

**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:** DOUBLE "N" DAIRY

Physical address of dairy:

12700 EVERETT AVE

Number and Street

HANFORD,CA

City

Kings

County

93230

Zip Code

Street and nearest cross street (if no address): \_\_\_\_\_

Date facility was originally placed in operation: 01/01/1954Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0006-0020-0038-0000**B. OPERATORS**

Netto, Frank

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

Landline

Cellular

10044 Flint AVE

Mailing Address Number and Street

Hanford

City

CA

State

93230

Zip Code

Netto, James

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

Landline

Cellular

10044 Flint AVE

Mailing Address Number and Street

Hanford

City

CA

State

93230

Zip Code

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

Netto, Cindy

Legal owner name: Netto, CindyTelephone no.: (559) 585-2097

Landline

Cellular

10044 Flint AVE

Mailing Address Number and Street

Hanford

City

CA

State

93230

Zip Code

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***Netto, Delia**Legal owner name: Netto, DeliaTelephone no.: (559) 585-2097

Landline

Cellular

10044 Flint AVEHanfordCA93230

Mailing Address Number and Street

City

State

Zip Code

**Netto, Frank**Legal owner name: Netto, FrankTelephone no.: (559) 585-2097

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**Netto, James**Legal owner name: Netto, JamesTelephone no.: (559) 585-2097

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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	935	100	0	0	160	0
Number under roof	0	0	0	0	0	0
Maximum number	935	100	0	0	160	0
Average number	935	100	0	0	160	0
Avg live weight (lbs)	1,200	1,300	0	0		

Predominant milk cow breed: Holstein

Average milk production: 69 pounds per cow per day

### B. MANURE GENERATED

Total manure excreted by the herd: 25,829.38 tons per reporting period

Total nitrogen from manure: 338,571.67 lbs per reporting period

After ammonia losses (30% loss applied): 237,000.17 lbs per reporting period

Total phosphorus from manure: 55,810.63 lbs per reporting period

Total potassium from manure: 178,446.83 lbs per reporting period

Total salt from manure: 463,239.75 lbs per reporting period

### C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 20,950,000 gallons

Total nitrogen generated: 61,716.64 lbs

Total phosphorus generated: 11,790.01 lbs

Total potassium generated: 78,883.44 lbs

Total salt generated: 487,054.05 lbs

	20,950,000 gallons applied
+	0 gallons exported
-	0 gallons imported
=	20,950,000 gallons generated

### D. FRESH WATER SOURCES

Source Description	Type
Barn	Ground water
Canal	Surface 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.*

*No commercial or other nutrient imports entered.*

**G. NUTRIENT EXPORTS**

*No solid nutrient exports entered.*

*No liquid nutrient exports entered.*

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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 00	18	18	0	none	X006-X020-X009-XXXX
Field 1	15	15	2	process wastewater	X006-X020-X101-XXXX
Field 10	16	16	0	none	X006-X020-X003-XXXX X006-X020-X010-XXXX
Field 11	30	30	2	process wastewater	X006-X020-X035-XXXX
Field 12	40	40	2	both	X006-X020-X011-XXXX
Field 13	13	13	0	none	X006-X020-X012-XXXX
Field 14	23	23	0	none	X006-X020-X012-XXXX
Field 2	30	30	2	process wastewater	X006-X020-X101-XXXX
Field 24	3	3	0	none	X006-X040-X098-XXXX
Field 25	4	4	0	none	X006-X040-X125-XXXX
Field 3	20	20	2	process wastewater	X006-X020-X101-XXXX
Field 4	17	17	2	both	X006-X020-X005-XXXX X006-X020-X006-XXXX
Field 5	23	23	0	none	X006-X020-X004-XXXX
Field 6	19	19	0	none	X006-X020-X003-XXXX X006-X020-X010-XXXX
Field 7	7	7	1	process wastewater	X006-X020-X038-XXXX
Field 8	30	30	0	none	X006-X020-X038-XXXX
Field 9	20	20	0	none	X006-X020-X007-XXXX X006-X020-X008-XXXX
GN House	5	5	0	none	X006-X020-X094-XXXX
Totals for areas that were used for application	159	159	13		
Totals for areas that were not used for application	174	174	0		
Land application area totals	333	333	13		

**B. CROPS AND HARVESTS**

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

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## Field 1

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

Crop: Wheat, silage, boot stageAcres planted: 15 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	385.88 ton	Dry-weight		67.8	12,200.00	3,400.00	17,300.00		9.81

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	25.73	202.12	56.33	286.61	1,625.23

06/01/2023: Corn, silage

Crop: Corn, silageAcres planted: 15 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	431.20 ton	Dry-weight		70.2	15,100.00	3,400.00	17,400.00		8.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.75	258.71	58.25	298.11	1,387.77

## Field 11

Field name: Field 11

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

Crop: Wheat, silage, boot stageAcres planted: 30 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	501.60 ton	Dry-weight		66.8	10,000.00	3,700.00	20,400.00		9.81

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	16.72	111.02	41.08	226.48	1,089.11

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## Field 11

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 (%)
09/26/2023	865.42 ton	Dry-weight		67.0	12,800.00	2,900.00	19,400.00		5.34

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.85	243.70	55.21	369.36	1,016.70

## Field 12

Field name: Field 12

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

Crop: Wheat, silage, boot stage Acres planted: 40 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	675.30 ton	Dry-weight		71.1	12,200.00	4,600.00	26,500.00		9.74

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	16.88	119.05	44.89	258.59	950.44

06/01/2023: Corn, silage

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

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/07/2023	1,102.60 ton	Dry-weight		70.1	14,500.00	3,600.00	18,100.00		7.66

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	27.57	239.02	59.34	298.36	1,262.66

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## Field 2

Field name: Field 2

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

Crop: Wheat, silage, boot stage Acres planted: 30 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/25/2023	600.66 ton	Dry-weight		66.2	12,100.00	3,200.00	16,500.00		9.57

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.02	163.77	43.31	223.33	1,295.29

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	798.53 ton	Dry-weight		71.3	13,500.00	3,100.00	16,400.00		7.54

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	26.62	206.26	47.36	250.57	1,152.00

## Field 3

Field name: Field 3

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

Crop: Wheat, silage, boot stage Acres planted: 20 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/25/2023	283.84 ton	Dry-weight		65.1	15,400.00	4,200.00	18,500.00		9.75

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	14.19	152.55	41.61	183.26	965.84



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## Field 3

06/01/2023: Corn, silage

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

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	661.85 ton	Dry-weight		68.1	9,000.00	2,600.00	15,800.00		5.72

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	33.09	190.02	54.89	333.59	1,207.66

## Field 4

Field name: Field 4

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

Crop: Wheat, silage, boot stage Acres planted: 17 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/25/2023	340.80 ton	Dry-weight		67.5	15,200.00	3,800.00	17,800.00		9.66

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	20.05	198.06	49.52	231.94	1,258.75

06/01/2023: Corn, silage

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

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	387.62 ton	Dry-weight		64.5	8,000.00	3,100.00	17,300.00		5.53

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	22.80	129.51	50.19	280.07	895.24

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Field 7

Field name: Field 7

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

Crop: Wheat, silage, boot stage Acres planted: 7 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	134.20 ton	Dry-weight		74.5	13,000.00	3,800.00	23,400.00		10.98

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	19.17	127.11	37.15	228.79	1,073.56

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## NUTRIENT BUDGET

## A. LAND APPLICATIONS

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

Field name: Field 1

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/21/2022	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
WW	Process wastewater	65.00	14.50	88.69	554.27	450,000.00 <i>gal</i>
Application event totals		65.00	14.50	88.69	554.27	
01/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	65.00	14.50	88.69	554.27	450,000.00 <i>gal</i>
Application event totals		65.00	14.50	88.69	554.27	
02/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	65.00	14.50	88.69	554.27	450,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.65	1,595,000.00 <i>gal</i>
Application event totals		65.00	14.50	88.69	564.92	
03/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	65.00	14.50	88.69	554.27	450,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	10.65	1,595,000.00 <i>gal</i>
Application event totals		65.00	14.50	88.69	564.92	

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

Field name: Field 1

Crop: Corn, silage

Plant date: 06/01/2023

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**Field 1 - 06/01/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	15.32	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	157.50	28.13	157.12	1,081.14	675,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>
Application event totals			157.50	28.13	157.12	1,096.46	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	15.32	
07/28/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	15.32	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	157.50	28.13	157.12	1,081.14	675,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>
Application event totals			157.50	28.13	157.12	1,096.46	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	15.32	

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**Field 1 - 06/01/2023: Corn, silage**

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
08/28/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
	Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
	Canal	Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>	
	Application event totals		0.00	0.00	0.00	15.32		
09/08/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
	Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
	Canal	Surface water	0.00	0.00	0.00	15.32	2,295,000.00 <i>gal</i>	
	Application event totals		0.00	0.00	0.00	15.32		

**Field 11 - 11/01/2022: Wheat, silage, boot stage**

Field name: Field 11

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/23/2022	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
WW	Process wastewater	63.19	14.10	86.22	538.88	875,000.00 <i>gal</i>
Application event totals		63.19	14.10	86.22	538.88	
02/13/2023	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
WW	Process wastewater	63.19	14.10	86.22	538.88	875,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		63.19	14.10	86.22	551.55	
03/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	

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**Field 11 - 06/01/2023: Corn, silage**

Field name: Field 11

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
07/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	96.25	17.19	96.02	660.69	825,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		96.25	17.19	96.02	673.36	
07/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	96.25	17.19	96.02	660.69	825,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		96.25	17.19	96.02	673.36	
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	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	

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

## Field 11 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	130.44	20.25	193.83	1,062.07	825,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		130.44	20.25	193.83	1,074.74	
08/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
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	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	

## Field 12 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 12

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/22/2022	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
WW	Process wastewater	36.56	8.15	49.89	311.78	675,000.00 <i>gal</i>
Application event totals		36.56	8.15	49.89	311.78	
01/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	36.56	8.15	49.89	311.78	675,000.00 <i>gal</i>
Application event totals		36.56	8.15	49.89	311.78	

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## Field 12 - 11/01/2022: Wheat, silage, boot stage

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
WW	Process wastewater	36.56	8.15	49.89	311.78	675,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.00	2,795,000.00 <i>gal</i>
Application event totals		36.56	8.15	49.89	318.78	
03/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	36.56	8.15	49.89	311.78	675,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	7.00	2,795,000.00 <i>gal</i>
Application event totals		36.56	8.15	49.89	318.78	

## Field 12 - 06/01/2023: Corn, silage

Field name: Field 12

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
04/02/2023	Plow/disc		No precipitation	No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure		Corral solids	144.00	73.00	247.00	6,209.10	200.00 <i>ton</i>
Application event totals			144.00	73.00	247.00	6,209.10	
06/28/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.00	



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**Field 12 - 06/01/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.81	12.11	67.65	465.49	775,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals		67.81	12.11	67.65	477.49	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.00	
07/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.00	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	80.04	12.43	118.94	651.72	675,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals		80.04	12.43	118.94	663.73	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.00	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.00	

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**Field 12 - 06/01/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	12.00	4,795,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	12.00	

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

Field name: Field 2

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

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following
12/29/2022	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	48.75	10.87	66.51	415.71	675,000.00 <i>gal</i>
Application event totals			48.75	10.87	66.51	415.71	
01/14/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	48.75	10.87	66.51	415.71	675,000.00 <i>gal</i>
Application event totals			48.75	10.87	66.51	415.71	
02/21/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	48.75	10.87	66.51	415.71	675,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	9.33	2,795,000.00 <i>gal</i>
Application event totals			48.75	10.87	66.51	425.04	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	48.75	10.87	66.51	415.71	675,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.33	2,795,000.00 <i>gal</i>
Application event totals		48.75	10.87	66.51	425.04	

## 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		
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	113.75	20.31	113.48	780.82	975,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		113.75	20.31	113.48	793.49	
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	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	

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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		
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	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	154.16	23.94	229.07	1,255.17	975,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		154.16	23.94	229.07	1,267.84	
08/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
08/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	
09/10/2023	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
Canal	Surface water	0.00	0.00	0.00	12.67	3,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	12.67	

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

Field name: Field 3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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**Field 3 - 11/01/2022: Wheat, silage, boot stage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.70	15.10	92.38	577.37	625,000.00 <i>gal</i>
Application event totals		67.70	15.10	92.38	577.37	
02/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.70	15.10	92.38	577.37	625,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	8.99	1,795,000.00 <i>gal</i>
Application event totals		67.70	15.10	92.38	586.36	
03/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	67.70	15.10	92.38	577.37	625,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	8.99	1,795,000.00 <i>gal</i>
Application event totals		67.70	15.10	92.38	586.36	

**Field 3 - 06/01/2023: Corn, silage**

Field name: Field 3

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/27/2023	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	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.99	

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**Field 3 - 06/01/2023: Corn, silage**

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	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.99	
07/17/2023	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
WW	Process wastewater	105.00	18.75	104.75	720.76	600,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		105.00	18.75	104.75	734.75	
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	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.99	
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
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.99	
08/17/2023	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
WW	Process wastewater	142.30	22.10	211.45	1,158.62	600,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		142.30	22.10	211.45	1,172.61	
08/27/2023	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	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.99	

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**Field 3 - 06/01/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/07/2023	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	0.00	0.00	0.00	13.99	2,795,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	13.99	

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

Field name: Field 4

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/10/2022	Plow/disc	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Dry Manure	Corral solids	169.41	77.65	285.88	9,860.72	150.00 <i>ton</i>
Application event totals		169.41	77.65	285.88	9,860.72	
01/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	38.23	8.53	52.17	326.04	300,000.00 <i>gal</i>
Application event totals		38.23	8.53	52.17	326.04	
02/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	9.40	1,595,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	9.40	
03/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	38.23	8.53	52.17	326.04	300,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.40	1,595,000.00 <i>gal</i>
Application event totals		38.23	8.53	52.17	335.44	

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**Field 4 - 06/01/2023: Corn, silage**

Field name: Field 4

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following
06/28/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.52	
07/08/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	66.91	11.95	66.75	459.31	325,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>
Application event totals			66.91	11.95	66.75	472.83	
07/18/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.52	
07/28/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.52	
08/08/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW		Process wastewater	90.68	14.08	134.74	738.34	325,000.00 <i>gal</i>
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>
Application event totals			90.68	14.08	134.74	751.86	



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

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

**Field 4 - 06/01/2023: Corn, silage**

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following		
08/18/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	13.52			
08/28/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	13.52			
09/08/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Canal		Surface water	0.00	0.00	0.00	13.52	2,295,000.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	13.52			

**Field 7 - 11/01/2022: Wheat, silage, boot stage**

Field name: Field 7

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
12/27/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	46.43	10.36	63.35	395.91	150,000.00 <i>gal</i>
Application event totals		46.43	10.36	63.35	395.91	
02/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	46.43	10.36	63.35	395.91	150,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.80	895,000.00 <i>gal</i>
Application event totals		46.43	10.36	63.35	408.71	

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

Field 7 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	46.43	10.36	63.35	395.91	150,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	12.80	895,000.00 <i>gal</i>
Application event totals		46.43	10.36	63.35	408.71	

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

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

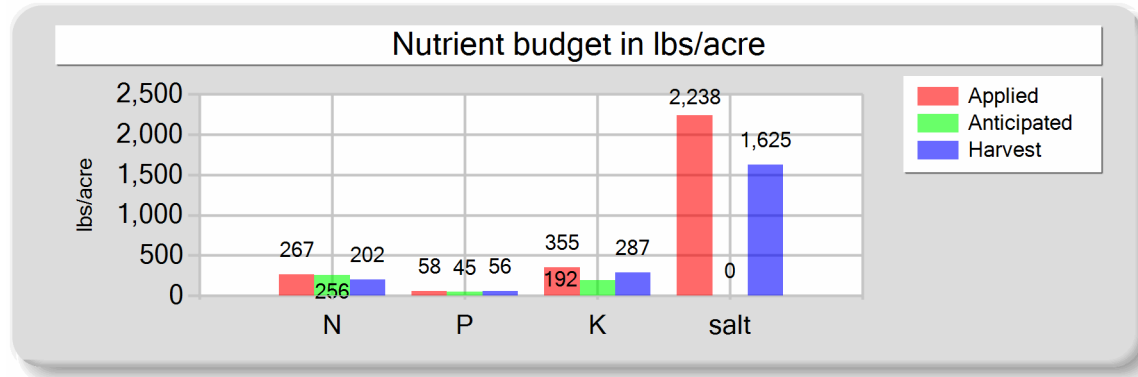
## B. NUTRIENT BUDGET

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

Field name: Field 1

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	3,190,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	117.48 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	7.83 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	259.98	57.99	354.75	2,217.10	Process wastewater applied
Fresh water	0.00	0.00	0.00	21.30	1,800,000.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	66.29 <i>acre-inches</i>
Total nutrients applied	266.98	57.99	354.75	2,238.40	4.42 <i>inches/acre</i>
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	202.12	56.33	286.61	1,625.23	Total harvests for the crop
Nutrient balance	64.86	1.66	68.13	613.16	1 <i>harvests</i>
Applied to removed ratio	1.32	1.03	1.24	1.38	

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

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

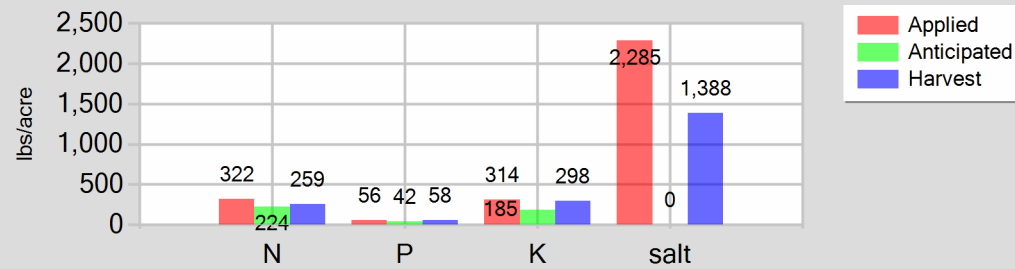
Field 1 - 06/01/2023: Corn, silage

Field name: Field 1

Crop: Corn, silage

Plant date: 06/01/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	314.99	56.25	314.24	2,162.27
Fresh water	0.00	0.00	0.00	122.57
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	321.99	56.25	314.24	2,284.84
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	258.71	58.25	298.11	1,387.77
Nutrient balance	63.28	-2.00	16.12	897.07
Applied to removed ratio	1.24	0.97	1.05	1.65

Fresh water applied
18,360,000.00 <i>gallons</i>
676.14 <i>acre-inches</i>
45.08 <i>inches/acre</i>

Process wastewater applied
1,350,000.00 <i>gallons</i>
49.72 <i>acre-inches</i>
3.31 <i>inches/acre</i>

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

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

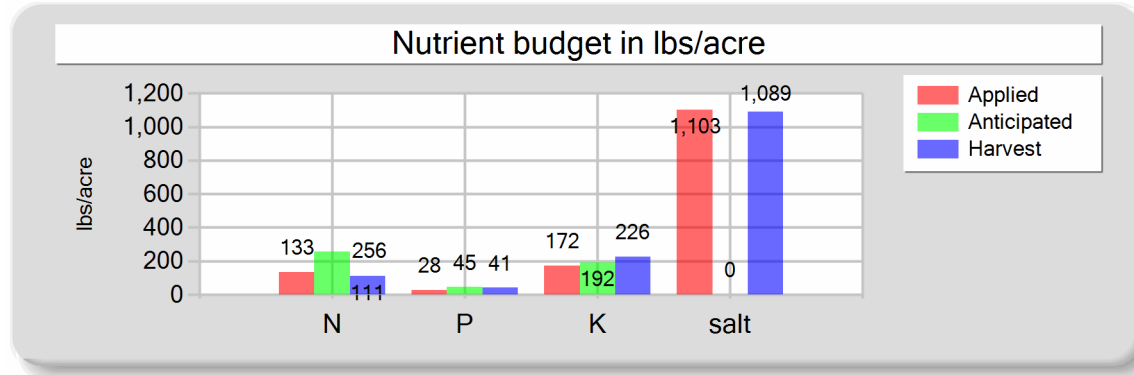
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 11

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	126.38	28.19	172.45	1,077.76
Fresh water	0.00	0.00	0.00	25.34
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	133.38	28.19	172.45	1,103.09
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	111.02	41.08	226.48	1,089.11
Nutrient balance	22.36	-12.89	-54.04	13.98
Applied to removed ratio	1.20	0.69	0.76	1.01

Fresh water applied
7,590,000.00 <i>gallons</i>
279.51 <i>acre-inches</i>
9.32 <i>inches/acre</i>

Process wastewater applied
1,750,000.00 <i>gallons</i>
64.45 <i>acre-inches</i>
2.15 <i>inches/acre</i>

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

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

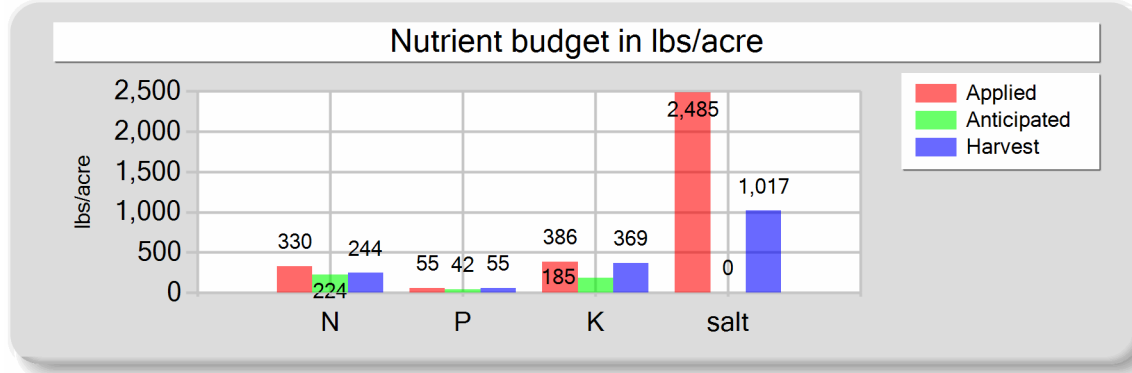
Reporting period 01/01/2023 to 12/31/2023.

Field 11 - 06/01/2023: Corn, silage

Field name: Field 11

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	30,360,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,118.06 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.27 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	322.93	54.63	385.86	2,383.46	
Fresh water	0.00	0.00	0.00	101.34	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	329.93	54.63	385.86	2,484.80	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	243.70	55.21	369.36	1,016.70	
Nutrient balance	86.23	-0.58	16.50	1,468.10	
Applied to removed ratio	1.35	0.99	1.04	2.44	
					Process wastewater applied
					2,475,000.00 <i>gallons</i>
					91.15 <i>acre-inches</i>
					3.04 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

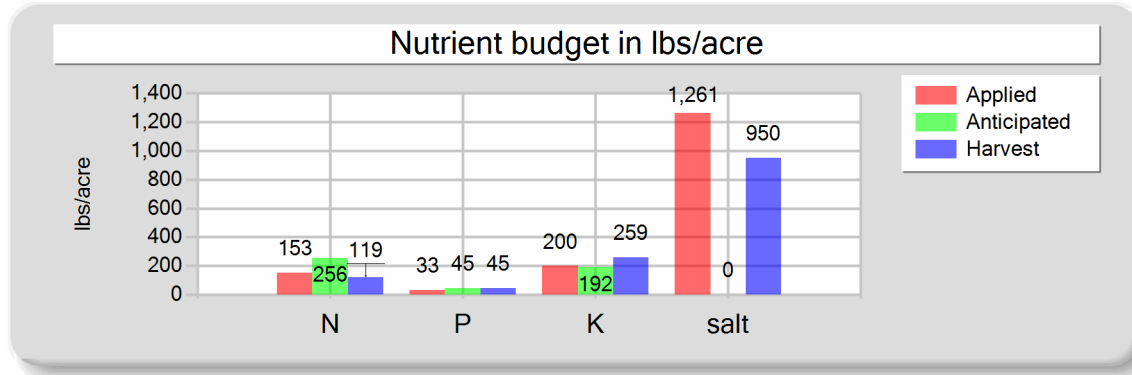
Reporting period 01/01/2023 to 12/31/2023.

Field 12 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 12

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	146.24	32.62	199.54	1,247.12
Fresh water	0.00	0.00	0.00	13.99
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	153.24	32.62	199.54	1,261.11
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	119.05	44.89	258.59	950.44
Nutrient balance	34.19	-12.27	-59.04	310.68
Applied to removed ratio	1.29	0.73	0.77	1.33

Fresh water applied
5,590,000.00 <i>gallons</i>
205.86 <i>acre-inches</i>
5.15 <i>inches/acre</i>

Process wastewater applied
2,700,000.00 <i>gallons</i>
99.43 <i>acre-inches</i>
2.49 <i>inches/acre</i>

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

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

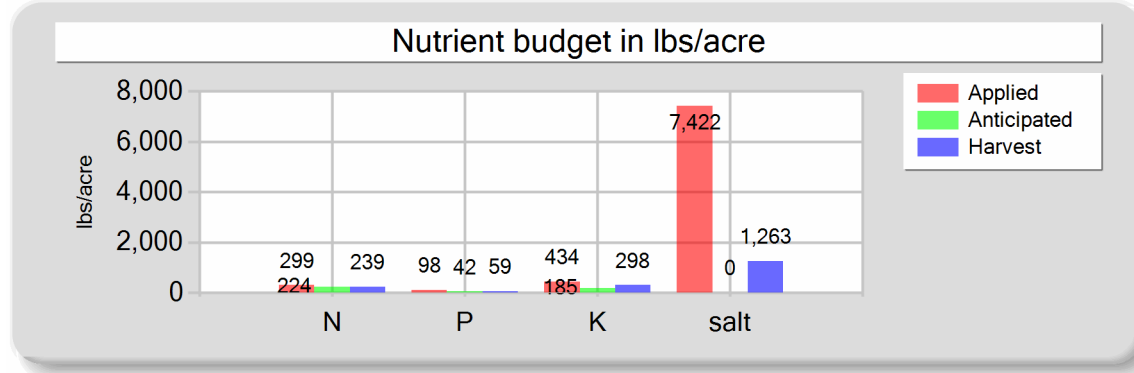
Reporting period 01/01/2023 to 12/31/2023.

Field 12 - 06/01/2023: Corn, silage

Field name: Field 12

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	144.00	73.00	247.00	6,209.10
Process wastewater	147.85	24.54	186.59	1,117.21
Fresh water	0.00	0.00	0.00	96.03
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	298.85	97.54	433.59	7,422.35
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	239.02	59.34	298.36	1,262.66
Nutrient balance	59.84	38.20	135.23	6,159.68
Applied to removed ratio	1.25	1.64	1.45	5.88

Fresh water applied
38,360,000.00 <i>gallons</i>
1,412.67 <i>acre-inches</i>
35.32 <i>inches/acre</i>

Process wastewater applied
1,450,000.00 <i>gallons</i>
53.40 <i>acre-inches</i>
1.33 <i>inches/acre</i>

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



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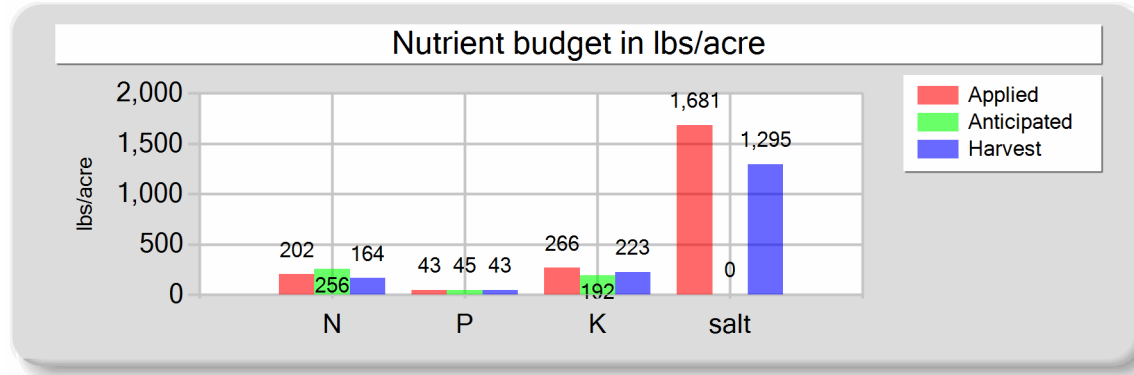
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 2

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	194.99	43.49	266.06	1,662.82
Fresh water	0.00	0.00	0.00	18.66
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	201.99	43.49	266.06	1,681.48
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	163.77	43.31	223.33	1,295.29
Nutrient balance	38.22	0.18	42.73	386.20
Applied to removed ratio	1.23	1.00	1.19	1.30

Fresh water applied
5,590,000.00 <i>gallons</i>
205.86 <i>acre-inches</i>
6.86 <i>inches/acre</i>

Process wastewater applied
2,700,000.00 <i>gallons</i>
99.43 <i>acre-inches</i>
3.31 <i>inches/acre</i>

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

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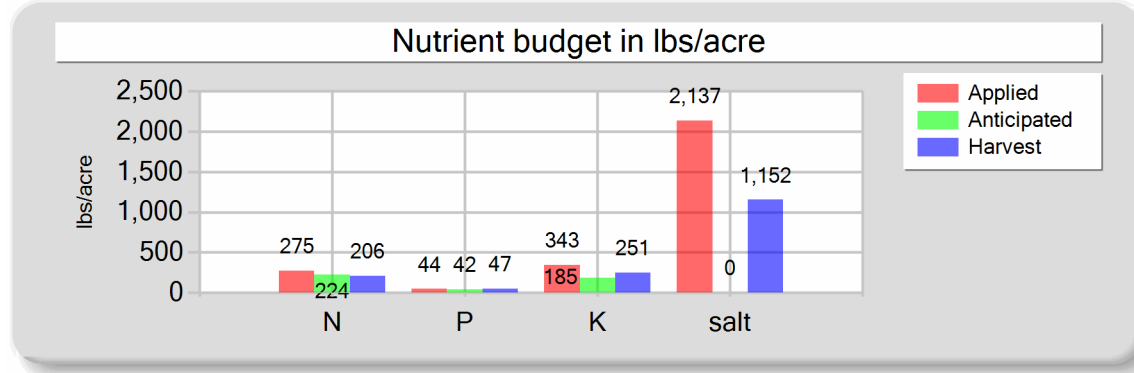
Reporting period 01/01/2023 to 12/31/2023.

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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	267.90	44.25	342.54	2,035.99
Fresh water	0.00	0.00	0.00	101.34
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	274.90	44.25	342.54	2,137.33
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	206.26	47.36	250.57	1,152.00
Nutrient balance	68.64	-3.11	91.97	985.33
Applied to removed ratio	1.33	0.93	1.37	1.86

Fresh water applied
30,360,000.00 <i>gallons</i>
1,118.06 <i>acre-inches</i>
37.27 <i>inches/acre</i>

Process wastewater applied
1,950,000.00 <i>gallons</i>
71.81 <i>acre-inches</i>
2.39 <i>inches/acre</i>

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

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

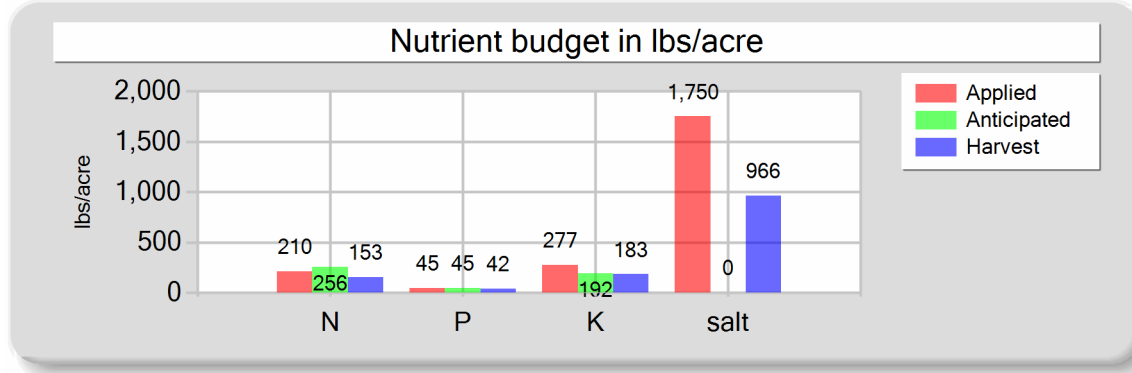
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 3

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	3,590,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	132.21 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	6.61 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	203.11	45.31	277.15	1,732.11	Process wastewater applied
Fresh water	0.00	0.00	0.00	17.98	1,875,000.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	69.05 <i>acre-inches</i>
Total nutrients applied	210.11	45.31	277.15	1,750.08	3.45 <i>inches/acre</i>
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	152.55	41.61	183.26	965.84	Total harvests for the crop
Nutrient balance	57.56	3.70	93.88	784.25	1 <i>harvests</i>
Applied to removed ratio	1.38	1.09	1.51	1.81	

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

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

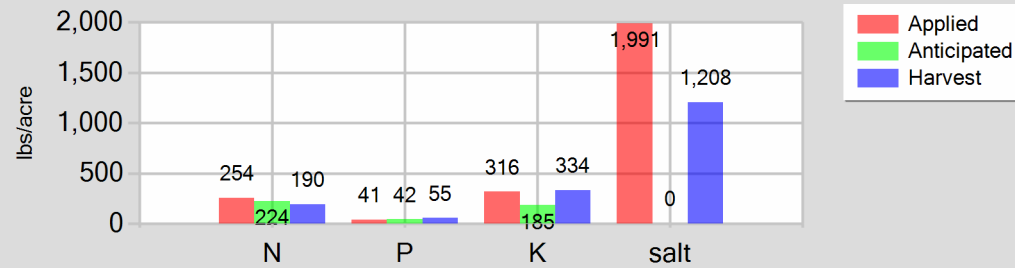
Field 3 - 06/01/2023: Corn, silage

Field name: Field 3

Crop: Corn, silage

Plant date: 06/01/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	247.30	40.85	316.19	1,879.38
Fresh water	0.00	0.00	0.00	111.96
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	254.30	40.85	316.19	1,991.33
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	190.02	54.89	333.59	1,207.66
Nutrient balance	64.28	-14.05	-17.39	783.67
Applied to removed ratio	1.34	0.74	0.95	1.65

Fresh water applied
22,360,000.00 <i>gallons</i>
823.44 <i>acre-inches</i>
41.17 <i>inches/acre</i>
Process wastewater applied
1,200,000.00 <i>gallons</i>
44.19 <i>acre-inches</i>
2.21 <i>inches/acre</i>
Total harvests for the crop
1 <i>harvests</i>

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

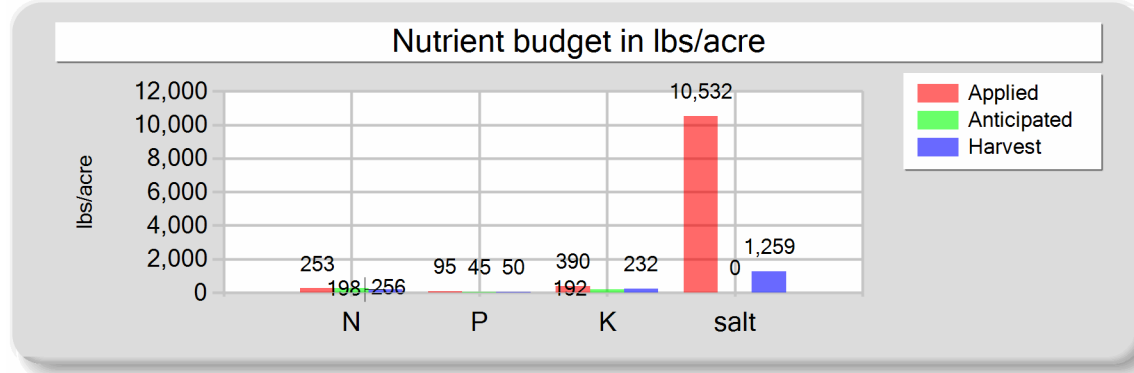
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field 4

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	169.41	77.65	285.88	9,860.72
Process wastewater	76.47	17.06	104.34	652.09
Fresh water	0.00	0.00	0.00	18.79
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	252.88	94.70	390.22	10,531.60
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	198.06	49.52	231.94	1,258.75
Nutrient balance	54.81	45.19	158.27	9,272.84
Applied to removed ratio	1.28	1.91	1.68	8.37

Fresh water applied
3,190,000.00 <i>gallons</i>
117.48 <i>acre-inches</i>
6.91 <i>inches/acre</i>

Process wastewater applied
600,000.00 <i>gallons</i>
22.10 <i>acre-inches</i>
1.30 <i>inches/acre</i>

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

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

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

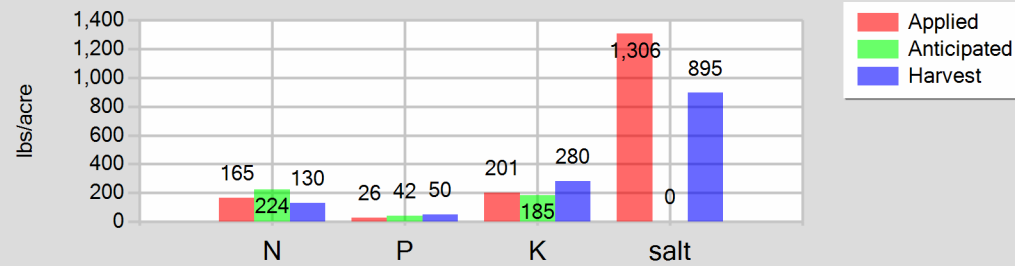
Field 4 - 06/01/2023: Corn, silage

Field name: Field 4

Crop: Corn, silage

Plant date: 06/01/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	157.59	26.03	201.49	1,197.64
Fresh water	0.00	0.00	0.00	108.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	164.59	26.03	201.49	1,305.79
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	129.51	50.19	280.07	895.24
Nutrient balance	35.08	-24.16	-78.57	410.55
Applied to removed ratio	1.27	0.52	0.72	1.46

Fresh water applied
18,360,000.00 <i>gallons</i>
676.14 <i>acre-inches</i>
39.77 <i>inches/acre</i>
Process wastewater applied
650,000.00 <i>gallons</i>
23.94 <i>acre-inches</i>
1.41 <i>inches/acre</i>
Total harvests for the crop
1 <i>harvests</i>

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

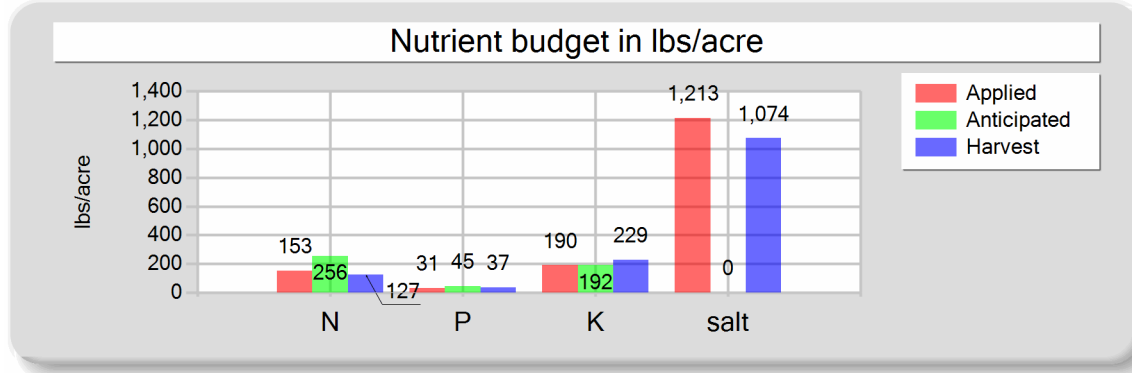
Reporting period 01/01/2023 to 12/31/2023.

Field 7 - 11/01/2022: Wheat, silage, boot stage

Field name: Field 7

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	139.28	31.07	190.04	1,187.73
Fresh water	0.00	0.00	0.00	25.61
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	153.28	31.07	190.04	1,213.34
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	127.11	37.15	228.79	1,073.56
Nutrient balance	26.17	-6.09	-38.75	139.78
Applied to removed ratio	1.21	0.84	0.83	1.13

Fresh water applied
1,790,000.00 <i>gallons</i>
65.92 <i>acre-inches</i>
9.42 <i>inches/acre</i>

Process wastewater applied
450,000.00 <i>gallons</i>
16.57 <i>acre-inches</i>
2.37 <i>inches/acre</i>

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

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

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

## NUTRIENT ANALYSES

## A. MANURE ANALYSES

## Dry Manure

Sample and source description: Dry Manure

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

Moisture: 10.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,400.00	7,300.00	24,700.00	16,800.00	10,300.00	8,200.00	5,300.00	1,101.60		68.99
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

## Dry Manure

Sample and source description: Dry Manure

Sample date: 10/16/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 16.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,600.00	4,400.00	16,200.00							66.60
DL	100.00	100.00	100.00							1.00

## B. PROCESS WASTEWATER ANALYSES

## 1st Qtr WW

Sample and source description: 1st Qtr WW

Sample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.73

	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	259.62	110.09	0.00	0.00	57.91	354.25								3,460.00	2,214
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19



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## 2nd Qtr WW

Sample and source description: 2nd Qtr WW

Sample date: 06/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.68

	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)
<b>Value</b>	419.40	170.50	0.00	0.00	74.90	418.40	5.70	6.70	12.70	39.97	0.00	1.20	7.40	4,499.00	2,879
<b>DL</b>	67.00	0.57	0.01	0.01	0.64	0.01	0.02	0.01	0.01	0.10	0.10	0.02	0.01	1.00	19

## 3rd Qtr WW

Sample and source description: 3rd Qtr WW

Sample date: 08/28/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.63

	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)
<b>Value</b>	568.40	320.20	0.00	0.00	88.26	844.60								7,232.00	4,628
<b>DL</b>	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

## 4th Qtr WW

Sample and source description: 4th Qtr WW

Sample date: 12/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.43

	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)
<b>Value</b>	169.60	167.00	0.00	0.00	66.28	275.66								3,472.00	2,222
<b>DL</b>	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

## C. FRESH WATER ANALYSES

Barn

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

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

## Barn

### Barn

Sample description: Barn

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

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	0.00										260.00	
<b>DL</b>	0.10										1.00	

## Canal

### Canal

Sample description: Canal

Sample date: 08/17/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	0.00										20.00	
<b>DL</b>	0.10										1.00	

## D. SOIL ANALYSES

*No soil analyses entered.*

## E. PLANT TISSUE ANALYSES

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

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

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

1

Sample and source description: 1

Sample date: 05/09/2022 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	3,400.00	17,300.00		9.81
DL	100.00	100.00	100.00		1.00

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

1

Sample and source description: 1

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,100.00	3,400.00	17,400.00		8.10
DL	100.00	100.00	100.00		1.00

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

11

Sample and source description: 11

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	10,000.00	3,700.00	20,400.00		9.81
DL	100.00	100.00	100.00		1.00

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

Field 11 - 06/01/2023: Corn, silage

11

Sample and source description: 11

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	2,900.00	19,400.00		5.34
DL	100.00	100.00	100.00		1.00

Field 12 - 11/01/2022: Wheat, silage, boot stage

12

Sample and source description: 12

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	4,600.00	26,500.00		9.74
DL	100.00	100.00	100.00		1.00

Field 12 - 06/01/2023: Corn, silage

12

Sample and source description: 12

Sample date: 09/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	3,600.00	18,100.00		7.66
DL	100.00	100.00	100.00		1.00

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

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

2

Sample and source description: 2

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,100.00	3,200.00	16,500.00		9.57
DL	100.00	100.00	100.00		1.00

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

2

Sample and source description: 2

Sample date: 09/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,500.00	3,100.00	16,400.00		7.54
DL	100.00	100.00	100.00		1.00

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

3

Sample and source description: 3

Sample date: 04/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,400.00	4,200.00	18,500.00		9.75
DL	100.00	100.00	100.00		1.00

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

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

## Field 3 - 06/01/2023: Corn, silage

3

Sample and source description: 3

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,000.00	2,600.00	15,800.00		5.72
DL	100.00	100.00	100.00		1.00

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

4

Sample and source description: 4

Sample date: 04/25/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,200.00	3,800.00	17,800.00		9.66
DL	100.00	100.00	100.00		1.00

## Field 4 - 06/01/2023: Corn, silage

4

Sample and source description: 4

Sample date: 09/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,000.00	3,100.00	17,300.00		5.53
DL	100.00	100.00	100.00		1.00

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

Field 7 - 11/01/2022: Wheat, silage, boot stage

7

Sample and source description: 7

Sample date: 05/09/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 74.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,000.00	3,800.00	23,400.00		10.98
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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

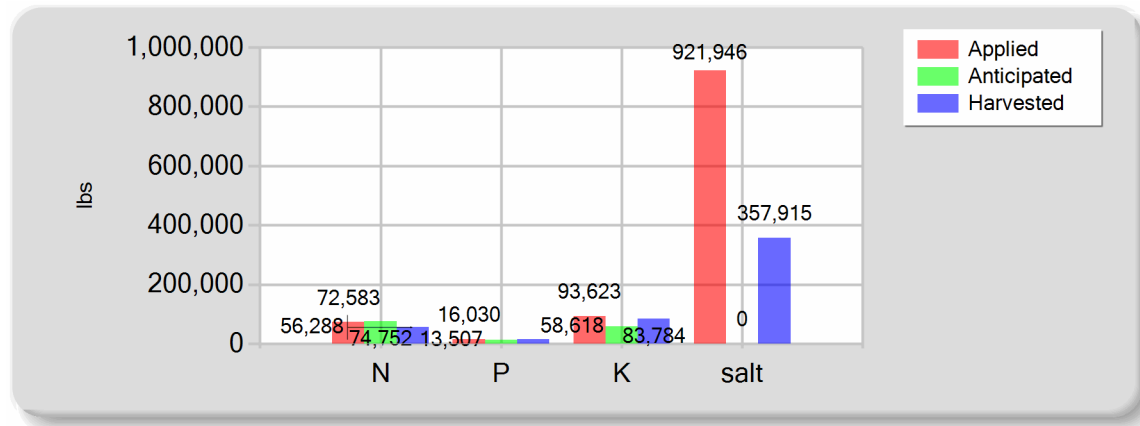
Reporting period 01/01/2023 to 12/31/2023.

**NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	8,640.00	4,240.00	14,740.00	415,996.20
Process wastewater	61,716.64	11,790.01	78,883.44	487,054.05
Fresh water	0.00	0.00	0.00	18,895.42
Atmospheric deposition	2,226.00	0.00	0.00	0.00
Total nutrients applied	72,582.64	16,030.01	93,623.44	921,945.66
Anticipated crop nutrient removal	74,752.00	13,507.20	58,617.60	0.00
Actual crop nutrient removal	56,287.59	15,381.86	83,783.56	357,915.07
Nutrient balance	16,295.05	648.15	9,839.88	564,030.60
Applied to removed ratio	1.29	1.04	1.12	2.58

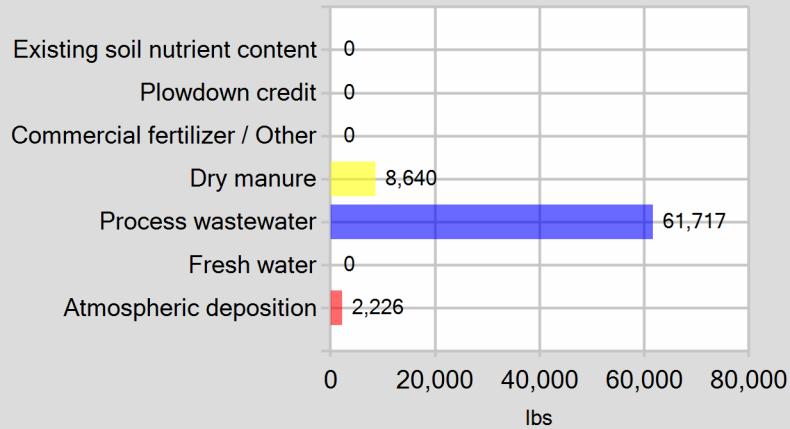
**B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL**



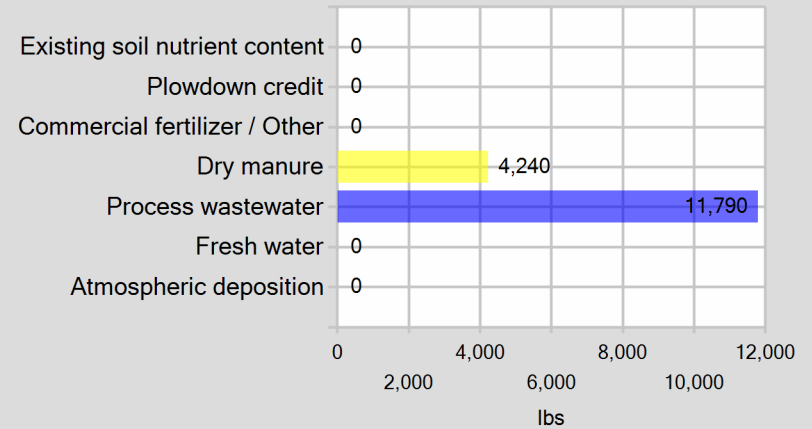


## C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

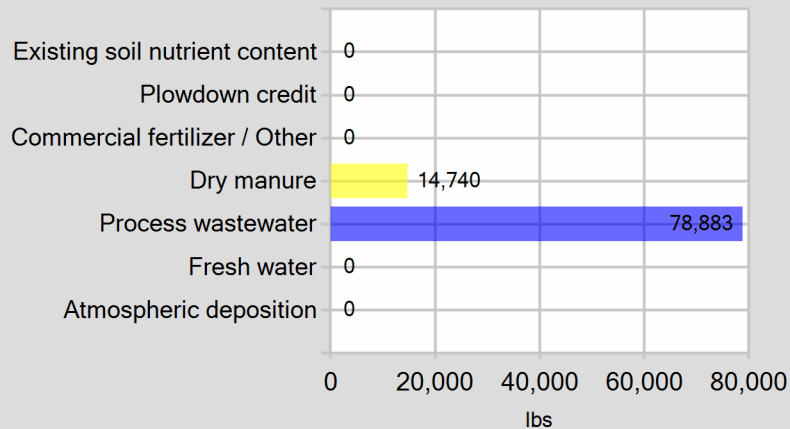
Pounds of nitrogen applied



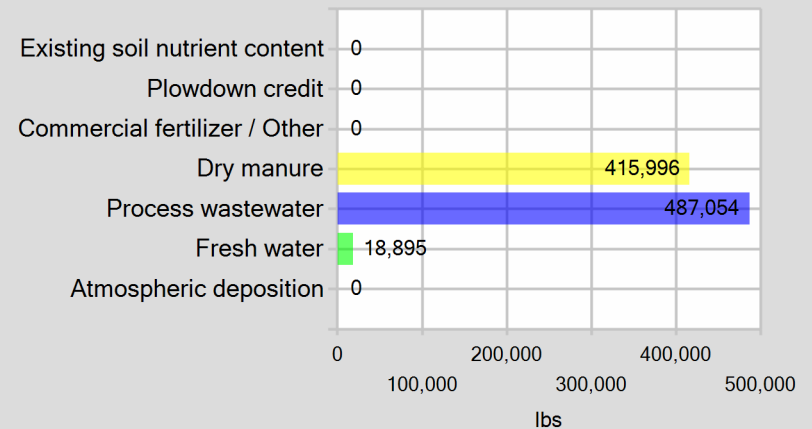
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

**EXCEPTION REPORTING**

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

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

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

**B. STORM WATER DISCHARGES**

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

*No stormwater discharges occurred during the reporting period.*

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

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

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

**NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS**

**A. NUTRIENT MANAGEMENT PLAN STATEMENTS**

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

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

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

**B. EXPORT AGREEMENT STATEMENT**

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

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

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

ADDITIONAL NOTES

**A. NOTES**

All Wells were tested for Ammonia onsite with a test strip and came back negative .

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

The following Fields did not receive wastewater or dry manure:

Field 04-Almonds

Field 05-Almonds

Field 08-Pistachios

Field 09-Pistachios

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

**CERTIFICATION**

**A. OWNER AND/OR OPERATOR CERTIFICATION**

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

  
SIGNATURE OF OWNER OF FACILITY

James Netto

PRINT OR TYPE NAME

06/17/24

DATE

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

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.

Double N Dairy  
10044 Flint Ave  
Hanford, CA 93230

Account# 00-0025805  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/18/2023 14:46

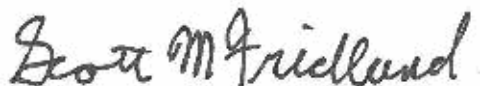
## Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0719-01	Barn	Ag Water	Medeiros		12/12/2023 10:45

Default Cooler      Temperature on Receipt °C: 14.1  
Containers Intact  
COC/Labels Agree  
Received On Ice

## Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



Laboratory Director/Technical Manager

ELAP Certification #1595  
A2LA Certification #6440.02

Double N Dairy  
10044 Flint Ave  
Hanford, CA 93230

Account# 00-0025805  
Account Manager: Ben Nydam  
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00  
Reported: 12/18/2023 14:46

### Sample Results

**Sample: Barn**  
**23L0719-01 (Water)**

Sampled: 12/12/2023 10:45  
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
<b>Electrical Conductivity</b>	<b>0.26</b>	mmhos/cm	0.01	1		12/13/23 18:12	SM 2510 B		BEL0498
<b>Electrical Conductivity umhos</b>	<b>260</b>	umhos/cm	10.0	1		12/13/23 18:12	SM 2510 B		BEL0498
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:45	Field		BEL0534
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 02:57	EPA 300.0		BEL0444
<b>Temperature</b>	<b>25.0</b>	units	0.0	1		12/13/23 18:12	SM 4500-H+	H	BEL0498
<b>pH</b>	<b>9.4</b>	units	1.0	1		12/13/23 18:12	SM 4500-H+	H	BEL0498

Double N Dairy  
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### Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEL0444</b>									
<b>Blank (BEL0444-BLK1)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
<b>Blank (BEL0444-BLK2)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
<b>Blank (BEL0444-BLK3)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
<b>Blank (BEL0444-BLK4)</b>				Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
<b>LCS (BEL0444-BS1)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000		103	90-110		
<b>LCS (BEL0444-BS2)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000		104	90-110		
<b>LCS (BEL0444-BS3)</b>				Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000		103	90-110		
<b>Duplicate (BEL0444-DUP1)</b>		<b>Source: 23L0740-02</b>		Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	0.05	0.1	mg/L		0.05			3.92	10
<b>Duplicate (BEL0444-DUP2)</b>		<b>Source: 23L0744-02</b>		Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	0.05	0.1	mg/L		0.05			1.98	10
<b>Duplicate (BEL0444-DUP3)</b>		<b>Source: 23L0700-01</b>		Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	0.04	0.1	mg/L		0.04			0.00	10
<b>Matrix Spike (BEL0444-MS1)</b>		<b>Source: 23L0740-02</b>		Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	0.05	101	90-110		
<b>Matrix Spike (BEL0444-MS2)</b>		<b>Source: 23L0744-02</b>		Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	0.05	100	90-110		
<b>Matrix Spike (BEL0444-MS3)</b>		<b>Source: 23L0700-01</b>		Prepared: 12/13/2023 Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	0.04	102	90-110		
<b>Reference (BEL0444-SRM1)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00		101	90-110		
<b>Reference (BEL0444-SRM2)</b>				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	10.2		mg/L	10.00		102	90-110		

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### Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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#### Batch: BEL0444 (Continued)

##### Reference (BEL0444-SRM3)

Nitrate Nitrogen as NO3N	10.2	mg/L	10.00	102	90-110
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Prepared & Analyzed: 12/13/2023

##### Reference (BEL0444-SRM4)

Nitrate Nitrogen as NO3N	10.2	mg/L	10.00	102	90-110
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Prepared: 12/13/2023 Analyzed: 12/14/2023

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### Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEL0498</b>									
<b>Blank (BEL0498-BLK1)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	5.5	1.0	units						
<b>Blank (BEL0498-BLK2)</b>				Prepared & Analyzed: 12/13/2023					
Temperature	25.0	0.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.7	1.0	units						
<b>Blank (BEL0498-BLK3)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.7	1.0	units						
<b>Duplicate (BEL0498-DUP1)</b>				<b>Source: 23L0716-01</b>		Prepared & Analyzed: 12/13/2023			
Electrical Conductivity	2.02	0.01	mmhos/cm		2.00		0.916		10
pH	7.4	1.0	units		7.4		0.135		10
Electrical Conductivity umhos	2020	10.0	umhos/cm		2000		0.916		10
<b>Duplicate (BEL0498-DUP2)</b>				<b>Source: 23L0724-02</b>		Prepared & Analyzed: 12/13/2023			
Electrical Conductivity	2.08	0.01	mmhos/cm		2.04		2.11		10
Electrical Conductivity umhos	2080	10.0	umhos/cm		2040		2.11		10
pH	7.3	1.0	units		7.3		0.274		10
<b>Reference (BEL0498-SRM1)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	436		umhos/cm	426.0		102	90-110		
<b>Reference (BEL0498-SRM2)</b>				Prepared & Analyzed: 12/13/2023					
pH	7.5		units	7.520		100	67021-101.3;		
<b>Reference (BEL0498-SRM3)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1050		umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050		umhos/cm	1000		105	90-110		
<b>Reference (BEL0498-SRM4)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1070		umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070		umhos/cm	1000		107	90-110		
<b>Reference (BEL0498-SRM5)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1090		umhos/cm	1000		109	90-110		

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### Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEL0498 (Continued)</b>									
<b>Reference (BEL0498-SRM5)</b>				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity umhos	1090		umhos/cm	1000		109	90-110		
<b>Reference (BEL0498-SRM6)</b>				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		101	97.5-102.5		
<b>Reference (BEL0498-SRM7)</b>				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		101	97.5-102.5		
<b>Reference (BEL0498-SRM8)</b>				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		100	97.5-102.5		

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12/13/23 07:00

23L0719

<b>Shipping Information:</b> Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples re Fridgerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO <sub>3</sub> or H <sub>2</sub> SO <sub>4</sub> were:					<input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory					
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
<b>Sample Containers for Internal (DLI) Use</b> (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO <sub>3</sub> (Red) Plastic									
	* pH Value									
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
	1 L unpreserved (White) Plastic									
Special	1 L unpreserved (BOD) (Purple) Plastic									
	500mL unpreserved (White) Glass									
	PO4-P Kit									
Other:										
<b>Sample Containers for Subcontracted ("Send Out") Analyses</b> (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO <sub>3</sub> (Red) Plastic									
	250 mL H <sub>2</sub> SO <sub>4</sub> (Yellow) Plastic									
	500 mL HNO <sub>3</sub> (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO <sub>3</sub> (Red)									
VOA Vials	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA (EPA531)									
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)									
	40mL VOA, H <sub>3</sub> PO <sub>4</sub> (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H <sub>2</sub> SO <sub>4</sub> (Yellow)									
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	250 mL AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H <sub>2</sub> SO <sub>4</sub> (Yellow)									
	1 L AG Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (Green)									
	1 L AG HCl (Blue)									
Special	Cr <sup>6+</sup> - 50mL Plastic w/Borate/HCO <sub>3</sub> /CO <sub>3</sub>									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									
	DO KIT									
	Other:									
Other:										



## Report of Water Analysis

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

**E-mail:** heidi@nettoag.com  
**Copy To:** mel\_tinamedeiros@yahoo.com

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

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MCL--->	0.90-2.2	10.0
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		<b>Date</b>	<b>Time</b>	<b>EC</b>	<b>NO<sub>3</sub>-N</b>
		Sampled	Sampled	dS/m	mg/L
1	Canal	8/16/23	15:30	0.02	ND

ND = None Detected

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

Approved By: \_\_\_\_\_

*Scott M. Friedland*

Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02