

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:** Bidart 2

Physical address of dairy:

20400 Old River Rd.

Number and Street

Bakersfield

City

Kern

County

93311

Zip Code

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

Date facility was originally placed in operation: 01/01/2004Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X295-X080-XX06-XXXX**B. OPERATORS**

Bidart, John

Operator name: Bidart, JohnTelephone no.: (661) 397-5400

Landline

Cellular

P.O. Box 11810

Mailing Address Number and Street

Bakersfield

City

CA

State

93311

Zip Code

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

Bidart, John

Legal owner name: Bidart, JohnTelephone no.: (661) 397-5400

Landline

Cellular

P.O. Box 11810

Mailing Address Number and Street

Bakersfield

City

CA

State

93311

Zip Code

This owner is responsible for paying permit fees.

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

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

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	0	1,290	1,330	1,295	1,325
Number under roof	7,870	810	0	0	0	0
Maximum number	8,035	825	1,345	1,350	1,325	1,355
Average number	7,870	810	1,290	1,330	1,295	1,325
Avg live weight (lbs)	1,400	1,450	1,000	750		

Predominant milk cow breed: Holstein

Average milk production: 75 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 253,739.08 tons per reporting period

Total nitrogen from manure: 3,230,167.38 lbs per reporting period

After ammonia losses (30% loss applied): 2,261,117.17 lbs per reporting period

Total phosphorus from manure: 529,001.43 lbs per reporting period

Total potassium from manure: 1,533,030.56 lbs per reporting period

Total salt from manure: 3,891,849.00 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 236,526,594 gallons

Total nitrogen generated: 855,224.56 lbs

Total phosphorus generated: 115,193.83 lbs

Total potassium generated: 1,138,267.24 lbs

Total salt generated: 8,935,046.12 lbs

<p align="center">236,526,594 gallons applied</p> <p align="center">+ 0 gallons exported</p> <p align="center">- 0 gallons imported</p> <p align="center">= 236,526,594 gallons generated</p>

D. FRESH WATER SOURCES

Source Description	Type
2B1	Ground water
DW1	Ground water
DW2	Ground water
DW3	Ground water
Kern Delta ID	Surface water

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

Source Description	Type
W1	Ground water
W11	Ground water
W12	Ground water
W2	Ground water
W3	Ground water
W4	Ground water
W5	Ground water
W6	Ground water
W9	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.**No commercial or other nutrient imports entered.***G. NUTRIENT EXPORTS***No solid nutrient exports entered.**No liquid nutrient exports entered.*

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

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

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
10N	144	144	2	both	X295-X070-XX44-XXXX
10S	145	145	2	process wastewater	X295-X070-XX44-XXXX
11b1	165	165	2	both	X295-X070-XX43-XXXX
12b1	51	51	0	none	X295-X070-XX40-XXXX
12b2	51	51	0	none	X295-X070-XX40-XXXX
12b3	210	210	2	both	X295-X070-XX41-XXXX
12b4	65	65	0	none	X295-X070-XX41-XXXX
2b1	28	28	2	process wastewater	X295-X070-XX43-XXXX
2b2	45	45	2	process wastewater	X295-X070-XX43-XXXX
2b3	69	69	2	process wastewater	X295-X070-XX43-XXXX
2b4n	125	125	2	process wastewater	X295-X070-XX43-XXXX
2b4s	125	125	2	process wastewater	X295-X070-XX43-XXXX
3a1	30	30	2	process wastewater	X295-X070-XX24-XXXX
3a2	30	30	2	process wastewater	X295-X070-XX24-XXXX
3b1	67	67	2	process wastewater	X295-X070-XX24-XXXX
3b2	45	45	2	process wastewater	X295-X070-XX24-XXXX
3b3	47	47	2	process wastewater	X295-X070-XX24-XXXX
3c	66	66	2	process wastewater	X295-X070-XX24-XXXX
4E	135	135	2	manure	X295-X080-XX50-XXXX
4W	135	135	2	manure	X295-X080-XX50-XXXX
9	282	282	2	manure	X295-X080-XX51-XXXX
b61	129	129	1	none	X445-X020-XX52-XXXX
b62	123	123	1	none	X445-X020-XX52-XXXX
b63	151	151	1	both	X445-X020-XX52-XXXX
b64	140	140	1	both	X445-X020-XX52-XXXX
b73	173	173	2	both	X445-X020-XX33-XXXX
b74	143	143	2	both	X445-X020-XX34-XXXX
b75w	15	15	2	process wastewater	X445-X020-XX33-XXXX
b76w	20	20	2	process wastewater	X445-X020-XX50-XXXX
b77w	77	77	2	process wastewater	X445-X020-XX50-XXXX
b78	120	120	2	process wastewater	X445-X020-XX33-XXXX
b79	77	77	2	process wastewater	X445-X020-XX34-XXXX
b80	75	75	0	none	X445-X020-XX34-XXXX

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

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

Totals for areas that were used for application	2,809	2,809	52		
Totals for areas that were not used for application	494	494	2		
Land application area totals	3,303	3,303	54		

B. CROPS AND HARVESTS

10N

Field name: 10N

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

Crop: Wheat, silage, soft dough Acres planted: 144 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 (%)
04/26/2023	2,620.00 ton	Dry-weight		69.6	17,800.00	4,000.00	23,400.00		9.51

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.19	196.91	44.25	258.86	1,052.02

05/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 144 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 (%)
09/18/2023	4,333.00 ton	Dry-weight		69.3	13,600.00	3,400.00	15,300.00		5.22

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.09	251.27	62.82	282.67	964.42

10S

Field name: 10S

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

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

10S

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

Crop: Wheat, silage, soft dough Acres planted: 145 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 (%)
05/01/2023	2,625.00 ton	Dry-weight		67.1	16,300.00	3,400.00	25,900.00		8.23

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.10	194.17	40.50	308.52	980.36

05/25/2023: Corn, silage

Crop: Corn, silage Acres planted: 145 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 (%)
09/18/2023	4,364.00 ton	Dry-weight		68.1	12,100.00	3,300.00	14,200.00		5.25

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.10	232.34	63.37	272.66	1,008.08

11b1

Field name: 11b1

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

Crop: Wheat, silage, soft dough Acres planted: 165 Plant date: 11/11/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	2,995.00 ton	Dry-weight		66.9	18,300.00	4,400.00	28,500.00		8.86

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.15	219.90	52.87	342.46	1,064.64

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

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

11b1

05/30/2023: Corn, silage

Crop: Corn, silage Acres planted: 165 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 (%)
09/18/2023	4,969.00 ton	Dry-weight		70.5	14,500.00	2,700.00	14,600.00		6.22

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.12	257.64	47.97	259.41	1,105.17

12b3

Field name: 12b3

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

Crop: Wheat, silage, soft dough Acres planted: 210 Plant date: 11/11/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	3,806.00 ton	Dry-weight		67.6	18,000.00	4,200.00	30,800.00		9.07

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.12	211.40	49.33	361.72	1,065.20

06/15/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 210 Plant date: 06/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	5,281.00 ton	Dry-weight		76.8	15,600.00	3,900.00	29,400.00		12.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	25.00	180.00	35.00	342.50	1,500.00
Total actual harvest content	25.15	182.03	45.51	343.05	1,446.89

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

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

2b1

Field name: 2b1

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 28 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/30/2023	531.00 <i>ton</i>	Dry-weight		70.9	18,100.00	3,900.00	20,800.00		10.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.96	199.77	43.05	229.57	1,114.76

05/30/2023: Corn, silage

Crop: Corn, silage Acres planted: 28 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 (%)
09/15/2023	864.00 <i>ton</i>	Dry-weight		66.8	11,400.00	3,300.00	18,600.00		6.86

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.86	233.58	67.61	381.10	1,405.56

2b2

Field name: 2b2

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 45 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/30/2023	829.00 <i>ton</i>	Dry-weight		70.7	17,000.00	2,700.00	15,900.00		8.72

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.42	183.52	29.15	171.65	941.36

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

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

2b2

05/30/2023: Corn, silage

Crop: Corn, silage Acres planted: 45 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 (%)
09/15/2023	1,368.00 ton	Dry-weight		70.4	14,200.00	1,800.00	13,900.00		10.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.40	255.55	32.39	250.16	1,835.67

2b3

Field name: 2b3

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

Crop: Wheat, silage, soft dough Acres planted: 69 Plant date: 11/11/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/30/2023	1,266.00 ton	Dry-weight		70.5	17,700.00	3,700.00	16,700.00		10.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.35	191.61	40.05	180.78	1,104.17

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 69 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	2,091.00 ton	Dry-weight		68.0	13,200.00	2,400.00	12,500.00		5.71

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.30	256.01	46.55	242.43	1,107.44

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

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

2b4n

Field name: 2b4n

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 125 Plant date: 11/12/2022

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	2,269.00 <i>ton</i>	Dry-weight		71.6	18,600.00	4,200.00	22,000.00		8.53

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.15	191.77	43.30	226.83	879.47

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 125 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	3,769.00 <i>ton</i>	Dry-weight		66.4	11,300.00	2,900.00	11,700.00		4.91

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.15	228.96	58.76	237.07	994.87

2b4s

Field name: 2b4s

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 125 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/20/2023	2,269.00 <i>ton</i>	Dry-weight		71.5	19,700.00	4,600.00	27,600.00		9.25

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.15	203.83	47.59	285.57	957.06

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

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

2b4s

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 125 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	3,764.00 ton	Dry-weight		67.5	13,000.00	2,800.00	11,800.00		5.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.11	254.45	54.80	230.96	1,041.27

3a1

Field name: 3a1

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 30 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/26/2023	563.00 ton	Dry-weight		64.5	16,600.00	3,600.00	33,900.00		9.93

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.77	221.18	47.97	451.69	1,323.11

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 (%)
09/16/2023	916.00 ton	Dry-weight		67.0	12,900.00	2,900.00	13,200.00		5.74

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.53	259.96	58.44	266.01	1,156.72

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

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

3a2

Field name: 3a2

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough

Acres planted: 30 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/26/2023	559.00 ton	Dry-weight		71.8	18,200.00	4,000.00	31,100.00		9.92

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.63	191.27	42.04	326.84	1,042.51

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 (%)
09/16/2023	919.00 ton	Dry-weight		66.3	11,400.00	2,900.00	12,700.00		5.66

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.63	235.37	59.88	262.22	1,168.61

3b1

Field name: 3b1

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough

Acres planted: 67 Plant date: 11/12/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/26/2023	1,218.00 ton	Dry-weight		67.9	16,500.00	4,000.00	26,100.00		12.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.18	192.57	46.68	304.61	1,482.22

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

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

3b1

06/02/2023: Corn, silage

Crop: Corn, silage Acres planted: 67 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 (%)
09/16/2023	2,023.00 ton	Dry-weight		67.5	13,100.00	3,100.00	20,800.00		7.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.19	257.10	60.84	408.22	1,550.46

3b2

Field name: 3b2

11/13/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 45 Plant date: 11/13/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/21/2023	827.00 ton	Dry-weight		69.0	16,400.00	3,900.00	24,500.00		13.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.38	186.87	44.44	279.16	1,504.04

06/02/2023: Corn, silage

Crop: Corn, silage Acres planted: 45 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 (%)
09/16/2023	1,369.00 ton	Dry-weight		65.1	12,200.00	2,600.00	11,000.00		5.01

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.42	259.06	55.21	233.58	1,063.86

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

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

3b3

Field name: 3b3

11/13/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 47 Plant date: 11/13/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/29/2023	869.00 <i>ton</i>	Dry-weight		73.1	19,200.00	4,200.00	29,600.00		11.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.49	190.99	41.78	294.44	1,104.15

06/03/2023: Corn, silage

Crop: Corn, silage Acres planted: 47 Plant date: 06/03/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/16/2023	1,422.00 <i>ton</i>	Dry-weight		65.1	10,800.00	2,600.00	9,900.00		4.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.26	228.08	54.91	209.07	929.20

3c

Field name: 3c

11/13/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 66 Plant date: 11/13/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/26/2023	1,209.00 <i>ton</i>	Dry-weight		65.8	15,400.00	3,600.00	23,300.00		9.73

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.32	192.96	45.11	291.94	1,219.13

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

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

3c

06/04/2023: Corn, silage

Crop: Corn, silage Acres planted: 66 Plant date: 06/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/17/2023	1,991.00 ton	Dry-weight		65.9	11,100.00	2,700.00	10,800.00		5.19

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.17	228.37	55.55	222.20	1,067.77

4E

Field name: 4E

11/12/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 135 Plant date: 11/12/2022

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	2,438.00 ton	Dry-weight		71.5	21,000.00	3,900.00	22,900.00		9.75

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.06	216.17	40.15	235.73	1,003.64

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 135 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	4,069.00 ton	Dry-weight		69.9	13,500.00	2,500.00	14,800.00		6.45

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.14	244.95	45.36	268.54	1,170.33

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

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

4W

Field name: 4W

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 135 Plant date: 11/14/2022

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	2,439.00 <i>ton</i>	Dry-weight		70.5	19,500.00	4,100.00	29,400.00		10.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.07	207.86	43.70	313.38	1,151.21

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 135 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/15/2023	4,069.00 <i>ton</i>	Dry-weight		70.5	12,900.00	2,600.00	17,100.00		7.06

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.14	229.40	46.24	304.09	1,255.48

9

Field name: 9

11/14/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 282 Plant date: 11/14/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/01/2023	5,084.00 <i>ton</i>	Dry-weight		70.5	17,000.00	3,900.00	27,300.00		8.57

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.03	180.82	41.48	290.38	911.57

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

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

9

06/04/2023: Corn, silage

Crop: Corn, silage Acres planted: 282 Plant date: 06/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/17/2023	8,475.00 ton	Dry-weight		64.7	11,400.00	2,500.00	15,700.00		5.87

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.05	241.88	53.04	333.12	1,245.47

b61

Field name: b61

11/16/2018: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 129 Plant date: 11/16/2018

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/07/2023	1,064.00 ton	Dry-weight		9.6	37,500.00	2,900.00	22,200.00		20.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	8.00	480.00	43.20	336.00	1,600.00
Total actual harvest content	8.25	559.22	43.25	331.06	3,042.15

b62

Field name: b62

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

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

b62

11/16/2018: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 123 Plant date: 11/16/2018

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/07/2023	1,024.00 ton	Dry-weight		10.0	38,000.00	2,900.00	24,400.00		12.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	8.00	480.00	43.20	336.00	1,600.00
Total actual harvest content	8.33	569.44	43.46	365.64	1,843.20

b63

Field name: b63

06/19/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 151 Plant date: 06/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3,789.00 ton	Dry-weight		77.1	20,400.00	4,200.00	29,700.00		14.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	25.00	180.00	35.00	342.50	1,500.00
Total actual harvest content	25.09	234.45	48.27	341.33	1,608.94

b64

Field name: b64

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

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

b64

06/20/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 140 Plant date: 06/20/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3,513.00 ton	Dry-weight		76.6	16,900.00	4,200.00	31,400.00		13.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	25.00	180.00	35.00	342.50	1,500.00
Total actual harvest content	25.09	198.46	49.32	368.74	1,632.34

b73

Field name: b73

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

Crop: Wheat, silage, soft dough Acres planted: 173 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 (%)
04/29/2023	3,133.00 ton	Dry-weight		73.2	19,200.00	4,200.00	29,000.00		10.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.11	186.37	40.77	281.50	1,038.63

06/04/2023: Corn, silage

Crop: Corn, silage Acres planted: 173 Plant date: 06/04/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/18/2023	5,209.00 ton	Dry-weight		72.8	14,500.00	3,000.00	16,400.00		6.03

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.11	237.51	49.14	268.63	987.70

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

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

b74

Field name: b74

11/15/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 143 Plant date: 11/15/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/19/2023	2,591.00 <i>ton</i>	Dry-weight		64.9	15,700.00	3,000.00	23,000.00		8.46

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.12	199.70	38.16	292.55	1,076.07

06/05/2023: Sorghum-Sudangrass, forage

Crop: Sorghum-Sudangrass, forage Acres planted: 143 Plant date: 06/05/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/18/2023	3,599.00 <i>ton</i>	Dry-weight		70.6	13,300.00	2,700.00	19,400.00		11.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	25.00	180.00	35.00	342.50	1,500.00
Total actual harvest content	25.17	196.82	39.96	287.09	1,716.65

b75w

Field name: b75w

11/15/2022: Wheat, silage, soft dough

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

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
04/22/2023	294.00 <i>ton</i>	Dry-weight		72.3	20,400.00	3,700.00	24,000.00		9.84

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	19.60	221.51	40.18	260.60	1,068.47

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

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

b75w

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 15 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	466.00 ton	Dry-weight		65.5	11,400.00	3,000.00	14,400.00		6.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	31.07	244.37	64.31	308.68	1,307.60

b76w

Field name: b76w

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

Crop: Wheat, silage, soft dough Acres planted: 20 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 (%)
04/25/2023	381.00 ton	Dry-weight		62.7	15,100.00	3,200.00	23,100.00		8.67

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	19.05	214.59	45.48	328.28	1,232.12

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 20 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	616.00 ton	Dry-weight		66.5	11,200.00	2,800.00	17,000.00		6.53

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.80	231.12	57.78	350.81	1,347.53

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

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

b77w

Field name: b77w

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

Crop: Wheat, silage, soft dough Acres planted: 77 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 (%)
05/02/2023	1,408.00 <i>ton</i>	Dry-weight		69.0	17,600.00	1,900.00	9,500.00		8.55

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.29	199.53	21.54	107.70	969.33

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	2,319.00 <i>ton</i>	Dry-weight		64.9	11,700.00	3,000.00	16,900.00		6.19

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.12	247.36	63.43	357.30	1,308.69

b78

Field name: b78

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

Crop: Wheat, silage, soft dough Acres planted: 120 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 (%)
04/24/2023	2,181.00 <i>ton</i>	Dry-weight		65.3	18,200.00	4,000.00	22,600.00		8.72

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.18	229.56	50.45	285.06	1,099.89

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

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

b78

06/10/2023: Corn, silage

Crop: Corn, silage Acres planted: 120 Plant date: 06/10/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/19/2023	3,628.00 ton	Dry-weight		72.8	14,500.00	3,000.00	14,600.00		6.64

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.23	238.48	49.34	240.13	1,092.08

b79

Field name: b79

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

Crop: Wheat, silage, soft dough Acres planted: 77 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 (%)
04/29/2023	1,409.00 ton	Dry-weight		68.9	16,700.00	3,200.00	16,800.00		8.46

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	1,494.00
Total actual harvest content	18.30	190.08	36.42	191.21	962.90

06/14/2023: Corn, silage

Crop: Corn, silage Acres planted: 77 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 (%)
09/19/2023	2,322.00 ton	Dry-weight		66.1	12,300.00	2,700.00	12,800.00		5.88

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	1,500.00
Total actual harvest content	30.16	251.48	55.20	261.70	1,202.20

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

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

NUTRIENT BUDGET

A. LAND APPLICATIONS

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

Field name: 10N

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	
10/24/2022	Broadcast/incorporate		No precipitation	No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure		Corral solids	193.85	47.83	70.49	0.00	950.00 <i>ton</i>
Application event totals			193.85	47.83	70.49	0.00	
11/11/2022	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
W11		Ground water	0.00	0.00	0.00	961.97	18,651,224.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	961.97	
01/24/2023	Surface (irrigation)		No precipitation	No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	19.35	3.01	22.81	272.10	948,554.00 <i>gal</i>
W11		Ground water	0.00	0.00	0.00	1,008.07	19,545,119.00 <i>gal</i>
Application event totals			19.35	3.01	22.81	1,280.18	
02/25/2023	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
Lagoon		Process wastewater	15.39	2.39	18.14	216.39	754,334.00 <i>gal</i>
W11		Ground water	0.00	0.00	0.00	951.38	18,445,991.00 <i>gal</i>
Application event totals			15.39	2.39	18.14	1,167.77	

10N - 05/25/2023: Corn, silage

Field name: 10N

Crop: Corn, silage

Plant date: 05/25/2023

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

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

10N - 05/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
05/15/2023	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
Lagoon		Process wastewater	90.50	8.45	133.14	483.17	2,646,852.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	66.96	19,256,987.00 <i>gal</i>
Application event totals			90.50	8.45	133.14	550.13	
06/09/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	69.32	19,935,498.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	69.32	
06/24/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	99.00	9.25	145.65	528.56	2,895,489.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	69.05	19,859,753.00 <i>gal</i>
Application event totals			99.00	9.25	145.65	597.62	
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
Kern Delta ID		Surface water	0.00	0.00	0.00	69.01	19,847,963.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	69.01	
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
Lagoon		Process wastewater	93.22	19.20	132.30	1,320.59	4,188,963.00 <i>gal</i>
Kern Delta ID		Surface water	3.20	0.00	0.00	68.66	19,747,852.00 <i>gal</i>
Application event totals			96.42	19.20	132.30	1,389.26	

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

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

10N - 05/25/2023: 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
Kern Delta ID	Surface water	0.00	0.00	0.00	69.05	19,859,842.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	69.05	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	68.11	19,589,668.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	68.11	
09/04/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	67.35	19,369,778.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	67.35	

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

Field name: 10S

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		
11/11/2022	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
Lagoon	Process wastewater	71.27	11.07	84.02	1,002.18	3,517,885.00 <i>gal</i>
W11	Ground water	0.00	0.00	0.00	887.40	17,324,991.00 <i>gal</i>
Application event totals		71.27	11.07	84.02	1,889.58	

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	71.62	11.13	84.44	1,007.21	3,535,545.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	59.89	17,344,921.00 <i>gal</i>
Application event totals		71.62	11.13	84.44	1,067.10	
02/25/2023	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
Lagoon	Process wastewater	74.08	11.51	87.34	1,041.80	3,656,948.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	59.17	17,133,951.00 <i>gal</i>
Application event totals		74.08	11.51	87.34	1,100.96	

10S - 05/25/2023: Corn, silage

Field name: 10S

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
Lagoon	Process wastewater	96.50	9.01	141.97	515.20	2,841,885.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	70.98	20,554,862.00 <i>gal</i>
Application event totals		96.50	9.01	141.97	586.18	
06/06/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	71.29	20,645,882.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	71.29	

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

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

10S - 05/25/2023: 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	
Lagoon		Process wastewater	83.33	7.78	122.60	444.90	2,454,115.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	70.74	20,485,667.00 <i>gal</i>	
Application event totals			83.33	7.78	122.60	515.64		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	71.32	20,654,775.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	71.32		
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	
Lagoon		Process wastewater	93.61	8.74	137.72	499.80	2,756,943.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	71.30	20,648,951.00 <i>gal</i>	
Application event totals			93.61	8.74	137.72	571.10		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	67.87	19,654,258.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	67.87		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	63.25	18,316,558.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	63.25		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	62.71	18,159,886.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	62.71		

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

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

11b1 - 11/11/2022: Wheat, silage, soft dough

Field name: 11b1

Crop: Wheat, silage, soft dough

Plant date: 11/11/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
10/26/2022	Broadcast/incorporate	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure		Corral solids	178.08	43.94	64.76	0.00	1,000.00 <i>ton</i>
Application event totals			178.08	43.94	64.76	0.00	
11/12/2022	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
Kern Delta ID		Surface water	0.00	0.00	0.00	69.58	22,930,219.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	69.58	
01/24/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	67.32	10.46	79.37	946.66	3,781,337.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	63.82	21,031,228.00 <i>gal</i>
Application event totals			67.32	10.46	79.37	1,010.48	
02/25/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	67.16	22,132,852.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	67.16	

11b1 - 05/30/2023: Corn, silage

Field name: 11b1

Crop: Corn, silage

Plant date: 05/30/2023

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

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

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

11b1 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
05/21/2023	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
Lagoon		Process wastewater	84.15	7.86	123.80	449.28	2,820,115.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	63.50	20,924,596.00 <i>gal</i>
Application event totals			84.15	7.86	123.80	512.78	
06/10/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	85.98	28,333,219.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	85.98	
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
Lagoon		Process wastewater	72.17	6.74	106.18	385.33	2,418,664.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	87.16	28,721,559.00 <i>gal</i>
Application event totals			72.17	6.74	106.18	472.48	
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
Kern Delta ID		Surface water	0.00	0.00	0.00	79.90	26,331,228.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	79.90	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	81.94	7.65	120.54	437.46	2,745,877.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	61.17	20,157,889.00 <i>gal</i>
Application event totals			81.94	7.65	120.54	498.63	

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

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

11b1 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/04/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	68.15	22,458,779.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	68.15	
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
Lagoon	Process wastewater	71.65	14.76	101.70	1,015.09	3,689,448.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	56.11	18,489,335.00 <i>gal</i>
Application event totals		71.65	14.76	101.70	1,071.19	
09/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	61.18	20,159,753.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	61.18	

12b3 - 11/11/2022: Wheat, silage, soft dough

Field name: 12b3

Crop: Wheat, silage, soft dough

Plant date: 11/11/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following			
10/26/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure		Corral solids	174.90	43.16	63.60	0.00	1,250.00 <i>ton</i>
Application event totals			174.90	43.16	63.60	0.00	
11/12/2022	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
Kern Delta ID		Surface water	0.00	0.00	0.00	73.35	30,765,224.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	73.35	

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

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

12b3 - 11/11/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	62.29	9.68	73.44	875.96	4,453,221.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	66.91	28,061,224.00 <i>gal</i>
Application event totals		62.29	9.68	73.44	942.87	
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	48.53	20,355,459.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	48.53	

12b3 - 06/15/2023: Sorghum-Sudangrass, forage

Field name: 12b3

Crop: Sorghum-Sudangrass, forage

Plant date: 06/15/2023

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
Lagoon	Process wastewater	70.39	6.57	103.55	375.79	3,002,115.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	79.52	33,350,221.00 <i>gal</i>
Application event totals		70.39	6.57	103.55	455.31	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.00	31,456,991.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.00	

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

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

12b3 - 06/15/2023: Sorghum-Sudangrass, forage

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
Lagoon	Process wastewater	71.64	6.69	105.39	382.47	3,055,498.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	79.06	33,159,664.00 <i>gal</i>
Application event totals		71.64	6.69	105.39	461.53	
09/04/2023	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
Lagoon	Process wastewater	89.14	8.32	131.15	475.93	3,802,115.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.60	28,351,224.00 <i>gal</i>
Application event totals		89.14	8.32	131.15	543.53	
10/04/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	71.96	30,179,334.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	71.96	

2b1 - 11/12/2022: Wheat, silage, soft dough

Field name: 2b1

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/13/2022	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
Lagoon	Process wastewater	79.29	12.32	93.48	1,115.05	755,825.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	62.87	3,515,664.00 <i>gal</i>
Application event totals		79.29	12.32	93.48	1,177.92	

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

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

2b1 - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	72.90	11.33	85.95	1,025.14	694,881.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	63.57	3,554,991.00 <i>gal</i>
Application event totals		72.90	11.33	85.95	1,088.71	
02/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	68.76	10.69	81.07	966.97	655,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	64.35	3,598,554.00 <i>gal</i>
Application event totals		68.76	10.69	81.07	1,031.32	

2b1 - 05/30/2023: Corn, silage

Field name: 2b1

Crop: Corn, silage

Plant date: 05/30/2023

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
Lagoon	Process wastewater	88.88	8.30	130.76	474.52	505,445.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	71.71	4,010,224.00 <i>gal</i>
Application event totals		88.88	8.30	130.76	546.23	
06/10/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	68.57	3,834,559.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	68.57	

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

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

2b1 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	98.41	9.19	144.78	525.42	559,664.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	63.15	3,531,225.00 <i>gal</i>
Application event totals		98.41	9.19	144.78	588.57	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	63.32	3,541,005.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	63.32	
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
Lagoon	Process wastewater	80.79	16.64	114.66	1,144.46	705,882.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	68.69	3,841,221.00 <i>gal</i>
Application event totals		80.79	16.64	114.66	1,213.15	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	66.62	3,725,449.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	66.62	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	57.61	3,221,554.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	57.61	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	54.70	3,058,996.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	54.70	

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

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

2b2 - 11/12/2022: Wheat, silage, soft dough

Field name: 2b2

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

Application date	Application method		Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/13/2022	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
Lagoon		Process wastewater	81.70	12.70	96.32	1,148.87	1,251,559.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	56.23	5,053,221.00 <i>gal</i>
Application event totals			81.70	12.70	96.32	1,205.09	
01/22/2023	Surface (irrigation)		No precipitation	No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	73.10	11.36	86.18	1,027.97	1,119,852.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	61.75	5,549,882.00 <i>gal</i>
Application event totals			73.10	11.36	86.18	1,089.72	
02/24/2023	Surface (irrigation)		No precipitation	No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	64.63	10.04	76.20	908.88	990,119.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	67.30	6,048,221.00 <i>gal</i>
Application event totals			64.63	10.04	76.20	976.18	

2b2 - 05/30/2023: Corn, silage

Field name: 2b2

Crop: Corn, silage

Plant date: 05/30/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/20/2023	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
Lagoon	Process wastewater	89.88	8.39	132.23	479.85	821,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.23	6,042,331.00 <i>gal</i>
Application event totals		89.88	8.39	132.23	547.08	

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

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

2b2 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/09/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	68.43	6,150,119.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	68.43	
06/22/2023	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
Lagoon	Process wastewater	82.44	7.70	121.28	440.13	753,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	72.70	6,533,540.00 <i>gal</i>
Application event totals		82.44	7.70	121.28	512.82	
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
Lagoon	Process wastewater	82.66	7.72	121.61	441.32	755,495.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	72.89	6,551,229.00 <i>gal</i>
Application event totals		82.66	7.72	121.61	514.22	
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
Lagoon	Process wastewater	46.81	9.64	66.43	663.13	657,334.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	68.31	6,138,990.00 <i>gal</i>
Application event totals		46.81	9.64	66.43	731.44	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	72.88	6,549,654.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	72.88	

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

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

2b2 - 05/30/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
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
Kern Delta ID	Surface water	0.00	0.00	0.00	69.50	6,245,879.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	69.50	
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
Lagoon	Process wastewater	23.38	4.82	33.19	331.25	328,357.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	71.71	6,444,597.00 <i>gal</i>
Application event totals		23.38	4.82	33.19	402.96	

2b3 - 11/11/2022: Wheat, silage, soft dough

Field name: 2b3

Crop: Wheat, silage, soft dough

Plant date: 11/11/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/12/2022	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
Lagoon	Process wastewater	75.49	11.73	89.00	1,061.58	1,773,245.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	74.22	10,228,551.00 <i>gal</i>
Application event totals		75.49	11.73	89.00	1,135.80	
01/20/2023	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
Lagoon	Process wastewater	79.66	12.38	93.92	1,120.24	1,871,239.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	62.06	8,552,336.00 <i>gal</i>
Application event totals		79.66	12.38	93.92	1,182.30	

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

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

2b3 - 11/11/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
02/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	66.40	10.32	78.28	933.71	1,559,664.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	61.82	8,519,882.00 <i>gal</i>
Application event totals		66.40	10.32	78.28	995.54	

2b3 - 06/01/2023: Corn, silage

Field name: 2b3

Crop: Corn, silage

Plant date: 06/01/2023

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
Lagoon	Process wastewater	83.72	7.82	123.16	446.96	1,173,224.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	58.27	8,030,119.00 <i>gal</i>
Application event totals		83.72	7.82	123.16	505.23	
06/13/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	66.02	9,098,553.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	66.02	
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
Lagoon	Process wastewater	85.93	8.02	126.42	458.77	1,204,228.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	65.45	9,019,664.00 <i>gal</i>
Application event totals		85.93	8.02	126.42	524.22	

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

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

2b3 - 06/01/2023: Corn, silage

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
Lagoon	Process wastewater	69.40	6.48	102.10	370.51	972,558.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	65.42	9,015,446.00 <i>gal</i>
Application event totals		69.40	6.48	102.10	435.93	
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
Lagoon	Process wastewater	62.40	5.83	91.81	333.18	874,559.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	72.68	10,015,664.00 <i>gal</i>
Application event totals		62.40	5.83	91.81	405.86	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	58.27	8,029,991.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	58.27	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	58.94	8,122,159.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	58.94	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	69.57	9,587,448.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	69.57	

2b4n - 11/12/2022: Wheat, silage, soft dough

Field name: 2b4n

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

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

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

2b4n - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/13/2022	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
Lagoon	Process wastewater	60.89	9.46	71.78	856.23	2,591,005.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	54.90	13,705,449.00 <i>gal</i>
Application event totals		60.89	9.46	71.78	911.13	
01/20/2023	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
Lagoon	Process wastewater	67.97	10.56	80.14	955.84	2,892,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	66.90	16,702,195.00 <i>gal</i>
Application event totals		67.97	10.56	80.14	1,022.75	
02/19/2023	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
Lagoon	Process wastewater	78.62	12.22	92.70	1,105.66	3,345,811.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	69.71	17,401,943.00 <i>gal</i>
Application event totals		78.62	12.22	92.70	1,175.37	

2b4n - 06/01/2023: Corn, silage

Field name: 2b4n

Crop: Corn, silage

Plant date: 06/01/2023

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
Lagoon	Process wastewater	78.48	7.33	115.46	419.02	1,992,559.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	70.90	17,701,224.00 <i>gal</i>
Application event totals		78.48	7.33	115.46	489.93	

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

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

2b4n - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/10/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	70.90	17,699,543.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	70.90	
06/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	78.83	7.36	115.97	420.85	2,001,229.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	68.88	17,195,831.00 <i>gal</i>
Application event totals		78.83	7.36	115.97	489.73	
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
Lagoon	Process wastewater	78.61	7.34	115.64	419.68	1,995,669.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	66.70	16,652,664.00 <i>gal</i>
Application event totals		78.61	7.34	115.64	486.38	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.03	17,232,449.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	69.03	
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
Lagoon	Process wastewater	61.58	12.69	87.41	872.45	2,402,285.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	70.46	17,589,240.00 <i>gal</i>
Application event totals		61.58	12.69	87.41	942.90	

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

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

2b4n - 06/01/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following		
08/21/2023	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
Kern Delta ID			Surface water		0.00	0.00	0.00	68.80	17,175,809.00 <i>gal</i>
Application event totals					0.00	0.00	0.00	68.80	
09/06/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation		
Source description			Material type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID			Surface water		0.00	0.00	0.00	69.13	17,258,996.00 <i>gal</i>
Application event totals					0.00	0.00	0.00	69.13	

2b4s - 11/12/2022: Wheat, silage, soft dough

Field name: 2b4s

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following		
11/13/2022	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		
Lagoon		Process wastewater	77.58	12.06	91.46	1,090.93	3,301,225.00 <i>gal</i>		
Kern Delta ID		Surface water	0.00	0.00	0.00	58.90	14,705,645.00 <i>gal</i>		
Application event totals			77.58	12.06	91.46	1,149.83			
01/24/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
Lagoon		Process wastewater	74.60	11.59	87.95	1,049.07	3,174,559.00 <i>gal</i>		
Kern Delta ID		Surface water	0.00	0.00	0.00	58.88	14,699,568.00 <i>gal</i>		
Application event totals			74.60	11.59	87.95	1,107.95			

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

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

2b4s - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
02/19/2023	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
Lagoon	Process wastewater	75.24	11.69	88.70	1,057.99	3,201,557.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	70.12	17,505,449.00 <i>gal</i>
Application event totals		75.24	11.69	88.70	1,128.11	

2b4s - 06/01/2023: Corn, silage

Field name: 2b4s

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/21/2023	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
Lagoon	Process wastewater	90.42	8.44	133.03	482.76	2,295,664.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.11	16,754,951.00 <i>gal</i>
Application event totals		90.42	8.44	133.03	549.88	
06/13/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	66.35	16,564,852.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	66.35	
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
Lagoon	Process wastewater	103.72	9.57	150.79	547.21	2,602,119.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	65.70	16,402,119.00 <i>gal</i>
Application event totals		103.72	9.57	150.79	612.91	

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

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

2b4s - 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
Lagoon	Process wastewater	95.55	8.92	140.58	510.16	2,425,951.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	62.31	15,555,468.00 <i>gal</i>
Application event totals		95.55	8.92	140.58	572.47	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	61.32	15,308,991.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	61.32	
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
Lagoon	Process wastewater	32.27	6.65	45.81	457.22	1,258,946.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	61.12	15,259,880.00 <i>gal</i>
Application event totals		32.27	6.65	45.81	518.34	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	66.03	16,483,276.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	66.03	
09/04/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	62.75	15,665,487.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	62.75	

3a1 - 11/12/2022: Wheat, silage, soft dough

Field name: 3a1

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

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

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

3a1 - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/13/2022	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
Lagoon	Process wastewater	85.43	13.28	100.72	1,201.31	872,459.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	51.22	3,068,721.00 <i>gal</i>
Application event totals		85.43	13.28	100.72	1,252.53	
01/23/2023	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
Lagoon	Process wastewater	87.98	13.67	103.72	1,237.19	898,514.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	51.01	3,056,334.00 <i>gal</i>
Application event totals		87.98	13.67	103.72	1,288.20	
02/19/2023	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
Lagoon	Process wastewater	78.74	12.24	92.84	1,107.32	804,195.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	51.34	3,075,824.00 <i>gal</i>
Application event totals		78.74	12.24	92.84	1,158.65	

3a1 - 06/01/2023: Corn, silage

Field name: 3a1

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/21/2023	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
Lagoon	Process wastewater	82.26	7.68	121.03	439.21	501,254.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	64.92	3,889,654.00 <i>gal</i>
Application event totals		82.26	7.68	121.03	504.13	

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

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

3a1 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/12/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	78.04	4,675,648.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	78.04	
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
Lagoon	Process wastewater	90.68	8.47	133.41	484.16	552,554.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	63.00	3,774,655.00 <i>gal</i>
Application event totals		90.68	8.47	133.41	547.16	
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
Lagoon	Process wastewater	90.59	8.46	133.27	483.63	551,951.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	73.25	4,388,582.00 <i>gal</i>
Application event totals		90.59	8.46	133.27	556.88	
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
Lagoon	Process wastewater	73.12	15.06	103.78	1,035.88	684,552.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.90	4,068,524.00 <i>gal</i>
Application event totals		73.12	15.06	103.78	1,103.79	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	69.86	4,185,498.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	69.86	

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

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

3a1 - 06/01/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/16/2023	Surface (irrigation)		No precipitation	No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID		Surface water	0.00	0.00	0.00	66.19	3,965,821.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	66.19	
09/04/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	72.75	4,358,991.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	72.75	

3a2 - 11/12/2022: Wheat, silage, soft dough

Field name: 3a2

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/13/2022	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
Lagoon	Process wastewater	76.95	11.96	90.73	1,082.17	785,931.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	61.85	3,705,648.00 <i>gal</i>
Application event totals		76.95	11.96	90.73	1,144.02	
01/18/2023	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
Lagoon	Process wastewater	73.89	11.48	87.11	1,039.02	754,597.00 <i>gal</i>
W11	Ground water	0.00	0.00	0.00	911.71	3,682,654.00 <i>gal</i>
Application event totals		73.89	11.48	87.11	1,950.73	

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

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

3a2 - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	64.32	9.99	75.83	904.44	656,852.00 <i>gal</i>
W11	Ground water	0.00	0.00	0.00	867.86	3,505,548.00 <i>gal</i>
Application event totals		64.32	9.99	75.83	1,772.30	

3a2 - 06/01/2023: Corn, silage

Field name: 3a2

Crop: Corn, silage

Plant date: 06/01/2023

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
Lagoon	Process wastewater	86.10	8.04	126.66	459.67	524,597.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	59.36	3,556,486.00 <i>gal</i>
Application event totals		86.10	8.04	126.66	519.02	
06/13/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	59.51	3,565,882.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	59.51	
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
Lagoon	Process wastewater	74.82	6.99	110.07	399.46	455,882.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	69.69	4,175,668.00 <i>gal</i>
Application event totals		74.82	6.99	110.07	469.15	

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

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

3a2 - 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
Kern Delta ID	Surface water	0.00	0.00	0.00	64.55	3,867,843.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	64.55	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	70.03	14.43	99.40	992.14	655,645.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	64.57	3,868,714.00 <i>gal</i>
Application event totals		70.03	14.43	99.40	1,056.71	
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
Lagoon	Process wastewater	69.00	14.21	97.93	977.47	645,948.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	59.68	3,575,648.00 <i>gal</i>
Application event totals		69.00	14.21	97.93	1,037.14	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	59.75	3,579,698.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	59.75	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	59.72	3,578,449.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	59.72	

3b1 - 11/12/2022: Wheat, silage, soft dough

Field name: 3b1

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

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

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

3b1 - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/13/2022	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
Lagoon	Process wastewater	80.93	12.58	95.42	1,138.12	1,845,991.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.17	8,987,915.00 <i>gal</i>
Application event totals		80.93	12.58	95.42	1,205.28	
01/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	69.09	10.74	81.46	971.62	1,575,946.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.77	9,068,557.00 <i>gal</i>
Application event totals		69.09	10.74	81.46	1,039.39	
02/23/2023	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
Lagoon	Process wastewater	63.73	9.90	75.13	896.16	1,453,554.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	63.68	8,521,558.00 <i>gal</i>
Application event totals		63.73	9.90	75.13	959.85	

3b1 - 06/02/2023: Corn, silage

Field name: 3b1

Crop: Corn, silage

Plant date: 06/02/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/23/2023	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
Lagoon	Process wastewater	65.58	6.12	96.48	350.14	892,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	83.14	11,124,934.00 <i>gal</i>
Application event totals		65.58	6.12	96.48	433.28	

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

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

3b1 - 06/02/2023: Corn, silage

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																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>68.77</td><td>6.42</td><td>101.18</td><td>367.17</td><td>935,841.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>68.98</td><td>9,230,492.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>68.77</td><td>6.42</td><td>101.18</td><td>436.15</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	68.77	6.42	101.18	367.17	935,841.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	68.98	9,230,492.00 <i>gal</i>	Application event totals		68.77	6.42	101.18	436.15	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	68.77	6.42	101.18	367.17	935,841.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	68.98	9,230,492.00 <i>gal</i>																										
Application event totals		68.77	6.42	101.18	436.15																											
07/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>75.36</td><td>7.04</td><td>110.87</td><td>402.34</td><td>1,025,493.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>71.66</td><td>9,589,617.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>75.36</td><td>7.04</td><td>110.87</td><td>474.01</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	75.36	7.04	110.87	402.34	1,025,493.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	71.66	9,589,617.00 <i>gal</i>	Application event totals		75.36	7.04	110.87	474.01	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	75.36	7.04	110.87	402.34	1,025,493.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	71.66	9,589,617.00 <i>gal</i>																										
Application event totals		75.36	7.04	110.87	474.01																											
07/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>53.38</td><td>10.99</td><td>75.75</td><td>756.16</td><td>1,115,994.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>78.59</td><td>10,515,735.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>53.38</td><td>10.99</td><td>75.75</td><td>834.74</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	53.38	10.99	75.75	756.16	1,115,994.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	78.59	10,515,735.00 <i>gal</i>	Application event totals		53.38	10.99	75.75	834.74	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	53.38	10.99	75.75	756.16	1,115,994.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	78.59	10,515,735.00 <i>gal</i>																										
Application event totals		53.38	10.99	75.75	834.74																											
07/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>59.19</td><td>12.19</td><td>84.01</td><td>838.53</td><td>1,237,559.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>71.16</td><td>9,522,735.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>59.19</td><td>12.19</td><td>84.01</td><td>909.69</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	59.19	12.19	84.01	838.53	1,237,559.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	71.16	9,522,735.00 <i>gal</i>	Application event totals		59.19	12.19	84.01	909.69	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	59.19	12.19	84.01	838.53	1,237,559.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	71.16	9,522,735.00 <i>gal</i>																										
Application event totals		59.19	12.19	84.01	909.69																											
08/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>71.15</td><td>9,520,493.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td><td>71.15</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Kern Delta ID	Surface water	0.00	0.00	0.00	71.15	9,520,493.00 <i>gal</i>	Application event totals		0.00	0.00	0.00	71.15								
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Kern Delta ID	Surface water	0.00	0.00	0.00	71.15	9,520,493.00 <i>gal</i>																										
Application event totals		0.00	0.00	0.00	71.15																											

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

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

3b1 - 06/02/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Kern Delta ID		Surface water	0.00	0.00	0.00	71.23	9,531,559.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	71.23	

3b2 - 11/13/2022: Wheat, silage, soft dough

Field name: 3b2

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/14/2022	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
Lagoon	Process wastewater	79.74	12.39	94.01	1,121.36	1,221,587.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	56.23	5,053,667.00 <i>gal</i>
Application event totals		79.74	12.39	94.01	1,177.59	
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
Lagoon	Process wastewater	75.58	11.75	89.11	1,062.88	1,157,884.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	55.97	5,029,825.00 <i>gal</i>
Application event totals		75.58	11.75	89.11	1,118.84	
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
Lagoon	Process wastewater	71.99	11.19	84.88	1,012.39	1,102,885.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.32	6,050,159.00 <i>gal</i>
Application event totals		71.99	11.19	84.88	1,079.71	

3b2 - 06/02/2023: Corn, silage

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

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

3b2 - 06/02/2023: Corn, silage

Field name: 3b2

Crop: Corn, silage

Plant date: 06/02/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following
05/23/2023	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
Lagoon		Process wastewater	77.09	7.20	113.41	411.57	704,559.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	69.56	6,251,228.00 <i>gal</i>
Application event totals			77.09	7.20	113.41	481.12	
06/13/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	66.19	5,949,175.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	66.19	
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
Lagoon		Process wastewater	71.01	6.63	104.47	379.11	648,996.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	66.14	5,944,581.00 <i>gal</i>
Application event totals			71.01	6.63	104.47	445.25	
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
Kern Delta ID		Surface water	0.00	0.00	0.00	66.23	5,952,685.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	66.23	
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
Lagoon		Process wastewater	70.89	14.60	100.61	1,004.26	995,485.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	68.15	6,124,951.00 <i>gal</i>
Application event totals			70.89	14.60	100.61	1,072.41	

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

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

3b2 - 06/02/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	67.38	6,055,784.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	67.38	
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
Lagoon	Process wastewater	70.13	14.45	99.53	993.51	984,825.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	66.08	5,938,914.00 <i>gal</i>
Application event totals		70.13	14.45	99.53	1,059.59	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	66.62	5,987,448.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	66.62	

3b3 - 11/13/2022: Wheat, silage, soft dough

Field name: 3b3

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/14/2022	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
Lagoon	Process wastewater	70.09	10.89	82.64	985.71	1,121,542.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	54.18	5,085,449.00 <i>gal</i>
Application event totals		70.09	10.89	82.64	1,039.89	

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

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

3b3 - 11/13/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/18/2023	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
Lagoon	Process wastewater	81.91	12.73	96.57	1,151.83	1,310,559.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	53.98	5,066,582.00 <i>gal</i>
Application event totals		81.91	12.73	96.57	1,205.81	
02/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	67.89	10.55	80.05	954.77	1,086,338.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	55.30	5,191,224.00 <i>gal</i>
Application event totals		67.89	10.55	80.05	1,010.07	

3b3 - 06/03/2023: Corn, silage

Field name: 3b3

Crop: Corn, silage

Plant date: 06/03/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/23/2023	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
Lagoon	Process wastewater	80.82	7.55	118.91	431.52	771,548.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	59.49	5,584,559.00 <i>gal</i>
Application event totals		80.82	7.55	118.91	491.01	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	66.92	6,281,229.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	66.92	

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

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

3b3 - 06/03/2023: Corn, silage

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	
Lagoon	Process wastewater	79.16	7.39	116.46	422.65	755,684.00 gal	
W11	Ground water	0.00	0.00	0.00	433.77	7,185,492.00 gal	
Application event totals		79.16	7.39	116.46	856.42		
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	
Kern Delta ID	Surface water	0.00	0.00	0.00	69.95	6,565,825.00 gal	
Application event totals		0.00	0.00	0.00	69.95		
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	
Lagoon	Process wastewater	84.42	7.88	124.20	450.71	805,864.00 gal	
Kern Delta ID	Surface water	0.00	0.00	0.00	70.09	6,579,558.00 gal	
Application event totals		84.42	7.88	124.20	520.81		
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	
Kern Delta ID	Surface water	0.00	0.00	0.00	70.17	6,586,554.00 gal	
Application event totals		0.00	0.00	0.00	70.17		
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	
Lagoon	Process wastewater	51.60	10.63	73.24	731.04	756,852.00 gal	
Kern Delta ID	Surface water	0.00	0.00	0.00	70.10	6,580,465.00 gal	
Application event totals		51.60	10.63	73.24	801.14		

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

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

3b3 - 06/03/2023: Corn, silage

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
Kern Delta ID		Surface water	0.00	0.00	0.00	54.61	5,126,335.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	54.61	

3c - 11/13/2022: Wheat, silage, soft dough

Field name: 3c

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/14/2022	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
Lagoon	Process wastewater	86.84	13.50	102.39	1,221.22	1,951,227.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	56.38	7,431,449.00 <i>gal</i>
Application event totals		86.84	13.50	102.39	1,277.60	
01/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	73.45	11.41	86.59	1,032.84	1,650,228.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	60.39	7,959,884.00 <i>gal</i>
Application event totals		73.45	11.41	86.59	1,093.22	
02/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	78.15	12.14	92.14	1,098.96	1,755,880.00 <i>gal</i>
W11	Ground water	0.00	0.00	0.00	798.66	7,097,229.00 <i>gal</i>
Application event totals		78.15	12.14	92.14	1,897.62	

3c - 06/04/2023: Corn, silage

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

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

3c - 06/04/2023: Corn, silage

Field name: 3c

Crop: Corn, silage

Plant date: 06/04/2023

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
05/24/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	86.20	8.05	126.82	460.24	1,155,546.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	73.17	9,644,489.00 <i>gal</i>	
Application event totals			86.20	8.05	126.82	533.40		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	73.01	9,623,456.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	73.01		
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	
Lagoon		Process wastewater	78.80	7.36	115.93	420.72	1,056,331.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	70.04	9,232,456.00 <i>gal</i>	
Application event totals			78.80	7.36	115.93	490.76		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	72.26	9,524,896.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	72.26		
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	
Lagoon		Process wastewater	99.35	20.47	141.01	1,407.53	2,046,331.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	72.23	9,521,665.00 <i>gal</i>	
Application event totals			99.35	20.47	141.01	1,479.76		

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

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

3c - 06/04/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
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
Kern Delta ID	Surface water	0.00	0.00	0.00	70.90	9,345,321.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	70.90	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	70.75	9,325,446.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	70.75	

4E - 11/12/2022: Wheat, silage, soft dough

Field name: 4E

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
10/24/2022	Broadcast/incorporate		No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Manure		Corral solids	217.65	53.71	79.15	0.00	1,000.00 <i>ton</i>	
Application event totals			217.65	53.71	79.15	0.00		
11/13/2022	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	
Kern Delta ID		Surface water	0.00	0.00	0.00	51.42	13,864,889.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	51.42		
01/19/2023	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	
Kern Delta ID		Surface water	0.00	0.00	0.00	55.10	14,856,221.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	55.10		

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

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

4E - 11/12/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following			
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID		Surface water	0.00	0.00	0.00	49.18	13,259,834.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	49.18	

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

Field name: 4E

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/14/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	246.96	73.77	362.43	0.00	850.00 <i>ton</i>
Application event totals		246.96	73.77	362.43	0.00	
05/20/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,995.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
06/14/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	

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

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

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

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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
09/04/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	

4W - 11/14/2022: Wheat, silage, soft dough

Field name: 4W

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

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

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

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

4W - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following			
10/24/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure		Corral solids	206.77	51.02	75.19	0.00	950.00 <i>ton</i>
Application event totals			206.77	51.02	75.19	0.00	
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
Kern Delta ID		Surface water	0.00	0.00	0.00	58.46	15,761,548.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	58.46	
01/18/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	57.72	15,562,147.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	57.72	
02/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID		Surface water	0.00	0.00	0.00	59.21	15,963,805.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	59.21	

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

Field name: 4W

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/14/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	228.54	56.39	83.10	0.00	1,050.00 <i>ton</i>
Application event totals		228.54	56.39	83.10	0.00	

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

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

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/21/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
06/14/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.87	

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

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

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

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following		
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		
Kern Delta ID		Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	75.87			
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		
Kern Delta ID		Surface water	0.00	0.00	0.00	75.87	20,456,992.00 <i>gal</i>		
Application event totals			0.00	0.00	0.00	75.87			

9 - 11/14/2022: Wheat, silage, soft dough

Field name: 9

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022

Application date	Application method		Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/24/2022	Broadcast/incorporate		No precipitation	No precipitation		No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure		Corral solids	182.34	44.99	66.31	0.00	1,750.00 <i>ton</i>
Application event totals			182.34	44.99	66.31	0.00	
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
Kern Delta ID		Surface water	0.00	0.00	0.00	71.47	40,250,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	71.47	
01/20/2023	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
Kern Delta ID		Surface water	0.00	0.00	0.00	71.47	40,250,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	71.47	

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

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

9 - 11/14/2022: 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	No precipitation	No precipitation			
	Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
	Kern Delta ID	Surface water	0.00	0.00	0.00	71.47	40,250,000.00 <i>gal</i>
	Application event totals		0.00	0.00	0.00	71.47	

9 - 06/04/2023: Corn, silage

Field name: 9

Crop: Corn, silage

Plant date: 06/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/15/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	239.93	71.67	352.11	0.00	1,725.00 <i>ton</i>
Application event totals		239.93	71.67	352.11	0.00	
05/25/2022	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
Kern Delta ID	Surface water	0.00	0.00	0.00	75.82	42,705,498.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	75.82	
06/15/2022	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
Kern Delta ID	Surface water	0.00	0.00	0.00	77.50	43,649,772.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	77.50	
06/25/2022	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.88	44,987,548.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.88	

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

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

9 - 06/04/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/07/2022	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
W11	Ground water	0.00	0.00	0.00	1,164.67	44,221,559.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	1,164.67	
07/15/2022	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.15	44,578,951.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.15	
07/25/2022	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.08	44,541,228.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.08	
08/05/2022	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.83	44,963,114.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.83	

b61 - 11/16/2018: Alfalfa, hay

Field name: b61

Crop: Alfalfa, hay

Plant date: 11/16/2018

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/05/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.83	20,566,695.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.83	

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

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

b61 - 11/16/2018: Alfalfa, hay

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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.85	20,571,297.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.85	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.86	20,574,597.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.86	
06/08/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.84	20,569,852.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.84	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	79.80	20,559,820.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.80	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.85	20,571,397.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.85	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.86	20,574,597.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.86	

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

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

b61 - 11/16/2018: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/12/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	79.81	20,562,587.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	79.81	

b62 - 11/16/2018: Alfalfa, hay

Field name: b62

Crop: Alfalfa, hay

Plant date: 11/16/2018

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
03/05/2023	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	
Kern Delta ID		Surface water	0.00	0.00	0.00	83.61	20,539,886.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	83.61		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	83.61	20,540,159.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	83.61		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	83.61	20,538,449.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	83.61		
06/08/2023	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	
Kern Delta ID		Surface water	0.00	0.00	0.00	83.61	20,538,991.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	83.61		

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

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

b62 - 11/16/2018: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	83.62	20,541,354.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	83.62	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	83.62	20,542,667.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	83.62	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	83.61	20,538,701.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	83.61	
10/12/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	83.63	20,543,680.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	83.63	

b63 - 06/19/2023: Sorghum-Sudangrass, forage

Field name: b63

Crop: Sorghum-Sudangrass, forage Plant date: 06/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/09/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	81.29	24,515,449.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	81.29	

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

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

b63 - 06/19/2023: Sorghum-Sudangrass, forage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/04/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	207.81	62.07	304.97	0.00	800.00 <i>ton</i>
Application event totals		207.81	62.07	304.97	0.00	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.98	25,024,593.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	82.98	
08/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	56.43	11.62	80.09	799.40	2,658,996.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	81.29	24,514,449.00 <i>gal</i>
Application event totals		56.43	11.62	80.09	880.69	
09/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	81.30	24,516,825.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	81.30	
10/05/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	81.29	24,516,753.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	81.29	

b64 - 06/20/2023: Sorghum-Sudangrass, forage

Field name: b64

Crop: Sorghum-Sudangrass, forage

Plant date: 06/20/2023

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

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

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

b64 - 06/20/2023: Sorghum-Sudangrass, forage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
05/25/2023	Broadcast/incorporate	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Manure		Corral solids	196.12	58.58	287.81	0.00	700.00 <i>ton</i>	
Application event totals			196.12	58.58	287.81	0.00		
06/10/2023	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	
Kern Delta ID		Surface water	0.00	0.00	0.00	80.75	22,578,541.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	80.75		
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	
Lagoon		Process wastewater	28.76	5.92	40.82	407.42	1,256,448.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	80.74	22,575,840.00 <i>gal</i>	
Application event totals			28.76	5.92	40.82	488.16		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	80.74	22,576,951.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	80.74		
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	
Kern Delta ID		Surface water	0.00	0.00	0.00	80.75	22,578,159.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	80.75		
10/05/2023	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	
Kern Delta ID		Surface water	0.00	0.00	0.00	80.75	22,579,645.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	80.75		

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

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

b73 - 11/16/2022: Wheat, silage, soft dough

Field name: b73

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	
11/17/2022	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	
Lagoon		Process wastewater	76.37	11.87	90.04	1,073.97	4,497,881.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	78.41	27,090,227.00 <i>gal</i>	
Application event totals			76.37	11.87	90.04	1,152.38		
01/21/2023	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	
Lagoon		Process wastewater	68.96	10.72	81.30	969.76	4,061,448.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	50.91	17,589,159.00 <i>gal</i>	
Application event totals			68.96	10.72	81.30	1,020.67		
02/22/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	51.13	7.95	60.28	719.05	3,011,449.00 <i>gal</i>	
Kern Delta ID		Surface water	0.00	0.00	0.00	45.12	15,591,224.00 <i>gal</i>	
Application event totals			51.13	7.95	60.28	764.18		

b73 - 06/04/2023: Corn, silage

Field name: b73

Crop: Corn, silage

Plant date: 06/04/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/14/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	215.70	53.23	78.44	0.00	1,270.00 <i>ton</i>
Application event totals		215.70	53.23	78.44	0.00	

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

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

b73 - 06/04/2023: Corn, silage

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
Kern Delta ID	Surface water	0.00	0.00	0.00	71.17	24,589,159.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	71.17	
06/14/2023	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
Lagoon	Process wastewater	44.44	4.15	65.38	237.26	1,561,448.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	71.17	24,589,654.00 <i>gal</i>
Application event totals		44.44	4.15	65.38	308.42	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	71.17	24,589,564.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	71.17	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	71.17	24,590,118.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	71.17	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	71.46	24,689,955.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	71.46	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	73.98	25,559,882.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	73.98	

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

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

b73 - 06/04/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
08/19/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID			Surface water	0.00	0.00	0.00	72.55	25,068,445.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	72.55	
09/06/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID			Surface water	0.00	0.00	0.00	71.11	24,569,887.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	71.11	

b74 - 11/15/2022: Wheat, silage, soft dough

Field name: b74

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following			
11/16/2022	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
Lagoon		Process wastewater	83.16	12.92	98.05	1,169.49	4,048,551.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	73.10	20,876,448.00 <i>gal</i>
Application event totals			83.16	12.92	98.05	1,242.58	
01/18/2023	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
Lagoon		Process wastewater	81.10	12.60	95.61	1,140.44	3,948,008.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	53.76	15,352,667.00 <i>gal</i>
Application event totals			81.10	12.60	95.61	1,194.20	

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

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

b74 - 11/15/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
02/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	68.91	10.71	81.25	969.09	3,354,821.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	46.04	13,150,227.00 <i>gal</i>
Application event totals		68.91	10.71	81.25	1,015.14	

b74 - 06/05/2023: Sorghum-Sudangrass, forage

Field name: b74

Crop: Sorghum-Sudangrass, forage Plant date: 06/05/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
05/15/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	154.11	38.03	56.04	0.00	750.00 <i>ton</i>
Application event totals		154.11	38.03	56.04	0.00	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	83.16	23,750,119.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	83.16	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	82.82	23,653,667.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	82.82	

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

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

b74 - 06/05/2023: Sorghum-Sudangrass, forage

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
Lagoon	Process wastewater	68.31	14.07	96.95	967.70	3,048,258.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	82.12	23,454,753.00 <i>gal</i>
Application event totals		68.31	14.07	96.95	1,049.82	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	87.36	24,948,991.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	87.36	

b75w - 11/15/2022: Wheat, silage, soft dough

Field name: b75w

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/16/2022	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
Lagoon	Process wastewater	87.36	13.58	103.00	1,228.53	446,115.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	68.78	2,060,445.00 <i>gal</i>
Application event totals		87.36	13.58	103.00	1,297.31	
01/20/2023	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
Lagoon	Process wastewater	68.78	10.69	81.09	967.23	351,228.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	55.59	1,665,448.00 <i>gal</i>
Application event totals		68.78	10.69	81.09	1,022.82	

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

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

b75w - 11/15/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
02/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	66.75	10.37	78.70	938.65	340,851.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	58.79	1,761,337.00 <i>gal</i>
Application event totals		66.75	10.37	78.70	997.45	

b75w - 06/10/2023: Corn, silage

Field name: **b75w**

Crop: **Corn, silage**

Plant date: **06/10/2023**

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
Lagoon	Process wastewater	84.98	7.94	125.02	453.71	258,901.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	68.80	2,061,228.00 <i>gal</i>
Application event totals		84.98	7.94	125.02	522.51	
06/19/2023	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
Kern Delta ID	Surface water	0.00	0.00	0.00	55.38	1,658,991.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	55.38	
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
Lagoon	Process wastewater	82.86	7.74	121.91	442.40	252,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	61.95	1,855,834.00 <i>gal</i>
Application event totals		82.86	7.74	121.91	504.35	

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

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

b75w - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	62.13	1,861,224.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	62.13	
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
Lagoon	Process wastewater	67.44	6.30	99.21	360.04	205,449.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	65.35	1,957,880.00 <i>gal</i>
Application event totals		67.44	6.30	99.21	425.39	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	65.47	1,961,228.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	65.47	
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
Lagoon	Process wastewater	65.30	13.45	92.67	925.03	305,648.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	65.43	1,960,119.00 <i>gal</i>
Application event totals		65.30	13.45	92.67	990.46	
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
Kern Delta ID	Surface water	0.00	0.00	0.00	72.10	2,159,887.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	72.10	

b76w - 11/16/2022: Wheat, silage, soft dough

Field name: b76w

Crop: Wheat, silage, soft dough

Plant date: 11/16/2022

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

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

b76w - 11/16/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/17/2022	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
Lagoon	Process wastewater	87.90	13.66	103.64	1,236.13	598,500.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	64.00	2,556,228.00 <i>gal</i>
Application event totals		87.90	13.66	103.64	1,300.13	
01/19/2023	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
Lagoon	Process wastewater	82.73	12.86	97.53	1,163.33	563,248.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	51.55	2,058,991.00 <i>gal</i>
Application event totals		82.73	12.86	97.53	1,214.87	
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	80.34	12.48	94.72	1,129.79	547,009.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	51.60	2,061,247.00 <i>gal</i>
Application event totals		80.34	12.48	94.72	1,181.39	

b76w - 06/10/2023: Corn, silage

Field name: b76w

Crop: Corn, silage

Plant date: 06/10/2023

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
Lagoon	Process wastewater	88.24	8.24	129.82	471.14	358,459.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	76.52	3,056,401.00 <i>gal</i>
Application event totals		88.24	8.24	129.82	547.65	

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

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

b76w - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
06/22/2023	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	
Kern Delta ID	Surface water	0.00	0.00	0.00	71.41	2,852,490.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	71.41		
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	
Lagoon	Process wastewater	96.28	8.99	141.65	514.06	391,118.00 <i>gal</i>	
Kern Delta ID	Surface water	0.00	0.00	0.00	76.48	3,054,801.00 <i>gal</i>	
Application event totals		96.28	8.99	141.65	590.54		
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	
Kern Delta ID	Surface water	0.00	0.00	0.00	73.88	2,951,208.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	73.88		
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	
Lagoon	Process wastewater	84.22	17.35	119.54	1,193.18	525,669.00 <i>gal</i>	
Kern Delta ID	Surface water	0.00	0.00	0.00	73.84	2,949,663.00 <i>gal</i>	
Application event totals		84.22	17.35	119.54	1,267.03		
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	
Kern Delta ID	Surface water	0.00	0.00	0.00	71.76	2,866,542.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	71.76		
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	
Kern Delta ID	Surface water	0.00	0.00	0.00	72.63	2,901,256.00 <i>gal</i>	
Application event totals		0.00	0.00	0.00	72.63		

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

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

b77w - 11/16/2022: Wheat, silage, soft dough

Field name: b77w

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
11/17/2022	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
Lagoon	Process wastewater	89.31	13.88	105.30	1,255.99	2,341,228.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	68.42	10,521,448.00 <i>gal</i>
Application event totals		89.31	13.88	105.30	1,324.40	

01/17/2023	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
Lagoon	Process wastewater	87.55	13.61	103.22	1,231.19	2,295,007.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	61.91	9,520,375.00 <i>gal</i>
Application event totals		87.55	13.61	103.22	1,293.10	

02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation
------------	----------------------	------------------	------------------	------------------

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	58.79	9.14	69.31	826.70	1,541,008.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	52.80	8,119,773.00 <i>gal</i>
Application event totals		58.79	9.14	69.31	879.50	

b77w - 06/10/2023: Corn, silage

Field name: b77w

Crop: Corn, silage

Plant date: 06/10/2023

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
Kern Delta ID	Surface water	0.00	0.00	0.00	67.12	10,321,334.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	67.12	

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

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

b77w - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following																												
06/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>98.54</td><td>9.20</td><td>144.96</td><td>526.08</td><td>1,541,005.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>63.22</td><td>9,722,175.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>98.54</td><td>9.20</td><td>144.96</td><td>589.30</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	98.54	9.20	144.96	526.08	1,541,005.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	63.22	9,722,175.00 <i>gal</i>	Application event totals		98.54	9.20	144.96	589.30	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	98.54	9.20	144.96	526.08	1,541,005.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	63.22	9,722,175.00 <i>gal</i>																										
Application event totals		98.54	9.20	144.96	589.30																											
07/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>61.26</td><td>9,420,119.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td><td>61.26</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Kern Delta ID	Surface water	0.00	0.00	0.00	61.26	9,420,119.00 <i>gal</i>	Application event totals		0.00	0.00	0.00	61.26								
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Kern Delta ID	Surface water	0.00	0.00	0.00	61.26	9,420,119.00 <i>gal</i>																										
Application event totals		0.00	0.00	0.00	61.26																											
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>95.76</td><td>19.73</td><td>135.91</td><td>1,356.60</td><td>2,301,008.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>59.30</td><td>9,119,554.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>95.76</td><td>19.73</td><td>135.91</td><td>1,415.90</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	95.76	19.73	135.91	1,356.60	2,301,008.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	59.30	9,119,554.00 <i>gal</i>	Application event totals		95.76	19.73	135.91	1,415.90	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	95.76	19.73	135.91	1,356.60	2,301,008.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	59.30	9,119,554.00 <i>gal</i>																										
Application event totals		95.76	19.73	135.91	1,415.90																											
07/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>81.42</td><td>12,520,700.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td><td>81.42</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Kern Delta ID	Surface water	0.00	0.00	0.00	81.42	12,520,700.00 <i>gal</i>	Application event totals		0.00	0.00	0.00	81.42								
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Kern Delta ID	Surface water	0.00	0.00	0.00	81.42	12,520,700.00 <i>gal</i>																										
Application event totals		0.00	0.00	0.00	81.42																											
08/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation																												
<table><tr><th>Source description</th><th>Material type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Lagoon</td><td>Process wastewater</td><td>94.01</td><td>19.37</td><td>133.43</td><td>1,331.84</td><td>2,259,004.00 <i>gal</i></td></tr><tr><td>Kern Delta ID</td><td>Surface water</td><td>0.00</td><td>0.00</td><td>0.00</td><td>72.33</td><td>11,123,540.00 <i>gal</i></td></tr><tr><td>Application event totals</td><td></td><td>94.01</td><td>19.37</td><td>133.43</td><td>1,404.17</td><td></td></tr></table>					Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Lagoon	Process wastewater	94.01	19.37	133.43	1,331.84	2,259,004.00 <i>gal</i>	Kern Delta ID	Surface water	0.00	0.00	0.00	72.33	11,123,540.00 <i>gal</i>	Application event totals		94.01	19.37	133.43	1,404.17	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																										
Lagoon	Process wastewater	94.01	19.37	133.43	1,331.84	2,259,004.00 <i>gal</i>																										
Kern Delta ID	Surface water	0.00	0.00	0.00	72.33	11,123,540.00 <i>gal</i>																										
Application event totals		94.01	19.37	133.43	1,404.17																											

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

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

b77w - 06/10/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following		
09/01/2023	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
Kern Delta ID			Surface water		0.00	0.00	0.00	66.44	10,217,880.00 <i>gal</i>
Application event totals					0.00	0.00	0.00	66.44	
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
Kern Delta ID			Surface water		0.00	0.00	0.00	68.73	10,569,847.00 <i>gal</i>
Application event totals					0.00	0.00	0.00	68.73	

b78 - 11/16/2022: Wheat, silage, soft dough

Field name: b78

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	
11/17/2022	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
Lagoon		Process wastewater	86.86	13.50	102.41	1,221.52	3,548,559.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	60.24	14,436,448.00 <i>gal</i>
Application event totals			86.86	13.50	102.41	1,281.76	
01/19/2023	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
Lagoon		Process wastewater	82.22	12.78	96.94	1,156.26	3,358,951.00 <i>gal</i>
Kern Delta ID		Surface water	0.00	0.00	0.00	53.56	12,836,489.00 <i>gal</i>
Application event totals			82.22	12.78	96.94	1,209.82	

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

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

b78 - 11/16/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	68.85	10.70	81.17	968.15	2,812,489.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	59.42	14,241,224.00 <i>gal</i>
Application event totals		68.85	10.70	81.17	1,027.57	

b78 - 06/10/2023: Corn, silage

Field name: b78

Crop: Corn, silage

Plant date: 06/10/2023

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
Lagoon	Process wastewater	63.84	6.04	73.15	811.31	1,912,554.00 <i>gal</i>
W12	Ground water	0.00	0.00	0.00	263.15	15,136,458.00 <i>gal</i>
Application event totals		63.84	6.04	73.15	1,074.47	
06/19/2023	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
W12	Ground water	0.00	0.00	0.00	263.15	15,136,448.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	263.15	
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
Lagoon	Process wastewater	75.10	7.10	86.05	954.38	2,249,821.00 <i>gal</i>
W12	Ground water	0.00	0.00	0.00	263.18	15,137,880.00 <i>gal</i>
Application event totals		75.10	7.10	86.05	1,217.56	

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

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

b78 - 06/10/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
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
Kern Delta ID	Surface water	3.14	0.00	0.00	1,144.43	16,134,005.00 <i>gal</i>
Application event totals		3.14	0.00	0.00	1,144.43	
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
Lagoon	Process wastewater	65.08	6.16	74.58	827.12	1,949,810.00 <i>gal</i>
Kern Delta ID	Surface water	2.95	0.00	0.00	1,073.67	15,136,448.00 <i>gal</i>
Application event totals		68.03	6.16	74.58	1,900.78	
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
Kern Delta ID	Surface water	3.14	0.00	0.00	1,144.39	16,133,458.00 <i>gal</i>
Application event totals		3.14	0.00	0.00	1,144.39	
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
Lagoon	Process wastewater	75.10	7.10	86.05	954.36	2,249,770.00 <i>gal</i>
Kern Delta ID	Surface water	3.53	0.00	0.00	1,285.97	18,129,448.00 <i>gal</i>
Application event totals		78.63	7.10	86.05	2,240.33	
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
W12	Ground water	0.00	0.00	0.00	320.87	18,456,115.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	320.87	

b79 - 11/16/2022: Wheat, silage, soft dough

Field name: **b79**

Crop: **Wheat, silage, soft dough**

Plant date: **11/16/2022**

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

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

b79 - 11/16/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/17/2022	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
Lagoon	Process wastewater	77.88	12.10	91.82	1,095.22	2,041,558.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	69.72	10,721,448.00 <i>gal</i>
Application event totals		77.88	12.10	91.82	1,164.94	
01/17/2023	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
Lagoon	Process wastewater	77.88	12.10	91.82	1,095.22	2,041,558.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	46.30	7,120,490.00 <i>gal</i>
Application event totals		77.88	12.10	91.82	1,141.52	
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	72.82	11.32	85.86	1,024.06	1,908,901.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	51.49	7,918,775.00 <i>gal</i>
Application event totals		72.82	11.32	85.86	1,075.55	

b79 - 06/14/2023: Corn, silage

Field name: b79

Crop: Corn, silage

Plant date: 06/14/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/04/2023	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
Lagoon	Process wastewater	98.57	9.21	145.02	526.27	1,541,554.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.12	10,321,448.00 <i>gal</i>
Application event totals		98.57	9.21	145.02	593.38	

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

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

b79 - 06/14/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	87.91	13,518,775.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	87.91	
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
Lagoon	Process wastewater	85.85	8.02	126.30	458.33	1,342,559.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	67.72	10,414,880.00 <i>gal</i>
Application event totals		85.85	8.02	126.30	526.06	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	85.25	13,109,554.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	85.25	
08/04/2023	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
Lagoon	Process wastewater	51.79	10.67	73.51	733.72	1,244,501.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	85.23	13,107,800.00 <i>gal</i>
Application event totals		51.79	10.67	73.51	818.95	
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
Lagoon	Process wastewater	64.73	13.33	91.87	917.06	1,555,480.00 <i>gal</i>
Kern Delta ID	Surface water	0.00	0.00	0.00	79.45	12,217,554.00 <i>gal</i>
Application event totals		64.73	13.33	91.87	996.51	

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

b79 - 06/14/2023: Corn, silage

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
Kern Delta ID	Surface water	0.00	0.00	0.00	72.30	11,118,774.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	72.30	

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

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

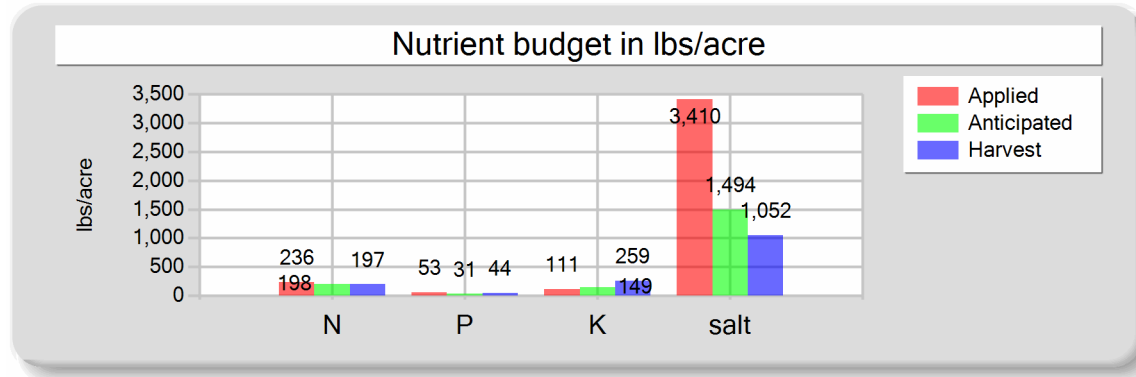
B. NUTRIENT BUDGET

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

Field name: 10N

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	56,642,334.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,085.94 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.49 inches/acre
Dry manure	193.85	47.83	70.49	0.00	
Process wastewater	34.74	5.40	40.95	488.49	
Fresh water	0.00	0.00	0.00	2,921.43	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	235.58	53.23	111.44	3,409.92	
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	196.91	44.25	258.86	1,052.02	
Nutrient balance	38.68	8.98	-147.41	2,357.90	
Applied to removed ratio	1.20	1.20	0.43	3.24	
					Process wastewater applied
					1,702,888.00 gallons
					62.71 acre-inches
					0.44 inches/acre
					Total harvests for the crop
					1 harvests

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

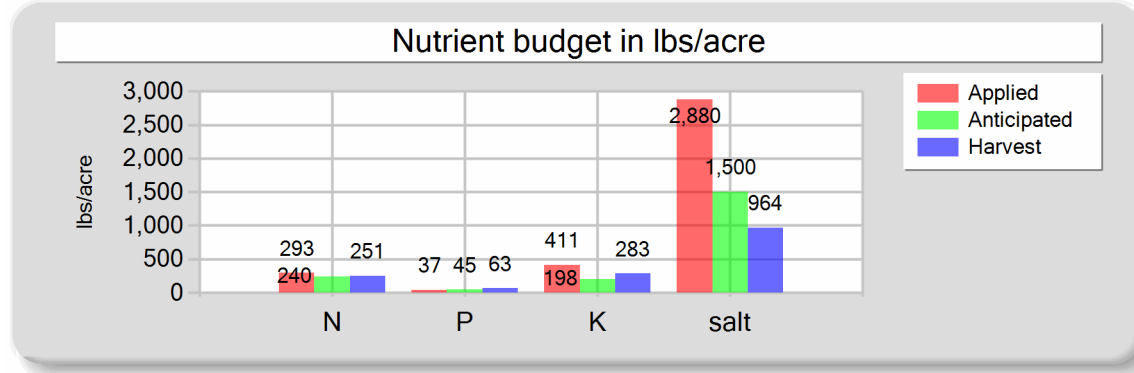
Reporting period 01/01/2023 to 12/31/2023.

10N - 05/25/2023: Corn, silage

Field name: 10N

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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	282.72	36.90	411.09	2,332.33
Fresh water	3.20	0.00	0.00	547.53
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	292.92	36.90	411.09	2,879.86
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	251.27	62.82	282.67	964.42
Nutrient balance	41.66	-25.92	128.42	1,915.44
Applied to removed ratio	1.17	0.59	1.45	2.99

Fresh water applied
157,467,341.00 gallons
5,798.99 acre-inches
40.27 inches/acre

Process wastewater applied
9,731,304.00 gallons
358.37 acre-inches
2.49 inches/acre

Total harvests for the crop
1 harvests

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

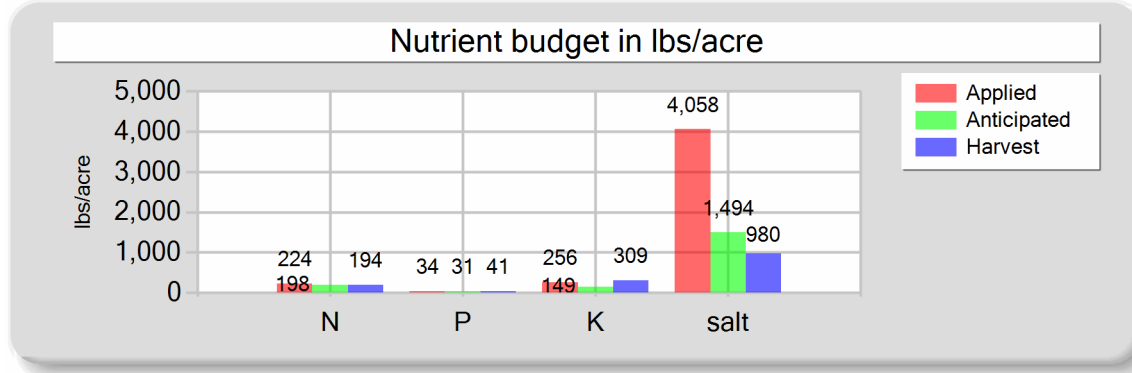
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: 10S

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	216.97	33.72	255.81	3,051.18
Fresh water	0.00	0.00	0.00	1,006.46
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	223.97	33.72	255.81	4,057.65
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	194.17	40.50	308.52	980.36
Nutrient balance	29.81	-6.78	-52.72	3,077.28
Applied to removed ratio	1.15	0.83	0.83	4.14

Fresh water applied
51,803,863.00 <i>gallons</i>
1,907.76 <i>acre-inches</i>
13.16 <i>inches/acre</i>

Process wastewater applied
10,710,378.00 <i>gallons</i>
394.43 <i>acre-inches</i>
2.72 <i>inches/acre</i>

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

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

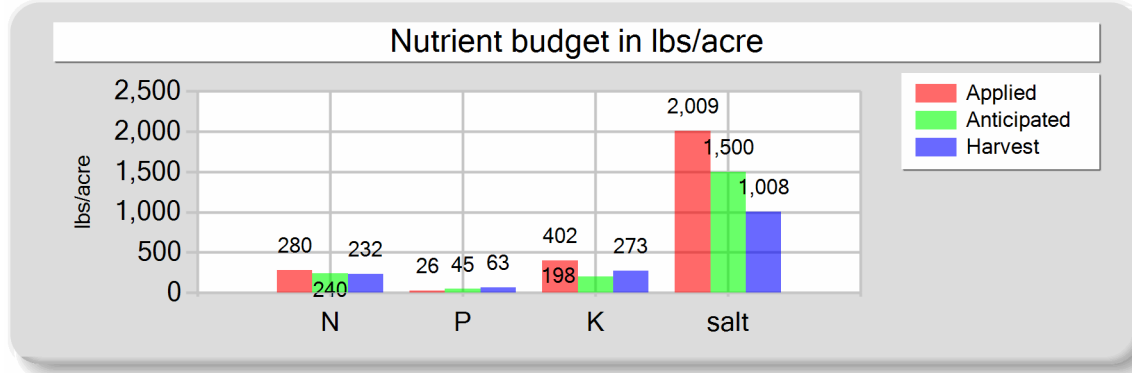
Reporting period 01/01/2023 to 12/31/2023.

10S - 05/25/2023: Corn, silage

Field name: 10S

Crop: Corn, silage

Plant date: 05/25/2023



	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	159,120,839.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	5,859.88 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	40.41 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	273.44	25.54	402.28	1,459.90	Process wastewater applied
Fresh water	0.00	0.00	0.00	549.46	8,052,943.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	296.56 <i>acre-inches</i>
Total nutrients applied	280.44	25.54	402.28	2,009.36	2.05 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	232.34	63.37	272.66	1,008.08	Total harvests for the crop
Nutrient balance	48.10	-37.83	129.62	1,001.28	1 <i>harvests</i>
Applied to removed ratio	1.21	0.40	1.48	1.99	

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

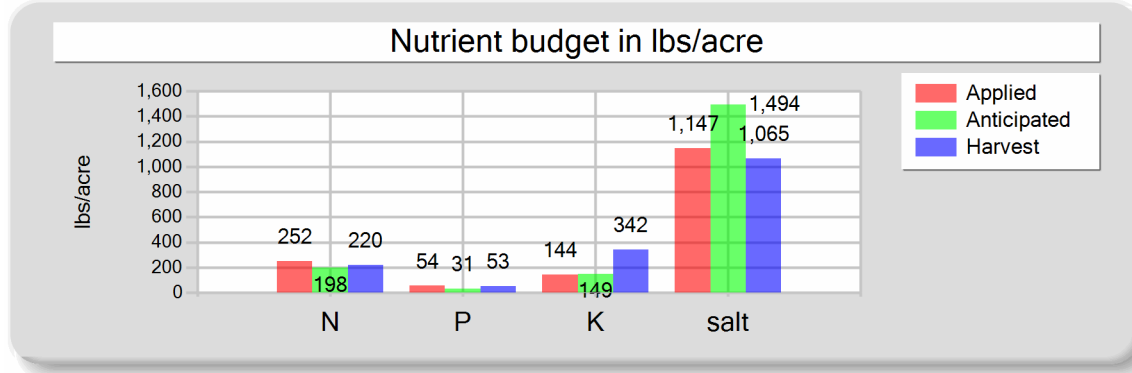
Reporting period 01/01/2023 to 12/31/2023.

11b1 - 11/11/2022: Wheat, silage, soft dough

Field name: 11b1

Crop: Wheat, silage, soft dough

Plant date: 11/11/2022



	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	66,094,299.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	2,434.03 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.75 <i>inches/acre</i>
Dry manure	178.08	43.94	64.76	0.00	
Process wastewater	67.32	10.46	79.37	946.66	
Fresh water	0.00	0.00	0.00	200.57	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	252.40	54.40	144.12	1,147.22	
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	219.90	52.87	342.46	1,064.64	
Nutrient balance	32.50	1.53	-198.34	82.58	
Applied to removed ratio	1.15	1.03	0.42	1.08	
					Process wastewater applied
					3,781,337.00 <i>gallons</i>
					139.25 <i>acre-inches</i>
					0.84 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

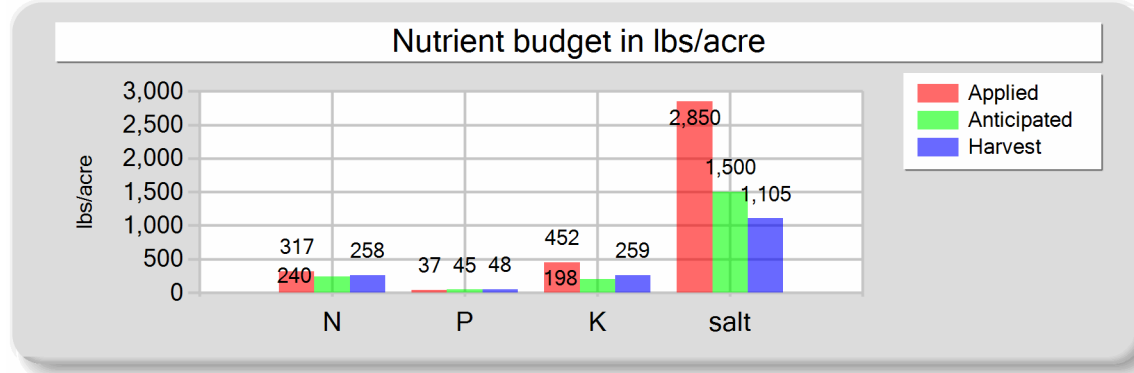
Reporting period 01/01/2023 to 12/31/2023.

11b1 - 05/30/2023: Corn, silage

Field name: 11b1

Crop: Corn, silage

Plant date: 05/30/2023



	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	185,576,358.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	6,834.15 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	41.42 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	309.91	37.01	452.22	2,287.15	Process wastewater applied
Fresh water	0.00	0.00	0.00	563.14	11,674,104.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	429.92 <i>acre-inches</i>
Total nutrients applied	316.91	37.01	452.22	2,850.29	2.61 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	257.64	47.97	259.41	1,105.17	Total harvests for the crop
Nutrient balance	59.28	-10.96	192.81	1,745.12	1 <i>harvests</i>
Applied to removed ratio	1.23	0.77	1.74	2.58	

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

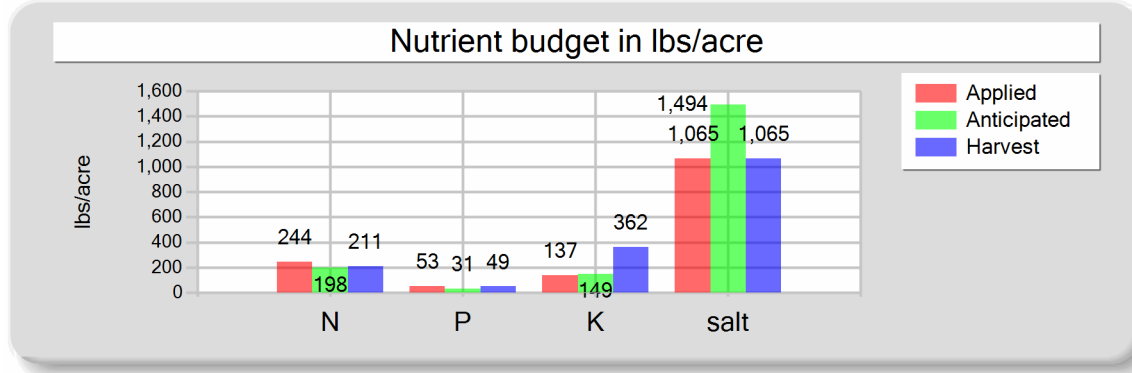
Reporting period 01/01/2023 to 12/31/2023.

12b3 - 11/11/2022: Wheat, silage, soft dough

Field name: 12b3

Crop: Wheat, silage, soft dough

Plant date: 11/11/2022



	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	174.90	43.16	63.60	0.00
Process wastewater	62.29	9.68	73.44	875.96
Fresh water	0.00	0.00	0.00	188.79
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	244.19	52.84	137.04	1,064.76
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	211.40	49.33	361.72	1,065.20
Nutrient balance	32.79	3.51	-224.68	-0.44
Applied to removed ratio	1.16	1.07	0.38	1.00

Fresh water applied
79,181,907.00 gallons
2,916.00 acre-inches
13.89 inches/acre

Process wastewater applied
4,453,221.00 gallons
164.00 acre-inches
0.78 inches/acre

Total harvests for the crop
1 harvests

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

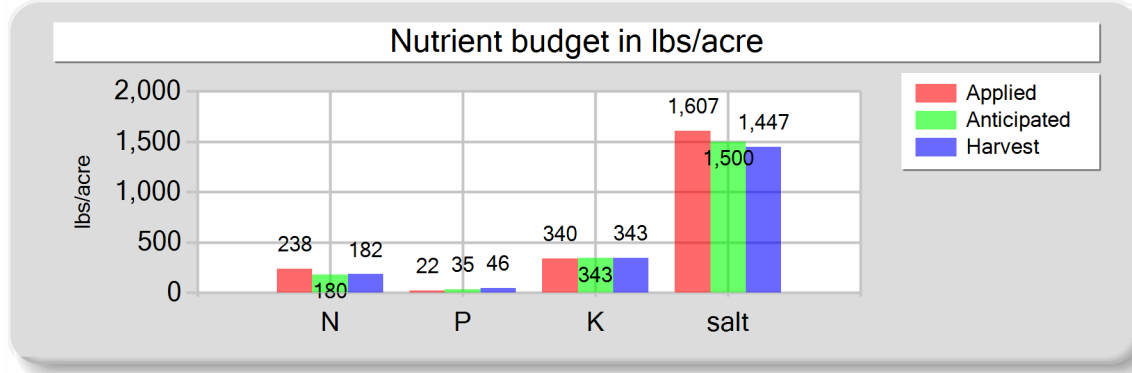
Reporting period 01/01/2023 to 12/31/2023.

12b3 - 06/15/2023: Sorghum-Sudangrass, forage

Field name: 12b3

Crop: Sorghum-Sudangrass, forage

Plant date: 06/15/2023



	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	231.17	21.59	340.09	1,234.19
Fresh water	0.00	0.00	0.00	373.13
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	238.17	21.59	340.09	1,607.33
Anticipated crop nutrient removal	180.00	35.00	342.50	1,500.00
Actual crop nutrient removal	182.03	45.51	343.05	1,446.89
Nutrient balance	56.14	-23.92	-2.97	160.43
Applied to removed ratio	1.31	0.47	0.99	1.11

Fresh water applied
156,497,434.00 gallons
5,763.27 acre-inches
27.44 inches/acre

Process wastewater applied
9,859,728.00 gallons
363.10 acre-inches
1.73 inches/acre

Total harvests for the crop
1 harvests

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

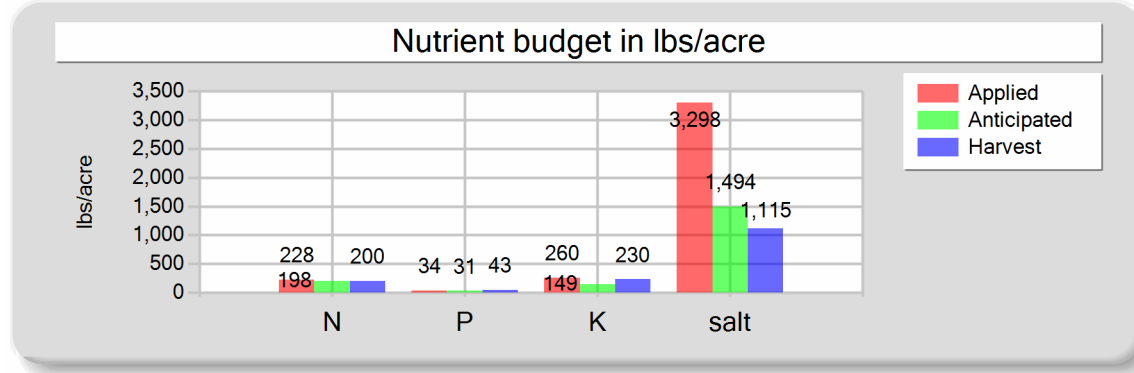
Reporting period 01/01/2023 to 12/31/2023.

2b1 - 11/12/2022: Wheat, silage, soft dough

Field name: 2b1

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	220.95	34.34	260.50	3,107.16
Fresh water	0.00	0.00	0.00	190.79
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	227.95	34.34	260.50	3,297.95
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	199.77	43.05	229.57	1,114.76
Nutrient balance	28.18	-8.71	30.93	2,183.19
Applied to removed ratio	1.14	0.80	1.13	2.96

Fresh water applied
10,669,209.00 <i>gallons</i>
392.91 <i>acre-inches</i>
14.03 <i>inches/acre</i>

Process wastewater applied
2,106,155.00 <i>gallons</i>
77.56 <i>acre-inches</i>
2.77 <i>inches/acre</i>

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

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

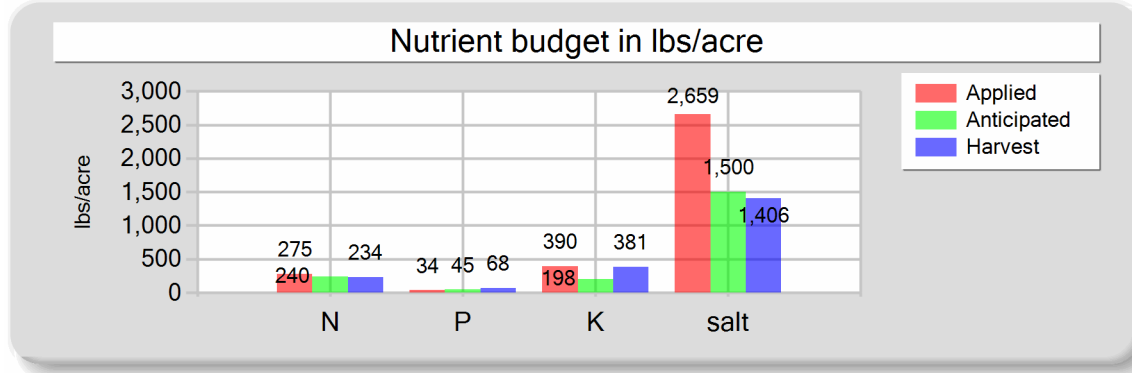
Reporting period 01/01/2023 to 12/31/2023.

2b1 - 05/30/2023: Corn, silage

Field name: 2b1

Crop: Corn, silage

Plant date: 05/30/2023



	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	28,764,233.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,059.29 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.83 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	268.08	34.13	390.19	2,144.39	Process wastewater applied
Fresh water	0.00	0.00	0.00	514.37	1,770,991.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	65.22 <i>acre-inches</i>
Total nutrients applied	275.08	34.13	390.19	2,658.76	2.33 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	233.58	67.61	381.10	1,405.56	Total harvests for the crop
Nutrient balance	41.50	-33.48	9.10	1,253.21	1 <i>harvests</i>
Applied to removed ratio	1.18	0.50	1.02	1.89	

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

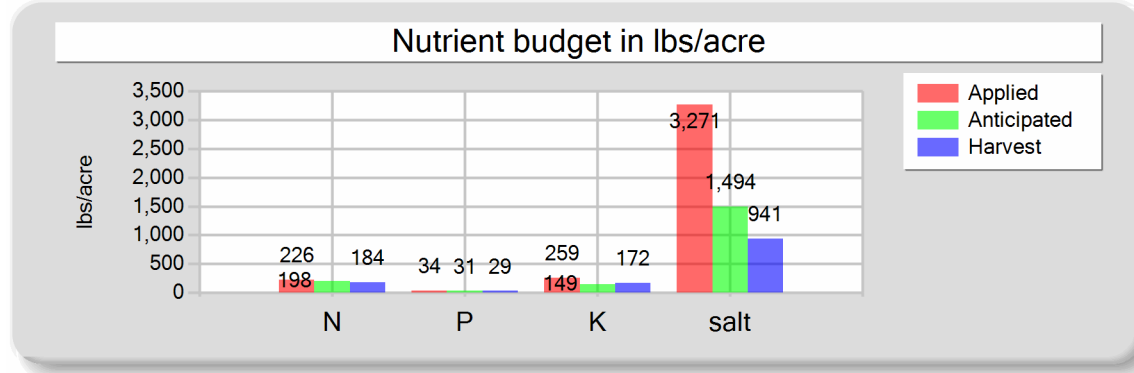
Reporting period 01/01/2023 to 12/31/2023.

2b2 - 11/12/2022: Wheat, silage, soft dough

Field name: 2b2

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	219.43	34.10	258.70	3,085.72
Fresh water	0.00	0.00	0.00	185.27
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	226.43	34.10	258.70	3,270.99
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	183.52	29.15	171.65	941.36
Nutrient balance	42.91	4.95	87.05	2,329.63
Applied to removed ratio	1.23	1.17	1.51	3.47

Fresh water applied
16,651,324.00 <i>gallons</i>
613.21 <i>acre-inches</i>
13.63 <i>inches/acre</i>

Process wastewater applied
3,361,530.00 <i>gallons</i>
123.79 <i>acre-inches</i>
2.75 <i>inches/acre</i>

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

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

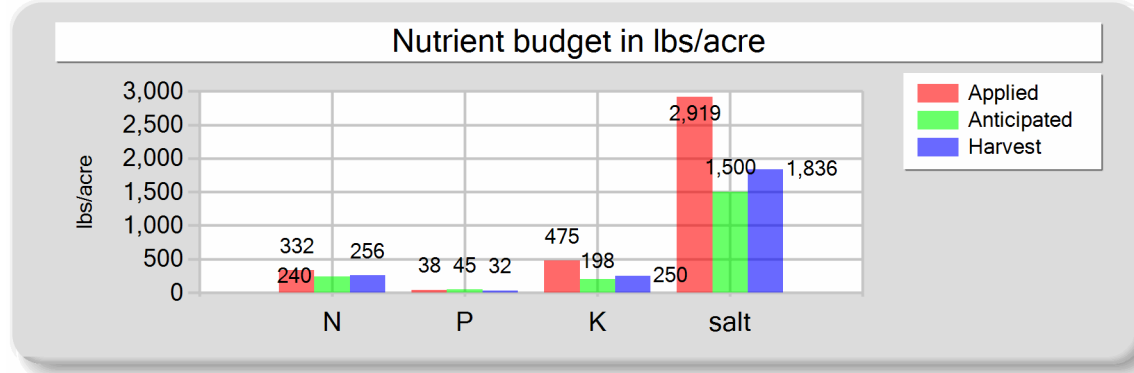
Reporting period 01/01/2023 to 12/31/2023.

2b2 - 05/30/2023: Corn, silage

Field name: 2b2

Crop: Corn, silage

Plant date: 05/30/2023



	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	50,656,339.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,865.50 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	41.46 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	325.17	38.27	474.73	2,355.68	Process wastewater applied
Fresh water	0.00	0.00	0.00	563.64	3,316,084.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	122.12 <i>acre-inches</i>
Total nutrients applied	332.17	38.27	474.73	2,919.32	2.71 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	255.55	32.39	250.16	1,835.67	Total harvests for the crop
Nutrient balance	76.61	5.88	224.58	1,083.64	1 <i>harvests</i>
Applied to removed ratio	1.30	1.18	1.90	1.59	

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

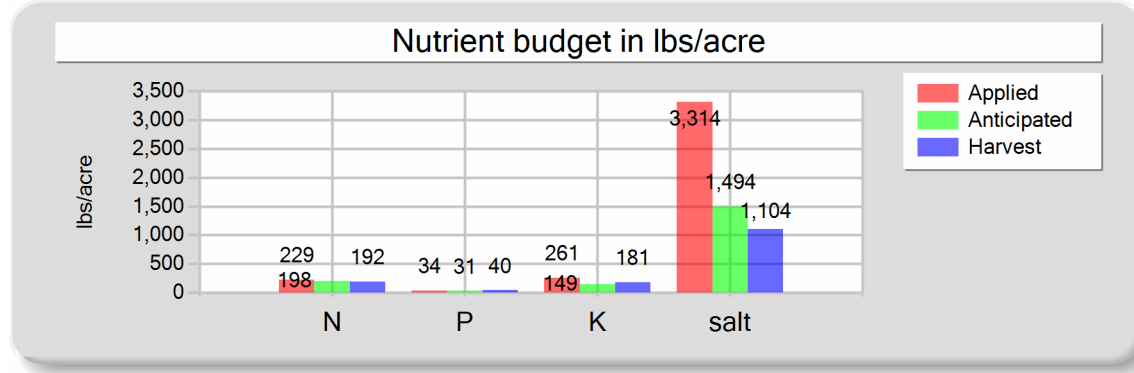
Reporting period 01/01/2023 to 12/31/2023.

2b3 - 11/11/2022: Wheat, silage, soft dough

Field name: 2b3

Crop: Wheat, silage, soft dough

Plant date: 11/11/2022



	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	221.55	34.43	261.20	3,115.53
Fresh water	0.00	0.00	0.00	198.11
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	228.55	34.43	261.20	3,313.64
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	191.61	40.05	180.78	1,104.17
Nutrient balance	36.94	-5.63	80.42	2,209.47
Applied to removed ratio	1.19	0.86	1.44	3.00

Fresh water applied
27,300,769.00 <i>gallons</i>
1,005.39 <i>acre-inches</i>
14.57 <i>inches/acre</i>

Process wastewater applied
5,204,148.00 <i>gallons</i>
191.65 <i>acre-inches</i>
2.78 <i>inches/acre</i>

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

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

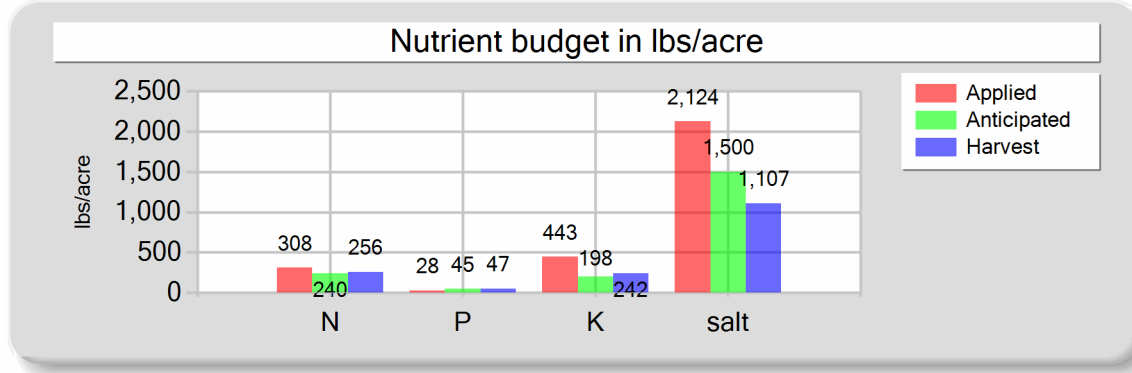
Reporting period 01/01/2023 to 12/31/2023.

2b3 - 06/01/2023: Corn, silage

Field name: 2b3

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	70,919,044.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	2,611.71 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.85 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	301.45	28.15	443.49	1,609.42	Process wastewater applied
Fresh water	0.00	0.00	0.00	514.63	4,224,569.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	155.58 <i>acre-inches</i>
Total nutrients applied	308.45	28.15	443.49	2,124.05	2.25 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	256.01	46.55	242.43	1,107.44	Total harvests for the crop
Nutrient balance	52.44	-18.40	201.05	1,016.61	1 <i>harvests</i>
Applied to removed ratio	1.20	0.60	1.83	1.92	

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

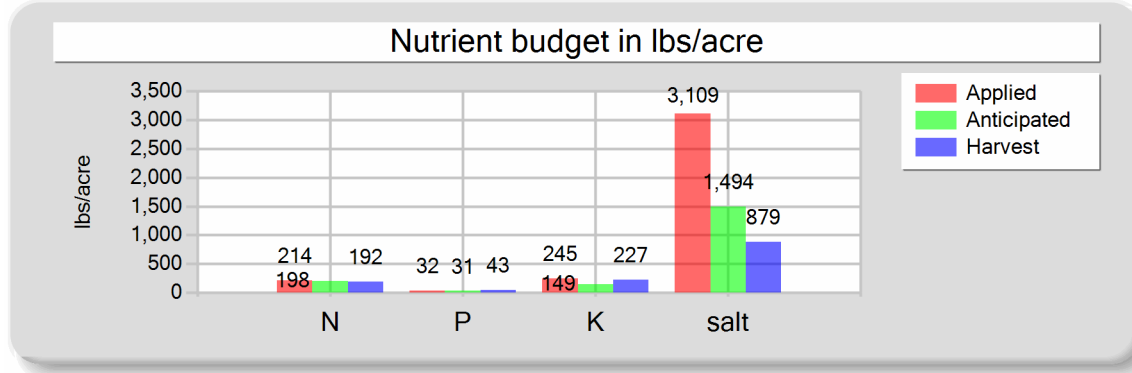
Reporting period 01/01/2023 to 12/31/2023.

2b4n - 11/12/2022: Wheat, silage, soft dough

Field name: 2b4n

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	207.48	32.24	244.62	2,917.74
Fresh water	0.00	0.00	0.00	191.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	214.48	32.24	244.62	3,109.24
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	191.77	43.30	226.83	879.47
Nutrient balance	22.71	-11.06	17.79	2,229.77
Applied to removed ratio	1.12	0.74	1.08	3.54

Fresh water applied
47,809,587.00 gallons
1,760.66 acre-inches
14.09 inches/acre

Process wastewater applied
8,829,265.00 gallons
325.15 acre-inches
2.60 inches/acre

Total harvests for the crop
1 harvests

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

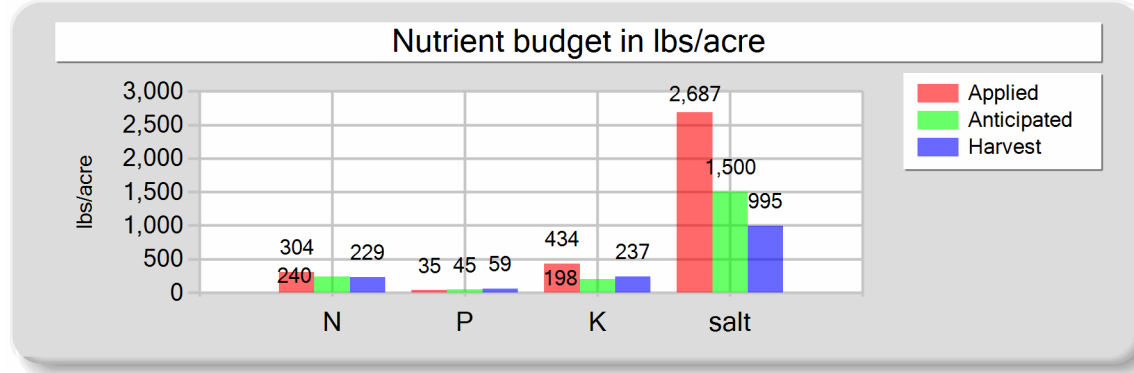
Reporting period 01/01/2023 to 12/31/2023.

2b4n - 06/01/2023: Corn, silage

Field name: 2b4n

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	138,505,756.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	5,100.70 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	40.81 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	297.50	34.72	434.48	2,132.00	Process wastewater applied
Fresh water	0.00	0.00	0.00	554.80	8,391,742.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	309.04 <i>acre-inches</i>
Total nutrients applied	304.50	34.72	434.48	2,686.79	2.47 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	228.96	58.76	237.07	994.87	Total harvests for the crop
Nutrient balance	75.54	-24.04	197.41	1,691.92	1 <i>harvests</i>
Applied to removed ratio	1.33	0.59	1.83	2.70	

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

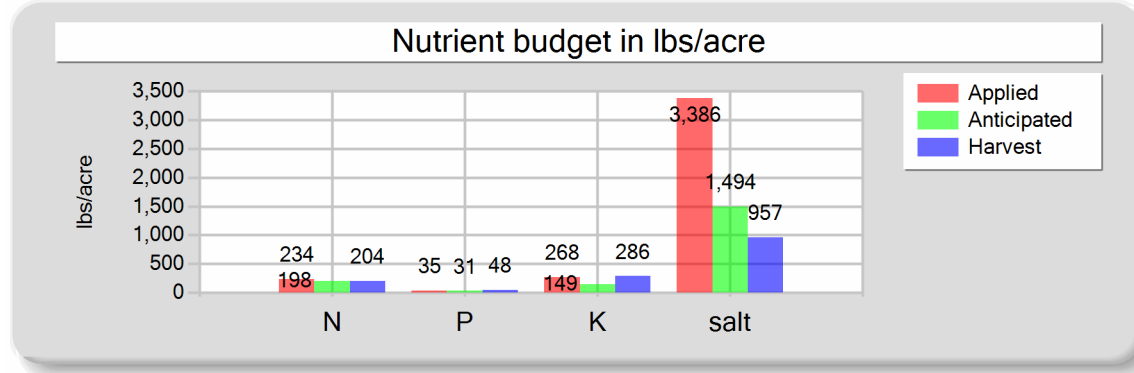
Reporting period 01/01/2023 to 12/31/2023.

2b4s - 11/12/2022: Wheat, silage, soft dough

Field name: 2b4s

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	227.41	35.34	268.11	3,197.99
Fresh water	0.00	0.00	0.00	187.91
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	234.41	35.34	268.11	3,385.90
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	203.83	47.59	285.57	957.06
Nutrient balance	30.58	-12.26	-17.45	2,428.83
Applied to removed ratio	1.15	0.74	0.94	3.54

Fresh water applied
46,910,662.00 <i>gallons</i>
1,727.56 <i>acre-inches</i>
13.82 <i>inches/acre</i>

Process wastewater applied
9,677,341.00 <i>gallons</i>
356.38 <i>acre-inches</i>
2.85 <i>inches/acre</i>

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

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

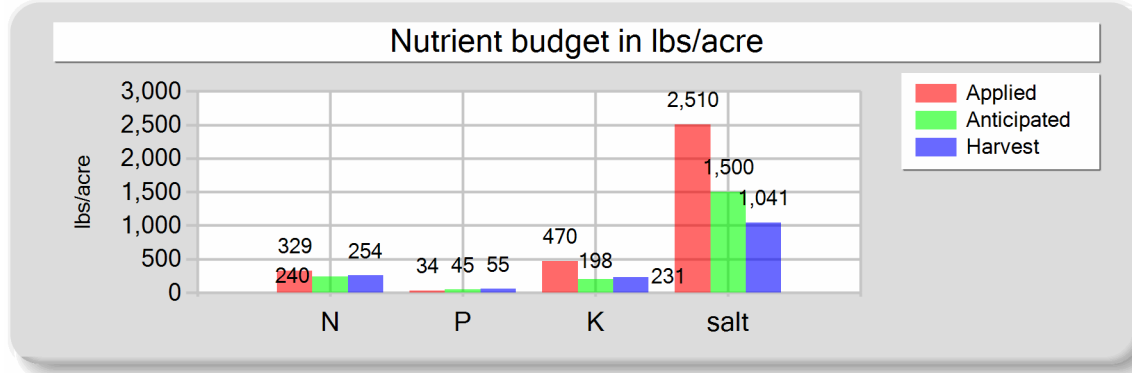
Reporting period 01/01/2023 to 12/31/2023.

2b4s - 06/01/2023: Corn, silage

Field name: 2b4s

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	127,995,024.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	4,713.62 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.71 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	321.97	33.59	470.20	1,997.35	Process wastewater applied
Fresh water	0.00	0.00	0.00	512.70	8,582,680.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	316.07 <i>acre-inches</i>
Total nutrients applied	328.97	33.59	470.20	2,510.05	2.53 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	254.45	54.80	230.96	1,041.27	Total harvests for the crop
Nutrient balance	74.52	-21.22	239.24	1,468.78	1 <i>harvests</i>
Applied to removed ratio	1.29	0.61	2.04	2.41	

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

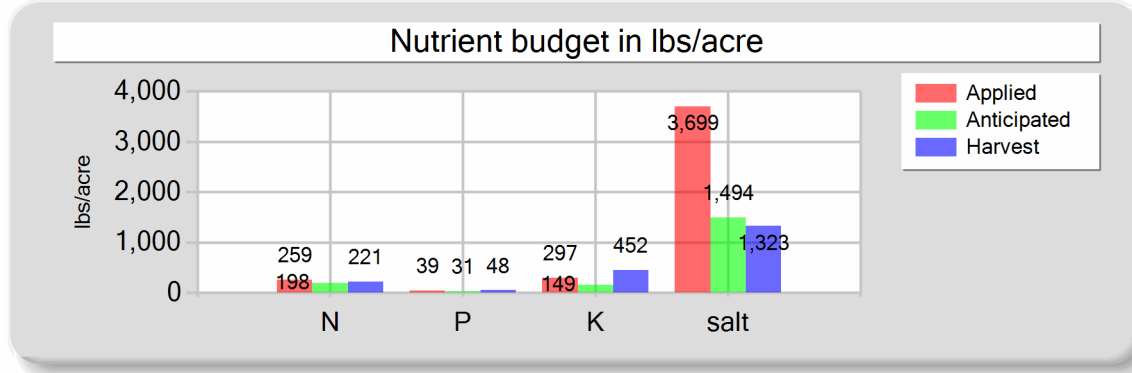
Reporting period 01/01/2023 to 12/31/2023.

3a1 - 11/12/2022: Wheat, silage, soft dough

Field name: 3a1

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	252.15	39.18	297.28	3,545.81
Fresh water	0.00	0.00	0.00	153.56
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	259.15	39.18	297.28	3,699.38
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	221.18	47.97	451.69	1,323.11
Nutrient balance	37.96	-8.78	-154.42	2,376.27
Applied to removed ratio	1.17	0.82	0.66	2.80

Fresh water applied
9,200,879.00 <i>gallons</i>
338.84 <i>acre-inches</i>
11.29 <i>inches/acre</i>

Process wastewater applied
2,575,168.00 <i>gallons</i>
94.83 <i>acre-inches</i>
3.16 <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.

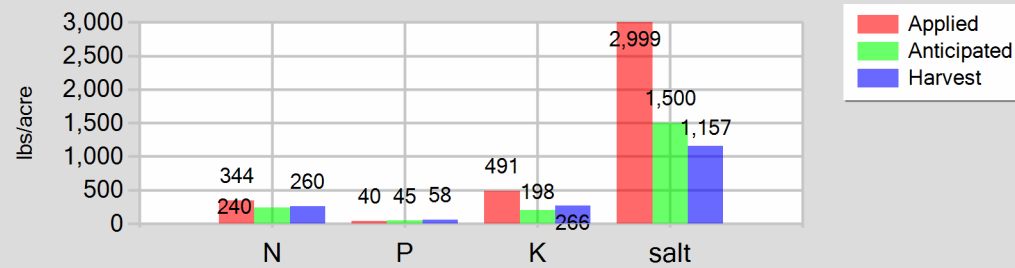
3a1 - 06/01/2023: Corn, silage

Field name: 3a1

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	336.66	39.67	491.49	2,442.89
Fresh water	0.00	0.00	0.00	555.90
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	343.66	39.67	491.49	2,998.79
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	259.96	58.44	266.01	1,156.72
Nutrient balance	83.69	-18.77	225.48	1,842.06
Applied to removed ratio	1.32	0.68	1.85	2.59

Fresh water applied
33,307,373.00 gallons
1,226.60 acre-inches
40.89 inches/acre
Process wastewater applied
2,290,311.00 gallons
84.34 acre-inches
2.81 inches/acre
Total harvests for the crop
1 harvests

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

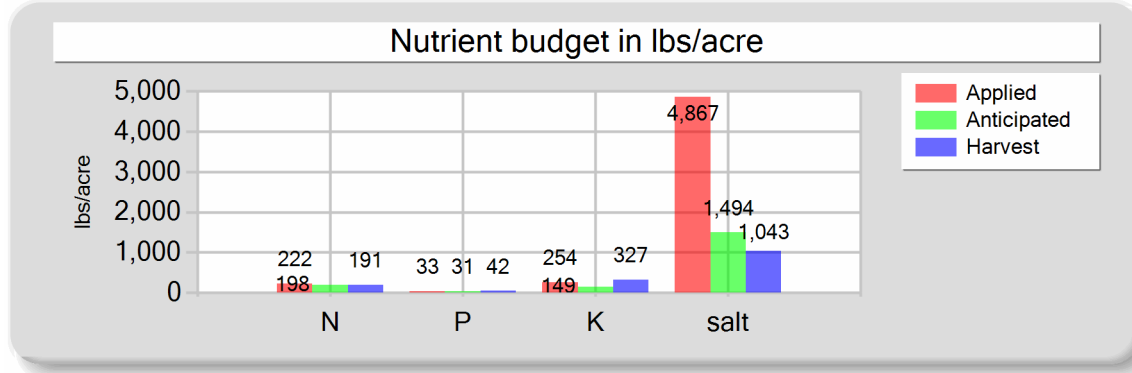
Reporting period 01/01/2023 to 12/31/2023.

3a2 - 11/12/2022: Wheat, silage, soft dough

Field name: 3a2

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	215.16	33.43	253.66	3,025.63
Fresh water	0.00	0.00	0.00	1,841.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	222.16	33.43	253.66	4,867.05
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	191.27	42.04	326.84	1,042.51
Nutrient balance	30.89	-8.60	-73.17	3,824.53
Applied to removed ratio	1.16	0.80	0.78	4.67

Fresh water applied
10,893,850.00 <i>gallons</i>
401.18 <i>acre-inches</i>
13.37 <i>inches/acre</i>

Process wastewater applied
2,197,380.00 <i>gallons</i>
80.92 <i>acre-inches</i>
2.70 <i>inches/acre</i>

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

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

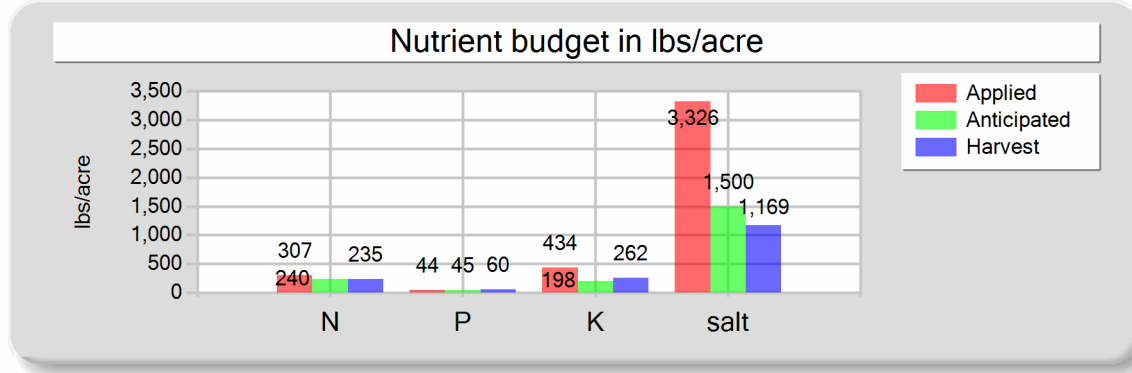
Reporting period 01/01/2023 to 12/31/2023.

3a2 - 06/01/2023: Corn, silage

Field name: 3a2

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	299.95	43.67	434.06	2,828.73
Fresh water	0.00	0.00	0.00	496.83
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	306.95	43.67	434.06	3,325.56
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	235.37	59.88	262.22	1,168.61
Nutrient balance	71.57	-16.21	171.84	2,156.95
Applied to removed ratio	1.30	0.73	1.66	2.85

Fresh water applied
29,768,388.00 <i>gallons</i>
1,096.27 <i>acre-inches</i>
36.54 <i>inches/acre</i>

Process wastewater applied
2,282,072.00 <i>gallons</i>
84.04 <i>acre-inches</i>
2.80 <i>inches/acre</i>

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

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

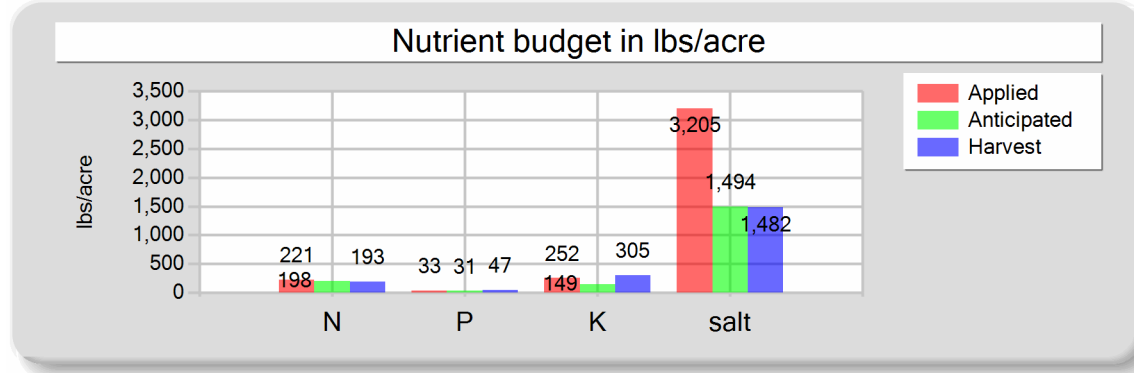
Reporting period 01/01/2023 to 12/31/2023.

3b1 - 11/12/2022: Wheat, silage, soft dough

Field name: 3b1

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022



	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	213.75	33.22	252.01	3,005.90
Fresh water	0.00	0.00	0.00	198.62
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	220.75	33.22	252.01	3,204.53
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	192.57	46.68	304.61	1,482.22
Nutrient balance	28.18	-13.47	-52.60	1,722.31
Applied to removed ratio	1.15	0.71	0.83	2.16

Fresh water applied
26,578,030.00 gallons
978.78 acre-inches
14.61 inches/acre

Process wastewater applied
4,875,491.00 gallons
179.55 acre-inches
2.68 inches/acre

Total harvests for the crop
1 harvests

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

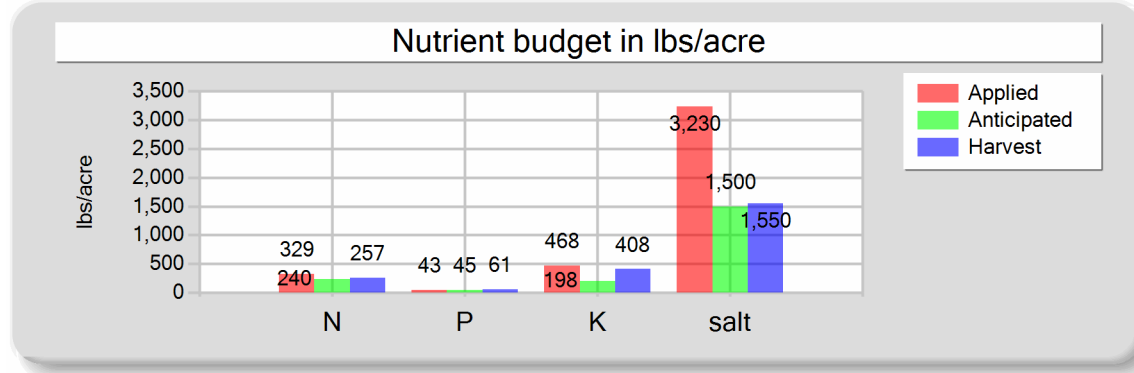
Reporting period 01/01/2023 to 12/31/2023.

3b1 - 06/02/2023: Corn, silage

Field name: 3b1

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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	322.28	42.77	468.29	2,714.34
Fresh water	0.00	0.00	0.00	515.91
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	329.28	42.77	468.29	3,230.25
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	257.10	60.84	408.22	1,550.46
Nutrient balance	72.18	-18.07	60.06	1,679.78
Applied to removed ratio	1.28	0.70	1.15	2.08

Fresh water applied
69,035,565.00 <i>gallons</i>
2,542.35 <i>acre-inches</i>
37.95 <i>inches/acre</i>

Process wastewater applied
5,207,336.00 <i>gallons</i>
191.77 <i>acre-inches</i>
2.86 <i>inches/acre</i>

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

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

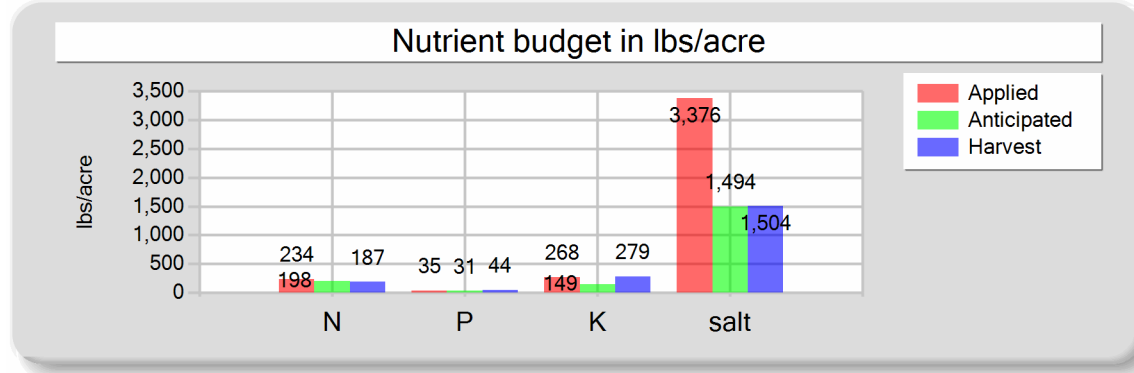
Reporting period 01/01/2023 to 12/31/2023.

3b2 - 11/13/2022: Wheat, silage, soft dough

Field name: 3b2

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022



	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	227.32	35.32	268.00	3,196.63
Fresh water	0.00	0.00	0.00	179.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	234.32	35.32	268.00	3,376.14
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	186.87	44.44	279.16	1,504.04
Nutrient balance	47.45	-9.11	-11.16	1,872.11
Applied to removed ratio	1.25	0.79	0.96	2.24

Fresh water applied
16,133,651.00 <i>gallons</i>
594.15 <i>acre-inches</i>
13.20 <i>inches/acre</i>

Process wastewater applied
3,482,356.00 <i>gallons</i>
128.24 <i>acre-inches</i>
2.85 <i>inches/acre</i>

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

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

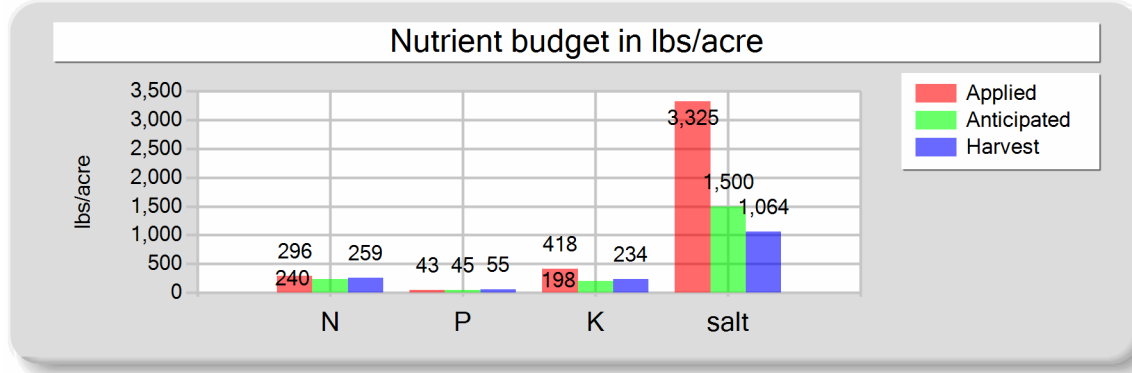
Reporting period 01/01/2023 to 12/31/2023.

3b2 - 06/02/2023: Corn, silage

Field name: 3b2

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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	289.11	42.88	418.02	2,788.45
Fresh water	0.00	0.00	0.00	536.36
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	296.11	42.88	418.02	3,324.81
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	259.06	55.21	233.58	1,063.86
Nutrient balance	37.05	-12.33	184.44	2,260.95
Applied to removed ratio	1.14	0.78	1.79	3.13

Fresh water applied
48,204,766.00 <i>gallons</i>
1,775.22 <i>acre-inches</i>
39.45 <i>inches/acre</i>

Process wastewater applied
3,333,865.00 <i>gallons</i>
122.77 <i>acre-inches</i>
2.73 <i>inches/acre</i>

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

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

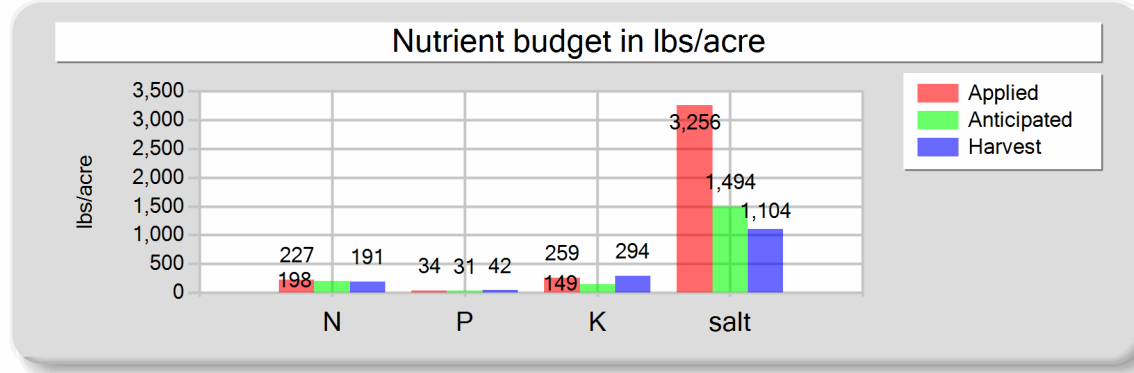
Reporting period 01/01/2023 to 12/31/2023.

3b3 - 11/13/2022: Wheat, silage, soft dough

Field name: 3b3

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	15,343,255.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	565.04 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.02 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	219.90	34.17	259.25	3,092.31	Process wastewater applied
Fresh water	0.00	0.00	0.00	163.45	3,518,439.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	129.57 <i>acre-inches</i>
Total nutrients applied	226.90	34.17	259.25	3,255.77	2.76 <i>inches/acre</i>
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	190.99	41.78	294.44	1,104.15	Total harvests for the crop
Nutrient balance	35.91	-7.61	-35.18	2,151.62	1 <i>harvests</i>
Applied to removed ratio	1.19	0.82	0.88	2.95	

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

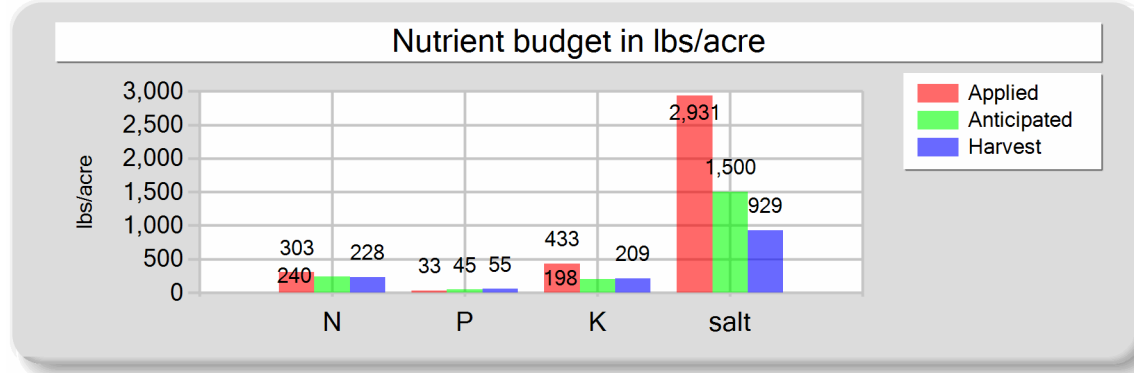
Reporting period 01/01/2023 to 12/31/2023.

3b3 - 06/03/2023: Corn, silage

Field name: 3b3

Crop: Corn, silage

Plant date: 06/03/2023



	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	296.01	33.45	432.81	2,035.92
Fresh water	0.00	0.00	0.00	895.11
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	303.01	33.45	432.81	2,931.02
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	228.08	54.91	209.07	929.20
Nutrient balance	74.93	-21.45	223.74	2,001.82
Applied to removed ratio	1.33	0.61	2.07	3.15

Fresh water applied
50,490,017.00 <i>gallons</i>
1,859.38 <i>acre-inches</i>
39.56 <i>inches/acre</i>

Process wastewater applied
3,089,948.00 <i>gallons</i>
113.79 <i>acre-inches</i>
2.42 <i>inches/acre</i>

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

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

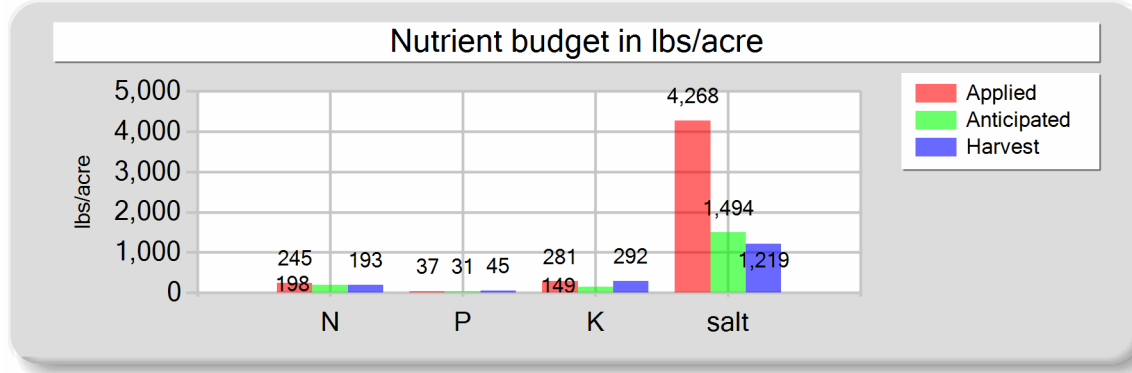
Reporting period 01/01/2023 to 12/31/2023.

3c - 11/13/2022: Wheat, silage, soft dough

Field name: 3c

Crop: Wheat, silage, soft dough

Plant date: 11/13/2022



	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	238.44	37.05	281.11	3,353.02
Fresh water	0.00	0.00	0.00	915.42
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	245.44	37.05	281.11	4,268.44
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	192.96	45.11	291.94	1,219.13
Nutrient balance	52.48	-8.05	-10.83	3,049.31
Applied to removed ratio	1.27	0.82	0.96	3.50

Fresh water applied
22,488,562.00 <i>gallons</i>
828.18 <i>acre-inches</i>
12.55 <i>inches/acre</i>

Process wastewater applied
5,357,335.00 <i>gallons</i>
197.29 <i>acre-inches</i>
2.99 <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.

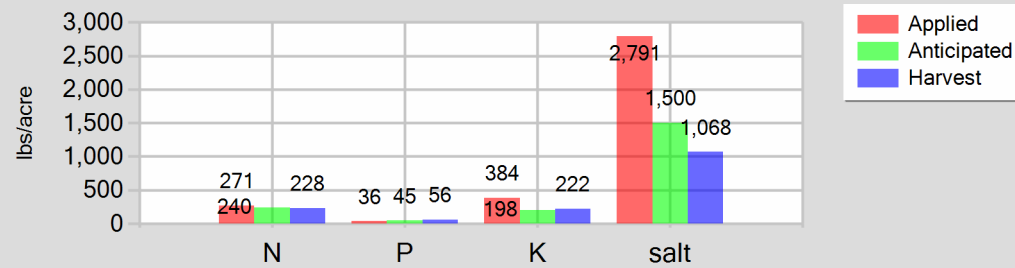
3c - 06/04/2023: Corn, silage

Field name: 3c

Crop: Corn, silage

Plant date: 06/04/2023

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	264.36	35.88	383.76	2,288.48
Fresh water	0.00	0.00	0.00	502.35
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	271.36	35.88	383.76	2,790.84
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	228.37	55.55	222.20	1,067.77
Nutrient balance	42.99	-19.67	161.57	1,723.06
Applied to removed ratio	1.19	0.65	1.73	2.61

Fresh water applied
66,217,729.00 gallons
2,438.57 acre-inches
36.95 inches/acre
Process wastewater applied
4,258,208.00 gallons
156.82 acre-inches
2.38 inches/acre
Total harvests for the crop
1 harvests

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

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

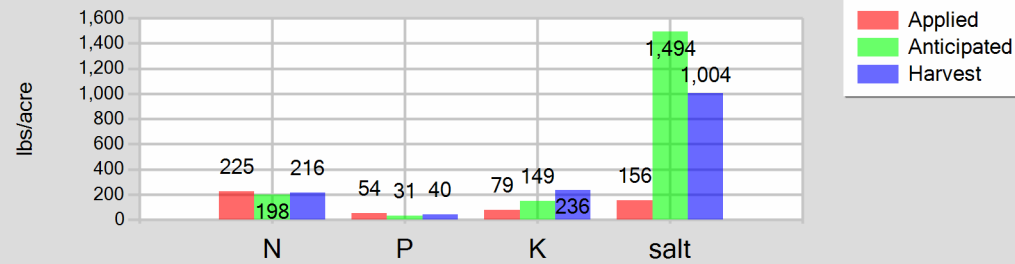
4E - 11/12/2022: Wheat, silage, soft dough

Field name: 4E

Crop: Wheat, silage, soft dough

Plant date: 11/12/2022

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	217.65	53.71	79.15	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	155.70
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	224.65	53.71	79.15	155.70
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	216.17	40.15	235.73	1,003.64
Nutrient balance	8.48	13.56	-156.58	-847.94
Applied to removed ratio	1.04	1.34	0.34	0.16

Fresh water applied
41,980,944.00 gallons
1,546.02 acre-inches
11.45 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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

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

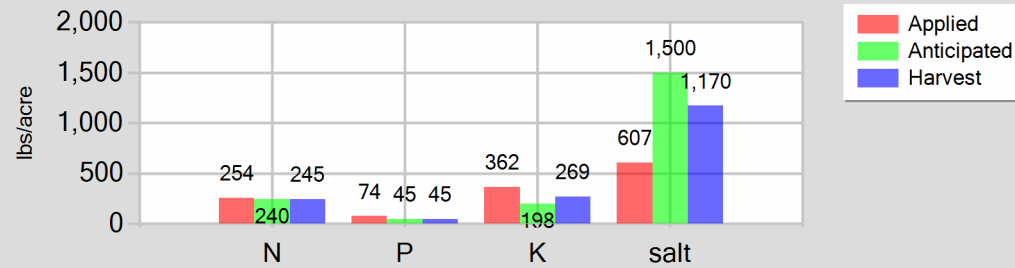
4E - 06/01/2023: Corn, silage

Field name: 4E

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	163,655,939.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	6,026.89 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	44.64 <i>inches/acre</i>
Dry manure	246.96	73.77	362.43	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	606.98	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	253.96	73.77	362.43	606.98	
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	244.95	45.36	268.54	1,170.33	
Nutrient balance	9.01	28.41	93.89	-563.35	
Applied to removed ratio	1.04	1.63	1.35	0.52	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

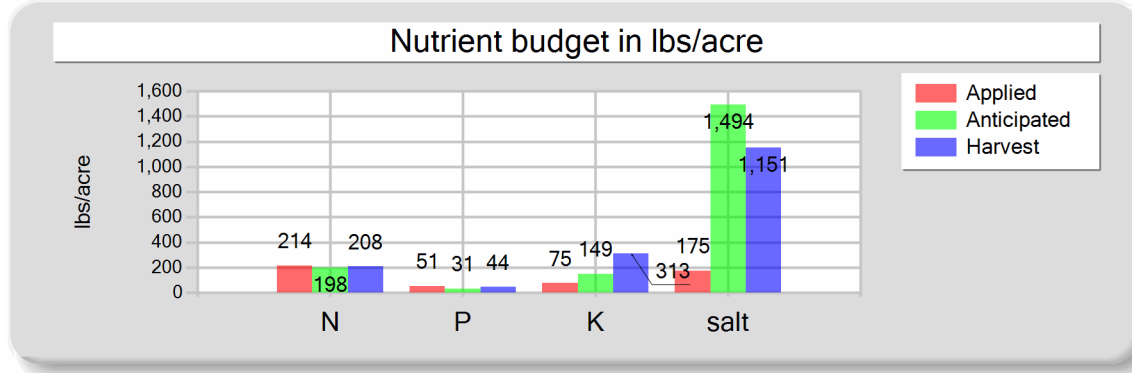
Reporting period 01/01/2023 to 12/31/2023.

4W - 11/14/2022: Wheat, silage, soft dough

Field name: 4W

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



	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	206.77	51.02	75.19	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	175.38
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	213.77	51.02	75.19	175.38
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	207.86	43.70	313.38	1,151.21
Nutrient balance	5.91	7.32	-238.20	-975.82
Applied to removed ratio	1.03	1.17	0.24	0.15

Fresh water applied
47,287,500.00 gallons
1,741.44 acre-inches
12.90 inches/acre

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

Total harvests for the crop
1 harvests

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

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

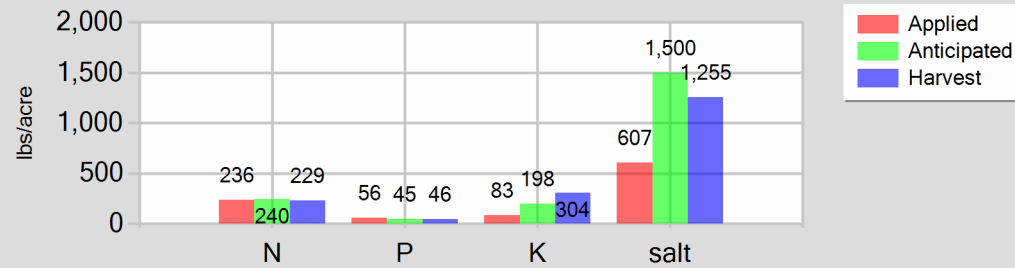
4W - 06/01/2023: Corn, silage

Field name: 4W

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	163,655,936.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	6,026.89 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	44.64 <i>inches/acre</i>
Dry manure	228.54	56.39	83.10	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	606.98	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	235.54	56.39	83.10	606.98	
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	229.40	46.24	304.09	1,255.48	
Nutrient balance	6.13	10.16	-220.99	-648.50	
Applied to removed ratio	1.03	1.22	0.27	0.48	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

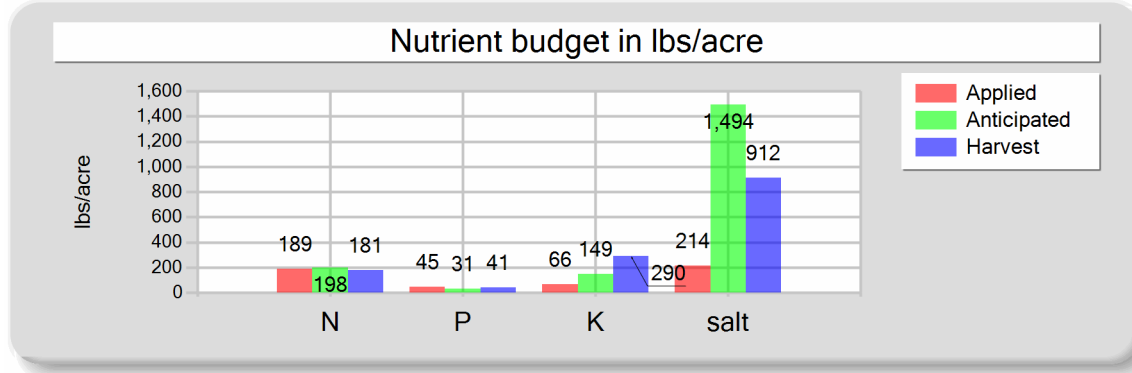
Reporting period 01/01/2023 to 12/31/2023.

9 - 11/14/2022: Wheat, silage, soft dough

Field name: 9

Crop: Wheat, silage, soft dough

Plant date: 11/14/2022



	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	120,750,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	4,446.81 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	15.77 <i>inches/acre</i>
Dry manure	182.34	44.99	66.31	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	214.40	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	189.34	44.99	66.31	214.40	
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	180.82	41.48	290.38	911.57	
Nutrient balance	8.52	3.51	-224.08	-697.17	
Applied to removed ratio	1.05	1.08	0.23	0.24	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

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

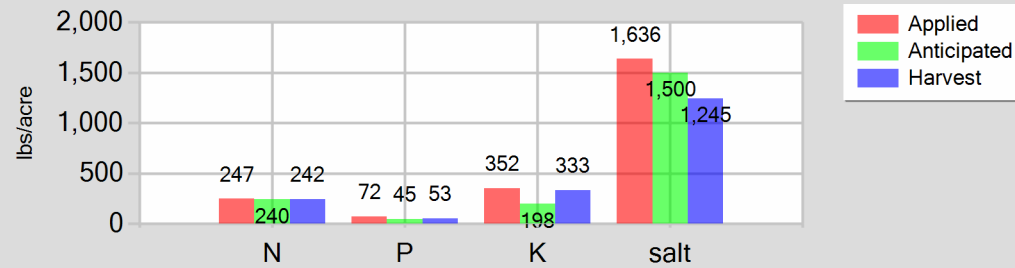
9 - 06/04/2023: Corn, silage

Field name: 9

Crop: Corn, silage

Plant date: 06/04/2023

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	239.93	71.67	352.11	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	1,635.94
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	246.93	71.67	352.11	1,635.94
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	241.88	53.04	333.12	1,245.47
Nutrient balance	5.05	18.62	18.99	390.47
Applied to removed ratio	1.02	1.35	1.06	1.31

Fresh water applied
309,647,670.00 gallons
11,403.27 acre-inches
40.44 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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

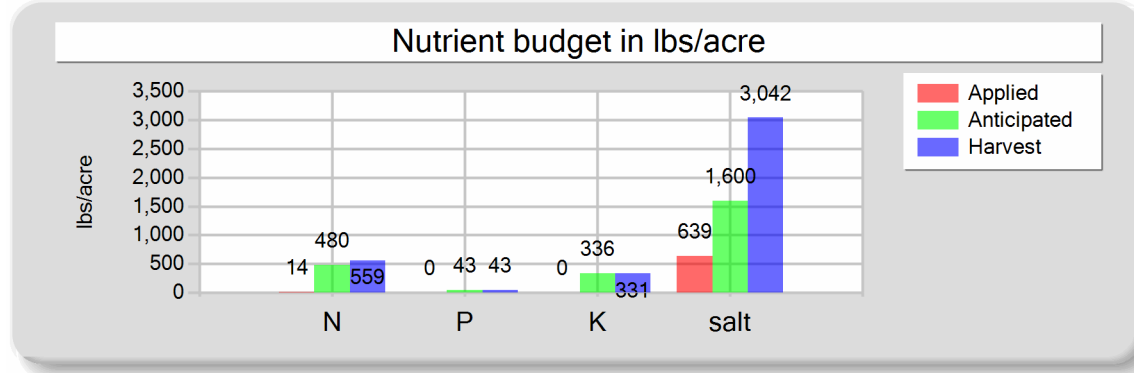
Reporting period 01/01/2023 to 12/31/2023.

b61 - 11/16/2018: Alfalfa, hay

Field name: b61

Crop: Alfalfa, hay

Plant date: 11/16/2018



	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	164,550,842.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	6,059.85 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	46.98 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	638.69	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	14.00	0.00	0.00	638.69	
Anticipated crop nutrient removal	480.00	43.20	336.00	1,600.00	
Actual crop nutrient removal	559.22	43.25	331.06	3,042.15	
Nutrient balance	-545.22	-43.25	-331.06	-2,403.46	
Applied to removed ratio	0.03	0.00	0.00	0.21	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

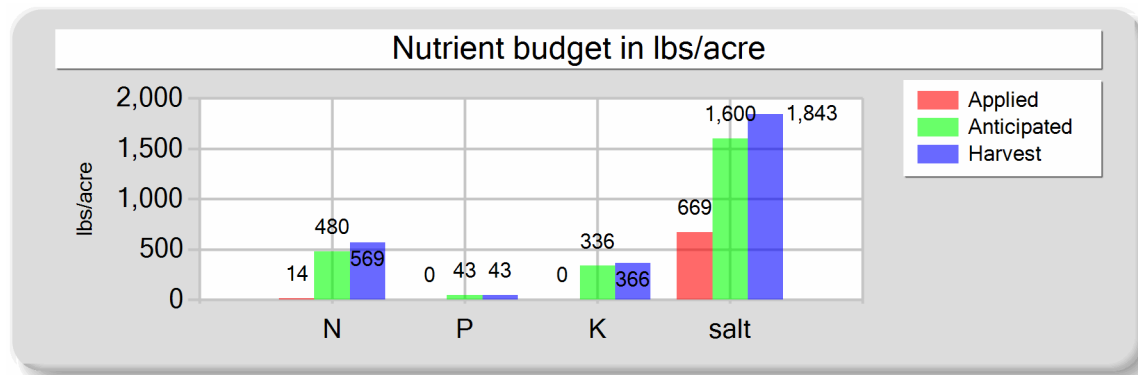
Reporting period 01/01/2023 to 12/31/2023.

b62 - 11/16/2018: Alfalfa, hay

Field name: b62

Crop: Alfalfa, hay

Plant date: 11/16/2018



	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	164,323,887.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	6,051.49 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	49.20 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	668.92	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	14.00	0.00	0.00	668.92	
Anticipated crop nutrient removal	480.00	43.20	336.00	1,600.00	
Actual crop nutrient removal	569.44	43.46	365.64	1,843.20	
Nutrient balance	-555.44	-43.46	-365.64	-1,174.28	
Applied to removed ratio	0.02	0.00	0.00	0.36	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

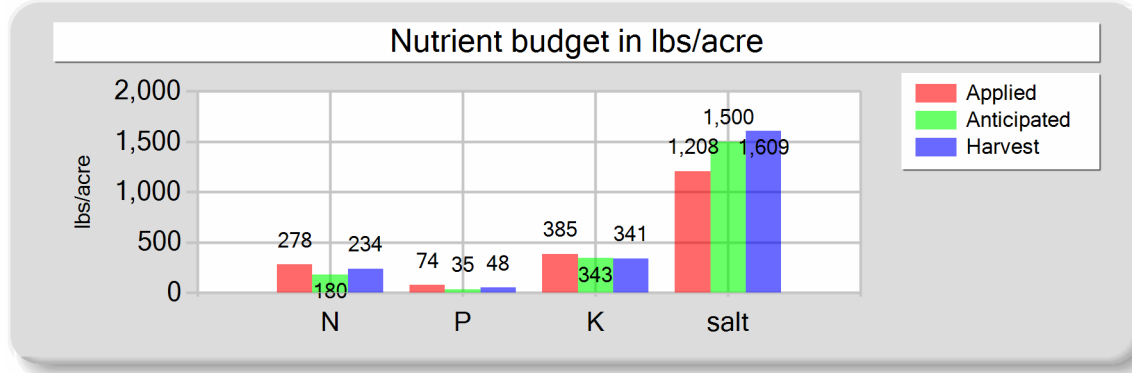
Reporting period 01/01/2023 to 12/31/2023.

b63 - 06/19/2023: Sorghum-Sudangrass, forage

Field name: b63

Crop: Sorghum-Sudangrass, forage

Plant date: 06/19/2023



	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	123,088,069.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	4,532.92 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	30.02 <i>inches/acre</i>
Dry manure	207.81	62.07	304.97	0.00	
Process wastewater	56.43	11.62	80.09	799.40	
Fresh water	0.00	0.00	0.00	408.15	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	278.24	73.70	385.05	1,207.55	
Anticipated crop nutrient removal	180.00	35.00	342.50	1,500.00	
Actual crop nutrient removal	234.45	48.27	341.33	1,608.94	
Nutrient balance	43.79	25.43	43.73	-401.39	
Applied to removed ratio	1.19	1.53	1.13	0.75	
					Process wastewater applied
					2,658,996.00 <i>gallons</i>
					97.92 <i>acre-inches</i>
					0.65 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

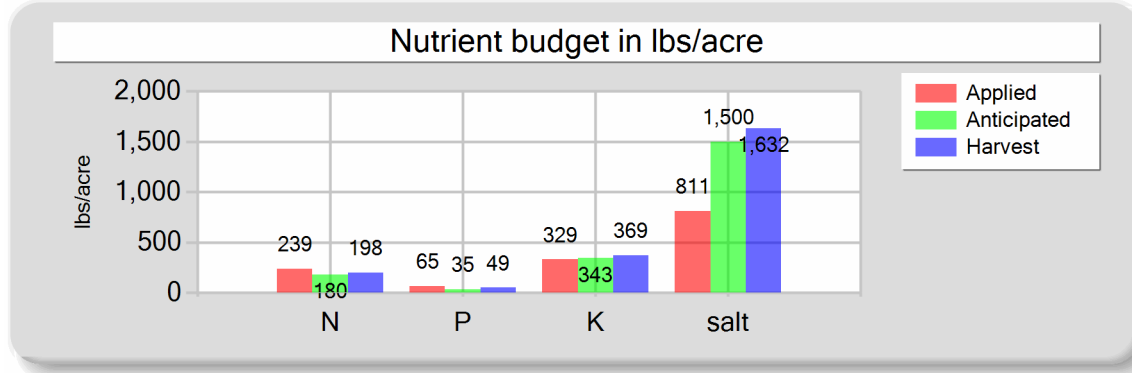
Reporting period 01/01/2023 to 12/31/2023.

b64 - 06/20/2023: Sorghum-Sudangrass, forage

Field name: b64

Crop: Sorghum-Sudangrass, forage

Plant date: 06/20/2023



	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	112,889,136.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	4,157.32 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	29.70 <i>inches/acre</i>
Dry manure	196.12	58.58	287.81	0.00	
Process wastewater	28.76	5.92	40.82	407.42	
Fresh water	0.00	0.00	0.00	403.74	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	238.88	64.51	328.63	811.16	
Anticipated crop nutrient removal	180.00	35.00	342.50	1,500.00	
Actual crop nutrient removal	198.46	49.32	368.74	1,632.34	
Nutrient balance	40.41	15.18	-40.12	-821.18	
Applied to removed ratio	1.20	1.31	0.89	0.50	
					Process wastewater applied
					1,256,448.00 <i>gallons</i>
					46.27 <i>acre-inches</i>
					0.33 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

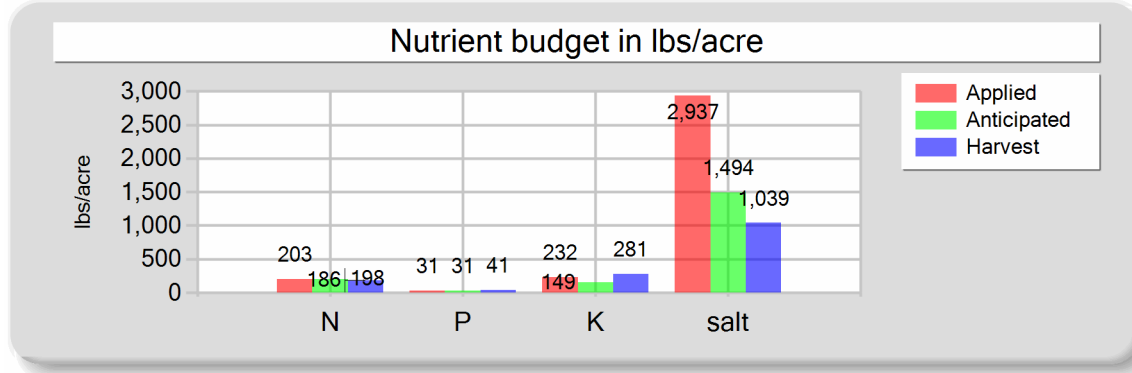
Reporting period 01/01/2023 to 12/31/2023.

b73 - 11/16/2022: Wheat, silage, soft dough

Field name: b73

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	196.47	30.53	231.63	2,762.79
Fresh water	0.00	0.00	0.00	174.44
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	203.47	30.53	231.63	2,937.23
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	186.37	40.77	281.50	1,038.63
Nutrient balance	17.09	-10.24	-49.87	1,898.59
Applied to removed ratio	1.09	0.75	0.82	2.83

Fresh water applied
60,270,610.00 <i>gallons</i>
2,219.56 <i>acre-inches</i>
12.83 <i>inches/acre</i>

Process wastewater applied
11,570,778.00 <i>gallons</i>
426.11 <i>acre-inches</i>
2.46 <i>inches/acre</i>

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

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

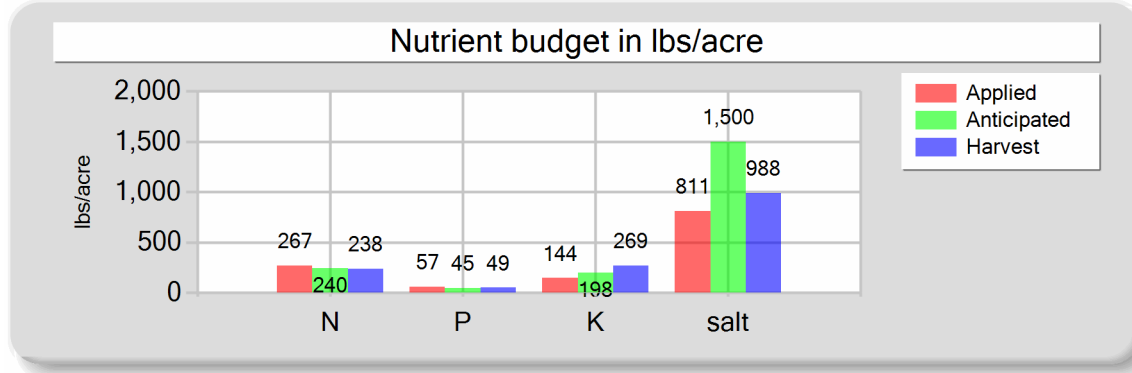
Reporting period 01/01/2023 to 12/31/2023.

b73 - 06/04/2023: Corn, silage

Field name: b73

Crop: Corn, silage

Plant date: 06/04/2023



	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	198,246,664.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	7,300.75 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	42.20 <i>inches/acre</i>
Dry manure	215.70	53.23	78.44	0.00	
Process wastewater	44.44	4.15	65.38	237.26	
Fresh water	0.00	0.00	0.00	573.77	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	267.14	57.38	143.81	811.03	
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	237.51	49.14	268.63	987.70	
Nutrient balance	29.64	8.24	-124.81	-176.67	
Applied to removed ratio	1.12	1.17	0.54	0.82	
					Process wastewater applied
					1,561,448.00 <i>gallons</i>
					57.50 <i>acre-inches</i>
					0.33 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

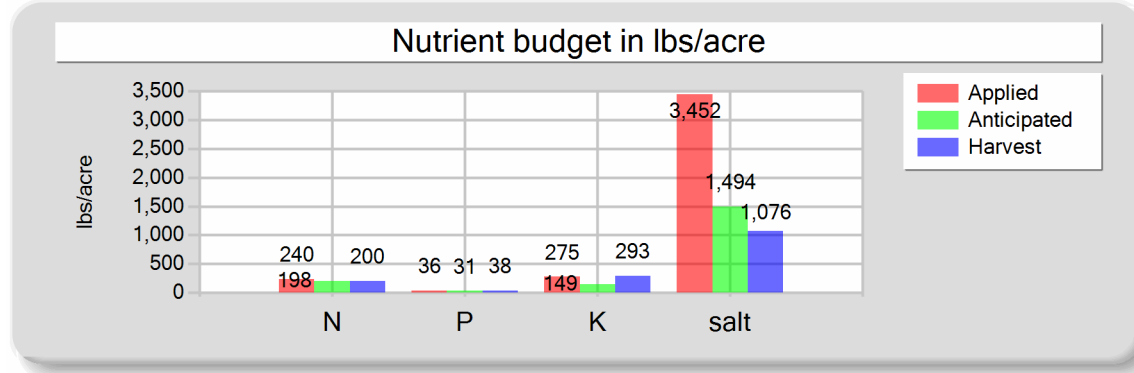
Reporting period 01/01/2023 to 12/31/2023.

b74 - 11/15/2022: Wheat, silage, soft dough

Field name: b74

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022



	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	49,379,342.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,818.47 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.72 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	233.17	36.23	274.91	3,279.02	Process wastewater applied
Fresh water	0.00	0.00	0.00	172.90	11,351,380.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	418.03 <i>acre-inches</i>
Total nutrients applied	240.17	36.23	274.91	3,451.92	2.92 <i>inches/acre</i>
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	199.70	38.16	292.55	1,076.07	Total harvests for the crop
Nutrient balance	40.48	-1.92	-17.64	2,375.85	1 <i>harvests</i>
Applied to removed ratio	1.20	0.95	0.94	3.21	

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

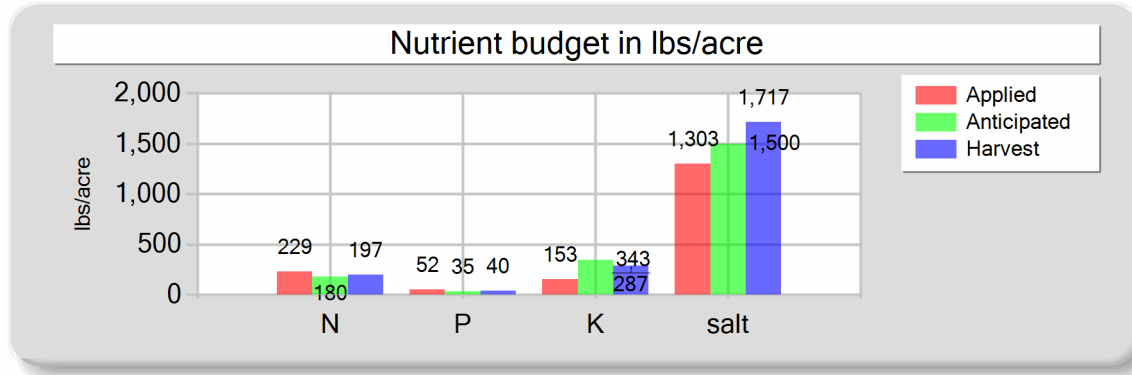
Reporting period 01/01/2023 to 12/31/2023.

b74 - 06/05/2023: Sorghum-Sudangrass, forage

Field name: b74

Crop: Sorghum-Sudangrass, forage

Plant date: 06/05/2023



	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	154.11	38.03	56.04	0.00
Process wastewater	68.31	14.07	96.95	967.70
Fresh water	0.00	0.00	0.00	335.46
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	229.42	52.10	152.99	1,303.16
Anticipated crop nutrient removal	180.00	35.00	342.50	1,500.00
Actual crop nutrient removal	196.82	39.96	287.09	1,716.65
Nutrient balance	32.59	12.14	-134.11	-413.49
Applied to removed ratio	1.17	1.30	0.53	0.76

Fresh water applied
95,807,530.00 <i>gallons</i>
3,528.27 <i>acre-inches</i>
24.67 <i>inches/acre</i>

Process wastewater applied
3,048,258.00 <i>gallons</i>
112.26 <i>acre-inches</i>
0.79 <i>inches/acre</i>

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

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

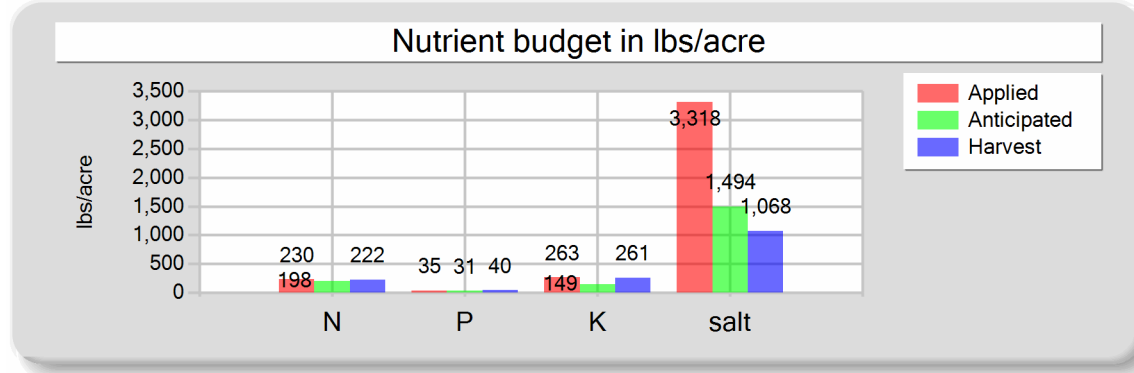
Reporting period 01/01/2023 to 12/31/2023.

b75w - 11/15/2022: Wheat, silage, soft dough

Field name: b75w

Crop: Wheat, silage, soft dough

Plant date: 11/15/2022



	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	222.89	34.64	262.78	3,134.42
Fresh water	0.00	0.00	0.00	183.16
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	229.89	34.64	262.78	3,317.58
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	221.51	40.18	260.60	1,068.47
Nutrient balance	8.38	-5.54	2.18	2,249.11
Applied to removed ratio	1.04	0.86	1.01	3.10

Fresh water applied
5,487,230.00 gallons
202.08 acre-inches
13.47 inches/acre

Process wastewater applied
1,138,194.00 gallons
41.92 acre-inches
2.79 inches/acre

Total harvests for the crop
1 harvests

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

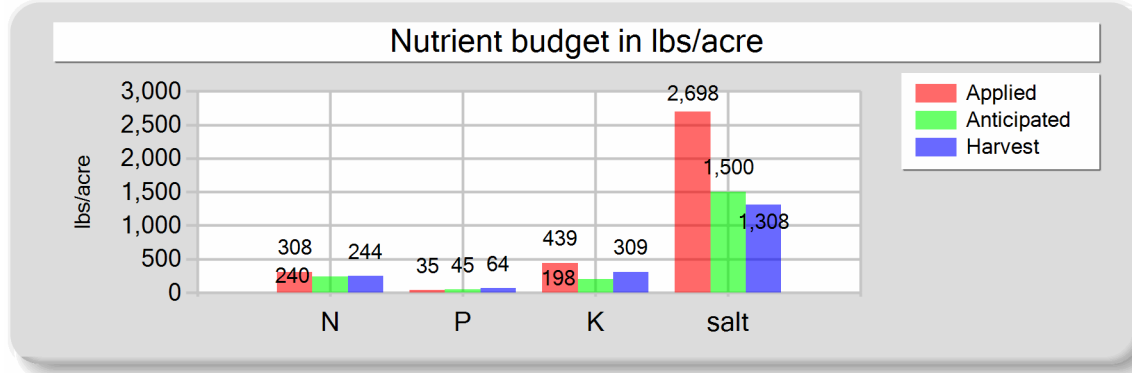
Reporting period 01/01/2023 to 12/31/2023.

b75w - 06/10/2023: Corn, silage

Field name: b75w

Crop: Corn, silage

Plant date: 06/10/2023



	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	15,476,391.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	569.94 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	38.00 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	300.58	35.42	438.81	2,181.18	Process wastewater applied
Fresh water	0.00	0.00	0.00	516.60	1,022,447.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	37.65 <i>acre-inches</i>
Total nutrients applied	307.58	35.42	438.81	2,697.79	2.51 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	244.37	64.31	308.68	1,307.60	Total harvests for the crop
Nutrient balance	63.21	-28.88	130.13	1,390.19	1 <i>harvests</i>
Applied to removed ratio	1.26	0.55	1.42	2.06	

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

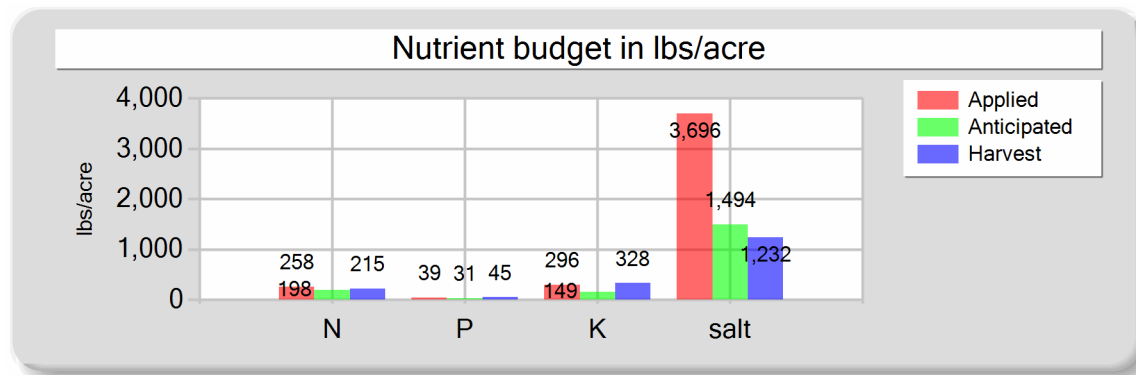
Reporting period 01/01/2023 to 12/31/2023.

b76w - 11/16/2022: Wheat, silage, soft dough

Field name: b76w

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	250.97	39.00	295.89	3,529.25
Fresh water	0.00	0.00	0.00	167.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	257.97	39.00	295.89	3,696.39
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	214.59	45.48	328.28	1,232.12
Nutrient balance	43.38	-6.48	-32.39	2,464.27
Applied to removed ratio	1.20	0.86	0.90	3.00

Fresh water applied
6,676,466.00 <i>gallons</i>
245.87 <i>acre-inches</i>
12.29 <i>inches/acre</i>

Process wastewater applied
1,708,757.00 <i>gallons</i>
62.93 <i>acre-inches</i>
3.15 <i>inches/acre</i>

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

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

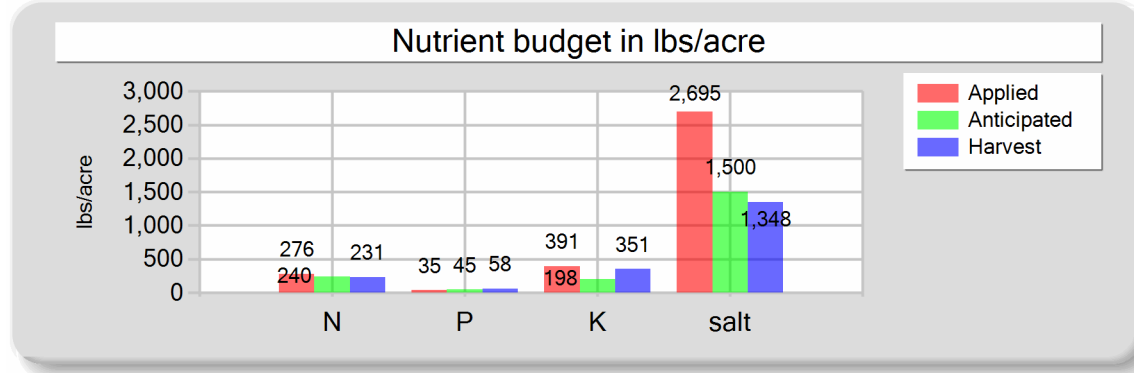
Reporting period 01/01/2023 to 12/31/2023.

b76w - 06/10/2023: Corn, silage

Field name: b76w

Crop: Corn, silage

Plant date: 06/10/2023



	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	20,632,361.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	759.82 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	37.99 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	268.75	34.58	391.01	2,178.38	Process wastewater applied
Fresh water	0.00	0.00	0.00	516.53	1,275,246.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	46.96 <i>acre-inches</i>
Total nutrients applied	275.75	34.58	391.01	2,694.91	2.35 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	231.12	57.78	350.81	1,347.53	Total harvests for the crop
Nutrient balance	44.63	-23.20	40.20	1,347.38	1 <i>harvests</i>
Applied to removed ratio	1.19	0.60	1.11	2.00	

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

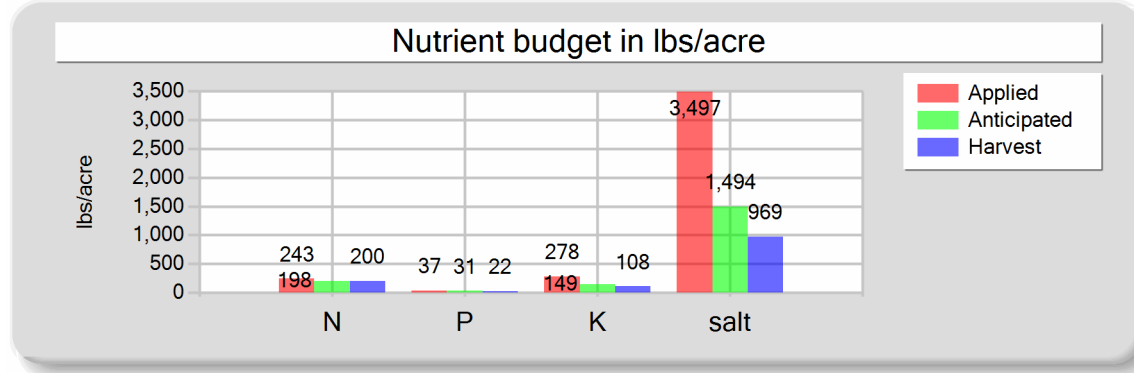
Reporting period 01/01/2023 to 12/31/2023.

b77w - 11/16/2022: Wheat, silage, soft dough

Field name: b77w

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	235.65	36.62	277.83	3,313.87
Fresh water	0.00	0.00	0.00	183.12
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	242.65	36.62	277.83	3,496.99
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	199.53	21.54	107.70	969.33
Nutrient balance	43.12	15.08	170.13	2,527.67
Applied to removed ratio	1.22	1.70	2.58	3.61

Fresh water applied
28,161,596.00 <i>gallons</i>
1,037.10 <i>acre-inches</i>
13.47 <i>inches/acre</i>

Process wastewater applied
6,177,243.00 <i>gallons</i>
227.49 <i>acre-inches</i>
2.95 <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.

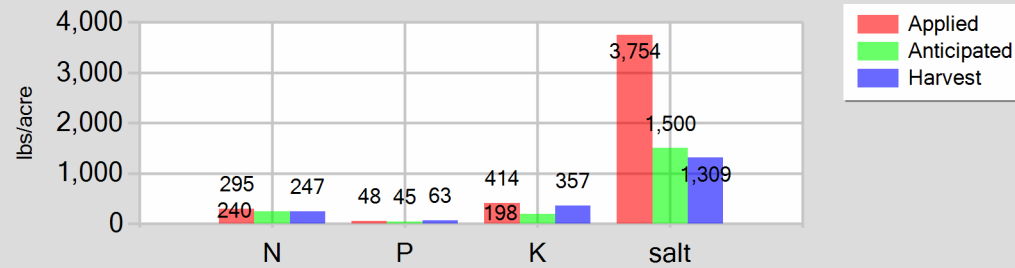
b77w - 06/10/2023: Corn, silage

Field name: b77w

Crop: Corn, silage

Plant date: 06/10/2023

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	288.31	48.29	414.30	3,214.52
Fresh water	0.00	0.00	0.00	539.81
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	295.31	48.29	414.30	3,754.33
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	247.36	63.43	357.30	1,308.69
Nutrient balance	47.95	-15.13	57.00	2,445.64
Applied to removed ratio	1.19	0.76	1.16	2.87

Fresh water applied
83,015,149.00 <i>gallons</i>
3,057.17 <i>acre-inches</i>
39.70 <i>inches/acre</i>

Process wastewater applied
6,101,017.00 <i>gallons</i>
224.68 <i>acre-inches</i>
2.92 <i>inches/acre</i>

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

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

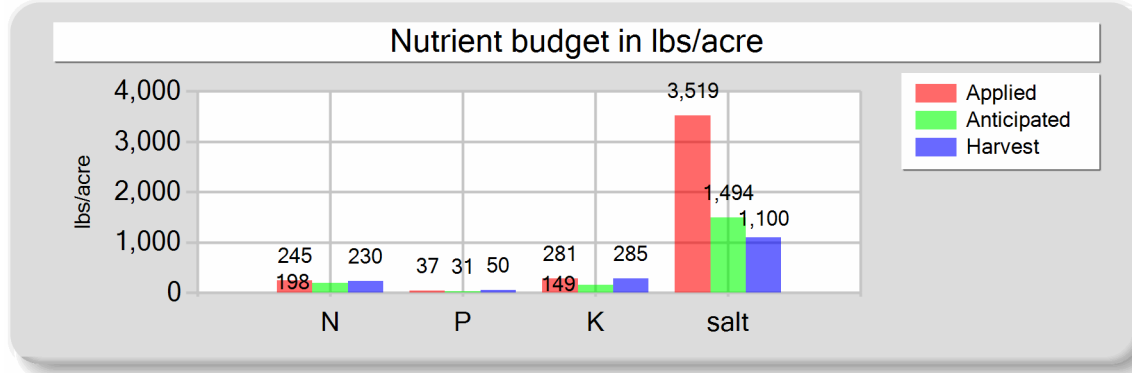
Reporting period 01/01/2023 to 12/31/2023.

b78 - 11/16/2022: Wheat, silage, soft dough

Field name: b78

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	237.93	36.97	280.52	3,345.93
Fresh water	0.00	0.00	0.00	173.22
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	244.93	36.97	280.52	3,519.15
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00
Actual crop nutrient removal	229.56	50.45	285.06	1,099.89
Nutrient balance	15.37	-13.48	-4.55	2,419.25
Applied to removed ratio	1.07	0.73	0.98	3.20

Fresh water applied
41,514,161.00 <i>gallons</i>
1,528.83 <i>acre-inches</i>
12.74 <i>inches/acre</i>

Process wastewater applied
9,719,999.00 <i>gallons</i>
357.95 <i>acre-inches</i>
2.98 <i>inches/acre</i>

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

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

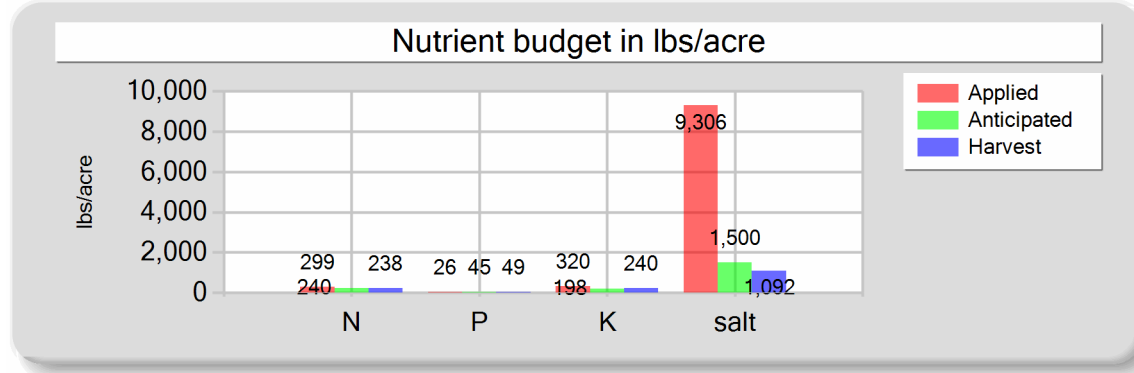
Reporting period 01/01/2023 to 12/31/2023.

b78 - 06/10/2023: Corn, silage

Field name: b78

Crop: Corn, silage

Plant date: 06/10/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	279.12	26.40	319.83	3,547.18
Fresh water	12.76	0.00	0.00	5,758.80
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	298.88	26.40	319.83	9,305.97
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00
Actual crop nutrient removal	238.48	49.34	240.13	1,092.08
Nutrient balance	60.40	-22.94	79.70	8,213.90
Applied to removed ratio	1.25	0.54	1.33	8.52

Fresh water applied
129,400,260.00 <i>gallons</i>
4,765.37 <i>acre-inches</i>
39.71 <i>inches/acre</i>

Process wastewater applied
8,361,955.00 <i>gallons</i>
307.94 <i>acre-inches</i>
2.57 <i>inches/acre</i>

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

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

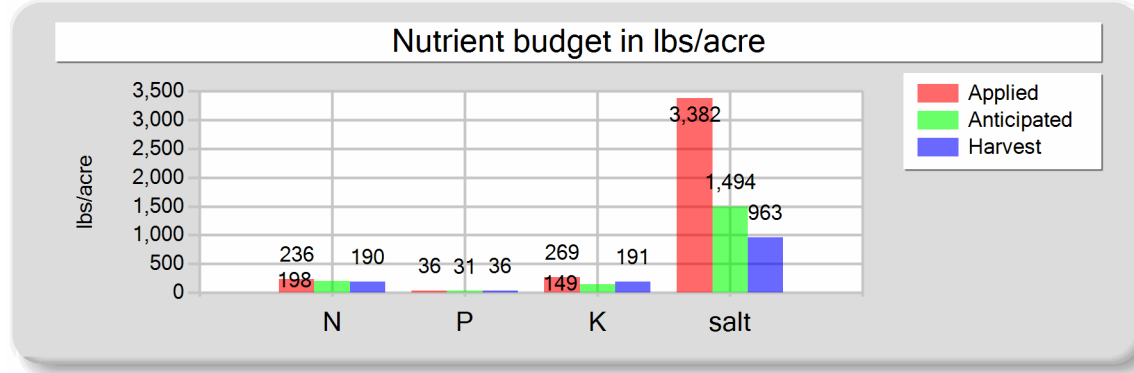
Reporting period 01/01/2023 to 12/31/2023.

b79 - 11/16/2022: Wheat, silage, soft dough

Field name: b79

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	25,760,713.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	948.68 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.32 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	228.59	35.52	269.50	3,214.50	Process wastewater applied
Fresh water	0.00	0.00	0.00	167.51	5,992,017.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	220.67 <i>acre-inches</i>
Total nutrients applied	235.59	35.52	269.50	3,382.01	2.87 <i>inches/acre</i>
Anticipated crop nutrient removal	198.00	30.60	149.40	1,494.00	
Actual crop nutrient removal	190.08	36.42	191.21	962.90	Total harvests for the crop
Nutrient balance	45.51	-0.90	78.28	2,419.12	1 <i>harvests</i>
Applied to removed ratio	1.24	0.98	1.41	3.51	

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

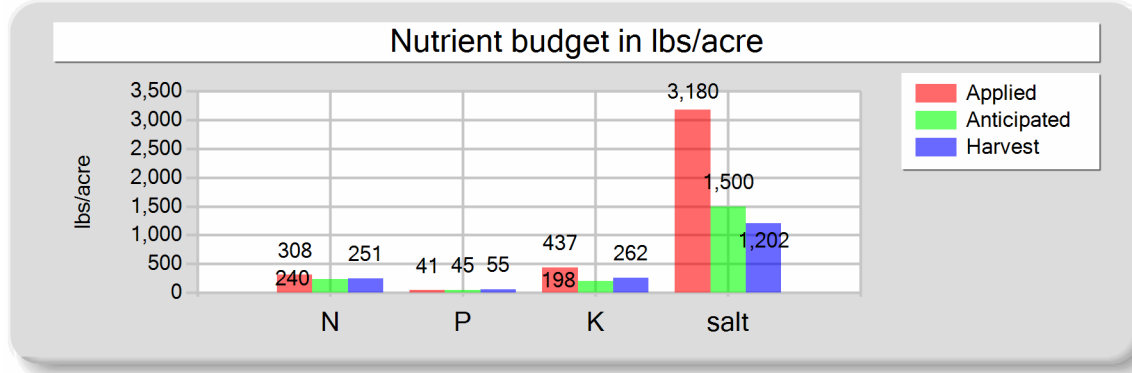
Reporting period 01/01/2023 to 12/31/2023.

b79 - 06/14/2023: Corn, silage

Field name: b79

Crop: Corn, silage

Plant date: 06/14/2023



	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	83,808,785.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	3,086.39 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	40.08 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	300.94	41.23	436.69	2,635.38	Process wastewater applied
Fresh water	0.00	0.00	0.00	544.97	5,684,094.00 <i>gallons</i>
Atmospheric deposition	7.00	0.00	0.00	0.00	209.33 <i>acre-inches</i>
Total nutrients applied	307.94	41.23	436.69	3,180.35	2.72 <i>inches/acre</i>
Anticipated crop nutrient removal	240.00	45.00	198.00	1,500.00	
Actual crop nutrient removal	251.48	55.20	261.70	1,202.20	Total harvests for the crop
Nutrient balance	56.46	-13.98	174.99	1,978.15	1 <i>harvests</i>
Applied to removed ratio	1.22	0.75	1.67	2.65	

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

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

Manure

Sample and source description: Manure

Sample date: 10/05/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 4.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,400.00	3,800.00	5,600.00							
DL	100.00	200.00	200.00							

Manure

Sample and source description: Manure

Sample date: 05/01/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 15.1 %

	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	23,100.00	6,900.00	33,900.00							
DL	100.00	200.00	200.00							

Manure

Sample and source description: Manure

Sample date: 10/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 10.2 %

	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	23,200.00	6,600.00	13,500.00							
DL	100.00	200.00	200.00							

B. PROCESS WASTEWATER ANALYSES

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

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

Lagoon

Sample and source description: Lagoon

Sample date: 11/10/2022 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	352.00	298.00	0.00	0.00	54.70	415.00								7,460.00	4,950
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

Lagoon

Sample and source description: Lagoon

Sample date: 03/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.40

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	347.00	255.00	0.00	0.00	61.70	856.00								6,860.00	4,560
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

Lagoon

Sample and source description: Lagoon

Sample date: 05/01/2023 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	590.00	558.00	0.00	0.00	55.10	868.00								4,740.00	3,150
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

Lagoon

Sample and source description: Lagoon

Sample date: 08/02/2023 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	384.00	374.00	0.00	0.00	79.10	545.00								8,200.00	5,440
DL	10.00	2.00	0.10	2.00	0.20	0.50								100.00	10

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

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

Lagoon

Sample and source description: Lagoon

Sample date: 11/07/2023 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	490.00	484.00	0.00	0.00	33.50	409.00								5,990.00	3,980
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

C. FRESH WATER ANALYSES

2B1

Irrigation Well

Sample description: Irrigation Well

Sample date: 06/28/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								479.00	300
DL	0.50	0.10	0.20								1.00	20

DW3

Domestic Well

Sample description: Domestic Well

Sample date: 06/28/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								486.00	
DL	0.50	0.10	0.20								1.00	

Kern Delta ID

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

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

Kern Delta ID

Canal Water (Kern Delta)

Sample description: Canal Water (Kern Delta)

Sample date: 06/28/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								69.00	60
DL	0.50	0.10	0.20								1.00	20

W11

Irrigation Well

Sample description: Irrigation Well

Sample date: 06/28/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								538.00	890
DL	0.50	0.10	0.20								1.00	20

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

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

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

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

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

WheatSample and source description: WheatSample date: 04/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 69.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,800.00	4,000.00	23,400.00		9.51
DL	500.00	200.00	200.00		0.05

10N - 05/25/2023: Corn, silage

CornSample and source description: CornSample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 69.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,600.00	3,400.00	15,300.00		5.22
DL	0.05	0.02	0.02		0.05

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

WheatSample and source description: WheatSample date: 05/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 67.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,300.00	3,400.00	25,900.00		8.23
DL	500.00	200.00	200.00		0.05

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

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

10S - 05/25/2023: Corn, silage

CornSample and source description: CornSample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 68.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,100.00	3,300.00	14,200.00		5.25
DL	500.00	200.00	200.00		0.05

11b1 - 11/11/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 05/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 66.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,300.00	4,400.00	28,500.00		8.86
DL	500.00	200.00	200.00		0.05

11b1 - 05/30/2023: Corn, silage

CornSample and source description: CornSample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	2,700.00	14,600.00		6.22
DL	500.00	200.00	200.00		0.05

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

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

12b3 - 11/11/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 05/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 67.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,000.00	4,200.00	30,800.00		9.07
DL	500.00	200.00	200.00		0.05

12b3 - 06/15/2023: Sorghum-Sudangrass, forage

Sudan GrassSample and source description: Sudan GrassSample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 76.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,600.00	3,900.00	29,400.00		12.40
DL	500.00	200.00	200.00		0.05

2b1 - 11/12/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 04/30/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 70.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,100.00	3,900.00	20,800.00		10.10
DL	500.00	200.00	200.00		0.05

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

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

2b1 - 05/30/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/15/2023 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	11,400.00	3,300.00	18,600.00		6.86
DL	500.00	200.00	200.00		0.05

2b2 - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/30/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,000.00	2,700.00	15,900.00		8.72
DL	500.00	200.00	200.00		0.05

2b2 - 05/30/2023: Corn, silage

Corn

Sample and source description: Corn

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

Moisture: 70.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,200.00	1,800.00	13,900.00		10.20
DL	500.00	200.00	200.00		0.05

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

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

2b3 - 11/11/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/30/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,700.00	3,700.00	16,700.00		10.20
DL	500.00	200.00	200.00		0.05

2b3 - 06/01/2023: Corn, silage

Corn

Sample and source description: Corn

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

Moisture: 68.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,200.00	2,400.00	12,500.00		5.71
DL	500.00	200.00	200.00		0.05

2b4n - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

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

Moisture: 71.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,600.00	4,200.00	22,000.00		8.53
DL	500.00	200.00	200.00		0.05

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

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

2b4n - 06/01/2023: Corn, silage

Corn

Sample and source description: Corn

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

Moisture: 66.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,300.00	2,900.00	11,700.00		4.91
DL	500.00	200.00	200.00		0.05

2b4s - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/20/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,700.00	4,600.00	27,600.00		9.25
DL	500.00	200.00	200.00		0.05

2b4s - 06/01/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/15/2023 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	13,000.00	2,800.00	11,800.00		5.32
DL	500.00	200.00	200.00		0.05

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

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

3a1 - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/26/2023 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	16,600.00	3,600.00	33,900.00		9.93
DL	500.00	200.00	200.00		0.05

3a1 - 06/01/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/16/2023 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	12,900.00	2,900.00	13,200.00		5.74
DL	500.00	200.00	200.00		0.05

3a2 - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,200.00	4,000.00	31,100.00		9.92
DL	500.00	200.00	200.00		0.05

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

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

3a2 - 06/01/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,400.00	2,900.00	12,700.00		5.66
DL	500.00	200.00	200.00		0.05

3b1 - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 67.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,500.00	4,000.00	26,100.00		12.70
DL	500.00	200.00	200.00		0.05

3b1 - 06/02/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/16/2023 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	13,100.00	3,100.00	20,800.00		7.90
DL	500.00	200.00	200.00		0.05

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

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

3b2 - 11/13/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 04/21/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 69.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,400.00	3,900.00	24,500.00		13.20
DL	500.00	200.00	200.00		0.05

3b2 - 06/02/2023: Corn, silage

CornSample and source description: CornSample date: 09/16/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 65.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,200.00	2,600.00	11,000.00		5.01
DL	500.00	200.00	200.00		0.05

3b3 - 11/13/2022: Wheat, silage, soft dough

WheatSample and source description: WheatSample date: 04/29/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 73.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,200.00	4,200.00	29,600.00		11.10
DL	500.00	200.00	200.00		0.05

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

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

3b3 - 06/03/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/16/2023 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	10,800.00	2,600.00	9,900.00		4.40
DL	500.00	200.00	200.00		0.05

3c - 11/13/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/26/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,400.00	3,600.00	23,300.00		9.73
DL	500.00	200.00	200.00		0.05

3c - 06/04/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/17/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,100.00	2,700.00	10,800.00		5.19
DL	0.05	0.02	0.02		0.05

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

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

4E - 11/12/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

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

Moisture: 71.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	21,000.00	3,900.00	22,900.00		9.75
DL	500.00	200.00	200.00		0.05

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

Corn

Sample and source description: Corn

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

Moisture: 69.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,500.00	2,500.00	14,800.00		6.45
DL	500.00	200.00	200.00		0.05

4W - 11/14/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

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

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,500.00	4,100.00	29,400.00		10.80
DL	500.00	200.00	200.00		0.05

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

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

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

Corn

Sample and source description: Corn

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

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,900.00	2,600.00	17,100.00		7.06
DL	500.00	200.00	200.00		0.05

9 - 11/14/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 05/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,000.00	3,900.00	27,300.00		8.57
DL	500.00	200.00	200.00		0.05

9 - 06/04/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/17/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,400.00	2,500.00	15,700.00		5.87
DL	500.00	200.00	200.00		0.05

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

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

b61 - 11/16/2018: Alfalfa, hay

Alfalfa

Sample and source description: Alfalfa

Sample date: 11/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 9.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	37,500.00	2,900.00	22,200.00		20.40
DL	500.00	200.00	200.00		0.05

b62 - 11/16/2018: Alfalfa, hay

Alfalfa

Sample and source description: Alfalfa

Sample date: 11/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 10.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	38,000.00	2,900.00	24,400.00		12.30
DL	500.00	200.00	200.00		0.05

b63 - 06/19/2023: Sorghum-Sudangrass, forage

Alfalfa

Sample and source description: Alfalfa

Sample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 77.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,400.00	4,200.00	29,700.00		14.00
DL	500.00	200.00	200.00		0.05

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

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

b64 - 06/20/2023: Sorghum-Sudangrass, forage

Alfalfa

Sample and source description: Alfalfa

Sample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 76.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,900.00	4,200.00	31,400.00		13.90
DL	500.00	200.00	200.00		0.05

b73 - 11/16/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/29/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 71.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,200.00	4,200.00	29,000.00		10.70
DL	500.00	200.00	200.00		0.05

b73 - 06/04/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 72.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	3,000.00	16,400.00		6.03
DL	500.00	200.00	200.00		0.05

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

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

b74 - 11/15/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,700.00	3,000.00	23,000.00		8.46
DL	500.00	200.00	200.00		0.05

b74 - 06/05/2023: Sorghum-Sudangrass, forage

Sorghum

Sample and source description: Sorghum

Sample date: 09/18/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	13,300.00	2,700.00	19,400.00		11.60
DL	500.00	200.00	200.00		0.05

b75w - 11/15/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/22/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 72.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,400.00	3,700.00	24,000.00		9.84
DL	500.00	200.00	200.00		0.05

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

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

b75w - 06/10/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,400.00	3,000.00	14,400.00		6.10
DL	500.00	200.00	200.00		0.05

b76w - 11/16/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

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

Moisture: 62.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,100.00	3,200.00	23,100.00		8.67
DL	500.00	200.00	200.00		0.05

b76w - 06/10/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,200.00	2,800.00	17,000.00		6.53
DL	500.00	200.00	200.00		0.05

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

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

b77w - 11/16/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

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

Moisture: 69.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,600.00	1,900.00	9,500.00		8.55
DL	500.00	200.00	200.00		0.05

b77w - 06/10/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 64.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	11,700.00	3,000.00	16,900.00		6.19
DL	500.00	200.00	200.00		0.05

b78 - 11/16/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/24/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,200.00	4,000.00	22,600.00		8.72
DL	500.00	200.00	200.00		0.05

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

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

b78 - 06/10/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 72.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,500.00	3,000.00	14,600.00		6.64
DL	500.00	200.00	200.00		0.05

b79 - 11/16/2022: Wheat, silage, soft dough

Wheat

Sample and source description: Wheat

Sample date: 04/29/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 68.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,700.00	3,200.00	16,800.00		8.46
DL	500.00	200.00	200.00		0.05

b79 - 06/14/2023: Corn, silage

Corn

Sample and source description: Corn

Sample date: 09/19/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 66.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,300.00	2,700.00	12,800.00		5.88
DL	500.00	200.00	200.00		0.05

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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

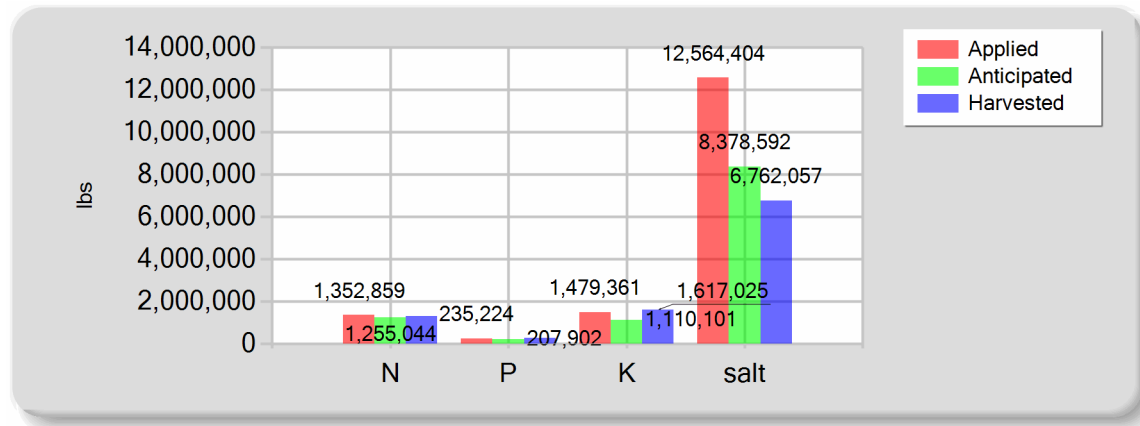
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

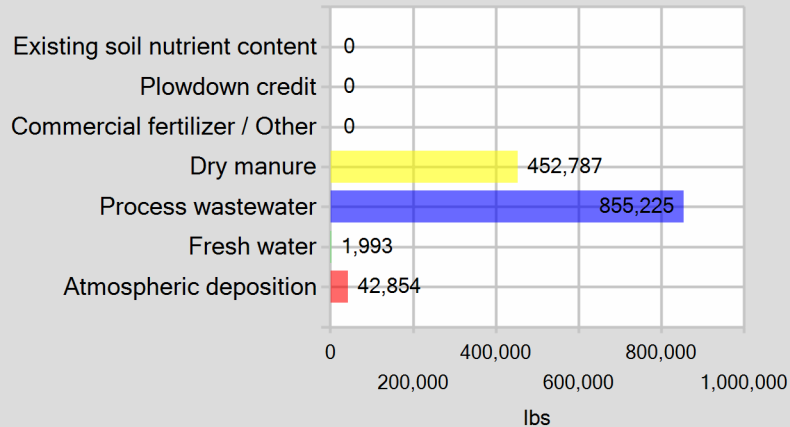
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	452,787.49	120,030.00	341,093.42	0.00
Process wastewater	855,224.56	115,193.83	1,138,267.24	8,935,046.12
Fresh water	1,992.68	0.00	0.00	3,629,358.07
Atmospheric deposition	42,854.00	0.00	0.00	0.00
Total nutrients applied	1,352,858.73	235,223.83	1,479,360.66	12,564,404.20
Anticipated crop nutrient removal	1,255,044.00	207,902.20	1,110,101.20	8,378,592.00
Actual crop nutrient removal	1,301,741.76	264,948.41	1,617,024.58	6,762,057.43
Nutrient balance	51,116.96	-29,724.58	-137,663.91	5,802,346.77
Applied to removed ratio	1.04	0.89	0.91	1.86

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

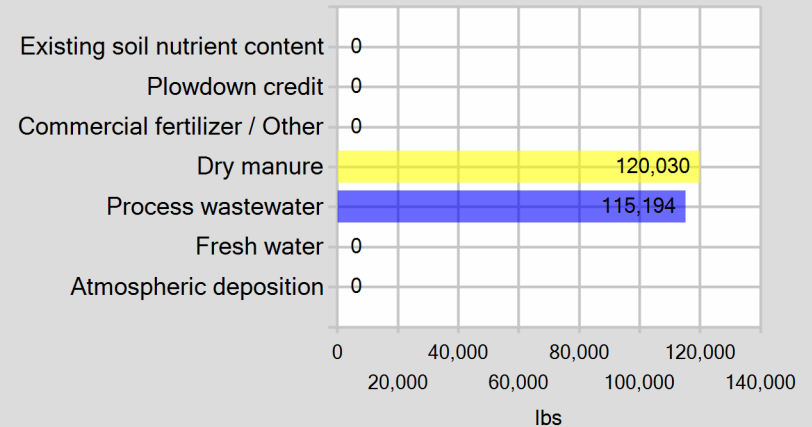


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

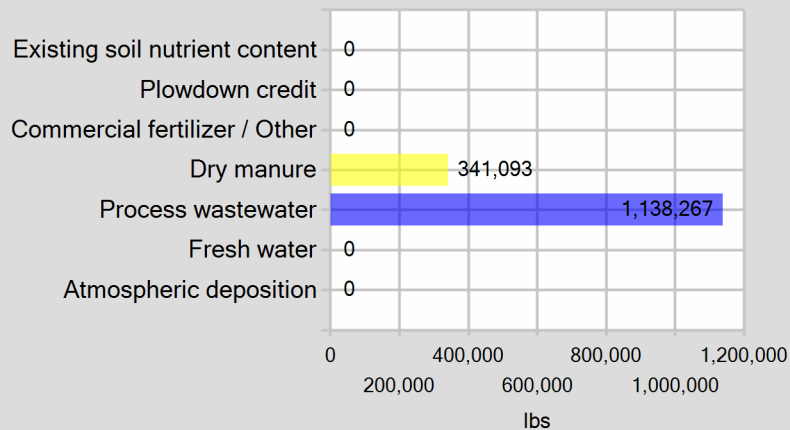
Pounds of nitrogen applied



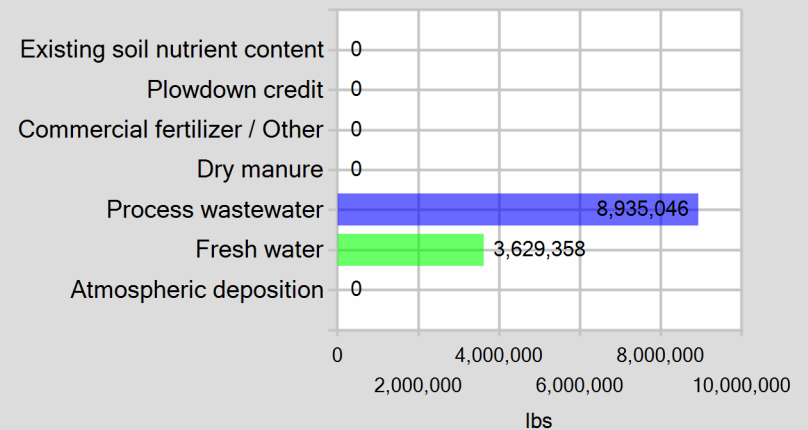
Pounds of phosphorus applied



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? Yes

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

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

B. EXPORT AGREEMENT STATEMENT

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

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

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

ADDITIONAL NOTES

A. NOTES

~Wells W1, W2, W3, W4, W5, W6, W9, W12, DW1, DW2 were Out of Service in 2023.

~Fields B80, 12b1, 12b2, and 12b4 were fallow in 2023.

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

John Bidart

PRINT OR TYPE NAME

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFa Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed .

Manure/Process Wastewater Tracking Manifests

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

Storm Water Monitoring

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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


SIGNATURE OF OWNER OF FACILITY

John Bidart

PRINT OR TYPE NAME

01/14/2024
DATE


SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

01/14/2024
DATE

July 17, 2023

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Lab No. : VI 2344348
Customer No. : 4019696
Reference : 3047

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
Kern Delta I.D.	06/28/2023	06/28/2023	VI 2344348-001	AGW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: KEH

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-07-17

July 17, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : Kern Delta I.D.
 Project : Kern Delta I.D.

Lab No. : VI 2344348-001
 Customer No. : 4019696
 Reference : 3047
 Sampled On : June 28, 2023 at 07:40
 Sampled By : Klay
 Received On : June 28, 2023 at 10:44
 Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	17:56	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	14:21	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	Calc.	07/14/2023	17:56	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	14:21	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	17:56	lcr
Conductivity	69	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/06/2023	00:19	sta
Solids, Total Dissolved (TDS)	60	20	mg/L		1		06/29/2023	17:00	ctl	SM 2540 C	06/30/2023	11:50	ctl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

July 17, 2023
Sentry Ag Service

Lab No. : VI 2344348
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(STK2338534-002)	Dup	umhos/cm		0.3%	5	
Solids, Total Dissolved	2540CE	06/29/2023:207182CTL (VI 2344376-001) (VI 2344376-001)	Blank	mg/L	993.7	ND	<20	
			LCS	mg/L		99.2%	90-110	
			Dup	mg/L		1.12%	5	
			Dup	mg/L		1.19%	5	
Nitrogen, Total Kjeldahl	351.2	07/11/2023:207567STA (STK2338587-006)	Blank	mg/L	12.00	ND	<0.5	
			LCS	mg/L		97.7%	73-124	
			MS	mg/L		92.5%	54-136	
			MSD	mg/L		91.2%	54-136	
			MSRPD	mg/L		1.4%	≤27	
			MS	mg/L		97.1%	54-136	
			MSD	mg/L		96.0%	54-136	
			MSRPD	mg/L		1.1%	≤27	
Nitrate + Nitrite as N	4500NO3F	06/29/2023:207183LFS (SP 2311039-001)	Blank	mg/L	11.22	ND	<0.4	
			LCS	mg/L		97.1%	80-120	
			MS	mg/L		91.3%	66-125	
			MSD	mg/L		93.1%	66-125	
			MSRPD	mg/L		1.1%	≤30.4	
Nitrate Nitrogen	4500NO3F	06/29/2023:207183LFS (SP 2311039-001)	Blank	mg/L	11.22	ND	<0.4	
			LCS	mg/L		97.1%	80-120	
			MS	mg/L		91.3%	66-125	
			MSD	mg/L		93.1%	66-125	
			MSRPD	mg/L		1.1%	≤30.4	

Definition

Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.



Laboratory Analysis Work Order

3047

SITE NAME: Kern Delta I.D.

LABORATORY: VT FGL 4-19696

Billing: Sentry Ag Services, LLC
P.O. Box 7750, Visalia, CA 93290

Authorized Copy Release to:
labs@sentryagservices.com

ANALYSIS TO BE COMPLETED

Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
W2 EC, NO₃N, TDS, TN (Irr)
W3 NH₄-N (Ammonium)
W4 EC, NO₃N, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)
W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)
W6 NO₃N, NO₂ (Dom ILRP, Annually)
W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
W8 Other: _____

201
5.4

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
L3 Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
M3 Other: _____

Plant Tissue

- P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)
P2 TN, P, K (Mid-season - Corn)
P3 TN, TP, TK, Ash, %M (At Harvest)
P4 TN, %M
P5 % Moisture
P6 NIR
P7 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N, PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
S2 S1 + CEC, CaCO₃, OM, C:N, TN
S3 NO₃N, NH₄N
S4 Other: _____

	Sample ID	Description	Analysis	Date/Time	Sampled by	SAS USE ONLY: FIELD TESTS		
						NH ₄ N*	pH	Temp
1	Kern Delta I.D.	Canal	W2	6/18/23 7:46	Klay	-		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWOCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st	Klay	SAS		6/18/23 10:44
2 nd	SRO	FGL	6-28-23 1044	
3 rd	SRO	FGL		6/28/23 1730
4 th		GLS	6-28-23 1730	

LABORATORY USE ONLY

Logged In By: GLS 6/29/23 Total Samples: 1028 Laboratory No.: CDA

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 201 / 5.4 / / / /
Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

- | | | | |
|---|--------------------------------------|----|--------------------------------------|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="radio"/> Yes | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="radio"/> Yes | No | |
| 5. VOAs checked for Headspace? | Yes | No | <input checked="" type="radio"/> N/A |
| 6. Were sample custody seals intact? | Yes | No | <input checked="" type="radio"/> N/A |
| 7. If required, was sample split for pH analysis? | Yes | No | <input checked="" type="radio"/> N/A |
| 8. Were all analyses within holding times at time of receipt? | <input checked="" type="radio"/> Yes | No | |
| 9. Verify sample date, time and sampler name | <input checked="" type="radio"/> Yes | No | |

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SRO

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 2 / 4 / 4 / 1 / /
Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers:

559678703 / 7 / 691 / 696

- | | | | |
|---|--------------------------------------|----|--------------------------------------|
| 3. Do the number of bottles received agree with the COC? | <input checked="" type="radio"/> Yes | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <input checked="" type="radio"/> Yes | No | |
| 5. Were sample custody seals intact? | Yes | No | <input checked="" type="radio"/> N/A |

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

- | | | | |
|---|--------------------------------------|----|--------------------------------------|
| 1. Were all requested analyses understood and acceptable? | <input checked="" type="radio"/> Yes | No | |
| 2. Did bottle labels correspond with the client's ID's? | <input checked="" type="radio"/> Yes | No | |
| 3. Were all bottles requiring sample preservation properly preserved?
<small>[Exception: Oil & Grease, VOA and CrVI verified in lab]</small> | <input checked="" type="radio"/> Yes | No | N/A FGL |
| 4. VOAs checked for Headspace? | Yes | No | <input checked="" type="radio"/> N/A |
| 5. Have rush or project due dates been checked and accepted? | Yes | No | <input checked="" type="radio"/> N/A |
| 6. Were all analyses within holding times at time of receipt? | <input checked="" type="radio"/> Yes | No | |

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CDA

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____
Resolution: _____

2. Person Contacted: _____
Initiated By: _____
Problem: _____
Resolution: _____

(Please use the back of this sheet for additional contacts)



July 25, 2023

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Lab No. : VI 2344346
Customer No. : 4019696
Reference : 3050

Laboratory Report

Introduction: This report package contains a total of 5 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
W11	06/28/2023	06/28/2023	VI 2344346-001	AGW
2B1	06/28/2023	06/28/2023	VI 2344346-002	AGW
DW3	06/28/2023	06/28/2023	VI 2344346-003	DW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Discussion of Analytical Results:

Case Narrative - 7/25/23 - The Electrical Conductivity result for W11 could not be reported due to laboratory contamination.

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: KEH

Approved By **Kelly A. Dunnahoo, B.S.**


 Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-07-25

July 25, 2023

Sentry Ag Services

Attn: Monique Baldiviez

P.O. Box 7750

Visalia, CA 93290

Description : W11

Project : Bidart II

Lab No. : VI 2344346-001

Customer No. : 4019696

Reference : 3050

Sampled On : June 28, 2023 at 08:20

Sampled By : Klay

Received On : June 28, 2023 at 10:44

Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	15:52	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	14:53	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	Calc.	07/14/2023	15:52	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	14:53	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	15:52	lcr
Solids, Total Dissolved (TDS)	890	20	mg/L		1		06/29/2023	16:30	ctl	SM 2540 C	06/30/2023	11:50	ctl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Corporate Offices & Laboratory

853 Corporation Street

Santa Paula, CA 93060

TEL: (805)392-2000

Env FAX: (805)525-4172 / Ag FAX: (805)392-2063

CA ELAP Certification No. 1573

Office & Laboratory

2500 Stagecoach Road

Stockton, CA 95215

TEL: (209)942-0182

FAX: (209)942-0423

CA ELAP Certification No. 1563

Office & Laboratory

563 E. Lindo Avenue

Chico, CA 95926

TEL: (530)343-5818

FAX: (530)343-3807

CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D

San Luis Obispo, CA 93401

TEL: (805)783-2940

FAX: (805)783-2912

CA ELAP Certification No. 2775

Office & Laboratory

9415 W. Goshen Avenue

Visalia, CA 93291

TEL: (559)734-9473

FAX: (559)734-8435

CA ELAP Certification No. 2810

July 25, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : 2B1
 Project : Bidart II

Lab No. : VI 2344346-002
 Customer No. : 4019696
 Reference : 3050
 Sampled On : June 28, 2023 at 08:10
 Sampled By : Klay
 Received On : June 28, 2023 at 10:44
 Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	15:54	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	15:01	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	Calc.	07/14/2023	15:54	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	15:01	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	15:54	lcr
Conductivity	479	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/06/2023	01:26	sta
Solids, Total Dissolved (TDS)	300	20	mg/L		1		06/29/2023	17:00	ctl	SM 2540 C	06/30/2023	11:50	ctl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

July 25, 2023

Sentry Ag Services

Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Description : DW3
 Project : Bidart II

Lab No. : VI 2344346-003
 Customer No. : 4019696
 Reference : 3050
 Sampled On : June 28, 2023 at 08:20
 Sampled By : Klay
 Received On : June 28, 2023 at 10:44
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrate Nitrogen	ND	0.4	mg/L	10	1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	15:03	lfs
Conductivity	486	1	umhos/cm	1600 ²	1		07/05/2023	14:10	amm	SM 4500-H+B	07/05/2023	18:43	sta

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level, Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

Corporate Offices & Laboratory

853 Corporation Street
 Santa Paula, CA 93060
 TEL: (805)392-2000
 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
 CA ELAP Certification No. 1573

Office & Laboratory

2500 Stagecoach Road
 Stockton, CA 95215
 TEL: (209)942-0182
 FAX: (209)942-0423
 CA ELAP Certification No. 1563

Office & Laboratory

563 E. Lindo Avenue
 Chico, CA 95926
 TEL: (530)343-5818
 FAX: (530)343-3807
 CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D
 San Luis Obispo, CA 93401
 TEL: (805)783-2940
 FAX: (805)783-2912
 CA ELAP Certification No. 2775

Office & Laboratory

9415 W. Goshen Avenue
 Visalia, CA 93291
 TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

July 25, 2023
Sentry Ag Service

Lab No. : VI 2344346
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(STK2338587-004) (VI 2343910-002)	Dup Dup	umhos/cm umhos/cm		0.6% 0%	5 5	
Solids, Total Dissolved	2540CE	06/29/2023:207182CTL (SP 2311097-001) (SP 2311097-001) (VI 2344376-001) (VI 2344376-001)	Blank LCS Dup Dup Blank LCS Dup Dup	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	993.7 993.7	ND 102% 4.35% 0.9% ND 99.2% 1.12% 1.19%	<20 90-110 5 5 <20 90-110 5 5	
Nitrogen, Total Kjeldahl	351.2	07/11/2023:207567STA (VI 2344346-001) (VI 2344346-002)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00 12.00	ND 95.6% 93.6% 92.2% 1.4% 93.7% 96.7% 3.1%	<0.5 73-124 54-136 54-136 ≤27 54-136 54-136 ≤27	
Nitrate + Nitrite as N	4500NO3F	06/29/2023:207183LFS (VI 2344345-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 98.0% 94.6% 95.5% 0.5%	<0.4 80-120 66-125 66-125 ≤30.4	
Nitrate Nitrogen	4500NO3F	06/29/2023:207183LFS (VI 2344345-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 98.0% 94.6% 95.5% 0.5%	<0.4 80-120 66-125 66-125 ≤30.4	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

ND : Non-detect - Result was below the DQO listed for the analyte.



2344346

Laboratory Analysis Work Order

3050

SITE NAME:

Bidart II

LABORATORY: VT

FGL 4-19696

Billing:

Sentry Ag Services, LLC

P.O. Box 7750, Visalia, CA 93290

Authorized Copy Release to:

labs@sentryagservices.com

ANALYSIS TO BE COMPLETED

Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO₃N (Dom)
W2 EC, NO₃N, TDS, TN (Irr)
W3 NH₄-N (Ammonium)
W4 EC, NO₃N, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl, TDS (Dom, GM)
W5 EC, NO₃N, TDS, TN, Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Irr, GM)
W6 NO₃N, NO₂ (Dom ILRP, Annually)
W7 Ca, Mg, Na, K, HCO₃, CO₃, SO₄, Cl + Lab Filtering (GWM)
W8 Other: _____

RCI
5.4%

Process Waste Water (lagoon)

- L1 EC, NH₄N, TKN, TP, TK, TDS (Quarterly)
L2 EC, NO₃N, NH₄N, TKN, TP, TK, TDS, pH (Annually)
L3 Ca, Mg, Na, HCO₃, CO₃, SO₄S, Cl (Biennially)
L4 Other: _____

Manure

- M1 TN, TP, TK, %M (2/year)
M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
M3 Other: _____

Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO₃N,
PO₄P, K-AA, Zn, Mn, Fe, Cu, SO₄S
S2 S1 + CEC, CaCO₃, OM, C:N, TN
S3 NO₃N, NH₄N
S4 Other: _____

Plant Tissue

- P1 TN, NO₃N, PO₄P, K (Mid Season - Wheat)
P2 TN, P, K (Mid-season - Corn)
P3 TN, TP, TK, Ash, %M (At Harvest)
P4 TN, %M
P5 % Moisture
P6 NIR
P7 Other: _____

	Sample ID	Description	Analysis	Date/Time	Sampled by	SAS USE ONLY: FIELD TESTS		
						NH ₃ N *	pH	Temp
1	W11	Irr. Weir	W2	6/28/23 8:20	KLAY	—		
2	W12	↓	↓	8:10	↓	—		
3	W13	Dom. Weir	W1	↓ 8:20	↓	—		
4								
5								
6								
7								
8								
9								
10								
11								
12								

* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling & Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

GILS 6/29/23
CPA 1028

CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 st	KLAY	SAS		6/28/23 10:44
2 nd	SRO	FGL	6-28-23 1044	
3 rd	SRO	FGL		6-28-23 1730
4 th		GLS	6-28-23 1730	

LABORATORY USE ONLY

Logged In By: _____

Total Samples: _____

Laboratory No.: _____

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH

VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 201 / 5.4 / / /
Surface water SWTR bact samples: A sample that has a temperature upon receipt of $>10^{\circ}\text{C}$, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

- | | | | |
|---|------------|----|------------|
| 3. Do the number of bottles received agree with the COC? | <u>Yes</u> | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <u>Yes</u> | No | |
| 5. VOAs checked for Headspace? | Yes | No | <u>N/A</u> |
| 6. Were sample custody seals intact? | Yes | No | <u>N/A</u> |
| 7. If required, was sample split for pH analysis? | Yes | No | <u>N/A</u> |
| 8. Were all analyses within holding times at time of receipt? | <u>Yes</u> | No | |
| 9. Verify sample date, time and sampler name | <u>Yes</u> | No | |

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SRO

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 21 / 1 / 4 / 4 /
Acceptable is above freezing to 6°C . If many packages are received at one time check for tests/H.T.'s/rushes/

2. Shipping tracking numbers:

559678763 / 7 / 691 / 696

- | | | | |
|---|------------|----|------------|
| 3. Do the number of bottles received agree with the COC? | <u>Yes</u> | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <u>Yes</u> | No | |
| 5. Were sample custody seals intact? | Yes | No | <u>N/A</u> |

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

- | | | | |
|---|------------|-----------|------------|
| 1. Were all requested analyses understood and acceptable? | <u>Yes</u> | No | |
| 2. Did bottle labels correspond with the client's ID's? | <u>Yes</u> | No | |
| 3. Were all bottles requiring sample preservation properly preserved?
<small>[Exception: Oil & Grease, VOA and CrVI verified in lab]</small> | Yes | <u>No</u> | N/A |
| 4. VOAs checked for Headspace? | Yes | No | <u>N/A</u> |
| 5. Have rush or project due dates been checked and accepted? | Yes | No | <u>N/A</u> |
| 6. Were all analyses within holding times at time of receipt? | <u>Yes</u> | No | |

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CDA

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: N/A Phone Number:
Initiated By: CDA Date:

Problem: sample 1 was unpreserved due to nature
Resolution: will preserve in lab okay to proceed

2. Person Contacted:
Initiated By:
Problem:
Resolution:

(Please use the back of this sheet for additional co contacts)

(4019696)
Sentry Ag Service
VI 2344346

iv 06/28/2023 11:43:12



VI 2344346