal*
Canal	Surface water	0.60	0.00	0.00	22.23	720,000.00 *gal*
Application event totals		61.74	6.50	60.46	316.64	

Field 70 - 05/26/2023: Corn, silage

Field name: Field 70

Crop: Corn, silage Plant date: 05/26/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 70 - 05/26/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/16/2023	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
Wastewater	Process wastewater	61.14	6.50	60.46	294.41	90,000.00 *gal*
Canal	Surface water	1.17	0.00	0.00	43.35	1,404,000.00 *gal*
Application event totals		62.31	6.50	60.46	337.76	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/26/2023	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
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/20/2023	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	1.26	0.00	0.00	46.69	1,512,000.00 *gal*
Application event totals		1.26	0.00	0.00	46.69	

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
Wastewater	Process wastewater	74.44	11.56	62.80	246.72	81,000.00 *gal*
Canal	Surface water	0.96	0.00	0.00	35.57	1,152,000.00 *gal*
Application event totals		75.40	11.56	62.80	282.29	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/14/2023	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	1.08	0.00	0.00	40.02	1,296,000.00 *gal*
Application event totals		1.08	0.00	0.00	40.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/27/2023	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	1.02	0.00	0.00	37.79	1,224,000.00 *gal*
Application event totals		1.02	0.00	0.00	37.79	

Field 70 - 05/26/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Canal	Surface water	1.08	0.00	0.00	40.02	1,296,000.00 *gal*
Application event totals		1.08	0.00	0.00	40.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.17	0.00	0.00	43.35	1,404,000.00 *gal*
Application event totals		1.17	0.00	0.00	43.35	

Field 71 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 71

Crop: Wheat, silage, soft dough Plant date: 10/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/29/2022	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
Wastewater	Process wastewater	82.56	12.57	85.95	522.95	450,000.00 *gal*
Deep Well #10	Ground water	2.45	0.00	0.00	176.25	3,600,000.00 *gal*
Application event totals		85.01	12.57	85.95	699.20	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/04/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	72.75	8.49	78.21	428.60	324,000.00 *gal*
Canal	Surface water	0.80	0.00	0.00	29.64	2,592,000.00 *gal*
Application event totals		73.55	8.49	78.21	458.24	

Field 71 - 10/24/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/24/2023	Surface (irrigation)	Light rain	Steady rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	70.73	8.26	76.04	416.69	315,000.00 *gal*
Canal	Surface water	0.78	0.00	0.00	28.82	2,520,000.00 *gal*
Application event totals		71.51	8.26	76.04	445.51	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	90.57	9.64	89.57	436.17	360,000.00 *gal*
Canal	Surface water	0.89	0.00	0.00	32.93	2,880,000.00 *gal*
Application event totals		91.46	9.64	89.57	469.10	

Field 71 - 05/25/2023: Corn, silage

Field name: Field 71

Crop: Corn, silage Plant date: 05/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/13/2023	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	1.48	0.00	0.00	54.75	4,788,000.00 *gal*
Application event totals		1.48	0.00	0.00	54.75	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/25/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Field 71 - 05/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/17/2023	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	1.60	0.00	0.00	59.28	5,184,000.00 *gal*
Application event totals		1.60	0.00	0.00	59.28	

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
Wastewater	Process wastewater	91.90	14.27	77.53	304.59	270,000.00 *gal*
Canal	Surface water	1.17	0.00	0.00	43.23	3,780,000.00 *gal*
Application event totals		93.07	14.27	77.53	347.82	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.20	0.00	0.00	44.46	3,888,000.00 *gal*
Application event totals		1.20	0.00	0.00	44.46	

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
Wastewater	Process wastewater	113.35	17.60	95.61	375.66	333,000.00 *gal*
Canal	Surface water	1.45	0.00	0.00	53.52	4,680,000.00 *gal*
Application event totals		114.79	17.60	95.61	429.18	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	0.73	0.00	0.00	27.17	2,376,000.00 *gal*
Application event totals		0.73	0.00	0.00	27.17	

Field 71 - 05/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	61.27	9.51	51.68	203.06	180,000.00 *gal*
Canal	Surface water	0.78	0.00	0.00	28.82	2,520,000.00 *gal*
Application event totals		62.05	9.51	51.68	231.88	

Field 72 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 72

Crop: Wheat, silage, soft dough Plant date: 10/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/28/2022	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
Wastewater	Process wastewater	96.60	14.71	100.57	611.86	780,000.00 *gal*
Deep Well #1	Ground water	1.30	0.00	0.00	231.20	6,240,000.00 *gal*
Application event totals		97.90	14.71	100.57	843.06	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/20/2022	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
Wastewater	Process wastewater	86.88	0.10	104.60	461.24	564,000.00 *gal*
Canal	Surface water	0.71	0.00	0.00	26.12	3,384,000.00 *gal*
Application event totals		87.59	0.10	104.60	487.37	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/01/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	76.39	8.92	82.12	450.03	504,000.00 *gal*
Canal	Surface water	0.63	0.00	0.00	23.34	3,024,000.00 *gal*
Application event totals		77.02	8.92	82.12	473.37	

Field 72 - 10/24/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	110.04	11.71	108.83	529.94	648,000.00 *gal*
Canal	Surface water	0.81	0.00	0.00	30.01	3,888,000.00 *gal*
Application event totals		110.85	11.71	108.83	559.95	

Field 72 - 05/19/2023: Corn, silage

Field name: Field 72

Crop: Corn, silage Plant date: 05/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/19/2023	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
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Canal	Surface water	1.80	0.00	0.00	66.69	8,640,000.00 *gal*
Application event totals		61.80	0.00	0.00	66.69	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/15/2023	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
Wastewater	Process wastewater	91.70	9.76	90.69	441.62	540,000.00 *gal*
Canal	Surface water	1.58	0.00	0.00	58.36	7,560,000.00 *gal*
Application event totals		93.28	9.76	90.69	499.97	

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	1.29	0.00	0.00	47.80	6,192,000.00 *gal*
Application event totals		1.29	0.00	0.00	47.80	

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Field 72 - 05/19/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	80.65	12.52	68.03	267.28	351,000.00 *gal*
Canal	Surface water	1.02	0.00	0.00	37.79	4,896,000.00 *gal*
Application event totals		81.67	12.52	68.03	305.07	

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	1.08	0.00	0.00	40.02	5,184,000.00 *gal*
Application event totals		1.08	0.00	0.00	40.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	82.71	12.84	69.77	274.13	360,000.00 *gal*
Canal	Surface water	1.05	0.00	0.00	38.90	5,040,000.00 *gal*
Application event totals		83.76	12.84	69.77	313.04	

Field 73 - 10/26/2022: Wheat, silage, soft dough

Field name: Field 73

Crop: Wheat, silage, soft dough Plant date: 10/26/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/20/2022	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
Wastewater	Process wastewater	106.18	0.12	127.83	563.66	672,000.00 *gal*
Deep Well #1	Ground water	1.15	0.00	0.00	204.30	5,376,000.00 *gal*
Application event totals		107.33	0.12	127.83	767.96	

Field 73 - 10/26/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/30/2022	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
Wastewater	Process wastewater	65.76	7.68	70.69	387.39	423,000.00 *gal*
Canal	Surface water	0.72	0.00	0.00	26.79	3,384,000.00 *gal*
Application event totals		66.48	7.68	70.69	414.18	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/15/2023	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
Wastewater	Process wastewater	83.08	8.84	82.16	400.10	477,000.00 *gal*
Canal	Surface water	0.82	0.00	0.00	30.21	3,816,000.00 *gal*
Application event totals		83.90	8.84	82.16	430.31	

Field 73 - 06/16/2023: Corn, silage

Field name: Field 73

Crop: Corn, silage Plant date: 06/16/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/01/2023	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	1.48	0.00	0.00	54.72	6,912,000.00 *gal*
Application event totals		1.48	0.00	0.00	54.72	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/16/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Field 73 - 06/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.23	0.00	0.00	45.60	5,760,000.00 *gal*
Application event totals		1.23	0.00	0.00	45.60	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	76.35	11.86	64.41	253.05	324,000.00 *gal*
Canal	Surface water	1.11	0.00	0.00	41.04	5,184,000.00 *gal*
Application event totals		77.46	11.86	64.41	294.09	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/07/2023	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
Wastewater	Process wastewater	65.75	10.21	55.46	217.90	279,000.00 *gal*
Canal	Surface water	0.96	0.00	0.00	35.34	4,464,000.00 *gal*
Application event totals		66.70	10.21	55.46	253.24	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/17/2023	Surface (irrigation)	No precipitation	Light rain	Light rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.99	0.00	0.00	36.48	4,608,000.00 *gal*
Application event totals		0.99	0.00	0.00	36.48	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	78.47	12.18	66.19	260.08	333,000.00 *gal*
Canal	Surface water	1.14	0.00	0.00	42.18	5,328,000.00 *gal*
Application event totals		79.61	12.18	66.19	302.26	

Field 73 - 06/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.08	0.00	0.00	39.90	5,040,000.00 *gal*
Application event totals		1.08	0.00	0.00	39.90	

Field 74 - 10/26/2022: Wheat, silage, soft dough

Field name: Field 74

Crop: Wheat, silage, soft dough Plant date: 10/26/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/26/2022	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
Deep Well #3	Ground water	13.65	0.00	0.00	350.24	9,072,000.00 *gal*
Application event totals		13.65	0.00	0.00	350.24	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/16/2023	Surface (irrigation)	Light rain	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	103.38	12.07	111.14	609.06	1,296,000.00 *gal*
Deep Well #3	Ground water	11.70	0.00	0.00	300.20	7,776,000.00 *gal*
Application event totals		115.08	12.07	111.14	909.27	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/13/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	99.08	11.56	106.51	583.68	1,242,000.00 *gal*
Canal	Surface water	0.55	0.00	0.00	20.18	4,968,000.00 *gal*
Application event totals		99.62	11.56	106.51	603.87	

Field 74 - 10/26/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	127.10	13.52	125.69	612.07	1,422,000.00 *gal*
Canal	Surface water	0.62	0.00	0.00	23.11	5,688,000.00 *gal*
Application event totals		127.72	13.52	125.69	635.17	

Field 74 - 06/09/2023: Corn, silage

Field name: Field 74

Crop: Corn, silage Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/25/2023	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
Wastewater	Process wastewater	81.25	8.64	80.35	391.26	909,000.00 *gal*
Canal	Surface water	1.40	0.00	0.00	51.78	12,744,000.00 *gal*
Application event totals		82.65	8.64	80.35	443.03	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/09/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

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	1.49	0.00	0.00	55.29	13,608,000.00 *gal*
Application event totals		1.49	0.00	0.00	55.29	

Field 74 - 06/09/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	97.95	15.21	82.63	324.63	810,000.00 *gal*
Canal	Surface water	1.25	0.00	0.00	46.07	11,340,000.00 *gal*
Application event totals		99.19	15.21	82.63	370.70	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/01/2023	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	1.20	0.00	0.00	44.46	10,944,000.00 *gal*
Application event totals		1.20	0.00	0.00	44.46	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/14/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	99.04	15.38	83.54	328.24	819,000.00 *gal*
Canal	Surface water	1.26	0.00	0.00	46.51	11,448,000.00 *gal*
Application event totals		100.30	15.38	83.54	374.75	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/05/2023	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
Canal	Surface water	1.33	0.00	0.00	49.32	12,140,000.00 *gal*
Application event totals		1.33	0.00	0.00	49.32	

Field 75 - 10/20/2022: Wheat, silage, soft dough

Field name: Field 75

Crop: Wheat, silage, soft dough Plant date: 10/20/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 75 - 10/20/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/22/2022	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
Wastewater	Process wastewater	75.88	11.56	79.00	480.67	720,000.00 *gal*
Deep Well #1	Ground water	1.02	0.00	0.00	181.63	5,760,000.00 *gal*
Application event totals		76.91	11.56	79.00	662.30	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/23/2022	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
Wastewater	Process wastewater	59.78	0.07	71.98	317.38	456,000.00 *gal*
Canal	Surface water	0.49	0.00	0.00	17.97	2,736,000.00 *gal*
Application event totals		60.27	0.07	71.98	335.35	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/22/2023	Surface (irrigation)	No precipitation	Light rain	Steady rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	57.27	6.69	61.57	337.41	444,000.00 *gal*
Canal	Surface water	0.47	0.00	0.00	17.50	2,664,000.00 *gal*
Application event totals		57.75	6.69	61.57	354.91	

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
Wastewater	Process wastewater	76.31	8.12	75.47	367.49	528,000.00 *gal*
Canal	Surface water	0.56	0.00	0.00	20.81	3,168,000.00 *gal*
Application event totals		76.87	8.12	75.47	388.30	

Field 75 - 06/06/2023: Corn, silage

Field name: Field 75

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 75 - 06/06/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/26/2023	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
Wastewater	Process wastewater	84.55	9.00	83.61	407.16	585,000.00 *gal*
Canal	Surface water	1.55	0.00	0.00	57.47	8,748,000.00 *gal*
Application event totals		86.10	9.00	83.61	464.63	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/06/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

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	1.76	0.00	0.00	65.27	9,936,000.00 *gal*
Application event totals		1.76	0.00	0.00	65.27	

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
Wastewater	Process wastewater	112.63	17.49	95.01	373.29	576,000.00 *gal*
Canal	Surface water	1.53	0.00	0.00	56.76	8,640,000.00 *gal*
Application event totals		114.16	17.49	95.01	430.05	

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
Canal	Surface water	1.37	0.00	0.00	50.61	7,704,000.00 *gal*
Application event totals		1.37	0.00	0.00	50.61	

Field 75 - 06/06/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/11/2023	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
Wastewater	Process wastewater	95.03	14.76	80.16	314.96	486,000.00 *gal*
Canal	Surface water	1.30	0.00	0.00	48.25	7,344,000.00 *gal*
Application event totals		96.34	14.76	80.16	363.21	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Canal	Surface water	1.34	0.00	0.00	49.67	7,560,000.00 *gal*
Application event totals		1.34	0.00	0.00	49.67	

Field 76 - 10/20/2022: Wheat, silage, soft dough

Field name: Field 76

Crop: Wheat, silage, soft dough Plant date: 10/20/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/23/2022	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
Wastewater	Process wastewater	74.88	11.40	77.96	474.33	1,164,000.00 *gal*
Deep Well #10	Ground water	1.67	0.00	0.00	119.89	6,984,000.00 *gal*
Application event totals		76.55	11.40	77.96	594.22	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
12/05/2022	Surface (irrigation)	Light rain	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	74.90	0.09	90.18	397.65	936,000.00 *gal*
Canal	Surface water	0.61	0.00	0.00	22.52	5,616,000.00 *gal*
Application event totals		75.51	0.09	90.18	420.17	

Field 76 - 10/20/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/21/2023	Surface (irrigation)	No precipitation	Light rain	Steady rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	68.03	7.94	73.13	400.77	864,000.00 *gal*
Canal	Surface water	0.56	0.00	0.00	20.79	5,184,000.00 *gal*
Application event totals		68.59	7.94	73.13	421.56	

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
Wastewater	Process wastewater	94.22	10.02	93.18	453.73	1,068,000.00 *gal*
Canal	Surface water	0.69	0.00	0.00	25.70	6,408,000.00 *gal*
Application event totals		94.91	10.02	93.18	479.42	

Field 76 - 05/29/2023: Corn, silage

Field name: Field 76

Crop: Corn, silage Plant date: 05/29/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/17/2023	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
Wastewater	Process wastewater	80.19	8.53	79.30	386.18	909,000.00 *gal*
Canal	Surface water	1.38	0.00	0.00	51.10	12,744,000.00 *gal*
Application event totals		81.57	8.53	79.30	437.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/29/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Field 76 - 05/29/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/20/2023	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	1.47	0.00	0.00	54.57	13,608,000.00 *gal*
Application event totals		1.47	0.00	0.00	54.57	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/07/2023	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	1.23	0.00	0.00	45.47	11,340,000.00 *gal*
Application event totals		1.23	0.00	0.00	45.47	

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
Wastewater	Process wastewater	93.46	14.51	78.83	309.73	783,000.00 *gal*
Canal	Surface water	1.19	0.00	0.00	43.88	10,944,000.00 *gal*
Application event totals		94.64	14.51	78.83	353.62	

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
Canal	Surface water	1.24	0.00	0.00	45.91	11,448,000.00 *gal*
Application event totals		1.24	0.00	0.00	45.91	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	104.20	16.18	87.90	345.34	873,000.00 *gal*
Canal	Surface water	1.33	0.00	0.00	49.08	12,240,000.00 *gal*
Application event totals		105.52	16.18	87.90	394.42	

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	1.23	0.00	0.00	45.62	11,376,000.00 *gal*
Application event totals		1.23	0.00	0.00	45.62	

Field 77 - 11/16/2022: Wheat, silage, soft dough

Field name: Field 77

Crop: Wheat, silage, soft dough — Plant date: 11/16/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/17/2022	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
Wastewater	Process wastewater	70.05	0.08	84.34	371.89	864,000.00 *gal*
Deep Well #13	Ground water	3.85	0.00	0.00	325.14	12,096,000.00 *gal*
Application event totals		73.90	0.08	84.34	697.02	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/25/2023	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
Wastewater	Process wastewater	56.72	6.62	60.97	334.14	711,000.00 *gal*
Canal	Surface water	0.68	0.00	0.00	25.03	6,162,000.00 *gal*
Application event totals		57.39	6.62	60.97	359.17	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/25/2023	Surface (irrigation)	Steady rain	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	56.00	6.54	60.20	329.91	702,000.00 *gal*
Canal	Surface water	0.67	0.00	0.00	24.72	6,084,000.00 *gal*
Application event totals		56.67	6.54	60.20	354.63	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/14/2023	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
Wastewater	Process wastewater	69.98	7.45	69.21	337.02	783,000.00 *gal*
Canal	Surface water	0.75	0.00	0.00	27.57	6,786,000.00 *gal*
Application event totals		70.73	7.45	69.21	364.59	

Field 77 - 05/30/2023: Corn, silage

Field name: Field 77

Crop: Corn, silage — Plant date: 05/30/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 77 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/19/2023	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
Wastewater	Process wastewater	88.49	9.41	87.51	426.12	990,000.00 *gal*
Canal	Surface water	1.41	0.00	0.00	52.29	12,870,000.00 *gal*
Application event totals		89.90	9.41	87.51	478.41	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/30/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/23/2023	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	1.30	0.00	0.00	48.01	11,817,000.00 *gal*
Application event totals		1.30	0.00	0.00	48.01	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	101.21	15.72	85.38	335.45	837,000.00 *gal*
Canal	Surface water	1.20	0.00	0.00	44.36	10,920,000.00 *gal*
Application event totals		102.41	15.72	85.38	379.82	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.22	0.00	0.00	45.32	11,154,000.00 *gal*
Application event totals		1.22	0.00	0.00	45.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/01/2023	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	1.17	0.00	0.00	43.41	10,686,000.00 *gal*
Application event totals		1.17	0.00	0.00	43.41	

Field 77 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	99.04	15.38	83.54	328.24	819,000.00 *gal*
Canal	Surface water	1.20	0.00	0.00	44.36	10,920,000.00 *gal*
Application event totals		100.24	15.38	83.54	372.60	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	1.28	0.00	0.00	47.22	11,622,000.00 *gal*
Application event totals		1.28	0.00	0.00	47.22	

Field 78 - 10/15/2022: Wheat, silage, soft dough

Field name: Field 78

Crop: Wheat, silage, soft dough Plant date: 10/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/21/2022	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
Wastewater	Process wastewater	71.96	10.96	74.92	455.80	1,104,000.00 *gal*
Deep Well #13	Ground water	3.69	0.00	0.00	311.59	11,592,000.00 *gal*
Application event totals		75.65	10.96	74.92	767.38	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/15/2022	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
Wastewater	Process wastewater	78.81	0.09	94.88	418.37	972,000.00 *gal*
Canal	Surface water	0.69	0.00	0.00	25.67	6,318,000.00 *gal*
Application event totals		79.50	0.09	94.88	444.04	

Field 78 - 10/15/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/21/2023	Surface (irrigation)	No precipitation	Light rain	Steady rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	82.32	9.61	88.50	484.99	1,032,000.00 *gal*
Canal	Surface water	0.74	0.00	0.00	27.25	6,708,000.00 *gal*
Application event totals		83.06	9.61	88.50	512.25	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	92.24	9.81	91.22	444.20	1,032,000.00 *gal*
Canal	Surface water	0.74	0.00	0.00	27.25	6,708,000.00 *gal*
Application event totals		92.98	9.81	91.22	471.45	

Field 78 - 05/24/2023: Corn, silage

Field name: Field 78

Crop: Corn, silage Plant date: 05/24/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/12/2023	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
Wastewater	Process wastewater	92.51	9.84	91.48	445.49	1,035,000.00 *gal*
Canal	Surface water	1.48	0.00	0.00	54.82	13,494,000.00 *gal*
Application event totals		93.99	9.84	91.48	500.31	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/24/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN 32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Field 78 - 05/24/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/16/2023	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	1.35	0.00	0.00	49.91	12,285,000.00 *gal*
Application event totals		1.35	0.00	0.00	49.91	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/01/2023	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
Wastewater	Process wastewater	100.13	15.55	84.46	331.85	828,000.00 *gal*
Canal	Surface water	1.18	0.00	0.00	43.73	10,764,000.00 *gal*
Application event totals		101.31	15.55	84.46	375.58	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/14/2023	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	1.16	0.00	0.00	42.78	10,530,000.00 *gal*
Application event totals		1.16	0.00	0.00	42.78	

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
Wastewater	Process wastewater	94.68	14.70	79.87	313.81	783,000.00 *gal*
Canal	Surface water	1.12	0.00	0.00	41.51	10,218,000.00 *gal*
Application event totals		95.81	14.70	79.87	355.32	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Canal	Surface water	1.18	0.00	0.00	43.73	10,764,000.00 *gal*
Application event totals		1.18	0.00	0.00	43.73	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/16/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.28	0.00	0.00	47.22	11,622,000.00 *gal*
Application event totals		1.28	0.00	0.00	47.22	

Field 79 - 11/04/2022: Wheat, silage, soft dough

Field name: Field 79

Crop: Wheat, silage, soft dough — Plant date: 11/04/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/07/2022	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	93.40	0.11	112.45	495.85	1,152,000.00 *gal*
Deep Well #13	Ground water	3.85	0.00	0.00	325.14	12,096,000.00 *gal*
Application event totals		97.25	0.11	112.45	820.99	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/25/2023	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
Wastewater	Process wastewater	75.62	8.83	81.30	445.52	948,000.00 *gal*
Canal	Surface water	0.68	0.00	0.00	25.03	6,162,000.00 *gal*
Application event totals		76.30	8.83	81.30	470.55	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/01/2023	Surface (irrigation)	No precipitation	Light rain	Light rain

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	58.15	6.79	62.52	342.60	729,000.00 *gal*
Canal	Surface water	0.69	0.00	0.00	25.67	6,318,000.00 *gal*
Application event totals		58.85	6.79	62.52	368.27	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
04/10/2023	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
Wastewater	Process wastewater	67.57	7.19	66.82	325.40	756,000.00 *gal*
Canal	Surface water	0.72	0.00	0.00	26.62	6,552,000.00 *gal*
Application event totals		68.29	7.19	66.82	352.02	

Field 79 - 06/14/2023: Corn, silage

Field name: Field 79

Crop: Corn, silage — Plant date: 06/14/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

Field 79 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/05/2023	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
Wastewater	Process wastewater	67.57	7.19	66.82	325.40	756,000.00 *gal*
Canal	Surface water	1.35	0.00	0.00	50.07	12,324,000.00 *gal*
Application event totals		68.92	7.19	66.82	375.47	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/14/2023	Sidedress	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN32	Solid commercial fertilizer	60.00	0.00	0.00	0.00	
Application event totals		60.00	0.00	0.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.25	0.00	0.00	46.27	11,388,000.00 *gal*
Application event totals		1.25	0.00	0.00	46.27	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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	1.20	0.00	0.00	44.36	10,920,000.00 *gal*
Application event totals		1.20	0.00	0.00	44.36	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	85.98	13.35	72.53	284.95	711,000.00 *gal*
Canal	Surface water	1.27	0.00	0.00	47.06	11,583,000.00 *gal*
Application event totals		87.25	13.35	72.53	332.01	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/19/2023	Surface (irrigation)	No precipitation	Light rain	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.25	0.00	0.00	46.27	11,388,000.00 *gal*
Application event totals		1.25	0.00	0.00	46.27	

Field 79 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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
Wastewater	Process wastewater	80.54	12.50	67.94	266.92	666,000.00 *gal*
Canal	Surface water	1.20	0.00	0.00	44.36	10,920,000.00 *gal*
Application event totals		81.74	12.50	67.94	311.28	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	1.28	0.00	0.00	47.22	11,622,000.00 *gal*
Application event totals		1.28	0.00	0.00	47.22	

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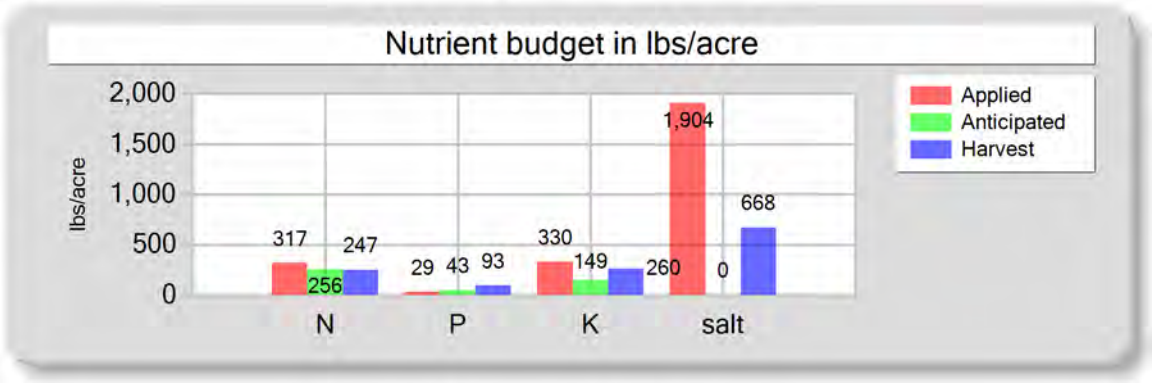
B. NUTRIENT BUDGET

Field 1 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 1 Crop: Wheat, silage, soft dough Plant date: 10/24/2022



	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	307.57	29.44	329.87	1,711.70
Fresh water	2.60	0.00	0.00	191.99
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	317.17	29.44	329.87	1,903.69
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	247.40	93.18	260.25	668.31
Nutrient balance	69.77	-63.74	69.61	1,235.38
Applied to removed ratio	1.28	0.32	1.27	2.85

Fresh water applied	
15,264,000.00	*gallons*
562.12	*acre-inches*
11.47	*inches/acre*

Process wastewater applied	
2,544,000.00	*gallons*
93.69	*acre-inches*
1.91	*inches/acre*

Total harvests for the crop	
1	*harvests*

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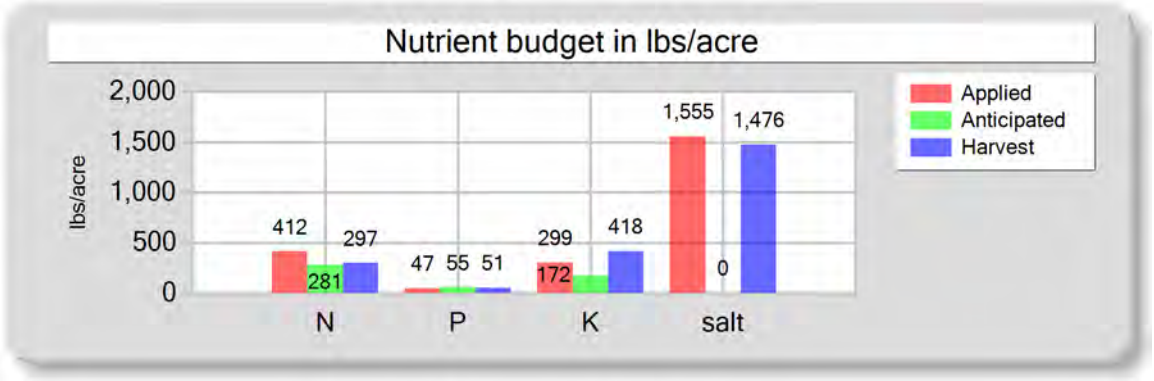
Field 1 - 05/23/2023: Corn, silage

Field name: Field 1 Crop: Corn, silage Plant date: 05/23/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	337.38	47.45	299.29	1,269.92
Fresh water	7.70	0.00	0.00	284.92
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	412.08	47.45	299.29	1,554.84
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	297.42	50.63	417.66	1,475.85
Nutrient balance	114.66	-3.18	-118.37	78.98
Applied to removed ratio	1.39	0.94	0.72	1.05

Fresh water applied	
45,216,000.00	*gallons*
1,665.15	*acre-inches*
33.98	*inches/acre*

Process wastewater applied	
1,989,000.00	*gallons*
73.25	*acre-inches*
1.49	*inches/acre*

Total harvests for the crop	
1	*harvests*

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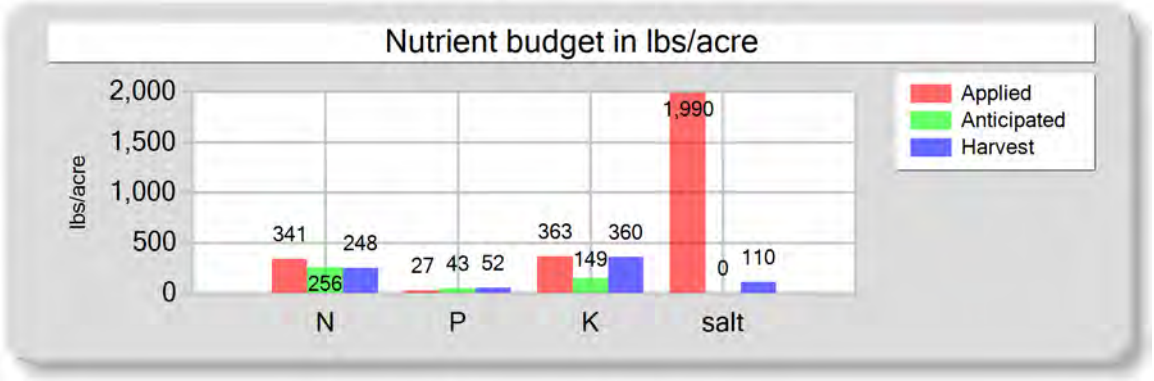
Field 2 - 11/06/2022: Wheat, silage, soft dough

Field name: Field 2 Crop: Wheat, silage, soft dough Plant date: 11/06/2022



	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	331.26	26.91	362.95	1,800.52
Fresh water	2.64	0.00	0.00	189.30
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	340.90	26.91	362.95	1,989.81
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	248.21	52.05	360.31	110.18
Nutrient balance	92.68	-25.13	2.64	1,879.64
Applied to removed ratio	1.37	0.52	1.01	18.06

Fresh water applied	
9,504,000.00	*gallons*
350.00	*acre-inches*
11.67	*inches/acre*

Process wastewater applied	
1,584,000.00	*gallons*
58.33	*acre-inches*
1.94	*inches/acre*

Total harvests for the crop	
1	*harvests*

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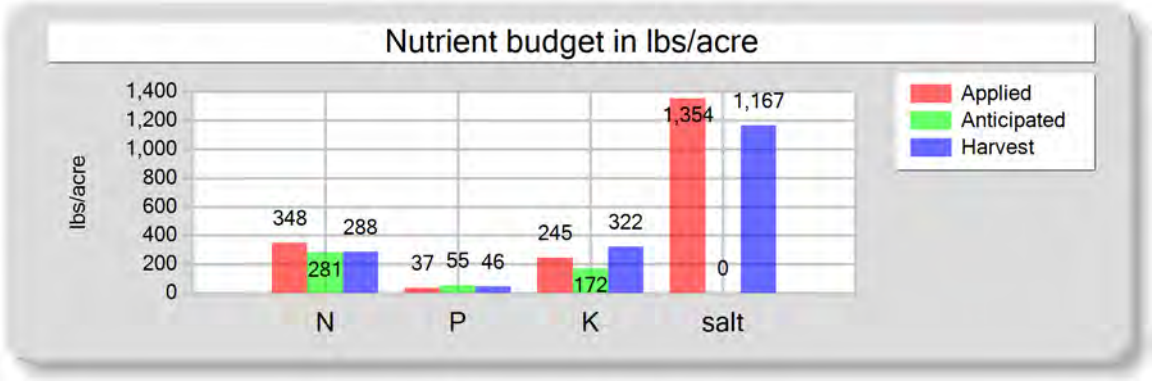
Field 2 - 06/01/2023: Corn, silage

Field name: Field 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)
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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	272.83	37.38	244.96	1,057.23
Fresh water	8.01	0.00	0.00	296.41
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	347.84	37.38	244.96	1,353.64
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	287.67	46.03	322.19	1,166.78
Nutrient balance	60.18	-8.64	-77.22	186.87
Applied to removed ratio	1.21	0.81	0.76	1.16

Fresh water applied	
28,800,000.00	*gallons*
1,060.61	*acre-inches*
35.35	*inches/acre*

Process wastewater applied	
1,008,000.00	*gallons*
37.12	*acre-inches*
1.24	*inches/acre*

Total harvests for the crop	
1	*harvests*

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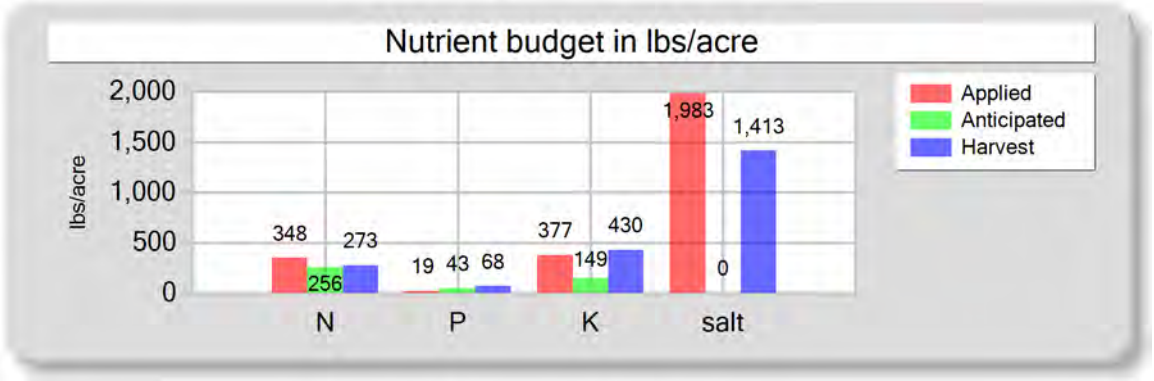
Field 3 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 3 Crop: Wheat, silage, soft dough Plant date: 10/24/2022



	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	338.17	19.09	376.73	1,789.44
Fresh water	2.68	0.00	0.00	193.19
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	347.86	19.09	376.73	1,982.62
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	272.75	68.19	430.11	1,412.87
Nutrient balance	75.10	-49.10	-53.38	569.76
Applied to removed ratio	1.28	0.28	0.88	1.40

Fresh water applied	
9,648,000.00	*gallons*
355.30	*acre-inches*
11.84	*inches/acre*

Process wastewater applied	
1,608,000.00	*gallons*
59.22	*acre-inches*
1.97	*inches/acre*

Total harvests for the crop	
1	*harvests*

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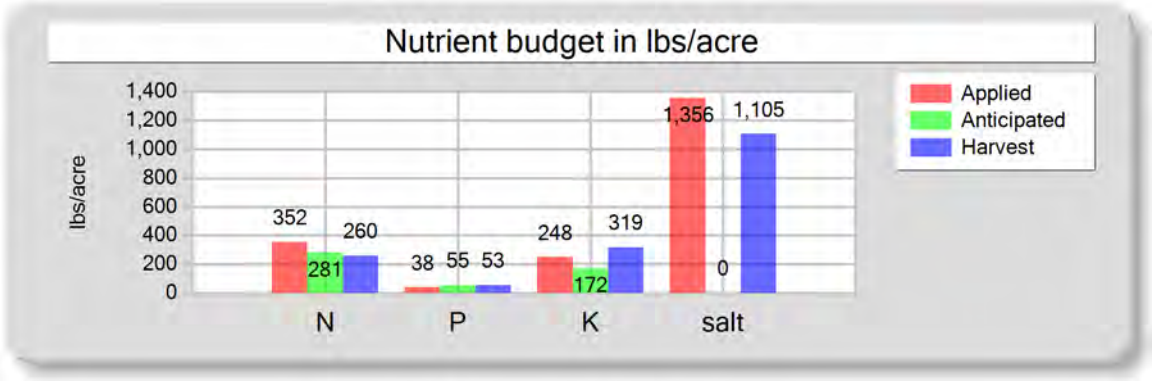
Field 3 - 05/25/2023: Corn, silage

Field name: Field 3 Crop: Corn, silage Plant date: 05/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	277.03	38.23	247.91	1,065.01
Fresh water	7.87	0.00	0.00	291.23
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	351.90	38.23	247.91	1,356.24
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	260.07	53.20	319.18	1,104.72
Nutrient balance	91.83	-14.96	-71.27	251.53
Applied to removed ratio	1.35	0.72	0.78	1.23

Fresh water applied	
28,296,000.00	*gallons*
1,042.05	*acre-inches*
34.73	*inches/acre*

Process wastewater applied	
1,017,000.00	*gallons*
37.45	*acre-inches*
1.25	*inches/acre*

Total harvests for the crop	
1	*harvests*

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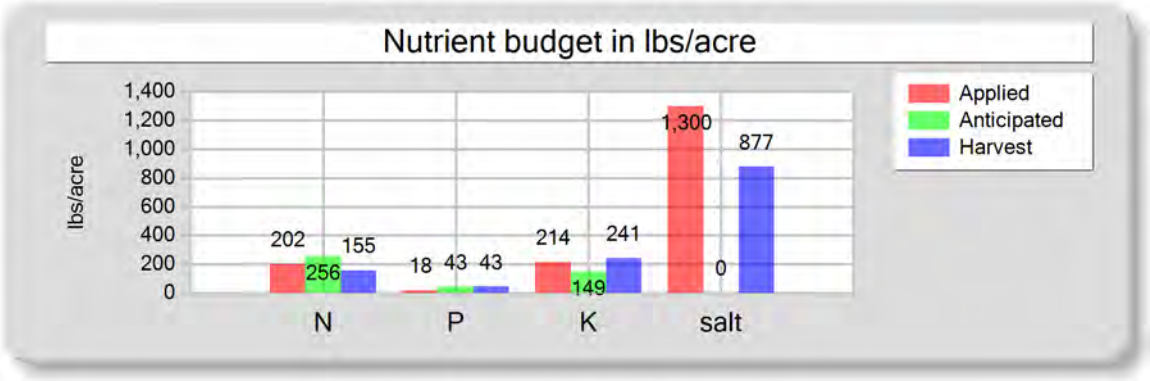
Field 4 - 10/20/2022: Wheat, silage, soft dough

Field name: Field 4 Crop: Wheat, silage, soft dough Plant date: 10/20/2022



	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	193.19	17.64	213.60	1,133.24
Fresh water	2.05	0.00	0.00	167.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	202.24	17.64	213.60	1,300.39
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	155.46	42.67	240.81	877.43
Nutrient balance	46.78	-25.04	-27.21	422.96
Applied to removed ratio	1.30	0.41	0.89	1.48

Fresh water applied	
12,024,000.00	*gallons*
442.80	*acre-inches*
9.04	*inches/acre*

Process wastewater applied	
1,689,000.00	*gallons*
62.20	*acre-inches*
1.27	*inches/acre*

Total harvests for the crop	
1	*harvests*

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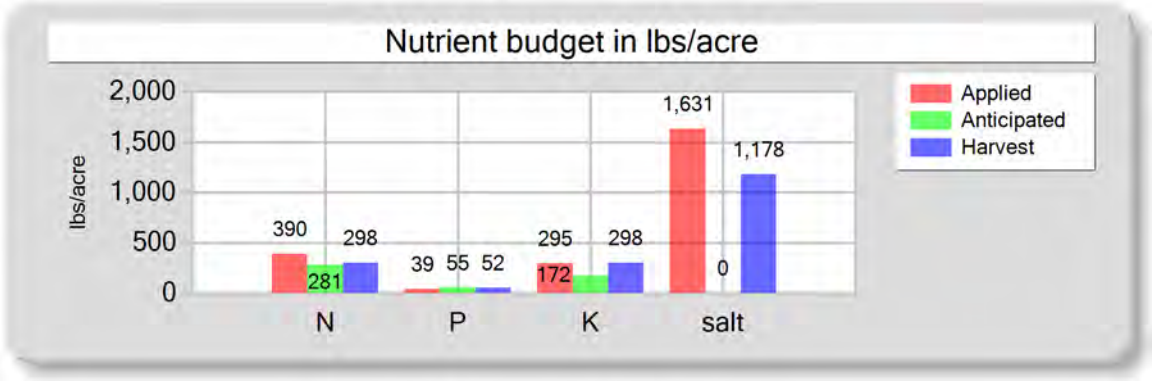
Field 4 - 05/20/2023: Corn, silage

Field name: Field 4 Crop: Corn, silage Plant date: 05/20/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	315.22	39.06	295.29	1,348.20
Fresh water	7.65	0.00	0.00	283.11
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	389.87	39.06	295.29	1,631.30
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	298.16	51.85	298.16	1,178.40
Nutrient balance	91.71	-12.79	-2.87	452.90
Applied to removed ratio	1.31	0.75	0.99	1.38

Fresh water applied	
44,928,000.00	*gallons*
1,654.55	*acre-inches*
33.77	*inches/acre*

Process wastewater applied	
2,061,000.00	*gallons*
75.90	*acre-inches*
1.55	*inches/acre*

Total harvests for the crop	
1	*harvests*

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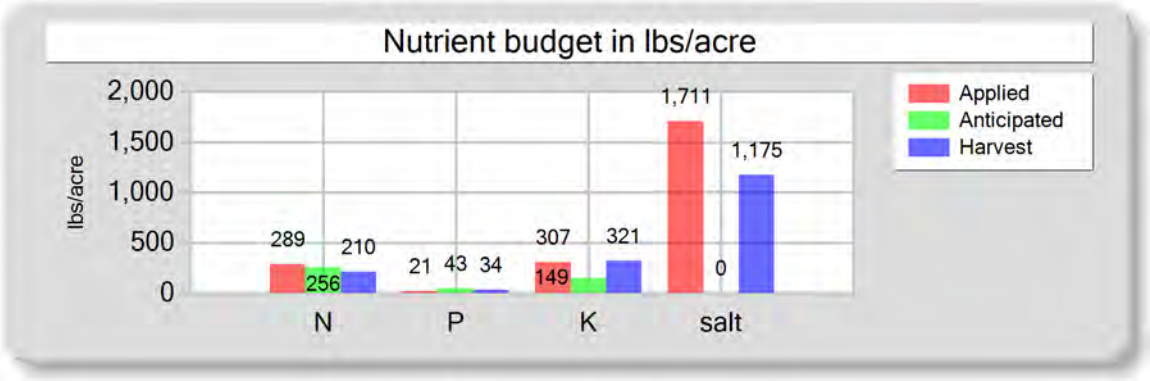
Field 5 - 11/06/2022: Wheat, silage, soft dough

Field name: Field 5 Crop: Wheat, silage, soft dough Plant date: 11/06/2022



	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	279.75	21.19	306.71	1,518.78
Fresh water	2.73	0.00	0.00	191.78
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	289.48	21.19	306.71	1,710.57
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	210.49	34.44	321.47	1,175.32
Nutrient balance	78.99	-13.26	-14.76	535.25
Applied to removed ratio	1.38	0.62	0.95	1.46

Fresh water applied	
11,448,000.00	*gallons*
421.59	*acre-inches*
12.05	*inches/acre*

Process wastewater applied	
1,563,000.00	*gallons*
57.56	*acre-inches*
1.64	*inches/acre*

Total harvests for the crop	
1	*harvests*

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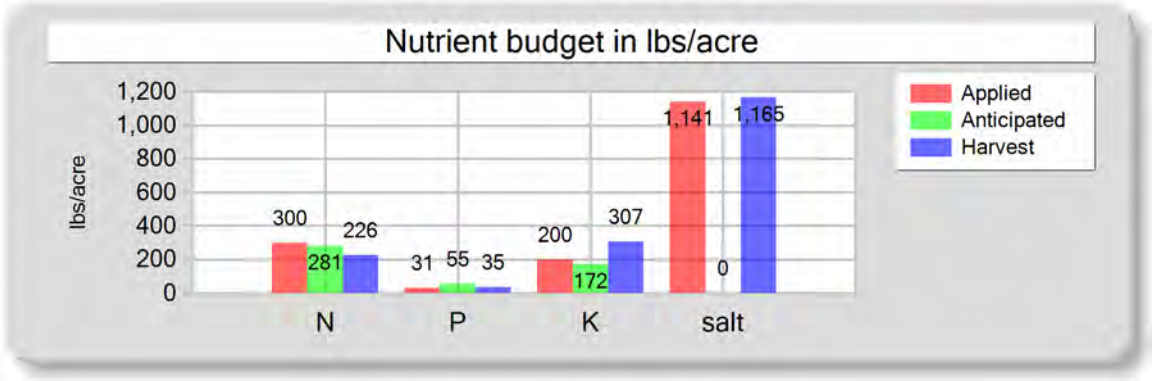
Field 5 - 06/02/2023: Corn, silage

Field name: Field 5 Crop: Corn, silage Plant date: 06/02/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	225.23	31.47	200.40	853.99
Fresh water	7.76	0.00	0.00	287.10
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	299.99	31.47	200.40	1,141.09
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	225.77	34.73	306.82	1,165.33
Nutrient balance	74.21	-3.26	-106.42	-24.25
Applied to removed ratio	1.33	0.91	0.65	0.98

Fresh water applied	
32,544,000.00	*gallons*
1,198.48	*acre-inches*
34.24	*inches/acre*

Process wastewater applied	
954,000.00	*gallons*
35.13	*acre-inches*
1.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

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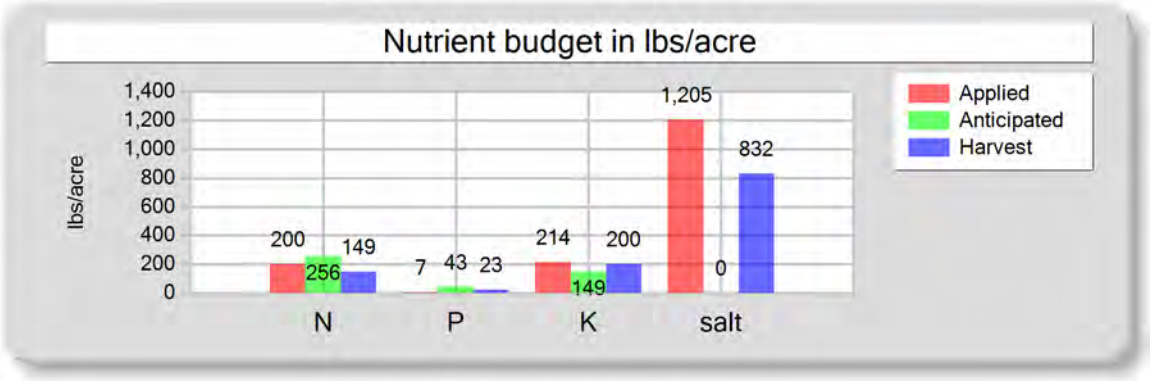
Field 70 - 11/10/2022: Wheat, silage, soft dough

Field name: Field 70 Crop: Wheat, silage, soft dough Plant date: 11/10/2022



	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	188.69	6.65	214.03	971.56
Fresh water	4.06	0.00	0.00	233.56
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	199.75	6.65	214.03	1,205.12
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	148.81	22.89	200.33	831.93
Nutrient balance	50.94	-16.24	13.70	373.19
Applied to removed ratio	1.34	0.29	1.07	1.45

Fresh water applied	
3,312,000.00	*gallons*
121.97	*acre-inches*
12.20	*inches/acre*

Process wastewater applied	
297,000.00	*gallons*
10.94	*acre-inches*
1.09	*inches/acre*

Total harvests for the crop	
1	*harvests*

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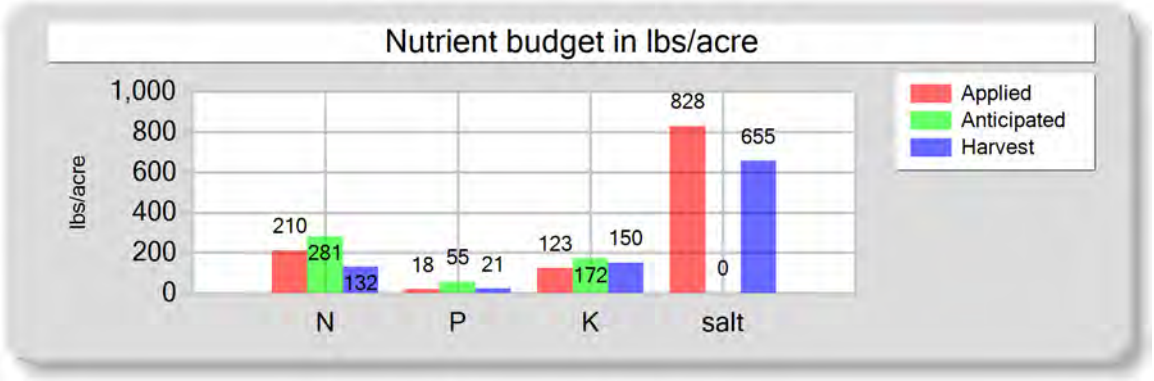
Field 70 - 05/26/2023: Corn, silage

Field name: Field 70 Crop: Corn, silage Plant date: 05/26/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	135.58	18.06	123.25	541.13
Fresh water	7.75	0.00	0.00	286.78
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	210.33	18.06	123.25	827.91
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	132.35	20.90	149.76	655.11
Nutrient balance	77.98	-2.83	-26.51	172.80
Applied to removed ratio	1.59	0.86	0.82	1.26

Fresh water applied	
9,288,000.00	*gallons*
342.05	*acre-inches*
34.20	*inches/acre*

Process wastewater applied	
171,000.00	*gallons*
6.30	*acre-inches*
0.63	*inches/acre*

Total harvests for the crop	
1	*harvests*

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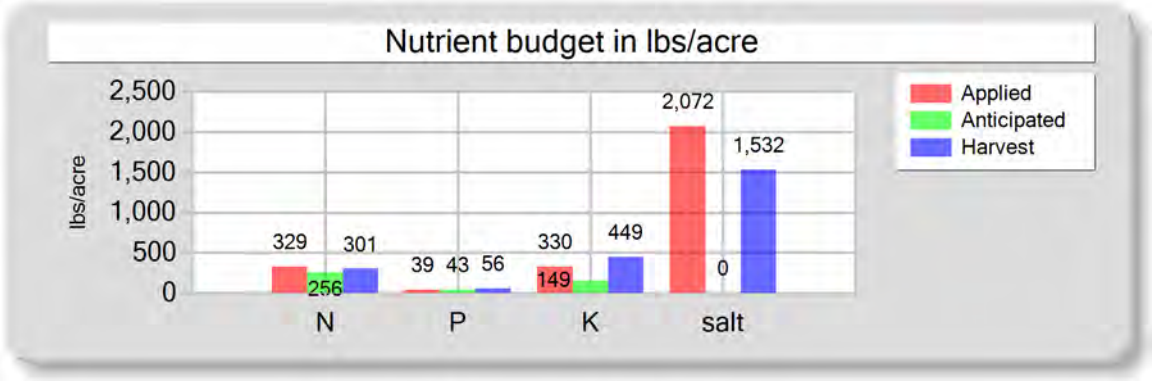
Field 71 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 71 Crop: Wheat, silage, soft dough Plant date: 10/24/2022



	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	316.61	38.96	329.77	1,804.41
Fresh water	4.92	0.00	0.00	267.64
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	328.53	38.96	329.77	2,072.05
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	300.80	56.08	448.64	1,531.91
Nutrient balance	27.74	-17.12	-118.87	540.14
Applied to removed ratio	1.09	0.69	0.74	1.35

Fresh water applied	
11,592,000.00	*gallons*
426.89	*acre-inches*
15.81	*inches/acre*

Process wastewater applied	
1,449,000.00	*gallons*
53.36	*acre-inches*
1.98	*inches/acre*

Total harvests for the crop	
1	*harvests*

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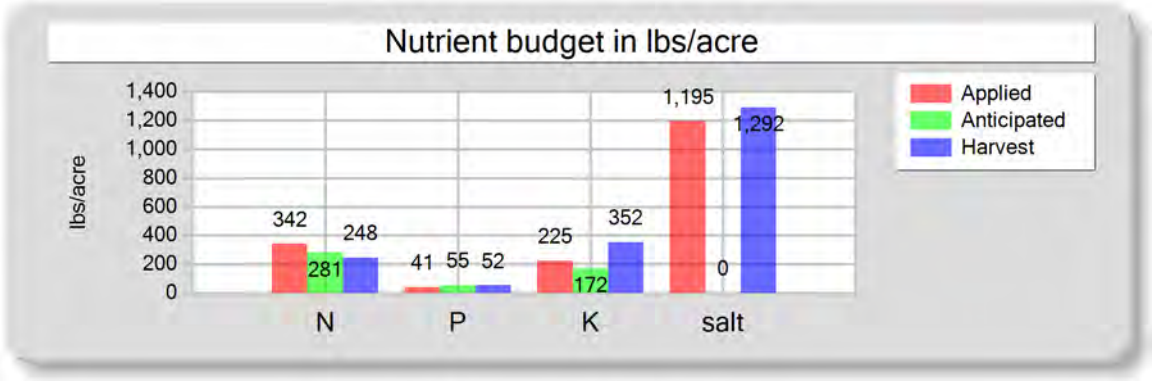
Field 71 - 05/25/2023: Corn, silage

Field name: Field 71 Crop: Corn, silage Plant date: 05/25/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	266.52	41.38	224.82	883.32
Fresh water	8.41	0.00	0.00	311.24
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	341.93	41.38	224.82	1,194.55
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	247.60	52.13	351.86	1,291.77
Nutrient balance	94.33	-10.74	-127.03	-97.21
Applied to removed ratio	1.38	0.79	0.64	0.92

Fresh water applied	
27,216,000.00	*gallons*
1,002.27	*acre-inches*
37.12	*inches/acre*

Process wastewater applied	
783,000.00	*gallons*
28.84	*acre-inches*
1.07	*inches/acre*

Total harvests for the crop	
1	*harvests*

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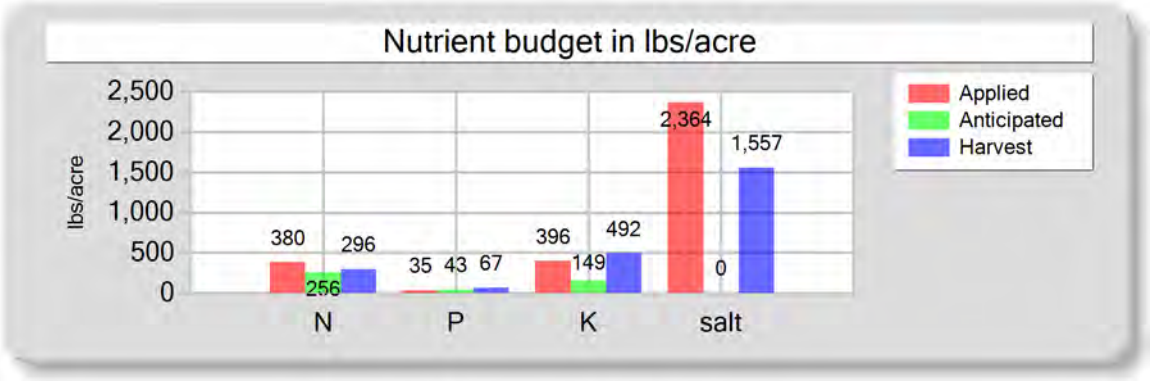
Field 72 - 10/24/2022: Wheat, silage, soft dough

Field name: Field 72 Crop: Wheat, silage, soft dough Plant date: 10/24/2022



	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	369.91	35.43	396.12	2,053.07
Fresh water	3.45	0.00	0.00	310.68
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	380.36	35.43	396.12	2,363.75
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	296.08	67.04	491.61	1,557.29
Nutrient balance	84.28	-31.60	-95.50	806.46
Applied to removed ratio	1.28	0.53	0.81	1.52

Fresh water applied	
16,536,000.00	*gallons*
608.96	*acre-inches*
15.22	*inches/acre*

Process wastewater applied	
2,496,000.00	*gallons*
91.92	*acre-inches*
2.30	*inches/acre*

Total harvests for the crop	
1	*harvests*

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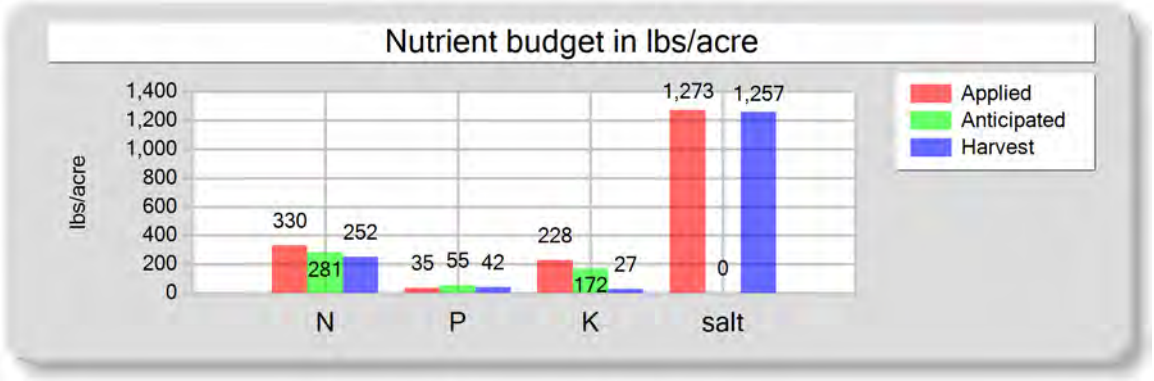
Field 72 - 05/19/2023: Corn, silage

Field name: Field 72 Crop: Corn, silage Plant date: 05/19/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	255.06	35.12	228.49	983.03
Fresh water	7.83	0.00	0.00	289.56
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	329.89	35.12	228.49	1,272.59
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	251.73	41.95	26.97	1,257.20
Nutrient balance	78.16	-6.83	201.52	15.39
Applied to removed ratio	1.31	0.84	8.47	1.01

Fresh water applied	
37,512,000.00	*gallons*
1,381.44	*acre-inches*
34.54	*inches/acre*

Process wastewater applied	
1,251,000.00	*gallons*
46.07	*acre-inches*
1.15	*inches/acre*

Total harvests for the crop	
1	*harvests*

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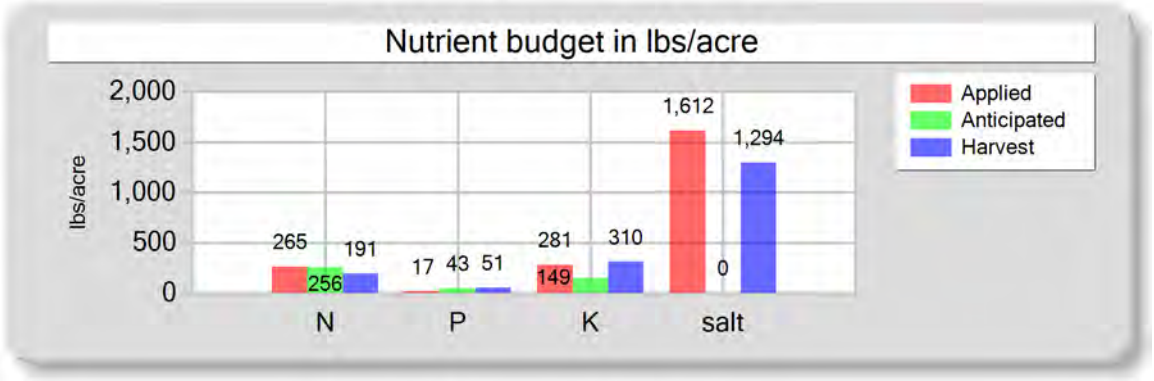
Field 73 - 10/26/2022: Wheat, silage, soft dough

Field name: Field 73 Crop: Wheat, silage, soft dough Plant date: 10/26/2022



	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	255.01	16.64	280.68	1,351.15
Fresh water	2.69	0.00	0.00	261.30
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	264.70	16.64	280.68	1,612.45
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	191.02	50.94	309.88	1,294.08
Nutrient balance	73.68	-34.30	-29.20	318.37
Applied to removed ratio	1.39	0.33	0.91	1.25

Fresh water applied	
12,576,000.00	*gallons*
463.13	*acre-inches*
11.88	*inches/acre*

Process wastewater applied	
1,572,000.00	*gallons*
57.89	*acre-inches*
1.48	*inches/acre*

Total harvests for the crop	
1	*harvests*

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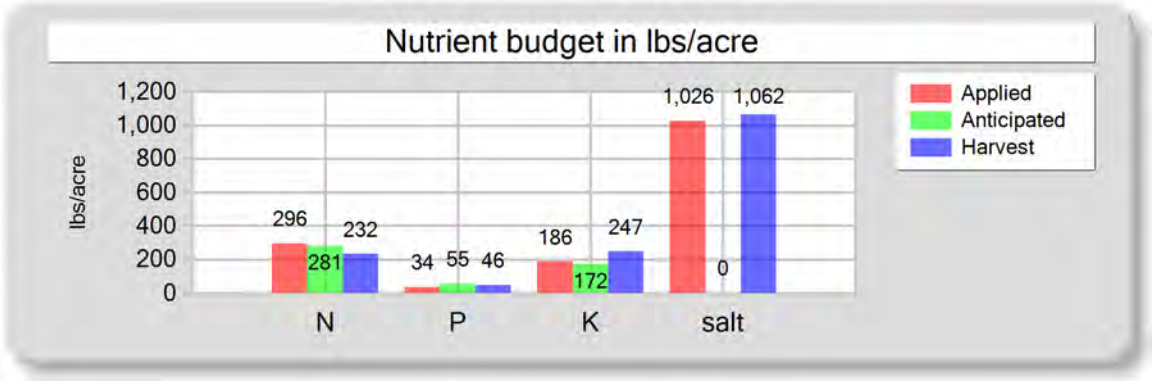
Field 73 - 06/16/2023: Corn, silage

Field name: Field 73 Crop: Corn, silage Plant date: 06/16/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	220.57	34.25	186.06	731.02
Fresh water	7.98	0.00	0.00	295.27
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	295.55	34.25	186.06	1,026.30
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	231.58	46.32	247.02	1,062.50
Nutrient balance	63.97	-12.07	-60.96	-36.20
Applied to removed ratio	1.28	0.74	0.75	0.97

Fresh water applied	
37,296,000.00	*gallons*
1,373.48	*acre-inches*
35.22	*inches/acre*

Process wastewater applied	
936,000.00	*gallons*
34.47	*acre-inches*
0.88	*inches/acre*

Total harvests for the crop	
1	*harvests*

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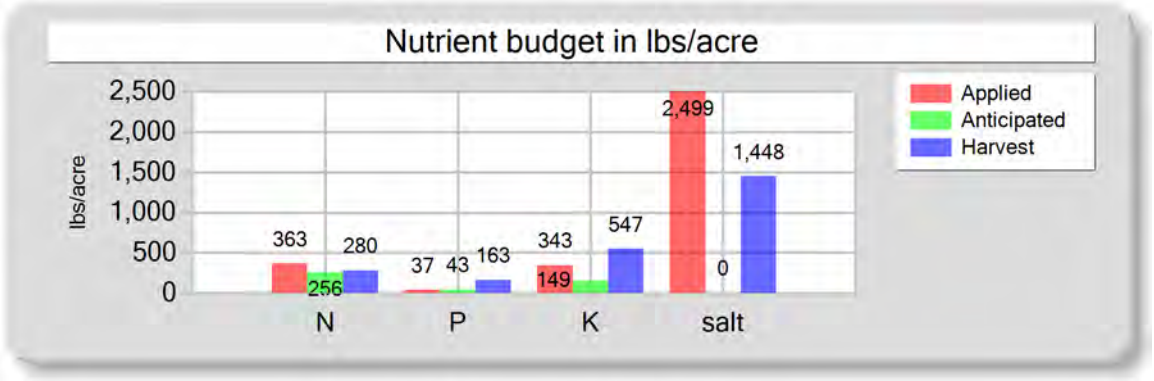
Field 74 - 10/26/2022: Wheat, silage, soft dough

Field name: Field 74 Crop: Wheat, silage, soft dough Plant date: 10/26/2022



	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	329.56	37.15	343.34	1,804.81
Fresh water	26.51	0.00	0.00	693.74
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	363.07	37.15	343.34	2,498.55
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	280.26	163.48	546.50	1,448.14
Nutrient balance	82.81	-126.33	-203.16	1,050.41
Applied to removed ratio	1.30	0.23	0.63	1.73

Fresh water applied	
27,504,000.00	*gallons*
1,012.88	*acre-inches*
13.33	*inches/acre*

Process wastewater applied	
3,960,000.00	*gallons*
145.83	*acre-inches*
1.92	*inches/acre*

Total harvests for the crop	
1	*harvests*

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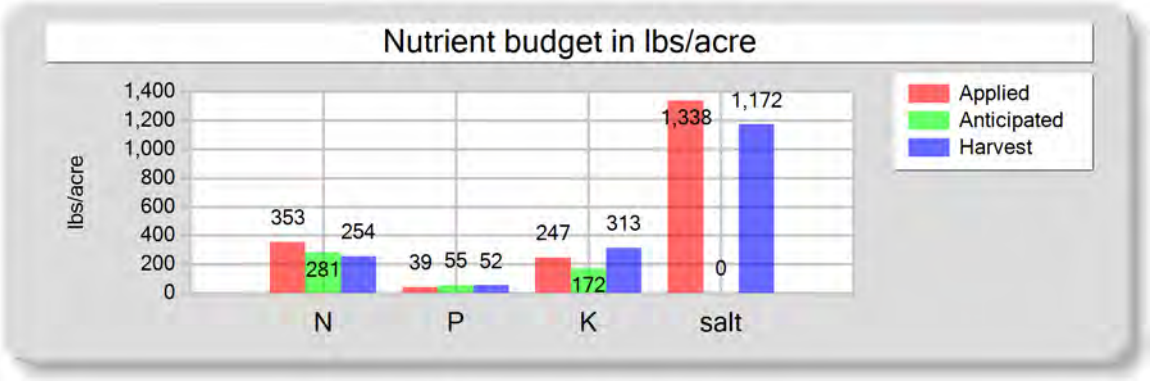
Field 74 - 06/09/2023: Corn, silage

Field name: Field 74 Crop: Corn, silage Plant date: 06/09/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	278.23	39.23	246.52	1,044.13
Fresh water	7.93	0.00	0.00	293.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	353.16	39.23	246.52	1,337.55
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	253.96	52.09	312.56	1,171.79
Nutrient balance	99.21	-12.86	-66.05	165.76
Applied to removed ratio	1.39	0.75	0.79	1.14

Fresh water applied	
72,224,000.00	*gallons*
2,659.76	*acre-inches*
35.00	*inches/acre*

Process wastewater applied	
2,538,000.00	*gallons*
93.47	*acre-inches*
1.23	*inches/acre*

Total harvests for the crop	
1	*harvests*

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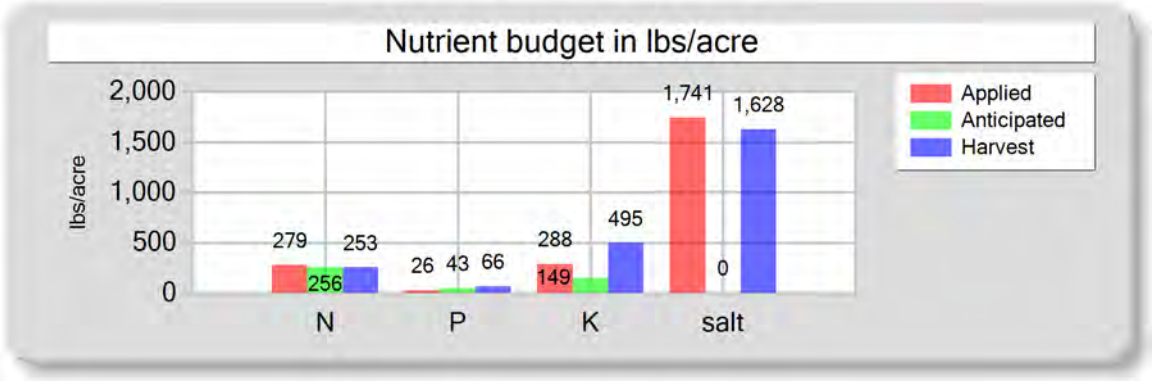
Field 75 - 10/20/2022: Wheat, silage, soft dough

Field name: Field 75 Crop: Wheat, silage, soft dough Plant date: 10/20/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	269.25	26.43	288.02	1,502.95
Fresh water	2.54	0.00	0.00	237.92
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	278.80	26.43	288.02	1,740.87
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	253.07	66.02	495.14	1,628.23
Nutrient balance	25.73	-39.59	-207.12	112.64
Applied to removed ratio	1.10	0.40	0.58	1.07

Fresh water applied	
14,328,000.00	*gallons*
527.65	*acre-inches*
11.23	*inches/acre*

Process wastewater applied	
2,148,000.00	*gallons*
79.10	*acre-inches*
1.68	*inches/acre*

Total harvests for the crop	
1	*harvests*

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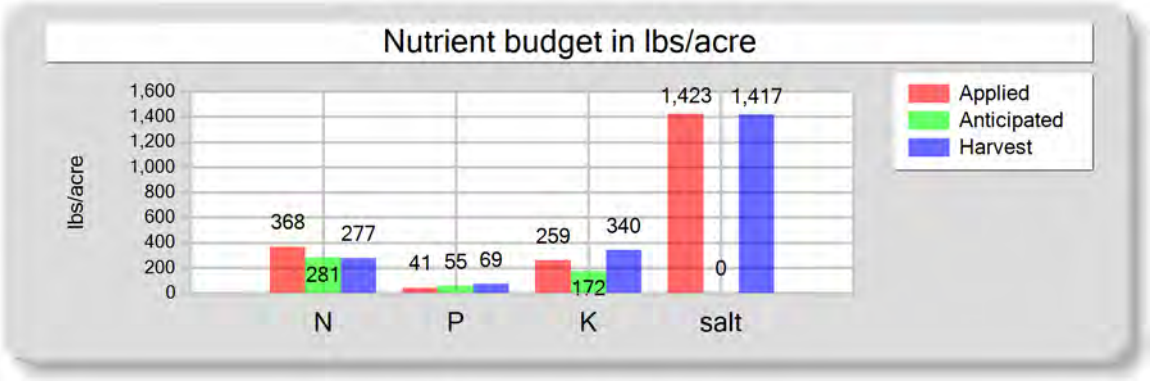
Field 75 - 06/06/2023: Corn, silage

Field name: Field 75 Crop: Corn, silage Plant date: 06/06/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	292.21	41.24	258.79	1,095.41
Fresh water	8.87	0.00	0.00	328.03
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	368.08	41.24	258.79	1,423.44
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	277.46	69.37	339.89	1,417.48
Nutrient balance	90.62	-28.13	-81.10	5.96
Applied to removed ratio	1.33	0.59	0.76	1.00

Fresh water applied	
49,932,000.00	*gallons*
1,838.83	*acre-inches*
39.12	*inches/acre*

Process wastewater applied	
1,647,000.00	*gallons*
60.65	*acre-inches*
1.29	*inches/acre*

Total harvests for the crop	
1	*harvests*

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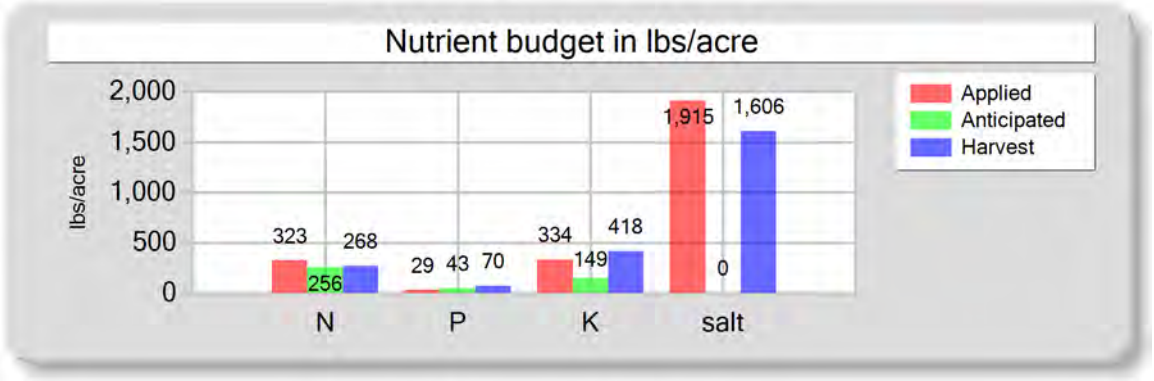
Field 76 - 10/20/2022: Wheat, silage, soft dough

Field name: Field 76 Crop: Wheat, silage, soft dough Plant date: 10/20/2022



	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	312.03	29.45	334.45	1,726.47
Fresh water	3.53	0.00	0.00	188.90
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	322.56	29.45	334.45	1,915.36
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	267.73	69.61	417.65	1,606.20
Nutrient balance	54.84	-40.15	-83.20	309.17
Applied to removed ratio	1.20	0.42	0.80	1.19

Fresh water applied	
24,192,000.00	*gallons*
890.91	*acre-inches*
11.57	*inches/acre*

Process wastewater applied	
4,032,000.00	*gallons*
148.48	*acre-inches*
1.93	*inches/acre*

Total harvests for the crop	
1	*harvests*

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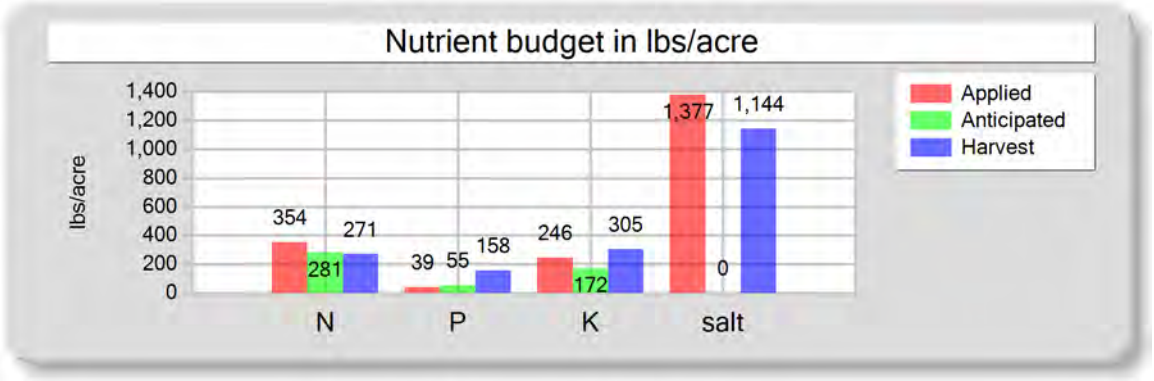
Field 76 - 05/29/2023: Corn, silage

Field name: Field 76 Crop: Corn, silage Plant date: 05/29/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	277.84	39.22	246.03	1,041.25
Fresh water	9.07	0.00	0.00	335.63
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	353.91	39.22	246.03	1,376.88
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	270.79	157.96	304.64	1,143.64
Nutrient balance	83.12	-118.74	-58.61	233.24
Applied to removed ratio	1.31	0.25	0.81	1.20

Fresh water applied	
83,700,000.00	*gallons*
3,082.39	*acre-inches*
40.03	*inches/acre*

Process wastewater applied	
2,565,000.00	*gallons*
94.46	*acre-inches*
1.23	*inches/acre*

Total harvests for the crop	
1	*harvests*

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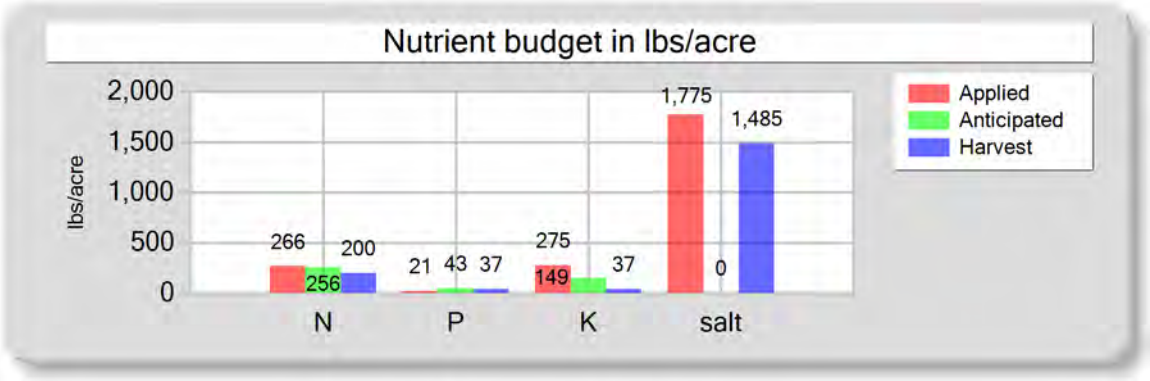
Field 77 - 11/16/2022: Wheat, silage, soft dough

Field name: Field 77 Crop: Wheat, silage, soft dough Plant date: 11/16/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	252.75	20.68	274.72	1,372.96
Fresh water	5.94	0.00	0.00	402.46
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	265.69	20.68	274.72	1,775.42
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	199.83	37.18	37.18	1,484.79
Nutrient balance	65.86	-16.49	237.54	290.62
Applied to removed ratio	1.33	0.56	7.39	1.20

Fresh water applied	
31,128,000.00	*gallons*
1,146.34	*acre-inches*
15.08	*inches/acre*

Process wastewater applied	
3,060,000.00	*gallons*
112.69	*acre-inches*
1.48	*inches/acre*

Total harvests for the crop	
1	*harvests*

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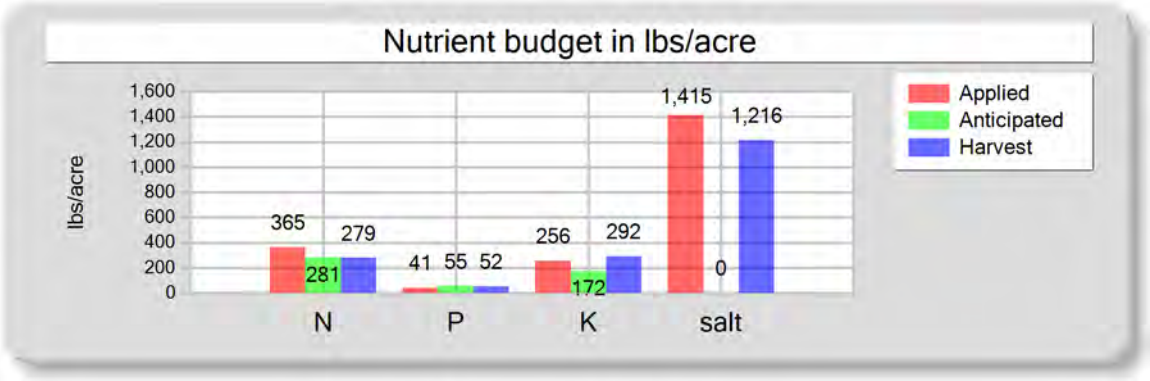
Field 77 - 05/30/2023: Corn, silage

Field name: Field 77 Crop: Corn, silage Plant date: 05/30/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	288.74	40.51	256.43	1,089.81
Fresh water	8.78	0.00	0.00	324.97
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	364.52	40.51	256.43	1,414.78
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	278.89	51.89	291.86	1,216.29
Nutrient balance	85.63	-11.38	-35.43	198.49
Applied to removed ratio	1.31	0.78	0.88	1.16

Fresh water applied	
79,989,000.00	*gallons*
2,945.72	*acre-inches*
38.76	*inches/acre*

Process wastewater applied	
2,646,000.00	*gallons*
97.44	*acre-inches*
1.28	*inches/acre*

Total harvests for the crop	
1	*harvests*

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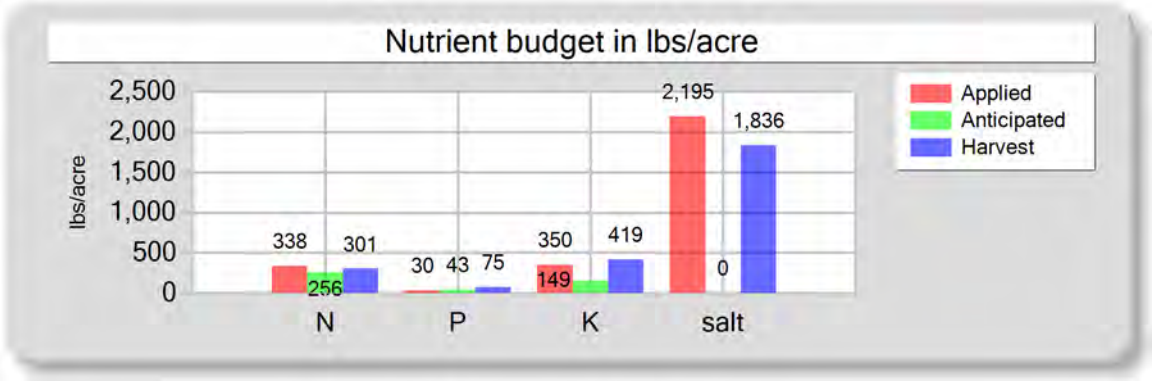
Field 78 - 10/15/2022: Wheat, silage, soft dough

Field name: Field 78 Crop: Wheat, silage, soft dough Plant date: 10/15/2022



	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	325.33	30.47	349.52	1,803.36
Fresh water	5.86	0.00	0.00	391.76
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	338.19	30.47	349.52	2,195.13
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	300.59	75.15	418.67	1,836.26
Nutrient balance	37.60	-44.67	-69.16	358.87
Applied to removed ratio	1.13	0.41	0.83	1.20

Fresh water applied	
31,326,000.00	*gallons*
1,153.63	*acre-inches*
15.18	*inches/acre*

Process wastewater applied	
4,140,000.00	*gallons*
152.46	*acre-inches*
2.01	*inches/acre*

Total harvests for the crop	
1	*harvests*

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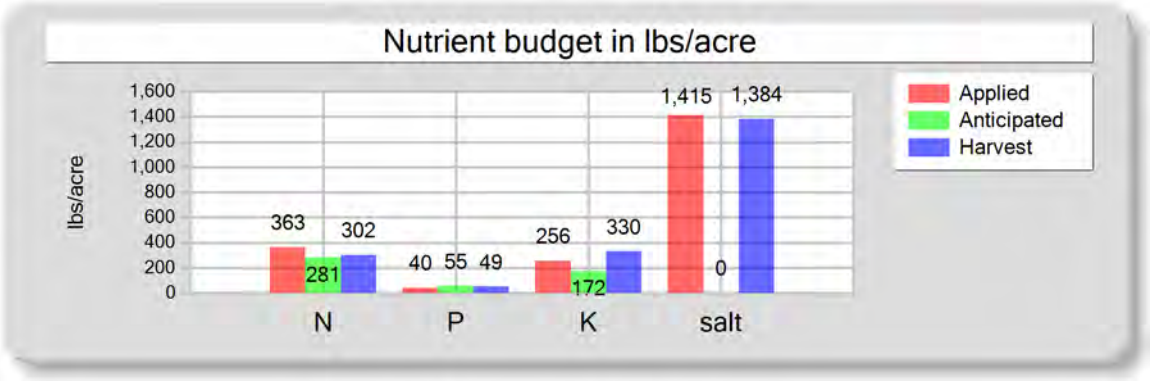
Field 78 - 05/24/2023: Corn, silage

Field name: Field 78 Crop: Corn, silage Plant date: 05/24/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	287.32	40.09	255.82	1,091.15
Fresh water	8.75	0.00	0.00	323.70
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	363.07	40.09	255.82	1,414.85
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	301.95	49.16	330.04	1,384.49
Nutrient balance	61.11	-9.06	-74.22	30.36
Applied to removed ratio	1.20	0.82	0.78	1.02

Fresh water applied	
79,677,000.00	*gallons*
2,934.23	*acre-inches*
38.61	*inches/acre*

Process wastewater applied	
2,646,000.00	*gallons*
97.44	*acre-inches*
1.28	*inches/acre*

Total harvests for the crop	
1	*harvests*

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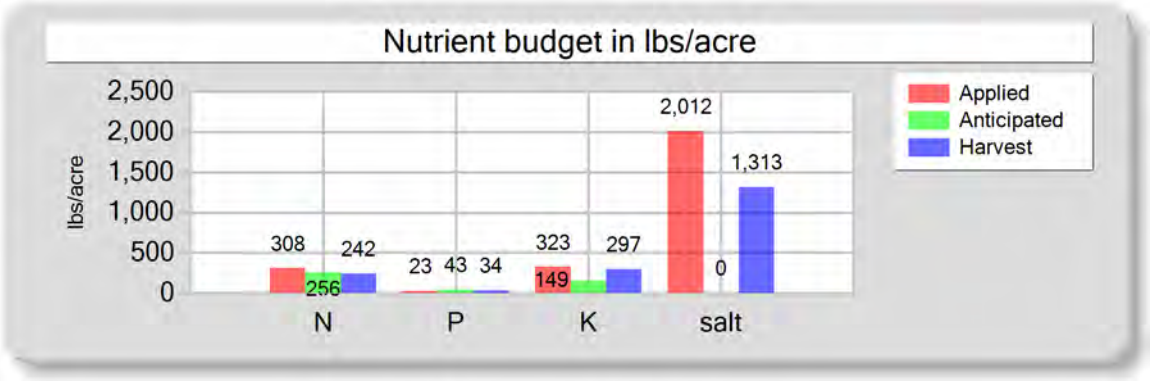
Field 79 - 11/04/2022: Wheat, silage, soft dough

Field name: Field 79 Crop: Wheat, silage, soft dough Plant date: 11/04/2022



	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	294.75	22.91	323.09	1,609.37
Fresh water	5.94	0.00	0.00	402.46
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	307.69	22.91	323.09	2,011.83
Anticipated crop nutrient removal	255.60	43.20	149.40	0.00
Actual crop nutrient removal	241.68	33.92	296.80	1,313.20
Nutrient balance	66.01	-11.01	26.29	698.63
Applied to removed ratio	1.27	0.68	1.09	1.53

Fresh water applied	
31,128,000.00	*gallons*
1,146.34	*acre-inches*
15.08	*inches/acre*

Process wastewater applied	
3,585,000.00	*gallons*
132.02	*acre-inches*
1.74	*inches/acre*

Total harvests for the crop	
1	*harvests*

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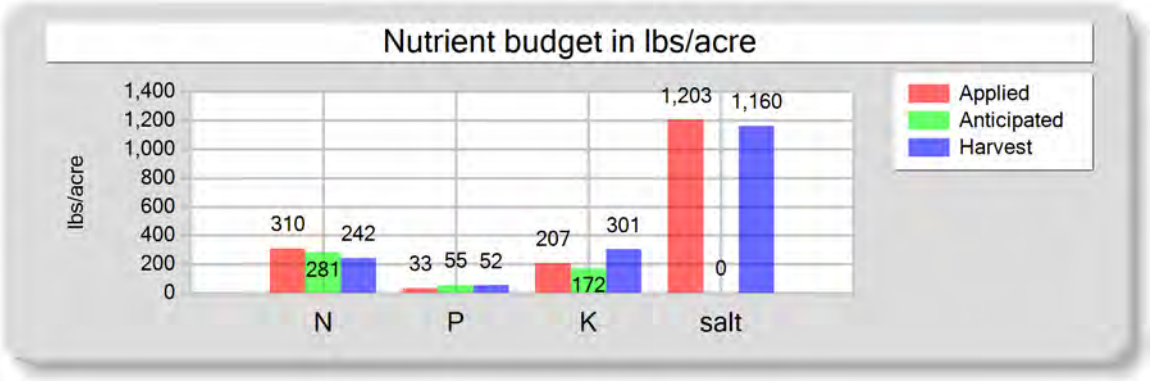
Field 79 - 06/14/2023: Corn, silage

Field name: Field 79 Crop: Corn, silage Plant date: 06/14/2023



	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	60.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	234.09	33.04	207.29	877.28
Fresh water	8.80	0.00	0.00	325.60
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	309.89	33.04	207.29	1,202.88
Anticipated crop nutrient removal	280.80	54.60	171.60	0.00
Actual crop nutrient removal	242.49	52.43	301.47	1,160.02
Nutrient balance	67.40	-19.39	-94.19	42.86
Applied to removed ratio	1.28	0.63	0.69	1.04

Fresh water applied	
80,145,000.00	*gallons*
2,951.47	*acre-inches*
38.84	*inches/acre*

Process wastewater applied	
2,133,000.00	*gallons*
78.55	*acre-inches*
1.03	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

Flint Compost

Sample and source description: Flint Compost

Sample date: 10/13/2023 Material type: Compost Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 29.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	29,300.00	5,000.00	7,000.00							
DL	100.00	100.00	100.00							

Flint Compost New

Sample and source description: Flint Compost New

Sample date: 10/13/2023 Material type: Compost Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 50.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	28,600.00	3,800.00	7,600.00							
DL	100.00	100.00	100.00							

Separator

Sample and source description: Separator

Sample date: 10/13/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 74.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,900.00	2,700.00	6,600.00	8,800.00	3,100.00	1,600.00	3,400.00	2,000.00		10.60
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	1,000.00		0.01

Compost Flint

Sample and source description: Compost Flint

Sample date: 12/19/2023 Material type: Compost Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 37.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	22,800.00	3,700.00	8,600.00							
DL	100.00	100.00	100.00							

Separator Flint

Sample and source description: Separator Flint

Sample date: 12/19/2023 Material type: Separator solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.2 %

	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	29,600.00	4,700.00	12,200.00							
DL	100.00	100.00	100.00							

B. PROCESS WASTEWATER ANALYSES

WW3rdQ 2022

Sample and source description: WW3rdQ 2022

Sample date: 09/13/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.70

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	592.00	271.00	0.00	1.60	90.40	618.00								5,980.00	3,760
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW4thQ 2022

Sample and source description: WW4thQ 2022

Sample date: 10/13/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.50

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	737.00	47.60	0.00	1.40	0.85	889.00								9,160.00	3,920
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW1stQ

Sample and source description: WW1stQ

Sample date: 03/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.70

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	725.00	487.00	0.00	1.50	84.80	781.00	268.00	127.00	202.00	3,250.00	0.00	10.70	488.00	8,440.00	4,280
DL	1.00	0.50	0.50	1.00	0.10	0.50	0.10	0.10	1.00	5.00	1.00	0.50	0.20	0.01	10

WW2ndQ

Sample and source description: WW2ndQ

Sample date: 05/15/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.60

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	813.00	408.00	0.00	1.00	86.60	805.00								9,300.00	3,920
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

WW3rdQ

Sample and source description: WW3rdQ

Sample date: 10/12/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.80

	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	1,100.00	762.00	0.00	1.30	171.00	929.00								9,320.00	3,650
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

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WW4thQ 2023

Sample and source description: WW4thQ 2023

Sample date: 12/19/2023 Material type: Process wastewater Source of analysis: Lab analysis pH:

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	865.00	469.00	0.00	0.70	115.00	1,000.00								9,790.00	5,250
DL	1.00	0.50	0.50	0.10	0.10	0.50								10.00	10

C. FRESH WATER ANALYSES

Canal

Canal

Sample description: Canal

Sample date: 08/18/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00		0.10								40.60	37
DL	1.00		0.10								10.00	10

Deep Well #1

Ag Supply Well

Sample description: Ag Supply Well

Sample date: 10/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00	0.00	1.00								296.00	
DL	1.00	0.50	0.10								10.00	

Deep Well #10

Deep Well #10

Ag Supply Well

Sample description: Ag Supply Well

Sample date: 10/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.20	0.00	2.20								264.00	
DL	1.00	0.50	0.10								10.00	

Deep Well #13

Ag Supply Well

Sample description: Ag Supply Well

Sample date: 10/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.90	0.00	2.90								408.00	
DL	1.00	0.50	0.10								10.00	

Deep Well #3

Ag Supply Well

Sample description: Ag Supply Well

Sample date: 10/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	13.70	0.00	13.70								586.00	
DL	1.00	0.50	0.10								10.00	

Deep Well #5

Deep Well #5

Ag Supply Well

Sample description: Ag Supply Well

Sample date: 10/12/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.00	0.00	1.00								262.00	
DL	1.00	0.50	0.10								10.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Field 1 - 10/24/2022: Wheat, silage, soft dough

Flint #1

Sample and source description: Flint #1

Sample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,700.00	2,900.00	8,100.00		5.20
DL	100.00	100.00	100.00		0.01

Field 1 - 05/23/2023: Corn, silage

Field 1 - 05/23/2023: Corn, silage

Flint 1

Sample and source description: Flint 1

Sample date: 09/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,700.00	800.00	6,600.00		6.90
DL	100.00	100.00	100.00		0.01

Field 2 - 11/06/2022: Wheat, silage, soft dough

Flint #2

Sample and source description: Flint #2

Sample date: 05/14/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,200.00	1,300.00	9,000.00		0.80
DL	100.00	100.00	100.00		0.01

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

Flint 2

Sample and source description: Flint 2

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	800.00	5,600.00		6.00
DL	100.00	100.00	100.00		0.01

Field 3 - 10/24/2022: Wheat, silage, soft dough

Flint #3

Sample and source description: Flint #3

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,200.00	1,300.00	8,200.00		9.10
DL	100.00	100.00	100.00		0.01

Field 3 - 05/25/2023: Corn, silage

Flint 3

Sample and source description: Flint 3

Sample date: 09/02/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 73.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,400.00	900.00	5,400.00		7.00
DL	100.00	100.00	100.00		0.01

Field 4 - 10/20/2022: Wheat, silage, soft dough

Flint #4

Sample and source description: Flint #4

Sample date: 05/04/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,100.00	1,400.00	7,900.00		9.50
DL	100.00	100.00	100.00		0.01

Field 4 - 05/20/2023: Corn, silage

Flint 4

Sample and source description: Flint 4

Sample date: 09/06/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,600.00	800.00	4,600.00		6.00
DL	100.00	100.00	100.00		0.01

Field 5 - 11/06/2022: Wheat, silage, soft dough

Flint #5

Sample and source description: Flint #5

Sample date: 05/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,500.00	900.00	8,400.00		8.70
DL	100.00	100.00	100.00		0.01

Field 5 - 06/02/2023: Corn, silage

Flint 5

Sample and source description: Flint 5

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,900.00	600.00	5,300.00		6.60
DL	100.00	100.00	100.00		0.01

Field 70 - 11/10/2022: Wheat, silage, soft dough

Flint #70

Sample and source description: Flint #70

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,200.00	800.00	7,000.00		9.50
DL	100.00	100.00	100.00		0.01

Field 70 - 05/26/2023: Corn, silage

Flint 70

Sample and source description: Flint 70

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

Moisture: 67.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,800.00	600.00	4,300.00		5.70
DL	100.00	100.00	100.00		0.01

Field 71 - 10/24/2022: Wheat, silage, soft dough

Flint #71

Sample and source description: Flint #71

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,900.00	1,100.00	8,800.00		9.60
DL	100.00	100.00	100.00		0.01

Field 71 - 05/25/2023: Corn, silage

Flint 71

Sample and source description: Flint 71

Sample date: 09/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,800.00	800.00	5,400.00		6.50
DL	100.00	100.00	100.00		0.01

Field 72 - 10/24/2022: Wheat, silage, soft dough

Flint #72

Sample and source description: Flint #72

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,300.00	1,200.00	8,800.00		9.20
DL	100.00	100.00	100.00		0.01

Field 72 - 05/19/2023: Corn, silage

Flint 72

Sample and source description: Flint 72

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

Moisture: 69.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,200.00	700.00	450.00		6.90
DL	100.00	100.00	100.00		0.01

Field 73 - 10/26/2022: Wheat, silage, soft dough

Flint #73

Sample and source description: Flint #73

Sample date: 05/14/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	1,200.00	7,300.00		9.10
DL	100.00	100.00	100.00		0.01

Field 73 - 06/16/2023: Corn, silage

Flint 73

Sample and source description: Flint 73

Sample date: 10/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	900.00	4,800.00		6.20
DL	100.00	100.00	100.00		0.01

Field 74 - 10/26/2022: Wheat, silage, soft dough

Flint #74

Sample and source description: Flint #74

Sample date: 05/14/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,000.00	3,500.00	11,700.00		10.30
DL	100.00	100.00	100.00		0.01

Field 74 - 06/09/2023: Corn, silage

Flint 74

Sample and source description: Flint 74

Sample date: 10/05/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,900.00	800.00	4,800.00		6.10
DL	100.00	100.00	100.00		0.01

Field 75 - 10/20/2022: Wheat, silage, soft dough

Flint #75

Sample and source description: Flint #75

Sample date: 05/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,600.00	1,200.00	9,000.00		9.80
DL	100.00	100.00	100.00		0.01

Field 75 - 06/06/2023: Corn, silage

Flint 75

Sample and source description: Flint 75

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,000.00	1,000.00	4,900.00		6.70
DL	100.00	100.00	100.00		0.01

Field 76 - 10/20/2022: Wheat, silage, soft dough

Flint #76

Sample and source description: Flint #76

Sample date: 05/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,300.00	7,800.00		9.90
DL	100.00	100.00	100.00		0.01

Field 76 - 05/29/2023: Corn, silage

Flint 76

Sample and source description: Flint 76

Sample date: 09/17/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 63.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,800.00	2,800.00	5,400.00		5.60
DL	100.00	100.00	100.00		0.01

Field 77 - 11/16/2022: Wheat, silage, soft dough

WW #77

Sample and source description: WW #77

Sample date: 05/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,300.00	800.00	800.00		9.00
DL	100.00	100.00	100.00		0.01

Field 77 - 05/30/2023: Corn, silage

WW 77

Sample and source description: WW 77

Sample date: 09/17/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,300.00	800.00	4,500.00		5.70
DL	100.00	100.00	100.00		0.01

Field 78 - 10/15/2022: Wheat, silage, soft dough

Flint #78

Sample and source description: Flint #78

Sample date: 05/10/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,600.00	1,400.00	7,800.00		11.00
DL	100.00	100.00	100.00		0.01

Field 78 - 05/24/2023: Corn, silage

Flint 78

Sample and source description: Flint 78

Sample date: 09/12/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,300.00	700.00	4,700.00		6.20
DL	100.00	100.00	100.00		0.01

Field 79 - 11/04/2022: Wheat, silage, soft dough

Flint #79

Sample and source description: Flint #79

Sample date: 05/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,700.00	800.00	7,000.00		8.70
DL	100.00	100.00	100.00		0.01

Field 79 - 06/14/2023: Corn, silage

Flint 79

Sample and source description: Flint 79

Sample date: 10/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,700.00	800.00	4,600.00		5.90
DL	100.00	100.00	100.00		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

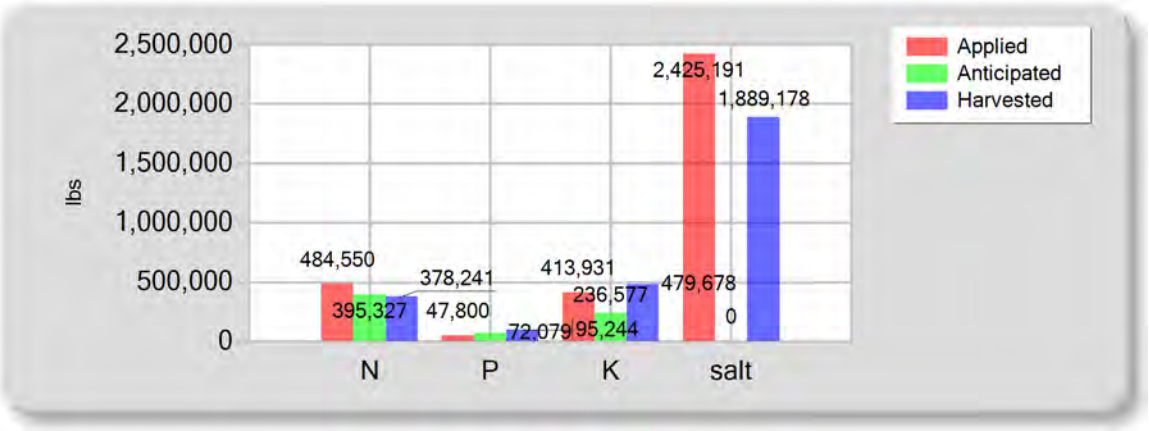
Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	44,220.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	419,209.26	47,799.82	413,931.34	1,960,341.39
Fresh water	10,802.50	0.00	0.00	464,849.76
Atmospheric deposition	10,318.00	0.00	0.00	0.00
Total nutrients applied	484,549.76	47,799.82	413,931.34	2,425,191.15
Anticipated crop nutrient removal	395,326.80	72,078.60	236,577.00	0.00
Actual crop nutrient removal	378,240.59	95,243.67	479,678.18	1,889,178.44
Nutrient balance	106,309.18	-47,443.85	-65,746.84	536,012.71
Applied to removed ratio	1.28	0.50	0.86	1.28

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL



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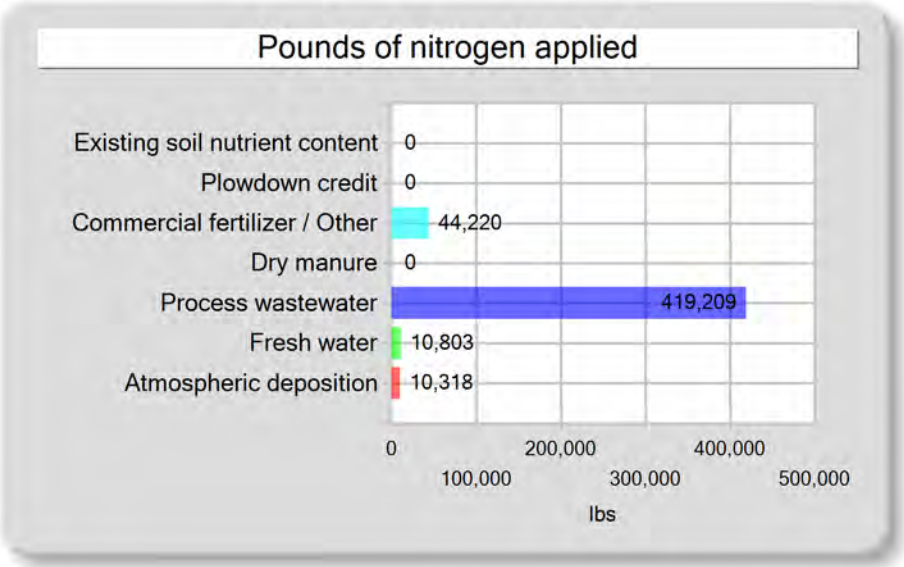
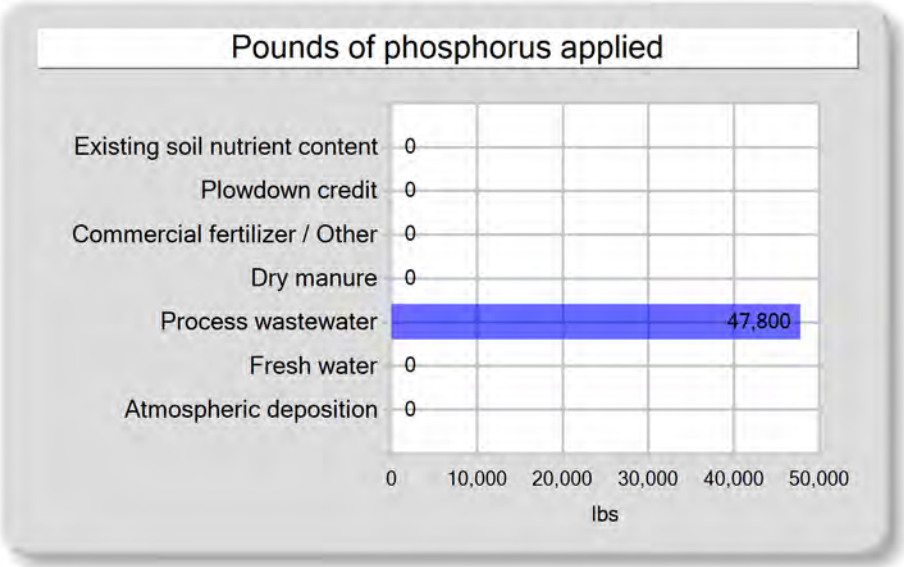
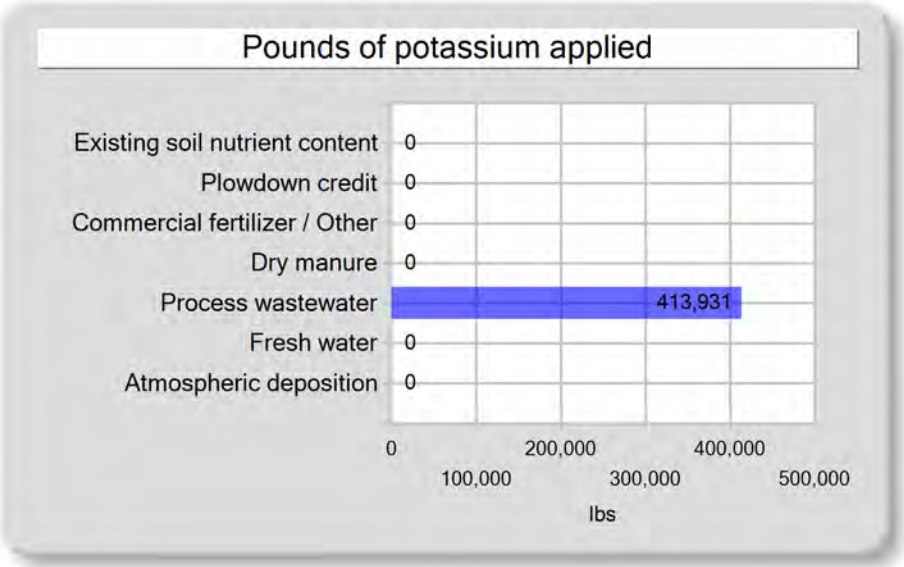
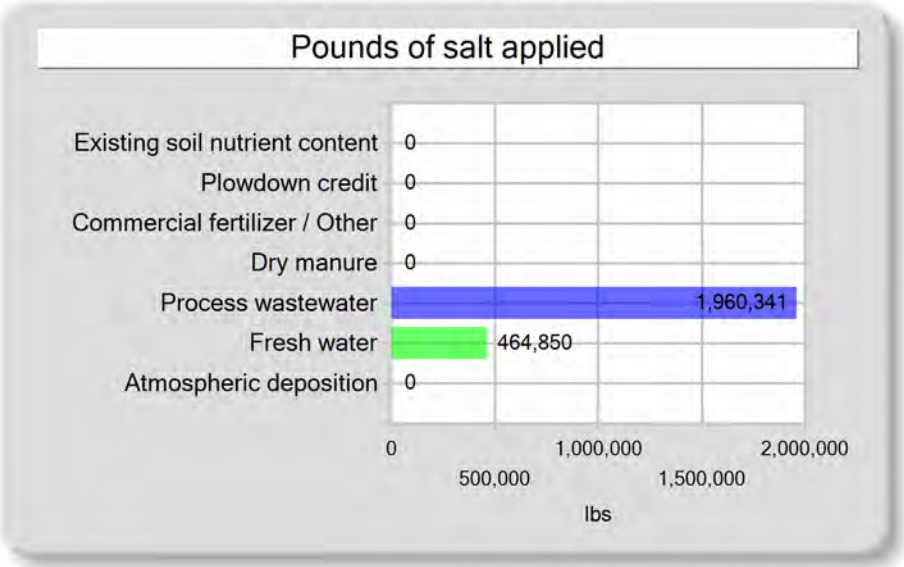
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE









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

ADDITIONAL NOTES

A. NOTES

Precipitation utilized during winter months to meet forage freshwater requirements.

Irrigation wells IW #2, 4, & 8 were non-operational in 2023 and IW #11 is operational but was not used in 2023. All wells will be sampled once the wells become operational and used during the cropping season. Heavy rains during the winter season allowed for sufficient amounts of surface water to grow crops .

Field 4 Wheat & 70 Wheat had lower than anticipated removal rates. This was due to a lower than expected yield and %N. The %N was based on analysis that was derived through a certified laboratory. However, the applications to these fields matched the low removal rates and was able to meet the field ratio threshold of 1.4.

Field 70 Corn had a lower than anticipated removal rate due to lower than anticipated %N and low tonnage. This resulted in field ratios slightly exceeding target limits.

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.

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Bert Wilgenburg	SAME AS OWNER
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/13/2024	
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.

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bryan Mello (559) 816-3889
Name Phone Number

DESTINATION INFORMATION

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

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

Brown's Dairy			(559) 582-2074
Name			Phone Number
14803 Grangeville BLVD	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

14803 Grangeville BLVD	Hanford	93230
Address	City	Zip Code
		Kings
Street and nearest cross street (if no address)		County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 05/30/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 2,400.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADE038A62462486...

Operator Signature — Date: 6/13/2024

DocuSigned by:
Bryan Mello
80B3F699CB514FA...

Hauler Signature — Date: 6/16/2024

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:

Bert Wilgenburg	(559) 381-1793
Name	Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person:

Bryan Mello	(559) 816-3889
Name	Phone Number

DESTINATION INFORMATION

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

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

Brown's Dairy	(559) 582-2074
Name	Phone Number

14803 Grangeville BLVD	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

14803 Grangeville BLVD	Hanford	93230
Address	City	Zip Code

	Kings
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 08/14/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 800.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A624B2486...
Operator Signature

6/13/2024
Date

DocuSigned by:
Bryan Mello
886BE688CB514FA...
Hauler Signature

6/16/2024
Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:

Bert Wilgenburg	(559) 381-1793
Name	Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person:

Bryan Mello	(559) 816-3889
Name	Phone Number

DESTINATION INFORMATION

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

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

Brown's Dairy	(559) 582-2074
Name	Phone Number

14803 Grangeville BLVD	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

14803 Grangeville BLVD	Hanford	93230
Address	City	Zip Code

	Kings
Street and nearest cross street (if no address)	County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/24/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 610.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A624624B6...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
88BBF899CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:

Bert Wilgenburg	(559) 381-1793
Name	Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person:

Bryan Mello	(559) 816-3889
Name	Phone Number

DESTINATION INFORMATION

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

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

Dream Dairy	(559) 816-2217
Name	Phone Number

15035 8th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

15035 7th AVE	Hanford	93230	
Address	City	Zip Code	
		Kings	
Street and nearest cross street (if no address)		County	

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 05/31/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 700.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A624824B6...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
89BBE699CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bryan Mello (559) 816-3889
Name Phone Number

DESTINATION INFORMATION

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

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

Family Orchards, Inc. (559) 859-5167
Name Phone Number

13085 S Zediker AVE	Kingsburg	CA	93631
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

13085 S Zediker AVE	Kingsburg	93631
Address	City	Zip Code

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

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 02/01/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 1,460.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A624824B6...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
68BBF699CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bryan Mello (559) 816-3889
Name Phone Number

DESTINATION INFORMATION

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

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

Family Orchards, Inc. (559) 859-5167
Name Phone Number

13085 S Zediker AVE	Kingsburg	CA	93631
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

13085 S Zediker AVE	Kingsburg	93631	
Address	City	Zip Code	
		Fresno	
Street and nearest cross street (if no address)		County	

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 04/27/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 320.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A82482486...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
89BBE699CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bryan Mello (559) 816-3889
Name Phone Number

DESTINATION INFORMATION

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

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

John Bettencourt (559) 730-0332
Name Phone Number

5498 7th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

5498 7th AVE	Hanford	93230
Address	City	Zip Code

Kings
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 08/10/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 900.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

Operator Signature — Date: 6/13/2024

DocuSigned by:
Bryan Mello
89BBE693CB514FA...

Hauler Signature — Date: 6/16/2024

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bryan Mello (559) 816-3889
Name Phone Number

DESTINATION INFORMATION

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

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

L&K Simas Farms (559) 584-4811
Name Phone Number

5339 14th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

5339 14th AVE	Hanford	93230
Address	City	Zip Code
		Kings
Street and nearest cross street (if no address)		County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 10/18/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 1,600.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038AC2482486...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
86BBF599CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: Joe Caton Trucking

Address of Hauling Company/Person:

3326 Warner RD	Ceres	CA	95307
Number and Street	City	State	Zip Code

Contact Person: Joe Caton (209) 537-9230
Name Phone Number

DESTINATION INFORMATION

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

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

Merced Ranch (209) 617-7755
Name Phone Number

7745 E Sandy Mush	Merced	CA	95341
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

7745 Sandy Mush	Merced	95341
Address	City	Zip Code

Merced
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 12/15/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 4,644.00 tons

Manure Solids Content: 62.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038AC62482486...

Operator Signature — Date: 6/13/2024

DocuSigned by:
Joe Caton
EFE2F59F67634B7...

Hauler Signature — Date: 6/19/2024

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:

Bert Wilgenburg	(559) 381-1793
Name	Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person:

Bryan Mello	(559) 816-3889
Name	Phone Number

DESTINATION INFORMATION

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

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

Richard Guecho	(559) 582-1366
Name	Phone Number

6748 Elder AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

6748 Elder AVE	Hanford	93230	
Address	City	Zip Code	
		Kings	
Street and nearest cross street (if no address)		County	

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 09/08/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 200.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
89BBE899CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:

Bert Wilgenburg	(559) 381-1793
Name	Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person:

Bryan Mello	(559) 816-3889
Name	Phone Number

DESTINATION INFORMATION

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

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

Richard Guecho	(559) 582-1366
Name	Phone Number

6748 Elder AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

6748 Elder AVE	Hanford	93230	
Address	City	Zip Code	
		Kings	
Street and nearest cross street (if no address)		County	

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 09/30/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 400.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A624B2486...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
89BBE099CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

MANURE HAULER INFORMATION

Name of Hauling Company/Person: B. Mello Ag Services

Address of Hauling Company/Person:

5771 7th AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bryan Mello (559) 816-3889
Name Phone Number

DESTINATION INFORMATION

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

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

Superior Soil Supplements (559) 584-7695
Name Phone Number

10367 Houston AVE	Lemoore	CA	93245
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

10367 Houston AVE	Lemoore	93245
Address	City	Zip Code

Kings
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 04/05/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

MANURE AMOUNT HAULED

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

Manure: 75.00 tons

Manure Solids Content: 25.1 %

Method used to determine amount of manure:

Number of loads multiplied by load weight

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038AC2482486...

6/13/2024

Operator Signature — Date

DocuSigned by:
Bryan Mello
86BBF599CB514FA...

6/16/2024

Hauler Signature — Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Flint Dairy

Address of Hauling Company/Person:

6552 Flint AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bert Wilgenburg (559) 381-1778
Name Phone Number

DESTINATION INFORMATION

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

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

Wilgenburg West Feedlot (559) 381-1793
Name Phone Number

7442 7th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

7442 7th AVE	Hanford	93230
Address	City	Zip Code
		Kings
Street and nearest cross street (if no address)		County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 01/01/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 441,000 gallons

Method used to determine volume of process wastewater:

Pump rate (GPM) multiplied by run time

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

[X] YES [ ] NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Operator Signature Date

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Hauler Signature Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Flint Dairy

Address of Hauling Company/Person:

6552 Flint AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bert Wilgenburg (559) 381-1778
Name Phone Number

DESTINATION INFORMATION

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

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

Wilgenburg West Feedlot (559) 381-1793
Name Phone Number

7442 7th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

7442 7th AVE	Hanford	93230
Address	City	Zip Code

Kings
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 02/28/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 720,000 gallons

Method used to determine volume of process wastewater:

Pump rate (GPM) multiplied by run time

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

[X] YES [ ] NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Operator Signature Date

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Hauler Signature Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:

Bert Wilgenburg	(559) 381-1793
Name	Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Flint Dairy

Address of Hauling Company/Person:

6552 Flint AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person:

Bert Wilgenburg	(559) 381-1778
Name	Phone Number

DESTINATION INFORMATION

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

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

Wilgenburg West Feedlot	(559) 381-1793
Name	Phone Number

7442 7th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

7442 7th AVE	Hanford	93230	
Address	City	Zip Code	
		Kings	
Street and nearest cross street (if no address)		County	

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 05/14/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 1,413,000 gallons

Method used to determine volume of process wastewater:

Pump rate (GPM) multiplied by run time

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

[X] YES [ ] NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Operator Signature Date

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Hauler Signature Date

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

INSTRUCTIONS

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

OPERATOR INFORMATION

Name of Operator: Bert Wilgenburg

Name of Dairy Facility: Flint Dairy

Facility Address:

6511 Flint Ave.	Hanford	Kings	93230
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Bert Wilgenburg (559) 381-1793
Name Phone Number

PROCESS WASTEWATER HAULER INFORMATION

Name of Hauling Company/Person: Flint Dairy

Address of Hauling Company/Person:

6552 Flint AVE	Hanford	CA	93230
Number and Street	City	State	Zip Code

Contact Person: Bert Wilgenburg (559) 381-1778
Name Phone Number

DESTINATION INFORMATION

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

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

Wilgenburg West Feedlot (559) 381-1793
Name Phone Number

7442 7th AVE	Hanford	CA	93230
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

7442 7th AVE	Hanford	93230
Address	City	Zip Code

Kings
Street and nearest cross street (if no address) County

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 08/19/2023

Manure / Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

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

PROCESS WASTEWATER AMOUNT HAULED

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount:

Process Wastewater: 1,248,000 gallons

Method used to determine volume of process wastewater:

Pump rate (GPM) multiplied by run time

WRITTEN AGREEMENT

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use?

[X] YES [ ] NO

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

_____ (Operator shall provide initials here to acknowledge this requirement)

CERTIFICATION

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

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Operator Signature Date

DocuSigned by:
Bert Wilgenburg
ADF038A62482486...

6/13/2024

Hauler Signature Date

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23J0978-01	DW #6 (Spigot)	Ag Water			10/12/2023 14:30
23J0978-02	DW #7 (Spigot)	Ag Water			10/12/2023 14:40
23J0978-03	IW #10 (Spigot)	Ag Water			10/12/2023 14:35
23J0978-04	DW #9 (Spigot)	Ag Water			10/12/2023 14:39
23J0978-05	IW #13 (Spigot)	Ag Water			10/12/2023 14:34
23J0978-06	IW #3 (Spigot)	Ag Water			10/12/2023 14:40
23J0978-07	DW #12 (Spigot)	Ag Water			10/12/2023 14:45
23J0978-08	IW #1 (Spigot)	Ag Water			10/12/2023 14:45
23J0978-09	IW #5 (Spigot)	Ag Water			10/12/2023 15:00

Default Cooler Temperature on Receipt °C: 22.4
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results

Sample: DW #6 (Spigot)
23J0978-01 (Water)

Sampled: 10/12/2023 14:30
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.67**	mmhos/cm	0.01	1		10/13/23 12:13	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**670**	umhos/cm	10.0	1		10/13/23 12:13	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:30	Field		BEJ0566
Nitrate Nitrogen as NO3N	**26.7**	mg/L	0.1	1	10	10/13/23 17:27	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:13	SM 4500-H+		BEJ0570
pH	**8.0**	units	1.0	1		10/13/23 12:13	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: DW #7 (Spigot)
23J0978-02 (Water)

Sampled: 10/12/2023 14:40
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.60**	mmhos/cm	0.01	1		10/13/23 12:14	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**598**	umhos/cm	10.0	1		10/13/23 12:14	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:40	Field		BEJ0566
Nitrate Nitrogen as NO3N	**17.4**	mg/L	0.1	1	10	10/13/23 17:47	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:14	SM 4500-H+		BEJ0570
pH	**8.2**	units	1.0	1		10/13/23 12:14	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: IW #10 (Spigot)
23J0978-03 (Water)

Sampled: 10/12/2023 14:35
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.26**	mmhos/cm	0.01	1		10/13/23 12:15	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**264**	umhos/cm	10.0	1		10/13/23 12:15	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:35	Field		BEJ0566
Nitrate Nitrogen as NO3N	**2.2**	mg/L	0.1	1	10	10/13/23 18:07	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:15	SM 4500-H+		BEJ0570
pH	**8.9**	units	1.0	1		10/13/23 12:15	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: DW #9 (Spigot)
23J0978-04 (Water)

Sampled: 10/12/2023 14:39
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.26**	mmhos/cm	0.01	1		10/13/23 12:17	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**260**	umhos/cm	10.0	1		10/13/23 12:17	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:39	Field		BEJ0566
Nitrate Nitrogen as NO3N	**1.7**	mg/L	0.1	1	10	10/13/23 18:27	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:17	SM 4500-H+		BEJ0570
pH	**8.8**	units	1.0	1		10/13/23 12:17	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: IW #13 (Spigot)
23J0978-05 (Water)

Sampled: 10/12/2023 14:34
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.41**	mmhos/cm	0.01	1		10/13/23 12:18	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**408**	umhos/cm	10.0	1		10/13/23 12:18	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:34	Field		BEJ0566
Nitrate Nitrogen as NO3N	**2.9**	mg/L	0.1	1	10	10/13/23 18:47	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:18	SM 4500-H+		BEJ0570
pH	**8.7**	units	1.0	1		10/13/23 12:18	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: IW #3 (Spigot)
23J0978-06 (Water)

Sampled: 10/12/2023 14:40
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.59**	mmhos/cm	0.01	1		10/13/23 12:19	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**586**	umhos/cm	10.0	1		10/13/23 12:19	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:40	Field		BEJ0566
Nitrate Nitrogen as NO3N	**13.7**	mg/L	0.1	1	10	10/13/23 21:26	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:19	SM 4500-H+		BEJ0570
pH	**8.2**	units	1.0	1		10/13/23 12:19	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: DW #12 (Spigot)
23J0978-07 (Water)

Sampled: 10/12/2023 14:45
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.37**	mmhos/cm	0.01	1		10/13/23 12:20	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**368**	umhos/cm	10.0	1		10/13/23 12:20	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:45	Field		BEJ0566
Nitrate Nitrogen as NO3N	**6.9**	mg/L	0.1	1	10	10/13/23 21:46	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:20	SM 4500-H+		BEJ0570
pH	**8.0**	units	1.0	1		10/13/23 12:20	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: IW #1 (Spigot)
23J0978-08 (Water)

Sampled: 10/12/2023 14:45
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.30**	mmhos/cm	0.01	1		10/13/23 12:22	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**296**	umhos/cm	10.0	1		10/13/23 12:22	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 14:45	Field		BEJ0566
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	10/13/23 22:05	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:22	SM 4500-H+		BEJ0570
pH	**9.1**	units	1.0	1		10/13/23 12:22	SM 4500-H+		BEJ0570

DELLAVALLE™
LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Sample Results
(Continued)

Sample: IW #5 (Spigot)
23J0978-09 (Water)

Sampled: 10/12/2023 15:00
Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.26**	mmhos/cm	0.01	1		10/13/23 12:23	SM 2510 B		BEJ0570
Electrical Conductivity umhos	**262**	umhos/cm	10.0	1		10/13/23 12:23	SM 2510 B		BEJ0570
Ammonia (as N)	ND	mg/L	0.00	1		10/12/23 15:00	Field		BEJ0566
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	10/13/23 22:25	EPA 300.0		BEJ0568
Temperature	**25.0**	units	0.0	1		10/13/23 12:23	SM 4500-H+		BEJ0570
pH	**9.3**	units	1.0	1		10/13/23 12:23	SM 4500-H+		BEJ0570

DELLAVALLE™ LABORATORY INC

Flint Dairy
6511 Flint Ave
Hanford, CA 93230

Account# 00-0015656
Account Manager: Ben Nydam
Submitted By: Lucas Wilgenburg

Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEJ0568										
Blank (BEJ0568-BLK1)					Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEJ0568-BLK2)					Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEJ0568-BLK3)					Prepared: 10/13/2023 Analyzed: 10/14/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEJ0568-BS1)					Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		100	90-110		
LCS (BEJ0568-BS2)					Prepared: 10/13/2023 Analyzed: 10/14/2023					
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		100	90-110		
Duplicate (BEJ0568-DUP1)		**Source: 23J0940-01**			Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	0.03		0.1	mg/L		0.03			6.06	10
Duplicate (BEJ0568-DUP2)		**Source: 23J0978-09**			Prepared: 10/13/2023 Analyzed: 10/14/2023					
Nitrate Nitrogen as NO3N	0.03		0.1	mg/L		0.03			3.08	10
Matrix Spike (BEJ0568-MS1)		**Source: 23J0940-01**			Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000	0.03	95.6	90-110		
Matrix Spike (BEJ0568-MS2)		**Source: 23J0978-09**			Prepared: 10/13/2023 Analyzed: 10/14/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000	0.03	95.5	90-110		
Reference (BEJ0568-SRM1)					Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	9.6			mg/L	10.00		96.4	90-110		
Reference (BEJ0568-SRM2)					Prepared & Analyzed: 10/13/2023					
Nitrate Nitrogen as NO3N	9.7			mg/L	10.00		97.2	90-110		
Reference (BEJ0568-SRM3)					Prepared: 10/13/2023 Analyzed: 10/14/2023					
Nitrate Nitrogen as NO3N	9.7			mg/L	10.00		97.1	90-110		

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Reported: 10/16/2023 14:35

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEJ0570										
Blank (BEJ0570-BLK1)					Prepared & Analyzed: 10/13/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEJ0570-BLK2)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	6.0		1.0	units						
Blank (BEJ0570-BLK3)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
pH	5.9		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEJ0570-DUP1)		**Source: 23J0978-07**			Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	0.37		0.01	mmhos/cm		0.37			0.655	10
pH	8.0		1.0	units		8.0			0.125	10
Electrical Conductivity umhos	365		10.0	umhos/cm		368			0.655	10
Duplicate (BEJ0570-DUP2)		**Source: 23J0980-02**			Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	0.44		0.01	mmhos/cm		0.41			6.84	10
Electrical Conductivity umhos	441		10.0	umhos/cm		412			6.84	10
pH	8.0		1.0	units		8.0			0.00	10
Reference (BEJ0570-SRM1)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	525			umhos/cm	538.0		97.7	90-110		
Reference (BEJ0570-SRM2)					Prepared & Analyzed: 10/13/2023					
pH	5.8			units	5.820		101	28178-101.7		
Reference (BEJ0570-SRM3)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	981			umhos/cm	1000		98.1	90-110		
Electrical Conductivity umhos	981			umhos/cm	1000		98.1	90-110		
Reference (BEJ0570-SRM4)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	984			umhos/cm	1000		98.4	90-110		
Electrical Conductivity umhos	984			umhos/cm	1000		98.4	90-110		
Reference (BEJ0570-SRM5)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity	990			umhos/cm	1000		99.0	90-110		

DELLAVALLE™
LABORATORY INC

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Account# 00-0015656
Account Manager: Ben Nydam
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Received: 10/13/2023 8:12
Reported: 10/16/2023 14:35

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEJ0570 (Continued)										
Reference (BEJ0570-SRM5)					Prepared & Analyzed: 10/13/2023					
Electrical Conductivity umhos	990			umhos/cm	1000		99.0	90-110		
Reference (BEJ0570-SRM6)					Prepared & Analyzed: 10/13/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEJ0570-SRM7)					Prepared & Analyzed: 10/13/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEJ0570-SRM8)					Prepared & Analyzed: 10/13/2023					
pH	4.0			units	4.000		101	97.5-102.5		

10/13/23 08:12 23J0978

WATER WORK REQUEST

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

Acct No. 15656 Cons. 08

Bill To:

Purchase Order No. Results Needed By

Client: **Flint Dairy**
Address: 6511 Flint Ave
City, State, Zip: Hanford, CA 93230
Email: flintdairy@yahoo.com, lucas.wilgenburg@gmail.com

Copy to: ariordan@fragservices.com

Requested by/Cell: Lucas Wilgenburg (559) 584-1581

Facility: 0

Date sampled

Sampled by

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

No. of Samples 9 No. Bottles 9

Water Type: ☐ Drinking ☐ Wastewater ☐ Ag Water ☐ Ground Water ☐ Mon. Well ☐ Supply Water ☐ Other

Analysis and Bottles Required: *(Please Indicate Analysis)*

- ☑ DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test**) *(1) 1 L plastic, unpreserved (white)*
- ☐ DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS) *(1) 1 L plastic, unpreserved (white)*
- ☐ DCW1: (EC, NO_3-N, TDS) *(1) 1 L plastic, unpreserved (white)*
- ☐ DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK) *(1) 1 L plastic, unpreserved (white)*
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl) *(1) 1 L plastic, unpreserved (white)*
- ☐ Other

DESCRIPTION OF SAMPLES

		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. DW #6	Sampled From: SP16OT	101223	1430	0	22.4/2.3
2. DW #7	Sampled From: SP16OT	101223	1440	0	22.9/1.1
3. IW #10	Sampled From: SP16OT	101223	1435	0	22.4/-0.6
4. DW #9	Sampled From: SP16OT	101223	1439	0	21.8/-0.6
5. IW #13	Sampled From: SP16OT	101223	1434	0	22.7/0.6
6. IW #3	Sampled From: SP16OT	101223	1440	0	21.9/1.3
7. DW #12	Sampled From: SP16OT	101223	1445	0	23.8/0.3
8. IW #1	Sampled From: SP16OT	101223	1445	0	23.9/1.1
9. IW #5	Sampled From: SP16OT	101223	1600	0	24.2/0.3
10.	Sampled From: SP16OT	101223			

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First		Flint		
Second	Pamela Proctor	DL	101223 1540	
Third	MM	DLI	10/13 8:12	
Fourth				

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 dated 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 prties 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:
Invoicing
Sampling Hrs ___ Miles ___ Consulting ___
Amt Paid Rec By Check No. Date

Shipping
$ ___ In
$ ___ Out

Signature

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt update 2020

IR Thermometer SN: 221511276
Correction Factor: 0°C
Calibration Due: 12/22/2023
Location: Hanford

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 12/22/2023
Location: Laboratory

10/13/23 08:12 23J0978

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☐ DLI Sampler ☑ Other ☐ _____

☐ Samples refrigerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☑ Box ☐ None ☐ **Refrigerant:** Wet Ice ☑ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1	1	1	1	1	1	1	
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1713-01	Canal	Ag Water	Antonio	Canal	08/18/2023 7:10

Default Cooler Temperature on Receipt °C: -0.6
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

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

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Reported: 08/24/2023 16:26

Sample Results

Sample: Canal
23H1713-01 (Water)

Sampled: 8/18/2023 7:10
Sampled By: Antonio

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.04**	mmhos/cm	0.01	1		08/21/23 16:25	SM 2510 B		BEH0950
Electrical Conductivity umhos	**40.6**	umhos/cm	10.0	1		08/21/23 16:25	SM 2510 B		BEH0950
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 18:11	EPA 300.0		BEH0944
pH	**7.7**	units	1.0	1		08/21/23 16:25	SM 4500-H+	H	BEH0950
Total Filterable Solids (TDS)	**37.0**	mg/L	10.0	1		08/23/23 15:00	SM 2540 C		BEH0981
Temperature	**25.0**	°C	0.0	1		08/21/23 16:25	SM 2510 B		BEH0950
Kjeldahl Nitrogen (TKN), Total	ND	mg/L	1.00	1		08/23/23 15:33	SM 4500-NH3 C		BEH1052
Total Nitrogen	ND	mg/L	1.00	1		08/23/23 15:33	SM 4500-NH3 C		BEH1052

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Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0944										
Blank (BEH0944-BLK1)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0944-BLK2)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0944-BLK3)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEH0944-BLK4)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEH0944-BS1)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
LCS (BEH0944-BS2)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
LCS (BEH0944-BS3)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Duplicate (BEH0944-DUP1)		**Source: 23H1712-02**			Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	0.06		0.1	mg/L		0.06			0.00	10
Duplicate (BEH0944-DUP2)		**Source: 23H1717-05**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	0.09		0.1	mg/L		0.08			3.47	10
Duplicate (BEH0944-DUP3)		**Source: 23H1758-01**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	1.7		0.1	mg/L		1.7			0.532	10
Matrix Spike (BEH0944-MS1)		**Source: 23H1712-02**			Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000	0.06	102	90-110		
Matrix Spike (BEH0944-MS2)		**Source: 23H1717-05**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000	0.08	101	90-110		
Matrix Spike (BEH0944-MS3)		**Source: 23H1758-01**			Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	6.9		0.1	mg/L	5.000	1.7	104	90-110		
Reference (BEH0944-SRM1)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEH0944-SRM2)					Prepared & Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		

DELLAVALLE™
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Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0944 (Continued)										
Reference (BEH0944-SRM3)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEH0944-SRM4)					Prepared & Analyzed: 8/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

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Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0950										
Blank (BEH0950-BLK1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.3		1.0	units						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEH0950-BLK2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.6		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Blank (BEH0950-BLK3)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Duplicate (BEH0950-DUP1)		**Source: 23H1684-01**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	0.15		0.01	mmhos/cm		0.15			0.781	10
pH	7.6		1.0	units		7.6			0.393	10
Electrical Conductivity umhos	153		10.0	umhos/cm		154			0.781	10
Duplicate (BEH0950-DUP2)		**Source: 23H1684-03**			Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	0.39		0.01	mmhos/cm		0.40			0.761	10
pH	7.6		1.0	units		7.6			0.393	10
Electrical Conductivity umhos	392		10.0	umhos/cm		396			0.761	10
Reference (BEH0950-SRM1)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	508			umhos/cm	538.0		94.5	90-110		
Reference (BEH0950-SRM2)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	5.8			units	5.820		99.8	28178-101.7		
Reference (BEH0950-SRM3)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	958			umhos/cm	1000		95.8	90-110		
Electrical Conductivity umhos	958			umhos/cm	1000		95.8	90-110		
Reference (BEH0950-SRM4)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	958			umhos/cm	1000		95.8	90-110		
Electrical Conductivity umhos	958			umhos/cm	1000		95.8	90-110		
Reference (BEH0950-SRM5)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity	969			umhos/cm	1000		96.9	90-110		

DELLAVALLE™
LABORATORY INC

Antonio Garcia Dairy
6571 Fargo Ave
Hanford, CA 93230-9421

Account# 00-0015887
Account Manager: Ben Nydam
Submitted By: Antonio/Mary Garcia

Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0950 (Continued)										
Reference (BEH0950-SRM5)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
Electrical Conductivity umhos	969			umhos/cm	1000		96.9	90-110		
Reference (BEH0950-SRM6)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEH0950-SRM7)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEH0950-SRM8)					Prepared: 8/18/2023 Analyzed: 8/21/2023					
pH	4.0			units	4.000		100	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0981										
Blank (BEH0981-BLK1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEH0981-BS1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	32.5		10.0	mg/L	2000		1.62	0-200		
Duplicate (BEH0981-DUP1)		**Source: 23H1633-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	3550		10.0	mg/L		3280			7.80	10
Duplicate (BEH0981-DUP2)		**Source: 23H1667-02**			Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	950		10.0	mg/L		950			0.00	10
Reference (BEH0981-SRM1)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	330			mg/L	325.0		102	90-110		
Reference (BEH0981-SRM2)					Prepared: 8/21/2023 Analyzed: 8/23/2023					
Total Filterable Solids (TDS)	490			mg/L	495.0		99.0	90-110		

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LABORATORY INC

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Received: 08/18/2023 12:14
Reported: 08/24/2023 16:26

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH1052										
Blank (BEH1052-BLK1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
Blank (BEH1052-BLK2)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.00	mg/L						
Total Nitrogen	ND		1.00	mg/L						
LCS (BEH1052-BS1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	5.83		1.00	mg/L	5.709		102	90-110		
LCS (BEH1052-BS2)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	5.84		1.00	mg/L	5.709		102	90-110		
Duplicate (BEH1052-DUP1)		**Source: 23H1667-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	13.8		3.50	mg/L		13.6			1.92	10
Duplicate (BEH1052-DUP2)		**Source: 23H1712-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	ND		1.40	mg/L		ND				10
Matrix Spike (BEH1052-MS1)		**Source: 23H1667-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	24.8		3.50	mg/L	9.990	13.6	112	90-110		
Matrix Spike (BEH1052-MS2)		**Source: 23H1712-02**			Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	8.39		1.40	mg/L	7.992	ND	105	90-110		
Reference (BEH1052-SRM1)					Prepared: 8/22/2023 Analyzed: 8/23/2023					
Kjeldahl Nitrogen (TKN), Total	24.0			mg/L	23.80		101	90-110		

08/18/23 12:14 23H1713

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

Purchase Order No | Bill To: 15887 Acct # | 08 Cons # | No. Samples: 1 | No of Bottles:

Results Need By

Name: Antonio Garcia Dairy
Address: 6571 Fargo Avenue
City: Hanford **State:** CA **Zip:** 93230
Telephone: **Fax:**
Cell/Email:
COPY TO: ariordan@fragservices.com

REQUESTED BY: Antonio/Mary Garcia
PROJECT:
CROP: CANAL

[X] Copy of Chain [X] QA/QC Documents
Sampled By: ANTONIO

Water Type: [ ] Drinking Water [ ] Wastewater
[✓] Ag Water [ ] Groundwater [ ] Monitoring Well

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH_4-N
1	CANAL	8/18/23	0710	-0.6	
2					
3					
4					
5					
6					
7					
8					
9					
10					

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 9/26/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/18/23 0900	8/18/23
Second				
Third				
Fourth	JDS	DLL	8/18/23 12:14	

I guarantee that as the client or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated 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:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

08/18/23 12:14 23H1713

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☒ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☒ Box ☐ None ☐ **Refrigerant:** Wet Ice ☒ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☒ 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 $Na_2S_2O_3$ (Green)										
Plastics: 250 mL unpreserved (White) Plastic										
Plastics: 250 mL HNO_3 (Red) Plastic										
Plastics: * pH Value										
Plastics: 250 mL H_2SO_4 (Yellow) Plastic	1									
Plastics: * pH Value	<2									
Plastics: 500 mL unpreserved (White) Plastic										
Plastics: 1 L unpreserved (White) Plastic	1									
Plastics: 1 L unpreserved (BOD) (Purple) Plastic										
Special: 500mL unpreserved (White) Glass										
Special: PO4-P Kit										
Special: **Other:**										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*										
Plastics: 100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics: 250 mL unpreserved (White) Plastic										
Plastics: 250 mL HNO_3 (Red) Plastic										
Plastics: 250 mL H_2SO_4 (Yellow) Plastic										
Plastics: 500 mL HNO_3 (Red)										
Plastics: 1 L unpreserved (White) Plastic										
Plastics: 1 L unpreserved (BOD) (Purple) Plastic										
Plastics: 1 L HNO_3 (Red)										
VOA Vials: 40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
VOA Vials: 40 mL VOA, $Na_2S_2O_3$ (EPA547)										
VOA Vials: 40mL AG VOA unpreserved (White) (Set of 3)										
VOA Vials: 40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
VOA Vials: 40mL VOA, H_3PO_4 (Set of 3)										
VOA Vials: 40 mL VOA, HCl (Blue) (Set of 3)										
VOA Vials: 40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass: 250 mL AG unpreserved (White)										
Glass: 250 mL AG H_2SO_4 (Yellow)										
Glass: 250 mL AG $Na_2S_2O_3$ (Green)										
Glass: 250 mL AG $Na_2S_2O_3$ + MCAA										
Glass: 500 mL glass unpreserved (White)										
Glass: 500 mL AG HCl (Blue)										
Glass: 1 L AG unpreserved (White)										
Glass: 1 L AG H_2SO_4 (Yellow)										
Glass: 1 L AG $Na_2S_2O_3$ (Green)										
Glass: 1 L AG HCl (Blue)										
Special: Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
Special: Cyanide - 500 mL NaOH										
Special: Asbestos - 1L P wrapped in foil (Set of 2)										
Special: Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
Special: Chlorite/Bromate - 250 mL AG with EDA										
Special: HAA5 - 250mL AG Ammonium Chlorite										
Special: DO KIT										
Special: **Other:**										
Special: **Other:**										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025

08/18/23 12:14 23H1713

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

Purchase Order No | Bill To: 15887 Acct # | 08 Cons # | No. Samples: 1 | No of Bottles:

Results Need By

Name: Antonio Garcia Dairy
Address: 6571 Fargo Avenue
City: Hanford **State:** CA **Zip:** 93230
Telephone: **Fax:**
Cell/Email:
COPY TO: ariordan@fragservices.com

REQUESTED BY: Antonio/Mary Garcia
PROJECT:
CROP: CANAL

[X] Copy of Chain [X] QA/QC Documents
Sampled By: ANTONIO

Water Type: [ ] Drinking Water [ ] Wastewater
[✓] Ag Water [ ] Groundwater [ ] Monitoring Well

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

( ) DWW1: EC, NO_3-N NH4-N Field Test
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DWW2: DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
(✓) DCW1: EC, NO_3-N, TKN, TN, TDS
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW1: EC, NO_3-N, NH_4-N, TKN, TDS, TP, TK
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) DPW2: DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl
(1-1 Liter Plastic, Unpreserved) White Per Sample
( ) Other

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field NH_4-N
1	CANAL	8/18/23	0710	-0.6	
2					
3					
4					
5					
6					
7					
8					
9					
10					

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 9/26/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Alex Riordan	F&R Ag Services	8/18/23 0900	8/18/23
Second				
Third				
Fourth	JDS	DLL	8/18/23 12:14	

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Invoicing Information:
Sampling hrs
Miles
Consulting

Shipping
$ In
$ Out

Amt Paid	Rec By	Check #	Date

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

08/18/23 12:14 23H1713

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☒ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☒ Box ☐ None ☐ **Refrigerant:** Wet Ice ☒ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☒ 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 $Na_2S_2O_3$ (Green)										
Plastics: 250 mL unpreserved (White) Plastic										
Plastics: 250 mL HNO_3 (Red) Plastic										
Plastics: * pH Value										
Plastics: 250 mL H_2SO_4 (Yellow) Plastic	1									
Plastics: * pH Value	<2									
Plastics: 500 mL unpreserved (White) Plastic										
Plastics: 1 L unpreserved (White) Plastic	1									
Plastics: 1 L unpreserved (BOD) (Purple) Plastic										
Special: 500mL unpreserved (White) Glass										
Special: PO4-P Kit										
Special: **Other:**										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*										
Plastics: 100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics: 250 mL unpreserved (White) Plastic										
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Plastics: 250 mL H_2SO_4 (Yellow) Plastic										
Plastics: 500 mL HNO_3 (Red)										
Plastics: 1 L unpreserved (White) Plastic										
Plastics: 1 L unpreserved (BOD) (Purple) Plastic										
Plastics: 1 L HNO_3 (Red)										
VOA Vials: 40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
VOA Vials: 40 mL VOA, $Na_2S_2O_3$ (EPA547)										
VOA Vials: 40mL AG VOA unpreserved (White) (Set of 3)										
VOA Vials: 40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
VOA Vials: 40mL VOA, H_3PO_4 (Set of 3)										
VOA Vials: 40 mL VOA, HCl (Blue) (Set of 3)										
VOA Vials: 40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass: 250 mL AG unpreserved (White)										
Glass: 250 mL AG H_2SO_4 (Yellow)										
Glass: 250 mL AG $Na_2S_2O_3$ (Green)										
Glass: 250 mL AG $Na_2S_2O_3$ + MCAA										
Glass: 500 mL glass unpreserved (White)										
Glass: 500 mL AG HCl (Blue)										
Glass: 1 L AG unpreserved (White)										
Glass: 1 L AG H_2SO_4 (Yellow)										
Glass: 1 L AG $Na_2S_2O_3$ (Green)										
Glass: 1 L AG HCl (Blue)										
Special: Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
Special: Cyanide - 500 mL NaOH										
Special: Asbestos - 1L P wrapped in foil (Set of 2)										
Special: Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
Special: Chlorite/Bromate - 250 mL AG with EDA										
Special: HAA5 - 250mL AG Ammonium Chlorite										
Special: DO KIT										
Special: **Other:**										
Special: **Other:**										

pH Strips
Lot: 10BDH4501 Exp: Jan 2025