

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:** LK Ranches

Physical address of dairy:

29007 Road 56

Number and Street

Visalia

Tulare

93277

City

County

Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1950

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X073-0120-X010-0000

**B. OPERATORS**

Lawrence, Steve

Operator name: Lawrence, Steve

Telephone no.: (559) 280-1911

Landline

Cellular

29007 Road 56

Mailing Address Number and Street

Visalia

CA

93277

City

State

Zip Code

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

**C. OWNERS**

Lawrence, Steve

Legal owner name: Lawrence, Steve

Telephone no.: (559) 280-1911

Landline

Cellular

29007 Road 56

Mailing Address Number and Street

Visalia

CA

93277

City

State

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	0	0	0	0
Number under roof	165	0	0	0	0	0
Maximum number	189	0	0	0	0	0
Average number	165	0	0	0	0	0
Avg live weight (lbs)	1,400	0	0	0		

Predominant milk cow breed: HolsteinAverage milk production: 70 pounds per cow per day**B. MANURE GENERATED**Total manure excreted by the herd: 4,232.50 tons per reporting periodTotal nitrogen from manure: 55,337.72 lbs per reporting periodAfter ammonia losses (30% loss applied): 38,736.40 lbs per reporting periodTotal phosphorus from manure: 9,368.34 lbs per reporting periodTotal potassium from manure: 31,599.02 lbs per reporting periodTotal salt from manure: 77,690.25 lbs per reporting period**C. PROCESS WASTEWATER GENERATED**Process wastewater generated: 25,701,000 gallonsTotal nitrogen generated: 68,380.37 lbs

$$\begin{array}{r}
 25,701,000 \text{ gallons applied} \\
 + \quad \quad \quad 0 \text{ gallons exported} \\
 - \quad \quad \quad 0 \text{ gallons imported} \\
 = \quad \quad \quad 25,701,000 \text{ gallons generated}
 \end{array}$$

Total phosphorus generated: 4,996.83 lbsTotal potassium generated: 32,574.79 lbsTotal salt generated: 247,217.40 lbs**D. FRESH WATER SOURCES**

Source Description	Type
1	Ground water
11	Ground water
12	Ground water
14	Ground water
17	Ground water

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

Source Description	Type
18	Ground water
20	Ground water
21	Ground water
22	Ground water
23	Ground water
24	Ground water
26	Ground water
3	Ground water
30	Ground water
33	Ground water
35	Ground water
36	Ground water
5	Ground water
6	Ground water
7	Ground water
8	Ground water
Big Barn	Ground water
Canal	Surface water
Canal 2	Surface water
LK Dairy	Ground water
New Big Barn	Ground water
New Feedlot Pressure	Ground water
Steve House	Ground water
White Ranch	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.*

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

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

*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
1	112	112	1	manure	X118-0020-X021-0000
10	75	75	1	manure	X073-0120-X034-0000
11	73	73	1	none	X073-0130-X032-0000
12	63	63	1	process wastewater	X118-0010-X025-0000 X118-0010-X026-0000
13	112	112	1	process wastewater	X118-0010-X026-0000
14	72	72	1	process wastewater	X118-0010-X027-0000
15	97	97	1	process wastewater	X118-0010-X027-0000
16	74	74	1	none	X118-0010-X028-0000
17	74	74	1	both	X118-0010-X028-0000
18	25	25	1	both	X118-0010-X020-0000 X118-0010-X021-0000
19	37	37	1	none	X118-0010-X021-0000
2	75	75	1	manure	X073-0120-X033-0000
20	28	28	1	both	X016-0230-X002-0000
21	27	27	1	none	X016-0100-X024-0000
22	32	32	1	manure	X016-0100-X024-0000
23	38	38	1	manure	X016-0100-X027-0000
24	27	27	1	none	X016-0100-X025-0000
25	28	28	1	none	X016-0100-X022-0000
26	37	37	1	manure	X016-0100-X015-0000
27	118	118	1	manure	X118-0020-X021-0000 X118-0020-X028-0000
28	74	74	1	both	X073-0012-X027-0000
29	76	76	1	none	X073-0012-X027-0000
3	75	75	1	manure	X073-0120-X033-0000
30	35	35	1	both	X073-0120-X036-0000
31	76	76	1	both	X073-0012-X018-0000
32	113	113	1	none	X118-0060-X002-0000
33	50	50	1	manure	X118-0060-X019-0000
34	100	100	1	manure	X118-0060-X019-0000
35	40	40	1	manure	X073-0120-X030-0000
4	61	61	1	process wastewater	X073-0012-X010-0000
5	83	83	1	both	X073-0012-X010-0000

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

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

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
6	73	73	1	none	X073-0120-X035-0000
7	76	76	1	both	X073-0120-X035-0000
8	78	78	1	both	X073-0120-X034-0000
9	76	76	1	both	X073-0120-X034-0000
Totals for areas that were used for application	1,782	1,782	26		
Totals for areas that were not used for application	528	528	9		
Land application area totals	2,310	2,310	35		

**B. CROPS AND HARVESTS**

1

Field name: 1

04/19/2023: Corn, silage

Crop: Corn, silage      Acres planted: 112      Plant date: 04/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/01/2023	3,340.96 ton	Dry-weight		62.0	15,560.00	2,610.00	20,800.00		9.50
	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)				
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00				
Total actual harvest content	29.83	352.76	59.17	471.55	2,153.73				

10

Field name: 10

04/26/2023: Corn Earlage

Crop: Corn Earlage      Acres planted: 75      Plant date: 04/26/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/10/2023	688.50 ton	Dry-weight		42.4	17,470.00	2,840.00	20,810.00		10.70
	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)				
Anticipated harvest content	7.20	57.60	10.80	47.52	0.00				
Total actual harvest content	9.18	184.75	30.03	220.07	1,131.56				

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***11**Field name: 11

02/23/2012: Walnuts

Crop: Walnuts

Acres planted: 73 Plant date: 02/23/2012

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	212.43 ton	Dry-weight		3.2	38,235.00	1,400.00	15,000.00		59.00
		Yield (tons/acre)				Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content		1.40				134.40	4.90	49.00	0.00
Total actual harvest content		2.91				215.41	7.89	84.51	3,323.92

**12**Field name: 12

12/01/2020: Alfalfa, hay

Crop: Alfalfa, hay

Acres planted: 63 Plant date: 12/01/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	569.52 ton	Dry-weight		6.5	32,600.00	3,560.00	30,200.00		9.70
		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	0.00
Total actual harvest content		9.04				551.10	60.18	510.52	1,639.77

**13**Field name: 13

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

13

11/29/2019: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 112      Plant date: 11/29/2019

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	1,020.32 <i>ton</i>	Dry-weight		6.7	41,100.00	3,520.00	24,700.00		10.90

	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	0.00
Total actual harvest content	9.11	698.67	59.84	419.88	1,852.92

14

Field name: 14

10/31/2018: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 72      Plant date: 10/31/2018

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	642.24 <i>ton</i>	Dry-weight		5.9	37,200.00	3,350.00	24,900.00		10.40

	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	0.00
Total actual harvest content	8.92	624.49	56.24	418.01	1,745.89

15

Field name: 15

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

15

04/18/2023: Corn, silage

Crop: Corn, silage      Acres planted: 97      Plant date: 04/18/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/04/2023	2,901.27 <i>ton</i>	Dry-weight		63.2	16,060.00	2,510.00	19,710.00		8.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.91	353.54	55.25	433.89	1,915.20

16

Field name: 16

04/27/2023: Corn Earlage

Crop: Corn Earlage      Acres planted: 74      Plant date: 04/27/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/10/2023	672.66 <i>ton</i>	Dry-weight		41.2	17,160.00	2,970.00	20,400.00		10.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	7.20	57.60	10.80	47.52	0.00
Total actual harvest content	9.09	183.44	31.75	218.07	1,165.19

17

Field name: 17

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***17**

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

Crop: Wheat, silage, soft dough      Acres planted: 74      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 (%)
05/28/2023	1,390.46 <i>ton</i>	Dry-weight		61.7	19,810.00	2,530.00	21,400.00		12.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	18.79	285.13	36.41	308.01	1,784.75

**18**Field name: 18

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

Crop: Wheat, silage, soft dough      Acres planted: 25      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 (%)
05/28/2023	470.50 <i>ton</i>	Dry-weight		62.1	18,870.00	2,580.00	20,100.00		12.00

	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	0.00
Total actual harvest content	18.82	269.19	36.81	286.74	1,711.87

**19**Field name: 19

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

19

12/04/2019: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 37      Plant date: 12/04/2019

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	326.71 <i>ton</i>	Dry-weight		6.2	40,800.00	3,810.00	25,600.00		9.70

	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	0.00
Total actual harvest content	8.83	675.86	63.11	424.07	1,606.81

2

Field name: 2

04/17/2023: Corn, silage

Crop: Corn, silage      Acres planted: 75      Plant date: 04/17/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/02/2023	2,229.00 <i>ton</i>	Dry-weight		62.1	15,940.00	2,980.00	20,400.00		8.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	168.00	42.00	184.80	0.00
Total actual harvest content	29.72	359.09	67.13	459.57	1,937.39

20

Field name: 20

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

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

20

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

Crop: Wheat, silage, soft dough Acres planted: 28 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 (%)
05/30/2023	528.64 <i>ton</i>	Dry-weight		61.5	17,670.00	2,050.00	17,900.00		11.50

	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	0.00
Total actual harvest content	18.88	256.88	29.80	260.22	1,671.82

21

Field name: 21

12/02/2020: Alfalfa, hay

Crop: Alfalfa, hay Acres planted: 27 Plant date: 12/02/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	240.03 <i>ton</i>	Dry-weight		11.4	35,900.00	3,250.00	33,100.00		10.10

	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	0.00
Total actual harvest content	8.89	565.54	51.20	521.43	1,591.06

22

Field name: 22

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

22

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

Crop: Wheat, silage, soft dough      Acres planted: 32      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 (%)
05/30/2023	603.84 <i>ton</i>	Dry-weight		61.3	18,250.00	2,530.00	21,400.00		12.00

	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	0.00
Total actual harvest content	18.87	266.55	36.95	312.56	1,752.65

23

Field name: 23

04/25/2023: Corn, silage

Crop: Corn, silage      Acres planted: 38      Plant date: 04/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/05/2023	1,123.60 <i>ton</i>	Dry-weight		61.6	16,600.00	2,960.00	20,060.00		8.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.57	376.96	67.22	455.53	1,907.52

24

Field name: 24

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

24

04/25/2023: Corn Earlage

Crop: Corn Earlage      Acres planted: 27      Plant date: 04/25/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/10/2023	247.86 ton	Dry-weight		41.5	17,200.00	2,770.00	20,300.00		10.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	7.20	57.60	10.80	47.52	0.00
Total actual harvest content	9.18	184.74	29.75	218.03	1,106.28

25

Field name: 25

12/02/2020: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 28      Plant date: 12/02/2020

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	249.48 ton	Dry-weight		8.7	32,500.00	2,920.00	29,100.00		10.50

	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	0.00
Total actual harvest content	8.91	528.76	47.51	473.45	1,708.31

26

Field name: 26

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

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

26

12/23/2022: Oats, hay

Crop: Oats, hay      Acres planted: 37      Plant date: 12/23/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/02/2023	183.15 ton	Dry-weight		6.2	25,476.00	4,260.00	19,100.00		17.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	160.00	26.00	132.00	0.00
Total actual harvest content	4.95	236.58	39.56	177.37	1,597.23

27

Field name: 27

12/26/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough      Acres planted: 118      Plant date: 12/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/31/2023	2,224.30 ton	Dry-weight		61.7	17,640.00	2,490.00	18,900.00		11.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.00	198.00	30.60	149.40	0.00
Total actual harvest content	18.85	254.71	35.95	272.90	1,588.30

28

Field name: 28

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

28

04/24/2023: Corn, silage

Crop: Corn, silage      Acres planted: 74      Plant date: 04/24/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/06/2023	2,202.24 <i>ton</i>	Dry-weight		63.1	15,610.00	2,840.00	20,800.00		8.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.76	342.84	62.37	456.83	1,844.88

29

Field name: 29

12/03/2022: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 76      Plant date: 12/03/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	545.68 <i>ton</i>	Dry-weight		7.6	36,600.00	2,370.00	13,400.00		9.70

	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	0.00
Total actual harvest content	7.18	485.63	31.45	177.80	1,287.06

3

Field name: 3

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

3

11/29/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough      Acres planted: 75      Plant date: 11/29/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/29/2023	1,416.75 <i>ton</i>	Dry-weight		61.3	18,260.00	2,140.00	20,000.00		11.90

	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	0.00
Total actual harvest content	18.89	266.98	31.29	292.42	1,739.88

30

Field name: 30

04/23/2023: Corn, silage

Crop: Corn, silage      Acres planted: 35      Plant date: 04/23/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/07/2023	1,047.55 <i>ton</i>	Dry-weight		62.4	15,490.00	2,960.00	20,900.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.93	348.64	66.62	470.40	2,025.66

31

Field name: 31

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

31

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

Crop: Wheat, silage, soft dough      Acres planted: 76      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 (%)
05/30/2023	1,419.68 <i>ton</i>	Dry-weight		61.3	18,560.00	2,230.00	19,300.00		12.00

	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	0.00
Total actual harvest content	18.68	268.35	32.24	279.05	1,735.00

32

Field name: 32

03/11/2017: Almond, in shell

Crop: Almond, in shell      Acres planted: 113      Plant date: 03/11/2017

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/09/2023	158.20 <i>ton</i>	Dry-weight		13.0	99,200.00	16,100.00	76,000.00		52.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	1.30	169.00	26.00	130.00	0.00
Total actual harvest content	1.40	241.65	39.22	185.14	1,278.90

33

Field name: 33

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

33

04/20/2023: Corn, silage

Crop: Corn, silage      Acres planted: 50      Plant date: 04/20/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/09/2023	1,475.00 <i>ton</i>	Dry-weight		61.3	15,890.00	2,740.00	20,600.00		8.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.50	362.82	62.56	470.36	2,032.14

34

Field name: 34

12/01/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough      Acres planted: 100      Plant date: 12/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/27/2023	1,883.00 <i>ton</i>	Dry-weight		61.9	19,280.00	2,500.00	18,600.00		11.90

	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	0.00
Total actual harvest content	18.83	276.64	35.87	266.88	1,707.47

35

Field name: 35

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

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

35

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

Crop: Wheat, silage, soft dough      Acres planted: 40      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 (%)
05/30/2023	714.78 ton	Dry-weight		61.0	19,220.00	2,270.00	19,300.00		11.90

	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	0.00
Total actual harvest content	17.87	267.89	31.64	269.01	1,658.65

4

Field name: 4

12/03/2021: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 61      Plant date: 12/03/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	549.61 ton	Dry-weight		6.2	38,800.00	3,750.00	25,500.00		9.00

	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	0.00
Total actual harvest content	9.01	655.83	63.39	431.02	1,521.25

5

Field name: 5

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***5**

04/21/2023: Corn, silage

Crop: Corn, silage      Acres planted: 83      Plant date: 04/21/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/02/2023	2,468.42 ton	Dry-weight		61.3	15,670.00	2,740.00	20,500.00		9.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.74	360.70	63.07	471.88	2,094.71

**6**Field name: 6

11/04/2019: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 73      Plant date: 11/04/2019

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
12/31/2023	655.54 ton	Dry-weight		6.4	37,600.00	3,690.00	26,800.00		10.30

	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	0.00
Total actual harvest content	8.98	632.08	62.03	450.52	1,731.49

**7**Field name: 7

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***7**

11/28/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough      Acres planted: 76      Plant date: 11/28/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/29/2023	1,438.68 <i>ton</i>	Dry-weight		60.0	19,220.00	2,460.00	19,700.00		11.60

	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	0.00
Total actual harvest content	18.93	291.07	37.25	298.34	1,756.70

**8**Field name: 8

04/22/2023: Corn, silage

Crop: Corn, silage      Acres planted: 78      Plant date: 04/22/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/02/2023	2,331.42 <i>ton</i>	Dry-weight		62.9	16,110.00	3,120.00	19,200.00		8.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.89	357.29	69.20	425.82	1,929.52

**9**Field name: 9

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

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

9

04/23/2023: Corn, silage

Crop: Corn, silage      Acres planted: 76      Plant date: 04/23/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/03/2023	2,267.08 <i>ton</i>	Dry-weight		61.9	16,400.00	2,830.00	19,810.00		8.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	29.83	372.78	64.33	450.29	1,886.63

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

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

**NUTRIENT BUDGET****A. LAND APPLICATIONS**

1 - 04/19/2023: Corn, silage

Field name: 1

Crop: Corn, silage

Plant date: 04/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
04/01/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	30.98	19,800,000.00 gal
Application event totals		0.00	0.00	0.00	30.98	
04/16/2023	Broadcast/incorporate	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
Corral Manure (LK)	Corral solids	275.64	34.41	340.91	0.00	900.00 ton
Application event totals		275.64	34.41	340.91	0.00	
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	26.47	16,920,000.00 gal
Application event totals		0.00	0.00	0.00	26.47	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
Canal	Surface water	0.00	0.00	0.00	25.91	16,560,000.00 gal
Application event totals		50.00	0.00	0.00	25.91	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	25.35	16,200,000.00 gal
Application event totals		0.00	0.00	0.00	25.35	

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

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

1 - 04/19/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
Canal	Surface water	0.00	0.00	0.00	24.22	15,480,000.00 gal
Application event totals		50.00	0.00	0.00	24.22	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	22.81	14,580,000.00 gal
Application event totals		0.00	0.00	0.00	22.81	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	21.69	13,860,000.00 gal
Application event totals		0.00	0.00	0.00	21.69	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	20.84	13,320,000.00 gal
Application event totals		0.00	0.00	0.00	20.84	

10 - 04/26/2023: Corn Earlage

Field name: 10

Crop: Corn Earlage

Plant date: 04/26/2023

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.*

10 - 04/26/2023: Corn Earlage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	2.04	0.00	0.00	78.73	6,552,000.00 gal
36	Ground water	1.13	0.00	0.00	98.94	7,800,000.00 gal
Application event totals		3.17	0.00	0.00	177.67	
04/22/2023	Broadcast/incorporate	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
Feedlot Manure (FL)	Corral solids	184.32	88.78	294.63	0.00	380.00 ton
Application event totals		184.32	88.78	294.63	0.00	
05/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.77	0.00	0.00	68.14	5,670,000.00 gal
36	Ground water	0.98	0.00	0.00	85.62	6,750,000.00 gal
Application event totals		2.74	0.00	0.00	153.75	
06/13/2023	Sidedress	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
24	Ground water	1.69	0.00	0.00	65.11	5,418,000.00 gal
36	Ground water	0.93	0.00	0.00	81.81	6,450,000.00 gal
Application event totals		2.62	0.00	0.00	146.92	
06/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.84	0.00	0.00	71.16	5,922,000.00 gal
36	Ground water	1.02	0.00	0.00	89.43	7,050,000.00 gal
Application event totals		2.86	0.00	0.00	160.59	

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

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

**10 - 04/26/2023: Corn Earlage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.65	0.00	0.00	63.59	5,292,000.00 gal
36	Ground water	0.91	0.00	0.00	79.91	6,300,000.00 gal
<b>Application event totals</b>		<b>2.56</b>	<b>0.00</b>	<b>0.00</b>	<b>143.50</b>	
07/13/2023	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
24	Ground water	1.61	0.00	0.00	62.08	5,166,000.00 gal
<b>Application event totals</b>		<b>1.61</b>	<b>0.00</b>	<b>0.00</b>	<b>62.08</b>	
07/23/2023	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
24	Ground water	1.77	0.00	0.00	68.14	5,670,000.00 gal
<b>Application event totals</b>		<b>1.77</b>	<b>0.00</b>	<b>0.00</b>	<b>68.14</b>	
08/02/2023	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
24	Ground water	1.53	0.00	0.00	59.05	4,914,000.00 gal
36	Ground water	0.85	0.00	0.00	74.20	5,850,000.00 gal
<b>Application event totals</b>		<b>2.38</b>	<b>0.00</b>	<b>0.00</b>	<b>133.25</b>	

**11 - 02/23/2012: Walnuts**

Field name: 11

Crop: Walnuts

Plant date: 02/23/2012

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.*

11 - 02/23/2012: Walnuts

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/22/2023	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
14	Ground water	27.76	0.00	0.00	386.18	11,040,000.00 gal
Application event totals		27.76	0.00	0.00	386.18	
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
14	Ground water	26.56	0.00	0.00	369.39	10,560,000.00 gal
Application event totals		26.56	0.00	0.00	369.39	
06/07/2023	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
14	Ground water	27.16	0.00	0.00	377.79	10,800,000.00 gal
Application event totals		27.16	0.00	0.00	377.79	
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
14	Ground water	25.35	0.00	0.00	352.60	10,080,000.00 gal
Application event totals		25.35	0.00	0.00	352.60	
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
14	Ground water	25.65	0.00	0.00	356.80	10,200,000.00 gal
Application event totals		25.65	0.00	0.00	356.80	
07/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
14	Ground water	24.75	0.00	0.00	344.21	9,840,000.00 gal
Application event totals		24.75	0.00	0.00	344.21	

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

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

**11 - 02/23/2012: Walnuts**

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
14	Ground water	24.45	0.00	0.00	340.01	9,720,000.00 gal
Application event totals		24.45	0.00	0.00	340.01	
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
14	Ground water	24.14	0.00	0.00	335.81	9,600,000.00 gal
Application event totals		24.14	0.00	0.00	335.81	
11/28/2023	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
14	Ground water	22.63	0.00	0.00	314.82	9,000,000.00 gal
Application event totals		22.63	0.00	0.00	314.82	

**12 - 12/01/2020: Alfalfa, hay**

Field name: 12

Crop: Alfalfa, hay

Plant date: 12/01/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/17/2023	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
20	Ground water	7.66	0.00	0.00	226.37	4,128,000.00 gal
35	Ground water	2.31	0.00	0.00	102.52	6,450,000.00 gal
Application event totals		9.96	0.00	0.00	328.90	

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

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

12 - 12/01/2020: Alfalfa, hay

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
Wastewater (FL)	Process wastewater	51.53	4.58	24.21	175.49	972,000.00 gal
35	Ground water	2.90	0.00	0.00	128.75	8,100,000.00 gal
Application event totals		54.43	4.58	24.21	304.24	
06/11/2023	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
20	Ground water	7.48	0.00	0.00	221.11	4,032,000.00 gal
35	Ground water	2.25	0.00	0.00	100.14	6,300,000.00 gal
Application event totals		9.73	0.00	0.00	321.25	
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
20	Ground water	7.30	0.00	0.00	215.84	3,936,000.00 gal
35	Ground water	2.20	0.00	0.00	97.76	6,150,000.00 gal
Application event totals		9.50	0.00	0.00	313.60	
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
20	Ground water	7.35	0.00	0.00	217.33	3,963,000.00 gal
35	Ground water	2.20	0.00	0.00	97.76	6,150,000.00 gal
Application event totals		9.55	0.00	0.00	315.08	
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
20	Ground water	7.12	0.00	0.00	210.58	3,840,000.00 gal
35	Ground water	2.15	0.00	0.00	95.37	6,000,000.00 gal
Application event totals		9.27	0.00	0.00	305.95	

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

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

12 - 12/01/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/24/2023	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
20	Ground water	6.94	0.00	0.00	205.32	3,744,000.00 gal
35	Ground water	2.09	0.00	0.00	92.99	5,850,000.00 gal
Application event totals		9.04	0.00	0.00	298.30	
09/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	7.30	0.00	0.00	215.84	3,936,000.00 gal
35	Ground water	2.20	0.00	0.00	97.76	6,150,000.00 gal
Application event totals		9.50	0.00	0.00	313.60	
10/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	58.31	3.21	25.41	205.37	1,332,000.00 gal
20	Ground water	13.17	0.00	0.00	389.57	7,104,000.00 gal
Application event totals		71.48	3.21	25.41	594.95	

13 - 11/29/2019: Alfalfa, hay

Field name:	13	Plant date:	11/29/2019			
Crop:	Alfalfa, hay					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/19/2023	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
20	Ground water	7.91	0.00	0.00	233.94	7,584,000.00 gal
35	Ground water	2.38	0.00	0.00	105.95	11,850,000.00 gal
Application event totals		10.29	0.00	0.00	339.89	

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

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

13 - 11/29/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	7.21	0.00	0.00	213.21	6,912,000.00 gal
35	Ground water	2.17	0.00	0.00	96.56	10,800,000.00 gal
Application event totals		9.38	0.00	0.00	309.78	
06/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (LK)	Process wastewater	26.85	2.82	14.53	110.20	1,500,000.00 gal
20	Ground water	10.01	0.00	0.00	296.13	9,600,000.00 gal
35	Ground water	3.02	0.00	0.00	134.12	15,000,000.00 gal
Application event totals		39.88	2.82	14.53	540.44	
06/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.81	0.00	0.00	201.37	6,528,000.00 gal
35	Ground water	2.05	0.00	0.00	91.20	10,200,000.00 gal
Application event totals		8.86	0.00	0.00	292.57	
07/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.61	0.00	0.00	195.44	6,336,000.00 gal
35	Ground water	1.99	0.00	0.00	88.52	9,900,000.00 gal
Application event totals		8.60	0.00	0.00	283.96	
07/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.41	0.00	0.00	189.52	6,144,000.00 gal
35	Ground water	1.93	0.00	0.00	85.83	9,600,000.00 gal
Application event totals		8.34	0.00	0.00	275.36	

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

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

13 - 11/29/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
20	Ground water	6.21	0.00	0.00	183.60	5,952,000.00 gal
35	Ground water	1.87	0.00	0.00	83.15	9,300,000.00 gal
Application event totals		8.08	0.00	0.00	266.75	
09/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.31	0.00	0.00	186.56	6,048,000.00 gal
35	Ground water	1.90	0.00	0.00	84.49	9,450,000.00 gal
Application event totals		8.21	0.00	0.00	271.05	
10/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	24.01	1.32	10.46	84.56	975,000.00 gal
20	Ground water	6.51	0.00	0.00	192.48	6,240,000.00 gal
35	Ground water	1.96	0.00	0.00	87.18	9,750,000.00 gal
Application event totals		32.48	1.32	10.46	364.22	

14 - 10/31/2018: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	6.24	0.00	0.00	178.37	8,550,000.00 gal
5	Ground water	14.39	0.00	0.00	201.44	3,762,000.00 gal
Application event totals		20.63	0.00	0.00	379.82	

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

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

14 - 10/31/2018: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/18/2023	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
3	Ground water	6.02	0.00	0.00	172.12	8,250,000.00 gal
5	Ground water	13.88	0.00	0.00	194.38	3,630,000.00 gal
Application event totals		19.91	0.00	0.00	366.49	
06/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.59	0.00	0.00	159.60	7,650,000.00 gal
5	Ground water	12.87	0.00	0.00	180.24	3,366,000.00 gal
Application event totals		18.46	0.00	0.00	339.84	
06/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.91	0.00	0.00	168.99	8,100,000.00 gal
5	Ground water	13.63	0.00	0.00	190.84	3,564,000.00 gal
Application event totals		19.55	0.00	0.00	359.83	
07/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.80	0.00	0.00	165.86	7,950,000.00 gal
5	Ground water	13.38	0.00	0.00	187.31	3,498,000.00 gal
Application event totals		19.18	0.00	0.00	353.16	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.37	0.00	0.00	153.34	7,350,000.00 gal
Application event totals		5.37	0.00	0.00	153.34	

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

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

14 - 10/31/2018: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/14/2023	Shank	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	45.51	2.37	20.33	152.23	1,008,000.00 gal
3	Ground water	6.13	0.00	0.00	175.25	8,400,000.00 gal
Application event totals		51.64	2.37	20.33	327.47	
09/21/2023	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
3	Ground water	6.24	0.00	0.00	178.37	8,550,000.00 gal
5	Ground water	14.39	0.00	0.00	201.44	3,762,000.00 gal
Application event totals		20.63	0.00	0.00	379.82	
10/20/2023	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
3	Ground water	6.46	0.00	0.00	184.63	8,850,000.00 gal
5	Ground water	14.89	0.00	0.00	208.51	3,894,000.00 gal
Application event totals		21.36	0.00	0.00	393.15	

15 - 04/18/2023: Corn, silage

Field name: 15

Crop: Corn, silage

Plant date: 04/18/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/17/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	36.55	3.11	18.47	124.24	1,278,000.00 gal
3	Ground water	5.77	0.00	0.00	164.92	10,650,000.00 gal
5	Ground water	13.30	0.00	0.00	186.25	4,686,000.00 gal
Application event totals		55.62	3.11	18.47	475.41	

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

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

15 - 04/18/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/17/2023	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
3	Ground water	6.02	0.00	0.00	171.89	11,100,000.00 gal
5	Ground water	13.87	0.00	0.00	194.12	4,884,000.00 gal
Application event totals		19.88	0.00	0.00	366.01	
05/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.69	0.00	0.00	162.60	10,500,000.00 gal
5	Ground water	13.12	0.00	0.00	183.63	4,620,000.00 gal
Application event totals		18.81	0.00	0.00	346.23	
06/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	48.97	4.36	23.00	166.74	1,422,000.00 gal
3	Ground water	6.42	0.00	0.00	183.50	11,850,000.00 gal
5	Ground water	14.80	0.00	0.00	207.24	5,214,000.00 gal
Application event totals		70.19	4.36	23.00	557.49	
06/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.20	0.00	0.00	148.66	9,600,000.00 gal
5	Ground water	11.99	0.00	0.00	167.89	4,224,000.00 gal
Application event totals		17.20	0.00	0.00	316.55	
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	5.12	0.00	0.00	146.34	9,450,000.00 gal
5	Ground water	11.80	0.00	0.00	165.27	4,158,000.00 gal
Application event totals		16.93	0.00	0.00	311.60	

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

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

15 - 04/18/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/01/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	49.59	4.41	23.29	168.85	1,440,000.00 gal
3	Ground water	6.50	0.00	0.00	185.83	12,000,000.00 gal
<b>Application event totals</b>		<b>56.09</b>	<b>4.41</b>	<b>23.29</b>	<b>354.68</b>	
08/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	4.47	0.00	0.00	127.76	8,250,000.00 gal
5	Ground water	10.31	0.00	0.00	144.28	3,630,000.00 gal
<b>Application event totals</b>		<b>14.78</b>	<b>0.00</b>	<b>0.00</b>	<b>272.03</b>	
09/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
3	Ground water	4.06	0.00	0.00	116.14	7,500,000.00 gal
5	Ground water	9.37	0.00	0.00	131.16	3,300,000.00 gal
<b>Application event totals</b>		<b>13.43</b>	<b>0.00</b>	<b>0.00</b>	<b>247.30</b>	
12/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	50.15	2.76	21.85	176.65	1,764,000.00 gal
5	Ground water	18.36	0.00	0.00	257.08	6,468,000.00 gal
<b>Application event totals</b>		<b>68.51</b>	<b>2.76</b>	<b>21.85</b>	<b>433.73</b>	

16 - 04/27/2023: Corn Earlage

Field name: 16

Crop: Corn Earlage

Plant date: 04/27/2023

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.*

16 - 04/27/2023: Corn Earlage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
1	Ground water	15.41	0.00	0.00	323.63	5,256,000.00 gal
7	Ground water	14.82	0.00	0.00	337.85	5,256,000.00 gal
Application event totals		30.23	0.00	0.00	661.48	
04/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	10.34	0.00	0.00	217.23	3,528,000.00 gal
6	Ground water	10.28	0.00	0.00	157.15	2,940,000.00 gal
7	Ground water	9.95	0.00	0.00	226.78	3,528,000.00 gal
Application event totals		30.57	0.00	0.00	601.16	
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	9.29	0.00	0.00	195.06	3,168,000.00 gal
6	Ground water	9.23	0.00	0.00	141.12	2,640,000.00 gal
7	Ground water	8.93	0.00	0.00	203.64	3,168,000.00 gal
Application event totals		27.45	0.00	0.00	539.81	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	8.66	0.00	0.00	181.76	2,952,000.00 gal
6	Ground water	8.60	0.00	0.00	131.49	2,460,000.00 gal
7	Ground water	8.32	0.00	0.00	189.75	2,952,000.00 gal
Application event totals		25.58	0.00	0.00	503.01	

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

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

16 - 04/27/2023: Corn Earlage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	8.87	0.00	0.00	186.20	3,024,000.00 gal
6	Ground water	8.81	0.00	0.00	134.70	2,520,000.00 gal
7	Ground water	8.53	0.00	0.00	194.38	3,024,000.00 gal
Application event totals		26.20	0.00	0.00	515.28	
06/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
7	Ground water	19.69	0.00	0.00	448.92	6,984,000.00 gal
Application event totals		19.69	0.00	0.00	448.92	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	9.71	0.00	0.00	203.93	3,312,000.00 gal
6	Ground water	9.65	0.00	0.00	147.53	2,760,000.00 gal
7	Ground water	9.34	0.00	0.00	212.89	3,312,000.00 gal
Application event totals		28.70	0.00	0.00	564.35	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	9.08	0.00	0.00	190.63	3,096,000.00 gal
6	Ground water	9.02	0.00	0.00	137.91	2,580,000.00 gal
7	Ground water	8.73	0.00	0.00	199.01	3,096,000.00 gal
Application event totals		26.83	0.00	0.00	527.55	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	8.44	0.00	0.00	177.33	2,880,000.00 gal
6	Ground water	8.39	0.00	0.00	128.29	2,400,000.00 gal
7	Ground water	8.12	0.00	0.00	185.12	2,880,000.00 gal
Application event totals		24.95	0.00	0.00	490.74	

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

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

17 - 11/16/2022: Wheat, silage, soft dough

Field name: 17

Crop: Wheat, silage, soft dough

Plant date: 11/16/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/20/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	13.87	0.97	7.87	62.49	558,000.00 gal
1	Ground water	6.54	0.00	0.00	137.43	2,232,000.00 gal
6	Ground water	6.50	0.00	0.00	99.42	1,860,000.00 gal
7	Ground water	6.29	0.00	0.00	143.47	2,232,000.00 gal
Application event totals		33.21	0.97	7.87	442.81	
11/12/2022	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	181.89	87.61	290.75	0.00	370.00 ton
Application event totals		181.89	87.61	290.75	0.00	
01/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	8.66	0.00	0.00	181.76	2,952,000.00 gal
6	Ground water	8.60	0.00	0.00	131.49	2,460,000.00 gal
7	Ground water	8.32	0.00	0.00	189.75	2,952,000.00 gal
Application event totals		25.58	0.00	0.00	503.01	
04/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	31.78	2.22	18.02	143.11	1,278,000.00 gal
1	Ground water	14.99	0.00	0.00	314.76	5,112,000.00 gal
6	Ground water	14.89	0.00	0.00	227.71	4,260,000.00 gal
Application event totals		61.66	2.22	18.02	685.58	

18 - 11/15/2022: Wheat, silage, soft dough

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

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

18 - 11/15/2022: Wheat, silage, soft dough

Field name: 18

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	
10/21/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	11.25	0.00	0.00	236.20	1,296,000.00 gal
6	Ground water	11.18	0.00	0.00	170.88	1,080,000.00 gal
7	Ground water	10.82	0.00	0.00	246.58	1,296,000.00 gal
Application event totals		33.24	0.00	0.00	653.67	
11/12/2022	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	189.17	91.11	302.38	0.00	130.00 ton
Application event totals		189.17	91.11	302.38	0.00	
01/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	10.00	0.00	0.00	209.96	1,152,000.00 gal
6	Ground water	9.93	0.00	0.00	151.89	960,000.00 gal
7	Ground water	9.61	0.00	0.00	219.19	1,152,000.00 gal
Application event totals		29.55	0.00	0.00	581.04	
04/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	70.82	7.61	42.68	290.90	576,000.00 gal
7	Ground water	19.23	0.00	0.00	438.37	2,304,000.00 gal
Application event totals		90.04	7.61	42.68	729.28	

19 - 12/04/2019: Alfalfa, hay

Field name: 19

Crop: Alfalfa, hay

Plant date: 12/04/2019

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

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

19 - 12/04/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/17/2023	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
1	Ground water	13.09	0.00	0.00	274.86	2,232,000.00 gal
6	Ground water	13.00	0.00	0.00	198.85	1,860,000.00 gal
7	Ground water	12.59	0.00	0.00	286.94	2,232,000.00 gal
Application event totals		38.68	0.00	0.00	760.65	
05/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	11.82	0.00	0.00	248.26	2,016,000.00 gal
6	Ground water	11.75	0.00	0.00	179.60	1,680,000.00 gal
7	Ground water	11.37	0.00	0.00	259.17	2,016,000.00 gal
Application event totals		34.94	0.00	0.00	687.04	
06/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	10.56	0.00	0.00	221.66	1,800,000.00 gal
6	Ground water	10.49	0.00	0.00	160.36	1,500,000.00 gal
7	Ground water	10.15	0.00	0.00	231.40	1,800,000.00 gal
Application event totals		31.19	0.00	0.00	613.43	
06/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	12.24	0.00	0.00	257.13	2,088,000.00 gal
6	Ground water	12.17	0.00	0.00	186.02	1,740,000.00 gal
7	Ground water	11.77	0.00	0.00	268.43	2,088,000.00 gal
Application event totals		36.18	0.00	0.00	711.57	

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

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

19 - 12/04/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
7	Ground water	10.96	0.00	0.00	249.92	1,944,000.00 gal
1	Ground water	11.40	0.00	0.00	239.39	1,944,000.00 gal
6	Ground water	11.33	0.00	0.00	173.19	1,620,000.00 gal
Application event totals		33.69	0.00	0.00	662.50	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	9.71	0.00	0.00	203.93	1,656,000.00 gal
6	Ground water	9.65	0.00	0.00	147.53	1,380,000.00 gal
7	Ground water	9.34	0.00	0.00	212.89	1,656,000.00 gal
Application event totals		28.70	0.00	0.00	564.35	
08/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	10.98	0.00	0.00	230.53	1,872,000.00 gal
6	Ground water	10.91	0.00	0.00	166.77	1,560,000.00 gal
7	Ground water	10.56	0.00	0.00	240.66	1,872,000.00 gal
Application event totals		32.44	0.00	0.00	637.96	
09/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
1	Ground water	10.13	0.00	0.00	212.79	1,728,000.00 gal
6	Ground water	10.07	0.00	0.00	153.94	1,440,000.00 gal
7	Ground water	9.74	0.00	0.00	222.15	1,728,000.00 gal
Application event totals		29.94	0.00	0.00	588.89	

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

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

19 - 12/04/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/16/2023	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
1	Ground water	12.24	0.00	0.00	257.13	2,088,000.00 gal
6	Ground water	12.17	0.00	0.00	186.02	1,740,000.00 gal
7	Ground water	11.77	0.00	0.00	268.43	2,088,000.00 gal
Application event totals		36.18	0.00	0.00	711.57	

2 - 04/17/2023: Corn, silage

Field name: 2

Crop: Corn, silage

Plant date: 04/17/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/01/2023	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
11	Ground water	13.93	0.00	0.00	219.91	6,588,000.00 gal
33	Ground water	1.88	0.00	0.00	91.38	8,052,000.00 gal
Application event totals		15.81	0.00	0.00	311.29	
04/13/2023	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
Corral Manure (FL)	Corral solids	184.32	88.78	294.63	0.00	380.00 ton
Application event totals		184.32	88.78	294.63	0.00	
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
11	Ground water	11.42	0.00	0.00	155.02	5,400,000.00 gal
33	Ground water	1.54	0.00	0.00	74.90	6,600,000.00 gal
Application event totals		12.96	0.00	0.00	229.92	

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

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

2 - 04/17/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/07/2023	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
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
11	Ground water	10.27	0.00	0.00	139.52	4,860,000.00 gal
33	Ground water	1.39	0.00	0.00	67.41	5,940,000.00 gal
Application event totals		61.66	0.00	0.00	206.93	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
11	Ground water	9.59	0.00	0.00	130.21	4,536,000.00 gal
33	Ground water	1.30	0.00	0.00	62.92	5,544,000.00 gal
Application event totals		10.88	0.00	0.00	193.13	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
11	Ground water	9.13	0.00	0.00	124.01	4,320,000.00 gal
33	Ground water	1.23	0.00	0.00	59.92	5,280,000.00 gal
Application event totals		60.37	0.00	0.00	183.94	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
11	Ground water	8.68	0.00	0.00	117.81	4,104,000.00 gal
33	Ground water	1.17	0.00	0.00	56.93	5,016,000.00 gal
Application event totals		9.85	0.00	0.00	174.74	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
11	Ground water	8.45	0.00	0.00	114.71	3,996,000.00 gal
33	Ground water	1.14	0.00	0.00	55.43	4,884,000.00 gal
Application event totals		9.59	0.00	0.00	170.14	

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

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

2 - 04/17/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
11	Ground water	7.99	0.00	0.00	108.51	3,780,000.00 gal
33	Ground water	1.08	0.00	0.00	52.43	4,620,000.00 gal
Application event totals		9.07	0.00	0.00	160.95	

20 - 11/15/2022: Wheat, silage, soft dough

Field name: 20

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	
10/04/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	37.80	2.64	21.46	170.47	576,000.00 gal
21	Ground water	2.98	0.00	0.00	206.00	1,920,000.00 gal
23	Ground water	10.70	0.00	0.00	264.37	2,112,000.00 gal
Application event totals		51.48	2.64	21.46	640.84	
11/11/2022	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
Feedlot Manure (FL)	Corral solids	169.46	46.38	341.47	0.00	140.00 ton
Application event totals		169.46	46.38	341.47	0.00	
04/01/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	59.14	4.13	33.53	266.35	900,000.00 gal
21	Ground water	4.65	0.00	0.00	321.88	3,000,000.00 gal
Application event totals		63.79	4.13	33.53	588.23	

21 - 12/02/2020: Alfalfa, hay

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

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

21 - 12/02/2020: Alfalfa, hay

Field name: 21

Crop: Alfalfa, hay

Plant date: 12/02/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
04/17/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
21	Ground water	2.31	0.00	0.00	160.22 1,440,000.00 gal
22	Ground water	2.18	0.00	0.00	213.10 2,016,000.00 gal
23	Ground water	8.32	0.00	0.00	205.62 1,584,000.00 gal
Application event totals		12.82	0.00	0.00	578.94
05/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
20	Ground water	5.45	0.00	0.00	161.23 1,260,000.00 gal
22	Ground water	1.91	0.00	0.00	186.46 1,764,000.00 gal
23	Ground water	7.28	0.00	0.00	179.92 1,386,000.00 gal
Application event totals		14.64	0.00	0.00	527.60
06/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
21	Ground water	2.12	0.00	0.00	146.87 1,320,000.00 gal
22	Ground water	2.00	0.00	0.00	195.34 1,848,000.00 gal
23	Ground water	7.63	0.00	0.00	188.49 1,452,000.00 gal
Application event totals		11.75	0.00	0.00	530.70
06/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
21	Ground water	1.93	0.00	0.00	133.52 1,200,000.00 gal
22	Ground water	1.82	0.00	0.00	177.58 1,680,000.00 gal
23	Ground water	6.94	0.00	0.00	171.35 1,320,000.00 gal
Application event totals		10.68	0.00	0.00	482.45

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

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

21 - 12/02/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.74	0.00	0.00	120.17	1,080,000.00 gal
22	Ground water	1.64	0.00	0.00	159.82	1,512,000.00 gal
23	Ground water	6.24	0.00	0.00	154.22	1,188,000.00 gal
Application event totals		9.61	0.00	0.00	434.21	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.54	0.00	0.00	106.82	960,000.00 gal
22	Ground water	1.45	0.00	0.00	142.07	1,344,000.00 gal
23	Ground water	5.55	0.00	0.00	137.08	1,056,000.00 gal
Application event totals		8.55	0.00	0.00	385.96	
08/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.93	0.00	0.00	133.52	1,200,000.00 gal
22	Ground water	1.82	0.00	0.00	177.58	1,680,000.00 gal
23	Ground water	6.94	0.00	0.00	171.35	1,320,000.00 gal
Application event totals		10.68	0.00	0.00	482.45	
09/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.03	0.00	0.00	140.20	1,260,000.00 gal
22	Ground water	1.91	0.00	0.00	186.46	1,764,000.00 gal
23	Ground water	7.28	0.00	0.00	179.92	1,386,000.00 gal
Application event totals		11.22	0.00	0.00	506.57	

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

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

21 - 12/02/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
10/16/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
21	Ground water	1.83	0.00	0.00	126.84
22	Ground water	1.73	0.00	0.00	168.70
23	Ground water	6.59	0.00	0.00	162.78
Application event totals		10.15	0.00	0.00	458.33

22 - 11/14/2022: Wheat, silage, soft dough

Field name: 22

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
10/20/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
21	Ground water	1.55	0.00	0.00	107.02
22	Ground water	1.46	0.00	0.00	142.34
23	Ground water	5.56	0.00	0.00	137.35
Application event totals		8.56	0.00	0.00	386.72
11/11/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Feedlot Manure (FL)	Corral solids	181.89	87.61	290.75	0.00
Application event totals		181.89	87.61	290.75	0.00

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

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

22 - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
21	Ground water	1.30	0.00	0.00	90.13	960,000.00 gal
22	Ground water	1.23	0.00	0.00	119.87	1,344,000.00 gal
23	Ground water	4.68	0.00	0.00	115.66	1,056,000.00 gal
Application event totals		57.21	0.00	0.00	325.66	
04/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.22	0.00	0.00	84.49	900,000.00 gal
22	Ground water	1.15	0.00	0.00	112.38	1,260,000.00 gal
23	Ground water	4.39	0.00	0.00	108.43	990,000.00 gal
Application event totals		6.76	0.00	0.00	305.30	

23 - 04/25/2023: Corn, silage

Field name: 23

Crop: Corn, silage

Plant date: 04/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/01/2023	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
21	Ground water	2.40	0.00	0.00	166.02	2,100,000.00 gal
22	Ground water	2.26	0.00	0.00	220.81	2,940,000.00 gal
23	Ground water	8.62	0.00	0.00	213.06	2,310,000.00 gal
Application event totals		13.28	0.00	0.00	599.89	

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

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

23 - 04/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/21/2023	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
Feedlot Manure (FL)	Corral solids	181.89	87.61	290.75	0.00	190.00 ton
Application event totals		181.89	87.61	290.75	0.00	
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.06	0.00	0.00	142.30	1,800,000.00 gal
22	Ground water	1.94	0.00	0.00	189.26	2,520,000.00 gal
23	Ground water	7.39	0.00	0.00	182.62	1,980,000.00 gal
Application event totals		11.38	0.00	0.00	514.19	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
21	Ground water	1.64	0.00	0.00	113.84	1,440,000.00 gal
22	Ground water	1.55	0.00	0.00	151.41	2,016,000.00 gal
23	Ground water	5.91	0.00	0.00	146.10	1,584,000.00 gal
Application event totals		59.11	0.00	0.00	411.35	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.78	0.00	0.00	123.33	1,560,000.00 gal
22	Ground water	1.68	0.00	0.00	164.03	2,184,000.00 gal
23	Ground water	6.41	0.00	0.00	158.27	1,716,000.00 gal
Application event totals		9.87	0.00	0.00	445.63	

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

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

23 - 04/25/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
21	Ground water	1.64	0.00	0.00	113.84	1,440,000.00 gal
22	Ground water	1.55	0.00	0.00	151.41	2,016,000.00 gal
23	Ground water	5.91	0.00	0.00	146.10	1,584,000.00 gal
Application event totals		59.11	0.00	0.00	411.35	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.58	0.00	0.00	109.10	1,380,000.00 gal
22	Ground water	1.48	0.00	0.00	145.10	1,932,000.00 gal
23	Ground water	5.67	0.00	0.00	140.01	1,518,000.00 gal
Application event totals		8.73	0.00	0.00	394.21	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.71	0.00	0.00	118.59	1,500,000.00 gal
22	Ground water	1.61	0.00	0.00	157.72	2,100,000.00 gal
23	Ground water	6.16	0.00	0.00	152.19	1,650,000.00 gal
Application event totals		9.49	0.00	0.00	428.49	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.64	0.00	0.00	113.84	1,440,000.00 gal
22	Ground water	1.55	0.00	0.00	151.41	2,016,000.00 gal
23	Ground water	5.91	0.00	0.00	146.10	1,584,000.00 gal
Application event totals		9.11	0.00	0.00	411.35	

24 - 04/25/2023: Corn Earlage

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

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

24 - 04/25/2023: Corn Earlage

Field name: 24

Crop: Corn Earlage

Plant date: 04/25/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.22	0.00	0.00	153.55	1,380,000.00 gal
22	Ground water	2.09	0.00	0.00	204.22	1,932,000.00 gal
23	Ground water	7.98	0.00	0.00	197.05	1,518,000.00 gal
Application event totals		12.28	0.00	0.00	554.82	
05/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.03	0.00	0.00	140.20	1,260,000.00 gal
22	Ground water	1.91	0.00	0.00	186.46	1,764,000.00 gal
23	Ground water	7.28	0.00	0.00	179.92	1,386,000.00 gal
Application event totals		11.22	0.00	0.00	506.57	
06/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
21	Ground water	1.83	0.00	0.00	126.84	1,140,000.00 gal
22	Ground water	1.73	0.00	0.00	168.70	1,596,000.00 gal
23	Ground water	6.59	0.00	0.00	162.78	1,254,000.00 gal
Application event totals		60.15	0.00	0.00	458.33	
06/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.74	0.00	0.00	120.17	1,080,000.00 gal
22	Ground water	1.64	0.00	0.00	159.82	1,512,000.00 gal
23	Ground water	6.24	0.00	0.00	154.22	1,188,000.00 gal
Application event totals		9.61	0.00	0.00	434.21	

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

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

24 - 04/25/2023: Corn Earlage

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
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
21	Ground water	1.64	0.00	0.00	113.49	1,020,000.00 gal
22	Ground water	1.54	0.00	0.00	150.94	1,428,000.00 gal
23	Ground water	5.90	0.00	0.00	145.65	1,122,000.00 gal
Application event totals		59.08	0.00	0.00	410.08	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.54	0.00	0.00	106.82	960,000.00 gal
22	Ground water	1.45	0.00	0.00	142.07	1,344,000.00 gal
23	Ground water	5.55	0.00	0.00	137.08	1,056,000.00 gal
Application event totals		8.55	0.00	0.00	385.96	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.64	0.00	0.00	113.49	1,020,000.00 gal
22	Ground water	1.54	0.00	0.00	150.94	1,428,000.00 gal
23	Ground water	5.90	0.00	0.00	145.65	1,122,000.00 gal
Application event totals		9.08	0.00	0.00	410.08	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.35	0.00	0.00	93.46	840,000.00 gal
22	Ground water	1.27	0.00	0.00	124.31	1,176,000.00 gal
23	Ground water	4.85	0.00	0.00	119.95	924,000.00 gal
Application event totals		7.48	0.00	0.00	337.72	

25 - 12/02/2020: Alfalfa, hay

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

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

25 - 12/02/2020: Alfalfa, hay

Field name: 25

Crop: Alfalfa, hay

Plant date: 12/02/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.42	0.00	0.00	167.38	1,560,000.00 gal
22	Ground water	2.28	0.00	0.00	222.61	2,184,000.00 gal
23	Ground water	8.69	0.00	0.00	214.80	1,716,000.00 gal
Application event totals		13.39	0.00	0.00	604.79	
05/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.23	0.00	0.00	154.50	1,440,000.00 gal
22	Ground water	2.10	0.00	0.00	205.49	2,016,000.00 gal
23	Ground water	8.03	0.00	0.00	198.28	1,584,000.00 gal
Application event totals		12.36	0.00	0.00	558.27	
06/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.14	0.00	0.00	148.06	1,380,000.00 gal
22	Ground water	2.02	0.00	0.00	196.93	1,932,000.00 gal
23	Ground water	7.69	0.00	0.00	190.02	1,518,000.00 gal
Application event totals		11.85	0.00	0.00	535.01	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	2.05	0.00	0.00	141.63	1,320,000.00 gal
22	Ground water	1.93	0.00	0.00	188.36	1,848,000.00 gal
23	Ground water	7.36	0.00	0.00	181.75	1,452,000.00 gal
Application event totals		11.33	0.00	0.00	511.74	

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

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

25 - 12/02/2020: Alfalfa, hay

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
21	Ground water	1.95	0.00	0.00	135.19	1,260,000.00 gal
22	Ground water	1.84	0.00	0.00	179.80	1,764,000.00 gal
23	Ground water	7.02	0.00	0.00	173.49	1,386,000.00 gal
Application event totals		10.82	0.00	0.00	488.48	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.67	0.00	0.00	115.88	1,080,000.00 gal
22	Ground water	1.58	0.00	0.00	154.12	1,512,000.00 gal
23	Ground water	6.02	0.00	0.00	148.71	1,188,000.00 gal
Application event totals		9.27	0.00	0.00	418.70	
08/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.58	0.00	0.00	109.44	1,020,000.00 gal
22	Ground water	1.49	0.00	0.00	145.55	1,428,000.00 gal
23	Ground water	5.68	0.00	0.00	140.45	1,122,000.00 gal
Application event totals		8.76	0.00	0.00	395.44	
09/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
21	Ground water	1.49	0.00	0.00	103.00	960,000.00 gal
22	Ground water	1.40	0.00	0.00	136.99	1,344,000.00 gal
23	Ground water	5.35	0.00	0.00	132.18	1,056,000.00 gal
Application event totals		8.24	0.00	0.00	372.18	

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

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

25 - 12/02/2020: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
10/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
21	Ground water	1.67	0.00	0.00	115.88
22	Ground water	1.58	0.00	0.00	154.12
23	Ground water	6.02	0.00	0.00	148.71
Application event totals		9.27	0.00	0.00	418.70

26 - 12/23/2022: Oats, hay

Field name: 26

Crop: Oats, hay

Plant date: 12/23/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
12/03/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
26	Ground water	55.93	0.00	0.00	727.05
Application event totals		55.93	0.00	0.00	727.05
11/27/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Corral Manure (LK)	Corral solids	186.81	89.98	298.61	0.00
Application event totals		186.81	89.98	298.61	0.00
04/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
26	Ground water	53.20	0.00	0.00	691.58
Application event totals		53.20	0.00	0.00	691.58

27 - 12/26/2022: Wheat, silage, soft dough

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

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

27 - 12/26/2022: Wheat, silage, soft dough

Field name: 27

Crop: Wheat, silage, soft dough

Plant date: 12/26/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/02/2022	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
12	Ground water	2.04	0.00	0.00	175.67	18,000,000.00 gal
Application event totals		2.04	0.00	0.00	175.67	
12/22/2022	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	289.79	139.58	463.23	0.00	940.00 ton
Application event totals		289.79	139.58	463.23	0.00	
04/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
12	Ground water	2.00	0.00	0.00	172.74	17,700,000.00 gal
Application event totals		2.00	0.00	0.00	172.74	

28 - 04/24/2023: Corn, silage

Field name: 28

Crop: Corn, silage

Plant date: 04/24/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/07/2023	Surface (irrigation)	No precipitation		No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	38.13	4.10	22.98	156.63	918,000.00 gal
20	Ground water	7.25	0.00	0.00	214.29	4,590,000.00 gal
35	Ground water	2.33	0.00	0.00	103.52	7,650,000.00 gal
Application event totals		47.71	4.10	22.98	474.45	

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

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

28 - 04/24/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/01/2023	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
20	Ground water	6.54	0.00	0.00	193.28	4,140,000.00 gal
35	Ground water	2.10	0.00	0.00	93.37	6,900,000.00 gal
Application event totals		8.64	0.00	0.00	286.66	
04/21/2023	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	181.89	87.61	290.75	0.00	370.00 ton
Application event totals		181.89	87.61	290.75	0.00	
05/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	5.97	0.00	0.00	176.48	3,780,000.00 gal
35	Ground water	1.92	0.00	0.00	85.25	6,300,000.00 gal
Application event totals		7.89	0.00	0.00	261.73	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	5.54	0.00	0.00	163.87	3,510,000.00 gal
35	Ground water	1.78	0.00	0.00	79.16	5,850,000.00 gal
Application event totals		7.32	0.00	0.00	243.04	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	5.40	0.00	0.00	159.67	3,420,000.00 gal
35	Ground water	1.74	0.00	0.00	77.13	5,700,000.00 gal
Application event totals		7.13	0.00	0.00	236.80	

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

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

28 - 04/24/2023: 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
20	Ground water	4.97	0.00	0.00	147.06	3,150,000.00 gal
35	Ground water	1.60	0.00	0.00	71.05	5,250,000.00 gal
Application event totals		6.57	0.00	0.00	218.11	
07/09/2023	Shank	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
20	Ground water	5.12	0.00	0.00	151.27	3,240,000.00 gal
35	Ground water	1.64	0.00	0.00	73.08	5,400,000.00 gal
Application event totals		6.76	0.00	0.00	224.34	
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	63.25	3.30	28.26	211.59	1,440,000.00 gal
20	Ground water	11.37	0.00	0.00	336.15	7,200,000.00 gal
Application event totals		74.62	3.30	28.26	547.74	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	4.69	0.00	0.00	138.66	2,970,000.00 gal
35	Ground water	1.51	0.00	0.00	66.99	4,950,000.00 gal
Application event totals		6.20	0.00	0.00	205.65	

29 - 12/03/2022: Alfalfa, hay

Field name: 29

Crop: Alfalfa, hay

Plant date: 12/03/2022

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.*

29 - 12/03/2022: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/22/2023	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
20	Ground water	7.61	0.00	0.00	225.02	4,950,000.00 gal
35	Ground water	2.45	0.00	0.00	108.70	8,250,000.00 gal
Application event totals		10.06	0.00	0.00	333.72	
05/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	7.33	0.00	0.00	216.84	4,770,000.00 gal
35	Ground water	2.27	0.00	0.00	100.80	7,650,000.00 gal
Application event totals		9.60	0.00	0.00	317.63	
06/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.78	0.00	0.00	200.47	4,410,000.00 gal
35	Ground water	2.18	0.00	0.00	96.85	7,350,000.00 gal
Application event totals		8.96	0.00	0.00	297.32	
06/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.64	0.00	0.00	196.38	4,320,000.00 gal
35	Ground water	2.13	0.00	0.00	94.87	7,200,000.00 gal
Application event totals		8.78	0.00	0.00	291.25	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.64	0.00	0.00	196.38	4,320,000.00 gal
35	Ground water	2.13	0.00	0.00	94.87	7,200,000.00 gal
Application event totals		8.78	0.00	0.00	291.25	

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

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

29 - 12/03/2022: Alfalfa, hay

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
20	Ground water	5.95	0.00	0.00	175.92	3,870,000.00 gal
35	Ground water	1.91	0.00	0.00	84.99	6,450,000.00 gal
Application event totals		7.86	0.00	0.00	260.91	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.09	0.00	0.00	180.01	3,960,000.00 gal
35	Ground water	1.96	0.00	0.00	86.96	6,600,000.00 gal
Application event totals		8.04	0.00	0.00	266.98	
09/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.23	0.00	0.00	184.11	4,050,000.00 gal
35	Ground water	2.00	0.00	0.00	88.94	6,750,000.00 gal
Application event totals		8.23	0.00	0.00	273.05	
10/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
20	Ground water	6.36	0.00	0.00	188.20	4,140,000.00 gal
35	Ground water	2.05	0.00	0.00	90.92	6,900,000.00 gal
Application event totals		8.41	0.00	0.00	279.11	

3 - 11/29/2022: Wheat, silage, soft dough

Field name: 3

Crop: Wheat, silage, soft dough

Plant date: 11/29/2022

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.*

3 - 11/29/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/05/2022	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
11	Ground water	9.59	0.00	0.00	130.21	4,536,000.00 gal
33	Ground water	1.47	0.00	0.00	71.50	6,300,000.00 gal
Application event totals		11.06	0.00	0.00	201.71	
11/26/2022	Broadcast/incorporate	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
Corral Manure (LK)	Corral solids	184.32	88.78	294.63	0.00	380.00 ton
Application event totals		184.32	88.78	294.63	0.00	
01/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
11	Ground water	8.45	0.00	0.00	114.71	3,996,000.00 gal
33	Ground water	1.30	0.00	0.00	62.99	5,550,000.00 gal
Application event totals		59.74	0.00	0.00	177.70	
04/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
11	Ground water	7.53	0.00	0.00	102.31	3,564,000.00 gal
33	Ground water	1.16	0.00	0.00	56.18	4,950,000.00 gal
Application event totals		8.69	0.00	0.00	158.49	

30 - 04/23/2023: Corn, silage

Field name: 30

Crop: Corn, silage

Plant date: 04/23/2023

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.*

30 - 04/23/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/09/2023	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
Wastewater (FL)	Process wastewater	50.52	5.30	27.34	207.35	882,000.00 gal
17	Ground water	13.32	0.00	0.00	193.47	2,940,000.00 gal
Application event totals		63.84	5.30	27.34	400.82	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	10.06	0.00	0.00	146.09	2,220,000.00 gal
18	Ground water	22.23	0.00	0.00	333.47	3,330,000.00 gal
Application event totals		32.29	0.00	0.00	479.56	
04/17/2023	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	187.09	90.11	299.06	0.00	180.00 ton
Application event totals		187.09	90.11	299.06	0.00	
05/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	10.33	0.00	0.00	150.04	2,280,000.00 gal
18	Ground water	22.83	0.00	0.00	342.48	3,420,000.00 gal
Application event totals		33.16	0.00	0.00	492.52	
06/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	9.79	0.00	0.00	142.14	2,160,000.00 gal
Application event totals		9.79	0.00	0.00	142.14	

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

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

30 - 04/23/2023: 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	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	10.06	0.00	0.00	146.09	2,220,000.00 gal
18	Ground water	22.23	0.00	0.00	333.47	3,330,000.00 gal
Application event totals		32.29	0.00	0.00	479.56	
06/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	9.51	0.00	0.00	138.19	2,100,000.00 gal
18	Ground water	21.03	0.00	0.00	315.44	3,150,000.00 gal
Application event totals		30.54	0.00	0.00	453.63	
07/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
18	Ground water	19.83	0.00	0.00	297.42	2,970,000.00 gal
Application event totals		19.83	0.00	0.00	297.42	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	8.70	0.00	0.00	126.35	1,920,000.00 gal
18	Ground water	19.23	0.00	0.00	288.40	2,880,000.00 gal
Application event totals		27.92	0.00	0.00	414.75	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	8.43	0.00	0.00	122.40	1,860,000.00 gal
18	Ground water	18.63	0.00	0.00	279.39	2,790,000.00 gal
Application event totals		27.05	0.00	0.00	401.79	

31 - 11/12/2022: Wheat, silage, soft dough

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

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

31 - 11/12/2022: Wheat, silage, soft dough

Field name: 31

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	
10/20/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	8.14	0.00	0.00	118.19	3,900,000.00 gal
18	Ground water	17.99	0.00	0.00	269.79	5,850,000.00 gal
Application event totals		26.12	0.00	0.00	387.98	
11/09/2022	Broadcast/incorporate	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
Feed Lot (FL)	Corral solids	181.89	87.61	290.75	0.00	380.00 ton
Application event totals		181.89	87.61	290.75	0.00	
01/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	7.51	0.00	0.00	109.10	3,600,000.00 gal
18	Ground water	16.60	0.00	0.00	249.03	5,400,000.00 gal
Application event totals		24.11	0.00	0.00	358.13	
03/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	33.71	3.54	18.24	138.36	1,278,000.00 gal
18	Ground water	19.65	0.00	0.00	294.69	6,390,000.00 gal
Application event totals		53.36	3.54	18.24	433.05	

32 - 03/11/2017: Almond, in shell

Field name: 32

Crop: Almond, in shell

Plant date: 03/11/2017

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.*

32 - 03/11/2017: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/27/2023	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
30	Ground water	0.73	0.00	0.00	41.87	4,500,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	10.85	7,200,000.00 gal
Application event totals		0.73	0.00	0.00	52.72	
05/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.73	0.00	0.00	41.87	4,500,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	10.85	7,200,000.00 gal
Application event totals		0.73	0.00	0.00	52.72	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.78	0.00	0.00	44.66	4,800,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	11.57	7,680,000.00 gal
Application event totals		0.78	0.00	0.00	56.23	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.76	0.00	0.00	43.27	4,650,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	11.21	7,440,000.00 gal
Application event totals		0.76	0.00	0.00	54.48	
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.68	0.00	0.00	39.08	4,200,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	10.12	6,720,000.00 gal
Application event totals		0.68	0.00	0.00	49.21	

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

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

32 - 03/11/2017: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/02/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.66	0.00	0.00	37.69	4,050,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	9.76	6,480,000.00 gal
Application event totals		0.66	0.00	0.00	47.45	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.63	0.00	0.00	36.29	3,900,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	9.40	6,240,000.00 gal
Application event totals		0.63	0.00	0.00	45.69	
09/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.61	0.00	0.00	34.89	3,750,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	9.04	6,000,000.00 gal
Application event totals		0.61	0.00	0.00	43.93	
11/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.61	0.00	0.00	34.89	3,750,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	9.04	6,000,000.00 gal
Application event totals		0.61	0.00	0.00	43.93	

33 - 04/20/2023: Corn, silage

Field name: 33

Crop: Corn, silage

Plant date: 04/20/2023

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.*

33 - 04/20/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/01/2023	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
30	Ground water	1.27	0.00	0.00	72.55	3,450,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	18.79	5,520,000.00 gal
Application event totals		1.27	0.00	0.00	91.35	
04/15/2023	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	291.02	140.18	465.20	0.00	400.00 ton
Application event totals		291.02	140.18	465.20	0.00	
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	1.10	0.00	0.00	63.09	3,000,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	16.34	4,800,000.00 gal
Application event totals		1.10	0.00	0.00	79.43	
06/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
30	Ground water	1.05	0.00	0.00	59.93	2,850,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	15.53	4,560,000.00 gal
Application event totals		51.05	0.00	0.00	75.46	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.99	0.00	0.00	56.78	2,700,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	14.71	4,320,000.00 gal
Application event totals		0.99	0.00	0.00	71.49	

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

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

33 - 04/20/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
30	Ground water	0.88	0.00	0.00	50.47	2,400,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	13.07	3,840,000.00 gal
Application event totals		50.88	0.00	0.00	63.54	
07/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	1.05	0.00	0.00	59.93	2,850,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	15.53	4,560,000.00 gal
Application event totals		1.05	0.00	0.00	75.46	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.94	0.00	0.00	53.62	2,550,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	13.89	4,080,000.00 gal
Application event totals		0.94	0.00	0.00	67.52	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	0.88	0.00	0.00	50.47	2,400,000.00 gal
Canal 2	Surface water	0.00	0.00	0.00	9.67	2,840,000.00 gal
Application event totals		0.88	0.00	0.00	60.14	

34 - 12/01/2022: Wheat, silage, soft dough

Field name: 34

Crop: Wheat, silage, soft dough

Plant date: 12/01/2022

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.*

34 - 12/01/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/03/2022	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
30	Ground water	3.03	0.00	0.00	173.49	16,500,000.00 gal
Application event totals		3.03	0.00	0.00	173.49	
11/09/2022	Broadcast/incorporate	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
Feedlot Manure (FL)	Corral solids	233.90	92.40	310.57	0.00	500.00 ton
Application event totals		233.90	92.40	310.57	0.00	
04/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
30	Ground water	2.75	0.00	0.00	157.72	15,000,000.00 gal
Application event totals		2.75	0.00	0.00	157.72	

35 - 11/14/2022: Wheat, silage, soft dough

Field name: 35

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	
10/22/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	7.85	0.00	0.00	114.01	1,980,000.00 gal
18	Ground water	17.35	0.00	0.00	260.24	2,970,000.00 gal
Application event totals		25.20	0.00	0.00	374.25	
11/09/2022	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	222.21	87.78	295.04	0.00	190.00 ton
Application event totals		222.21	87.78	295.04	0.00	

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

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

35 - 11/14/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	7.13	0.00	0.00	103.64	1,800,000.00 gal
18	Ground water	15.77	0.00	0.00	236.58	2,700,000.00 gal
Application event totals		22.91	0.00	0.00	340.23	
03/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
17	Ground water	6.66	0.00	0.00	96.74	1,680,000.00 gal
18	Ground water	14.72	0.00	0.00	220.81	2,520,000.00 gal
Application event totals		21.38	0.00	0.00	317.54	

4 - 12/03/2021: Alfalfa, hay

Field name: 4

Crop: Alfalfa, hay

Plant date: 12/03/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.21	0.00	0.00	82.00	5,550,000.00 gal
24	Ground water	1.79	0.00	0.00	68.88	4,662,000.00 gal
Application event totals		3.00	0.00	0.00	150.88	
04/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.12	0.00	0.00	75.35	5,100,000.00 gal
24	Ground water	1.64	0.00	0.00	63.30	4,284,000.00 gal
Application event totals		2.76	0.00	0.00	138.65	

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

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

4 - 12/03/2021: Alfalfa, hay

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
8	Ground water	1.18	0.00	0.00	79.78	5,400,000.00 gal
24	Ground water	1.74	0.00	0.00	67.02	4,536,000.00 gal
Application event totals		2.92	0.00	0.00	146.80	
06/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.15	0.00	0.00	77.57	5,250,000.00 gal
24	Ground water	1.69	0.00	0.00	65.16	4,410,000.00 gal
Application event totals		2.84	0.00	0.00	142.72	
06/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.08	0.00	0.00	73.14	4,950,000.00 gal
24	Ground water	1.59	0.00	0.00	61.43	4,158,000.00 gal
Application event totals		2.68	0.00	0.00	134.57	
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.05	0.00	0.00	70.92	4,800,000.00 gal
24	Ground water	1.54	0.00	0.00	59.57	4,032,000.00 gal
Application event totals		2.60	0.00	0.00	130.49	
07/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.08	0.00	0.00	73.14	4,950,000.00 gal
24	Ground water	1.59	0.00	0.00	61.43	4,158,000.00 gal
Application event totals		2.68	0.00	0.00	134.57	

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

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

4 - 12/03/2021: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/24/2023	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
8	Ground water	1.05	0.00	0.00	70.92	4,800,000.00 gal
24	Ground water	1.54	0.00	0.00	59.57	4,032,000.00 gal
Application event totals		2.60	0.00	0.00	130.49	
11/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (LK)	Process wastewater	33.93	2.37	19.24	152.83	1,125,000.00 gal
24	Ground water	3.62	0.00	0.00	139.62	9,450,000.00 gal
Application event totals		37.55	2.37	19.24	292.45	

5 - 04/21/2023: Corn, silage

Field name: 5

Crop: Corn, silage

Plant date: 04/21/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (FL)	Process wastewater	53.03	2.76	19.16	159.20	1,314,000.00 gal
8	Ground water	1.76	0.00	0.00	118.90	10,950,000.00 gal
Application event totals		54.79	2.76	19.16	278.10	
04/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.11	0.00	0.00	74.92	6,900,000.00 gal
24	Ground water	1.63	0.00	0.00	62.94	5,796,000.00 gal
Application event totals		2.74	0.00	0.00	137.86	

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

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

5 - 04/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/17/2023	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
Corral Manure (FL)	Corral solids	184.08	88.67	294.25	0.00	420.00 ton
Application event totals		184.08	88.67	294.25	0.00	
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.04	0.00	0.00	70.04	6,450,000.00 gal
24	Ground water	1.53	0.00	0.00	58.83	5,418,000.00 gal
Application event totals		2.56	0.00	0.00	128.87	
06/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
8	Ground water	1.01	0.00	0.00	68.41	6,300,000.00 gal
24	Ground water	1.49	0.00	0.00	57.46	5,292,000.00 gal
Application event totals		52.50	0.00	0.00	125.87	
06/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	0.89	0.00	0.00	60.26	5,550,000.00 gal
24	Ground water	1.31	0.00	0.00	50.62	4,662,000.00 gal
Application event totals		2.21	0.00	0.00	110.89	
06/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
8	Ground water	0.80	0.00	0.00	53.75	4,950,000.00 gal
24	Ground water	1.17	0.00	0.00	45.15	4,158,000.00 gal
Application event totals		51.97	0.00	0.00	98.90	

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

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

5 - 04/21/2023: Corn, silage

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
8	Ground water	0.84	0.00	0.00	57.01	5,250,000.00 gal
24	Ground water	1.24	0.00	0.00	47.89	4,410,000.00 gal
Application event totals		2.09	0.00	0.00	104.89	
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (LK)	Process wastewater	32.12	1.40	13.18	101.67	1,140,000.00 gal
24	Ground water	2.70	0.00	0.00	103.98	9,576,000.00 gal
Application event totals		34.81	1.40	13.18	205.65	
07/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	0.72	0.00	0.00	48.86	4,500,000.00 gal
24	Ground water	1.06	0.00	0.00	41.05	3,780,000.00 gal
Application event totals		1.79	0.00	0.00	89.91	

6 - 11/04/2019: Alfalfa, hay

Field name:	6	Plant date:	11/04/2019			
Crop:	Alfalfa, hay					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/21/2023	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
8	Ground water	1.32	0.00	0.00	88.89	7,200,000.00 gal
24	Ground water	1.94	0.00	0.00	74.67	6,048,000.00 gal
Application event totals		3.25	0.00	0.00	163.56	

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

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

6 - 11/04/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/18/2023	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
8	Ground water	1.26	0.00	0.00	85.19	6,900,000.00 gal
24	Ground water	1.86	0.00	0.00	71.56	5,796,000.00 gal
Application event totals		3.12	0.00	0.00	156.75	
05/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.29	0.00	0.00	87.04	7,050,000.00 gal
24	Ground water	1.90	0.00	0.00	73.11	5,922,000.00 gal
Application event totals		3.19	0.00	0.00	160.15	
06/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.15	0.00	0.00	77.78	6,300,000.00 gal
24	Ground water	1.69	0.00	0.00	65.34	5,292,000.00 gal
Application event totals		2.85	0.00	0.00	143.12	
06/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.12	0.00	0.00	75.93	6,150,000.00 gal
24	Ground water	1.65	0.00	0.00	63.78	5,166,000.00 gal
Application event totals		2.78	0.00	0.00	139.71	
07/13/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.07	0.00	0.00	72.22	5,850,000.00 gal
24	Ground water	1.57	0.00	0.00	60.67	4,914,000.00 gal
Application event totals		2.64	0.00	0.00	132.89	

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

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

6 - 11/04/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/23/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.02	0.00	0.00	68.52	5,550,000.00 gal
24	Ground water	1.49	0.00	0.00	57.56	4,662,000.00 gal
Application event totals		2.51	0.00	0.00	126.08	
08/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	0.99	0.00	0.00	66.67	5,400,000.00 gal
24	Ground water	1.45	0.00	0.00	56.00	4,536,000.00 gal
Application event totals		2.44	0.00	0.00	122.67	
09/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
8	Ground water	1.04	0.00	0.00	70.37	5,700,000.00 gal
24	Ground water	1.53	0.00	0.00	59.11	4,788,000.00 gal
Application event totals		2.58	0.00	0.00	129.49	

7 - 11/28/2022: Wheat, silage, soft dough

Field name: 7

Crop: Wheat, silage, soft dough

Plant date: 11/28/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/25/2022	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
Wastewater (LK)	Process wastewater	18.07	1.54	9.13	61.42	495,000.00 gal
33	Ground water	1.00	0.00	0.00	48.79	4,356,000.00 gal
36	Ground water	0.71	0.00	0.00	61.96	4,950,000.00 gal
Application event totals		19.78	1.54	9.13	172.17	

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

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

7 - 11/28/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/25/2022	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
Corral Manure (LK)	Corral solids	291.98	140.64	466.73	0.00	610.00 ton
Application event totals		291.98	140.64	466.73	0.00	
01/03/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
33	Ground water	0.85	0.00	0.00	41.39	3,696,000.00 gal
36	Ground water	0.60	0.00	0.00	52.57	4,200,000.00 gal
Application event totals		1.45	0.00	0.00	93.97	
04/14/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
33	Ground water	0.82	0.00	0.00	39.92	3,564,000.00 gal
36	Ground water	0.58	0.00	0.00	50.70	4,050,000.00 gal
Application event totals		1.40	0.00	0.00	90.61	

8 - 04/22/2023: Corn, silage

Field name: 8

Crop: Corn, silage

Plant date: 04/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
01/31/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater (LK)	Process wastewater	22.44	1.20	8.35	72.27	765,000.00 gal
36	Ground water	1.06	0.00	0.00	93.30	7,650,000.00 gal
24	Ground water	1.92	0.00	0.00	74.25	6,426,000.00 gal
Application event totals		25.43	1.20	8.35	239.82	

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

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

8 - 04/22/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.74	0.00	0.00	66.97	5,796,000.00 gal
36	Ground water	0.96	0.00	0.00	84.16	6,900,000.00 gal
Application event totals		2.70	0.00	0.00	151.13	
04/17/2023	Broadcast/incorporate	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
Corral Manure (FL)	Corral solids	272.66	34.04	337.22	0.00	620.00 ton
Application event totals		272.66	34.04	337.22	0.00	
05/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.55	0.00	0.00	59.69	5,166,000.00 gal
36	Ground water	0.86	0.00	0.00	75.01	6,150,000.00 gal
Application event totals		2.40	0.00	0.00	134.70	
06/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.51	0.00	0.00	58.24	5,040,000.00 gal
36	Ground water	0.83	0.00	0.00	73.18	6,000,000.00 gal
Application event totals		2.34	0.00	0.00	131.41	
06/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.40	0.00	0.00	53.87	4,662,000.00 gal
36	Ground water	0.77	0.00	0.00	67.69	5,550,000.00 gal
Application event totals		2.17	0.00	0.00	121.56	

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

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

8 - 04/22/2023: 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
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
24	Ground water	1.32	0.00	0.00	50.96	4,410,000.00 gal
36	Ground water	0.73	0.00	0.00	64.03	5,250,000.00 gal
Application event totals		52.05	0.00	0.00	114.99	
07/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.13	0.00	0.00	43.68	3,780,000.00 gal
36	Ground water	0.63	0.00	0.00	54.88	4,500,000.00 gal
Application event totals		1.76	0.00	0.00	98.56	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.21	0.00	0.00	46.59	4,032,000.00 gal
36	Ground water	0.67	0.00	0.00	58.54	4,800,000.00 gal
Application event totals		1.88	0.00	0.00	105.13	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.09	0.00	0.00	42.22	3,654,000.00 gal
36	Ground water	0.61	0.00	0.00	53.05	4,350,000.00 gal
Application event totals		1.70	0.00	0.00	95.28	

9 - 04/23/2023: Corn, silage

Field name: 9

Crop: Corn, silage

Plant date: 04/23/2023

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.*

9 - 04/23/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/09/2023	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
Wastewater (FL)	Process wastewater	33.72	1.76	12.18	101.22	765,000.00 gal
24	Ground water	2.83	0.00	0.00	109.08	9,198,000.00 gal
Application event totals		36.55	1.76	12.18	210.29	
04/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.98	0.00	0.00	76.20	6,426,000.00 gal
36	Ground water	1.09	0.00	0.00	95.76	7,650,000.00 gal
Application event totals		3.07	0.00	0.00	171.96	
04/17/2023	Broadcast/incorporate	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
Feedlot Manure (FL)	Corral solids	233.90	92.40	310.57	0.00	380.00 ton
Application event totals		233.90	92.40	310.57	0.00	
05/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.74	0.00	0.00	67.24	5,670,000.00 gal
36	Ground water	0.96	0.00	0.00	84.49	6,750,000.00 gal
Application event totals		2.71	0.00	0.00	151.73	
06/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
24	Ground water	1.63	0.00	0.00	62.76	5,292,000.00 gal
36	Ground water	0.90	0.00	0.00	78.86	6,300,000.00 gal
Application event totals		52.53	0.00	0.00	141.62	

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

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

9 - 04/23/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/21/2023	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
24	Ground water	1.47	0.00	0.00	56.78	4,788,000.00 gal
36	Ground water	0.81	0.00	0.00	71.35	5,700,000.00 gal
Application event totals		2.29	0.00	0.00	128.13	
07/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
UN-32	Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
24	Ground water	1.36	0.00	0.00	52.30	4,410,000.00 gal
36	Ground water	0.75	0.00	0.00	65.72	5,250,000.00 gal
Application event totals		52.11	0.00	0.00	118.01	
07/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.39	0.00	0.00	53.79	4,536,000.00 gal
36	Ground water	0.77	0.00	0.00	67.59	5,400,000.00 gal
Application event totals		2.17	0.00	0.00	121.39	
07/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.28	0.00	0.00	49.31	4,158,000.00 gal
36	Ground water	0.71	0.00	0.00	61.96	4,950,000.00 gal
Application event totals		1.98	0.00	0.00	111.27	
07/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
24	Ground water	1.20	0.00	0.00	46.32	3,906,000.00 gal
36	Ground water	0.66	0.00	0.00	58.21	4,650,000.00 gal
Application event totals		1.86	0.00	0.00	104.53	

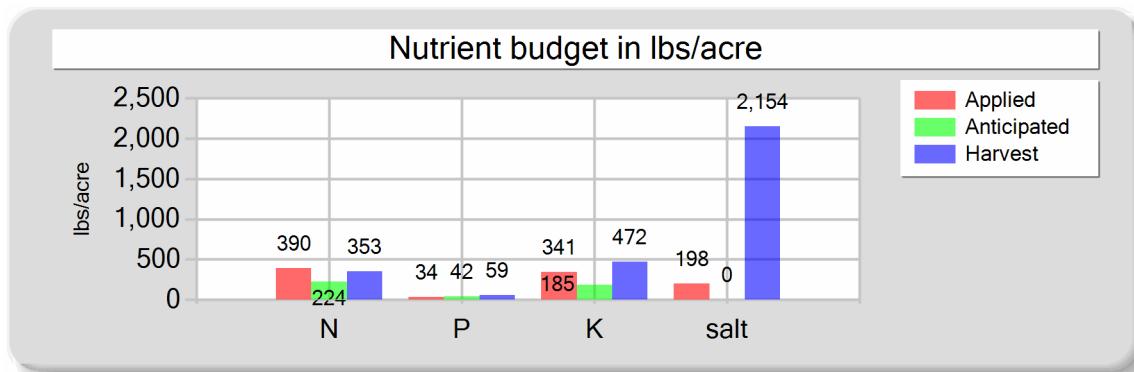
Annual Report - General Order No. R5-2007-0035

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

**B. NUTRIENT BUDGET**

1 - 04/19/2023: Corn, silage

Field name: 1      Crop: Corn, silage      Plant date: 04/19/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	100.00	0.00	0.00	0.00
Dry manure	275.64	34.41	340.91	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	198.28
Atmospheric deposition	14.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>389.64</b>	<b>34.41</b>	<b>340.91</b>	<b>198.28</b>
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	352.76	59.17	471.55	2,153.73
Nutrient balance	36.88	-24.76	-130.65	-1,955.45
Applied to removed ratio	1.10	0.58	0.72	0.09

Fresh water applied
126,720,000.00 gallons
4,666.67 acre-inches
41.67 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.

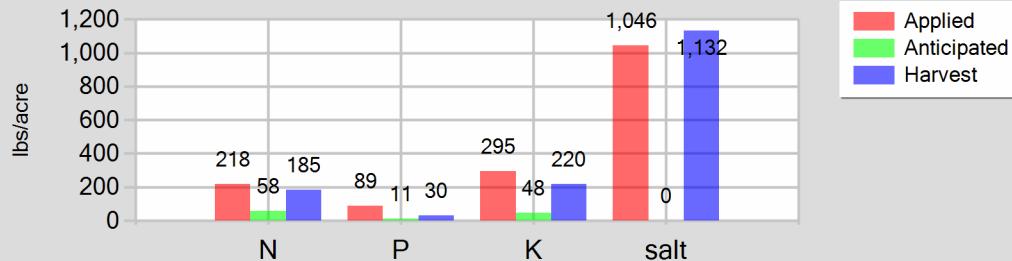
10 - 04/26/2023: Corn Earlage

Field name: 10

Crop: Corn Earlage

Plant date: 04/26/2023

**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	184.32	88.78	294.63	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	19.71	0.00	0.00	1,045.91
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	218.03	88.78	294.63	1,045.91
Anticipated crop nutrient removal	57.60	10.80	47.52	0.00
Actual crop nutrient removal	184.75	30.03	220.07	1,131.56
Nutrient balance	33.27	58.74	74.55	-85.65
Applied to removed ratio	1.18	2.96	1.34	0.92

**Fresh water applied**

84,804,000.00 gallons  
3,123.04 acre-inches  
41.64 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.*

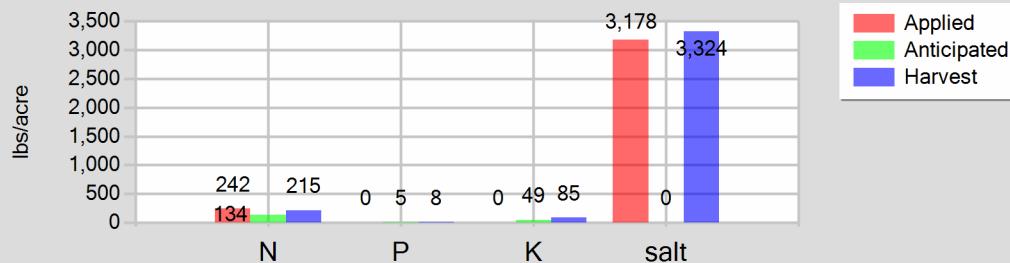
11 - 02/23/2012: Walnuts

Field name: 11

Crop: Walnuts

Plant date: 02/23/2012

**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	0.00	0.00	0.00	0.00
Fresh water	228.46	0.00	0.00	3,177.62
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	242.46	0.00	0.00	3,177.62
Anticipated crop nutrient removal	134.40	4.90	49.00	0.00
Actual crop nutrient removal	215.41	7.89	84.51	3,323.92
Nutrient balance	27.05	-7.89	-84.51	-146.30
Applied to removed ratio	1.13	0.00	0.00	0.96

**Fresh water applied**

90,840,000.00 *gallons*  
3,345.33 *acre-inches*  
45.83 *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.

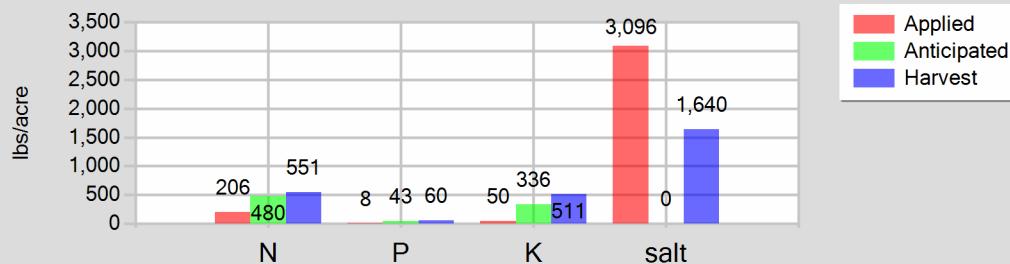
12 - 12/01/2020: Alfalfa, hay

Field name: 12

Crop: Alfalfa, hay

Plant date: 12/01/2020

**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	109.84	7.79	49.61	380.86
Fresh water	82.61	0.00	0.00	2,715.01
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	206.45	7.79	49.61	3,095.87
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	551.10	60.18	510.52	1,639.77
Nutrient balance	-344.65	-52.39	-460.91	1,456.10
Applied to removed ratio	0.37	0.13	0.10	1.89

**Fresh water applied**

85,833,000.00 gallons  
3,160.94 acre-inches  
50.17 inches/acre

**Process wastewater applied**

2,304,000.00 gallons  
84.85 acre-inches  
1.35 inches/acre

**Total harvests for the crop**

1 harvests

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

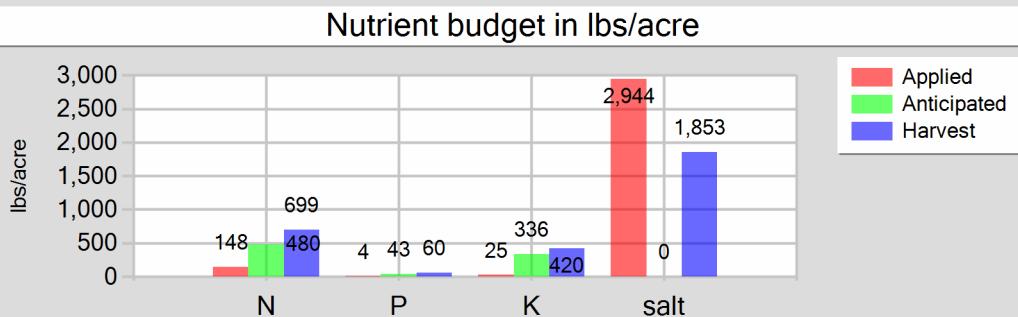
Reporting period 01/01/2023 to 12/31/2023.

13 - 11/29/2019: Alfalfa, hay

Field name: 13

Crop: Alfalfa, hay

Plant date: 11/29/2019



	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	50.86	4.14	24.99	194.76
Fresh water	83.27	0.00	0.00	2,749.26
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	148.13	4.14	24.99	2,944.02
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	698.67	59.84	419.88	1,852.92
Nutrient balance	-550.54	-55.70	-394.89	1,091.10
Applied to removed ratio	0.21	0.07	0.06	1.59

**Fresh water applied**

157,194,000.00 *gallons*  
5,788.92 *acre-inches*  
51.69 *inches/acre*

**Process wastewater applied**

2,475,000.00 *gallons*  
91.15 *acre-inches*  
0.81 *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.

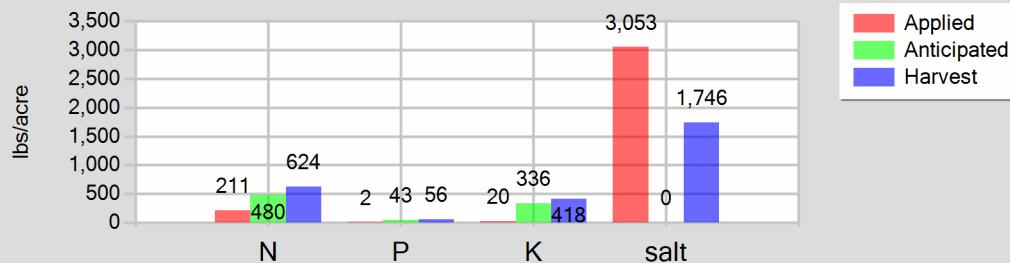
14 - 10/31/2018: Alfalfa, hay

Field name: 14

Crop: Alfalfa, hay

Plant date: 10/31/2018

**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	45.51	2.37	20.33	152.23
Fresh water	151.22	0.00	0.00	2,900.69
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	210.73	2.37	20.33	3,052.92
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	624.49	56.24	418.01	1,745.89
Nutrient balance	-413.77	-53.87	-397.68	1,307.02
Applied to removed ratio	0.34	0.04	0.05	1.75

**Fresh water applied**

99,126,000.00 *gallons*  
3,650.47 *acre-inches*  
50.70 *inches/acre*

**Process wastewater applied**

1,008,000.00 *gallons*  
37.12 *acre-inches*  
0.52 *inches/acre*

**Total harvests for the crop**

1 *harvests*

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

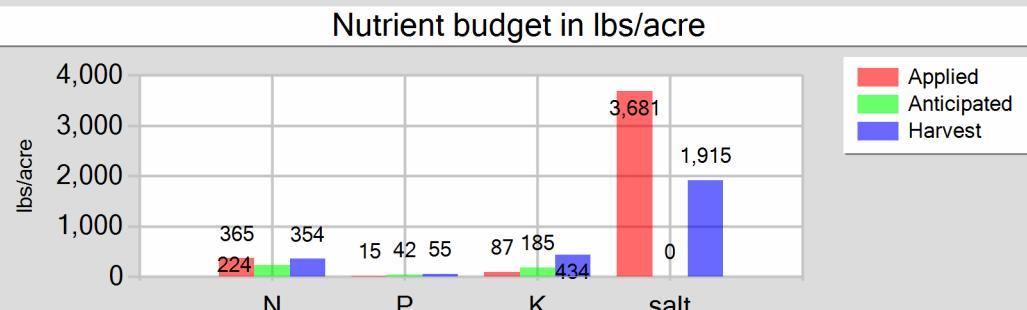
Reporting period 01/01/2023 to 12/31/2023.

15 - 04/18/2023: Corn, silage

Field name: 15

Crop: Corn, silage

Plant date: 04/18/2023



	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	185.25	14.64	86.61	636.49
Fresh water	166.19	0.00	0.00	3,044.55
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	365.44	14.64	86.61	3,681.04
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	353.54	55.25	433.89	1,915.20
Nutrient balance	11.90	-40.62	-347.28	1,765.84
Applied to removed ratio	1.03	0.26	0.20	1.92

**Fresh water applied**

132,084,000.00 *gallons*  
4,864.20 *acre-inches*  
50.15 *inches/acre*

**Process wastewater applied**

5,904,000.00 *gallons*  
217.42 *acre-inches*  
2.24 *inches/acre*

**Total harvests for the crop**

1 *harvests*

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

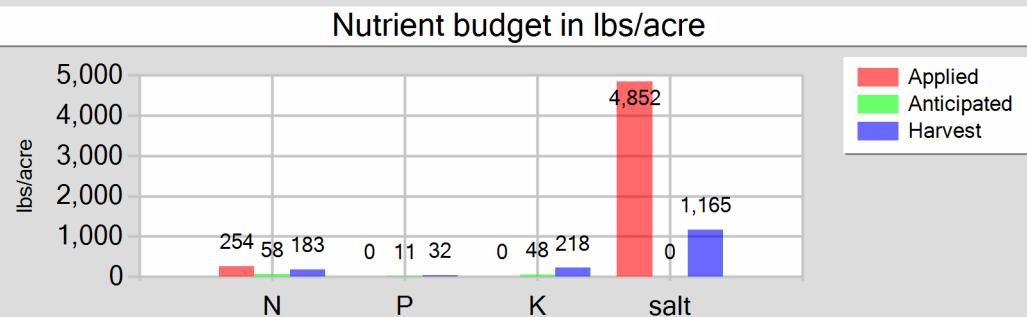
Reporting period 01/01/2023 to 12/31/2023.

16 - 04/27/2023: Corn Earlage

Field name: 16

Crop: Corn Earlage

Plant date: 04/27/2023



	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	0.00	0.00	0.00	0.00
Fresh water	240.19	0.00	0.00	4,852.29
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	254.19	0.00	0.00	4,852.29
Anticipated crop nutrient removal	57.60	10.80	47.52	0.00
Actual crop nutrient removal	183.44	31.75	218.07	1,165.19
Nutrient balance	70.75	-31.75	-218.07	3,687.10
Applied to removed ratio	1.39	0.00	0.00	4.16

Fresh water applied
79,716,000.00 gallons
2,935.67 acre-inches
39.67 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**

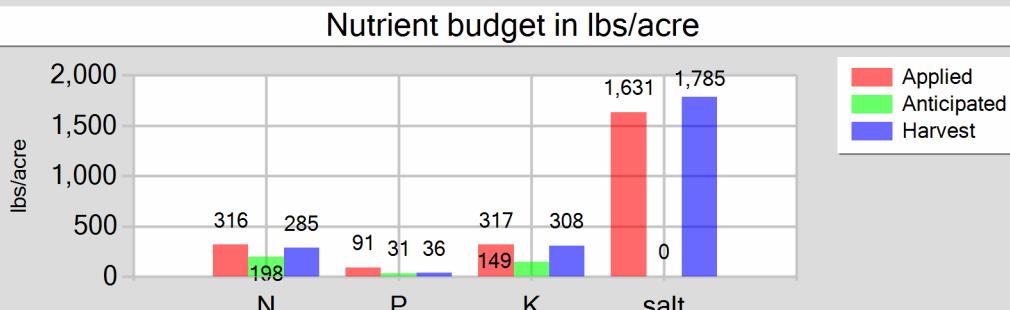
*Reporting period 01/01/2023 to 12/31/2023.*

17 - 11/16/2022: Wheat, silage, soft dough

Field name: 17

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	181.89	87.61	290.75	0.00
Process wastewater	45.65	3.19	25.88	205.60
Fresh water	74.80	0.00	0.00	1,425.80
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	316.34	90.80	316.63	1,631.40
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	285.13	36.41	308.01	1,784.75
Nutrient balance	31.21	54.38	8.62	-153.35
Applied to removed ratio	1.11	2.49	1.03	0.91

**Fresh water applied**

24,060,000.00 gallons
886.05 acre-inches
11.97 inches/acre

**Process wastewater applied**

1,836,000.00 gallons
67.61 acre-inches
0.91 inches/acre

**Total harvests for the crop**

1 harvests
------------

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

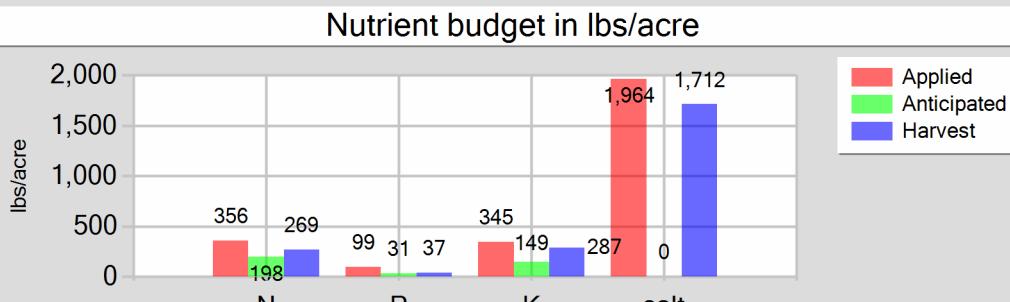
Reporting period 01/01/2023 to 12/31/2023.

18 - 11/15/2022: Wheat, silage, soft dough

Field name: 18

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	189.17	91.11	302.38	0.00
Process wastewater	70.82	7.61	42.68	290.90
Fresh water	82.01	0.00	0.00	1,673.08
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	355.99	98.73	345.06	1,963.98
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	269.19	36.81	286.74	1,711.87
Nutrient balance	86.80	61.92	58.33	252.11
Applied to removed ratio	1.32	2.68	1.20	1.15

**Fresh water applied**

9,240,000.00 gallons  
340.28 acre-inches  
13.61 inches/acre

**Process wastewater applied**

576,000.00 gallons  
21.21 acre-inches  
0.85 inches/acre

**Total harvests for the crop**

1 harvests

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

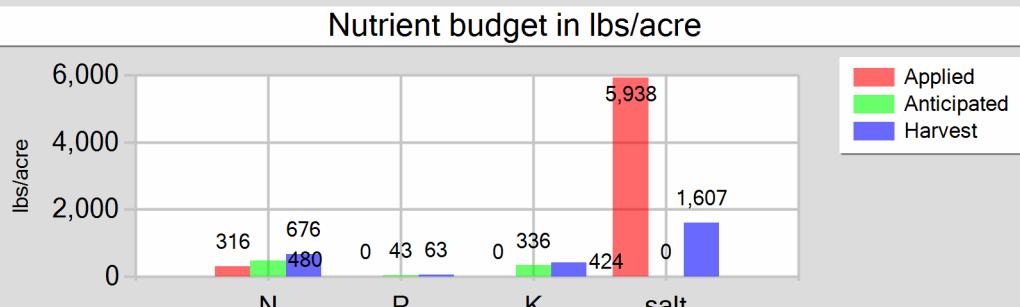
Reporting period 01/01/2023 to 12/31/2023.

19 - 12/04/2019: Alfalfa, hay

Field name: 19

Crop: Alfalfa, hay

Plant date: 12/04/2019



	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	0.00	0.00	0.00	0.00
Fresh water	301.94	0.00	0.00	5,937.96
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	315.94	0.00	0.00	5,937.96
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	675.86	63.11	424.07	1,606.81
Nutrient balance	-359.91	-63.11	-424.07	4,331.14
Applied to removed ratio	0.47	0.00	0.00	3.70

**Fresh water applied**

49,368,000.00 gallons  
1,818.06 acre-inches  
49.14 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

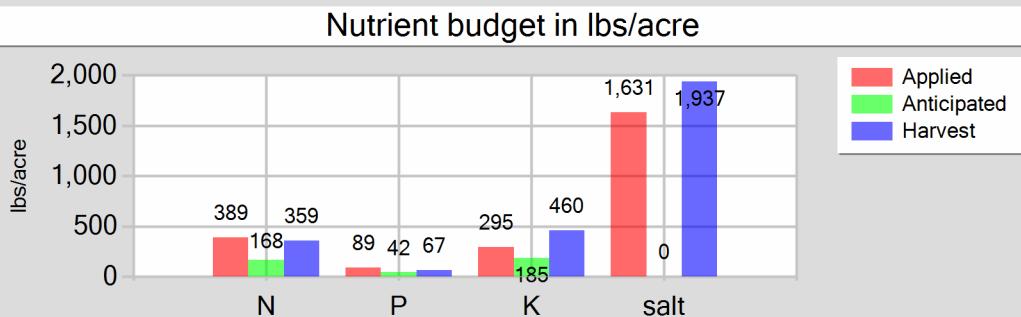
1 harvests

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

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

2 - 04/17/2023: Corn, silage

Field name: 2 Crop: Corn, silage Plant date: 04/17/2023



	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	83,520,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,075.76 acre-inches
Commercial fertilizer / Other	100.00	0.00	0.00	0.00	41.01 inches/acre
Dry manure	184.32	88.78	294.63	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	90.19	0.00	0.00	1,631.04	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	388.50	88.78	294.63	1,631.04	
Anticipated crop nutrient removal	168.00	42.00	184.80	0.00	
Actual crop nutrient removal	359.09	67.13	459.57	1,937.39	
Nutrient balance	29.41	21.65	-164.94	-306.35	
Applied to removed ratio	1.08	1.32	0.64	0.84	
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**

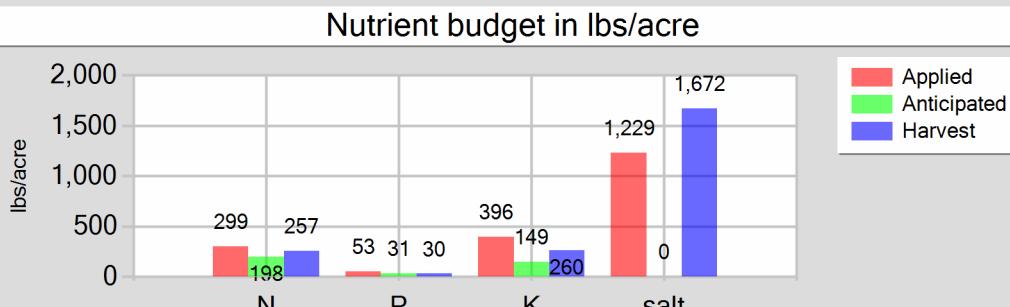
*Reporting period 01/01/2023 to 12/31/2023.*

20 - 11/15/2022: Wheat, silage, soft dough

Field name: 20

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	169.46	46.38	341.47	0.00
Process wastewater	96.94	6.77	54.99	436.82
Fresh water	18.33	0.00	0.00	792.25
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	298.73	53.15	396.46	1,229.07
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	256.88	29.80	260.22	1,671.82
Nutrient balance	41.85	23.35	136.23	-442.75
Applied to removed ratio	1.16	1.78	1.52	0.74

**Fresh water applied**

7,032,000.00 *gallons*  
258.96 *acre-inches*  
9.25 *inches/acre*

**Process wastewater applied**

1,476,000.00 *gallons*  
54.36 *acre-inches*  
1.94 *inches/acre*

**Total harvests for the crop**

1 *harvests*

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

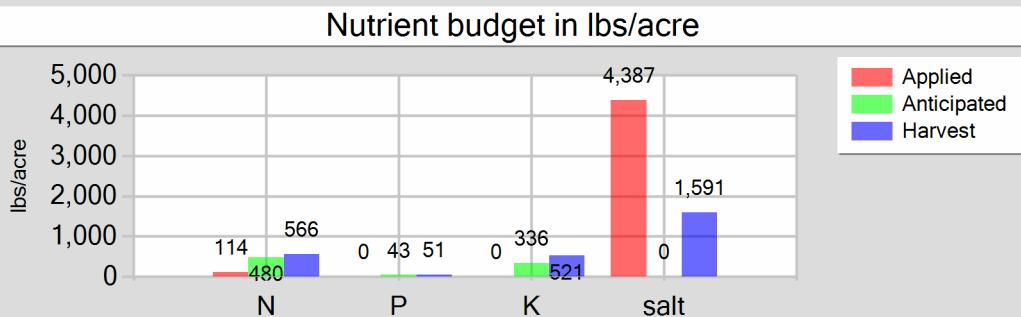
Reporting period 01/01/2023 to 12/31/2023.

21 - 12/02/2020: Alfalfa, hay

Field name: 21

Crop: Alfalfa, hay

Plant date: 12/02/2020



	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	0.00	0.00	0.00	0.00
Fresh water	100.10	0.00	0.00	4,387.22
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	114.10	0.00	0.00	4,387.22
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	565.54	51.20	521.43	1,591.06
Nutrient balance	-451.44	-51.20	-521.43	2,796.16
Applied to removed ratio	0.20	0.00	0.00	2.76

**Fresh water applied**

38,010,000.00 gallons
1,399.78 acre-inches
51.84 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**

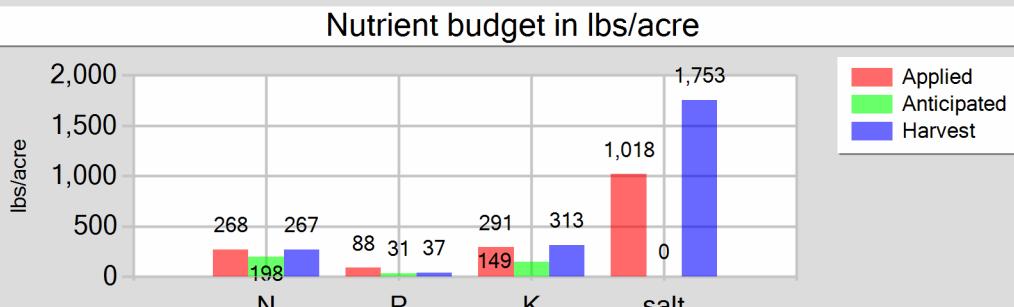
Reporting period 01/01/2023 to 12/31/2023.

22 - 11/14/2022: Wheat, silage, soft dough

Field name: 22

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	50.00	0.00	0.00	0.00
Dry manure	181.89	87.61	290.75	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	22.53	0.00	0.00	1,017.67
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	268.42	87.61	290.75	1,017.67
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	266.55	36.95	312.56	1,752.65
Nutrient balance	1.87	50.66	-21.81	-734.97
Applied to removed ratio	1.01	2.37	0.93	0.58

**Fresh water applied**

10,500,000.00 *gallons*  
386.68 *acre-inches*  
12.08 *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**

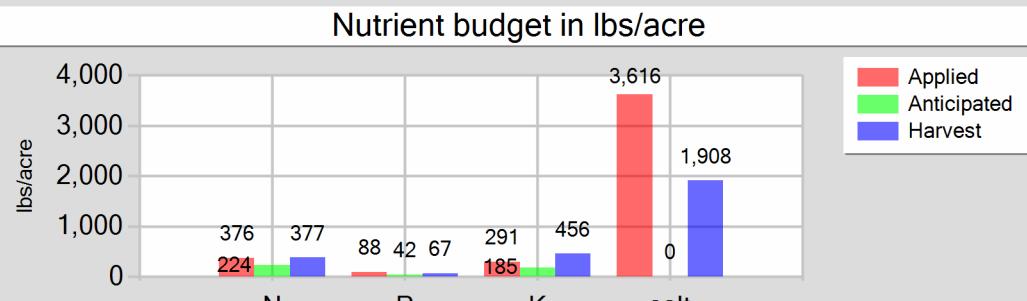
Reporting period 01/01/2023 to 12/31/2023.

23 - 04/25/2023: Corn, silage

Field name: 23

Crop: Corn, silage

Plant date: 04/25/2023



	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	100.00	0.00	0.00	0.00
Dry manure	181.89	87.61	290.75	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	80.07	0.00	0.00	3,616.49
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	375.96	87.61	290.75	3,616.49
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	376.96	67.22	455.53	1,907.52
Nutrient balance	-1.00	20.39	-164.78	1,708.97
Applied to removed ratio	1.00	1.30	0.64	1.90

**Fresh water applied**

44,310,000.00 *gallons*  
1,631.79 *acre-inches*  
42.94 *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**

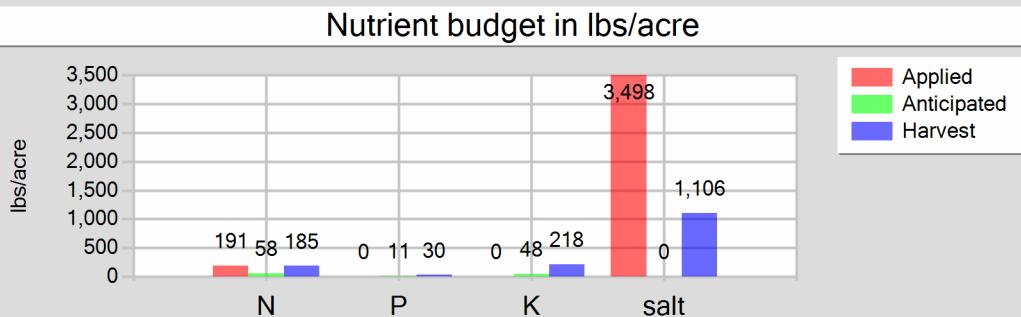
*Reporting period 01/01/2023 to 12/31/2023.*

24 - 04/25/2023: Corn Earlage

Field name: 24

Crop: Corn Earlage

Plant date: 04/25/2023



	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	100.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	77.44	0.00	0.00	3,497.78
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	191.44	0.00	0.00	3,497.78
Anticipated crop nutrient removal	57.60	10.80	47.52	0.00
Actual crop nutrient removal	184.74	29.75	218.03	1,106.28
Nutrient balance	6.70	-29.75	-218.03	2,391.50
Applied to removed ratio	1.04	0.00	0.00	3.16

**Fresh water applied**

30,450,000.00 *gallons*  
1,121.37 *acre-inches*  
41.53 *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.

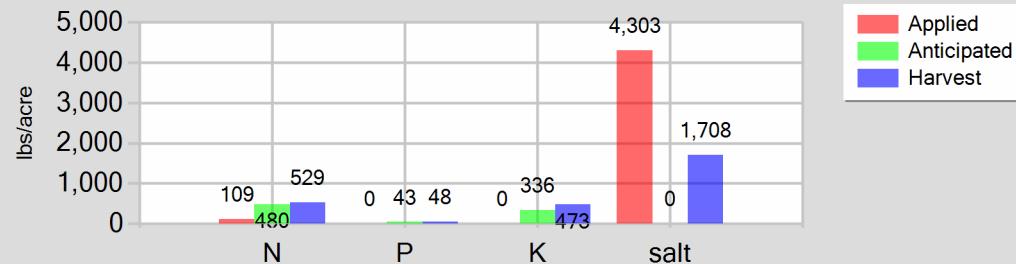
25 - 12/02/2020: Alfalfa, hay

Field name: 25

Crop: Alfalfa, hay

Plant date: 12/02/2020

**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	0.00	0.00	0.00	0.00
Fresh water	95.28	0.00	0.00	4,303.30
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	109.28	0.00	0.00	4,303.30
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	528.76	47.51	473.45	1,708.31
Nutrient balance	-419.49	-47.51	-473.45	2,594.99
Applied to removed ratio	0.21	0.00	0.00	2.52

**Fresh water applied**

38,850,000.00 *gallons*  
1,430.71 *acre-inches*  
51.10 *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.*

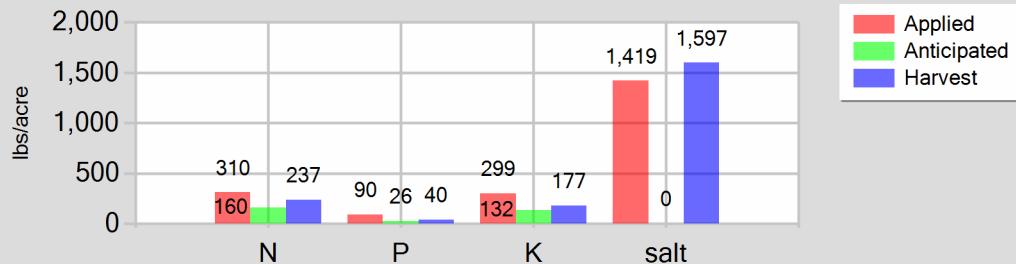
26 - 12/23/2022: Oats, hay

Field name: 26

Crop: Oats, hay

Plant date: 12/23/2022

**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	186.81	89.98	298.61	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	109.13	0.00	0.00	1,418.63
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	309.93	89.98	298.61	1,418.63
Anticipated crop nutrient removal	160.00	26.00	132.00	0.00
Actual crop nutrient removal	236.58	39.56	177.37	1,597.23
Nutrient balance	73.36	50.42	121.24	-178.59
Applied to removed ratio	1.31	2.27	1.68	0.89

**Fresh water applied**

11,520,000.00 *gallons*  
424.24 *acre-inches*  
11.47 *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**

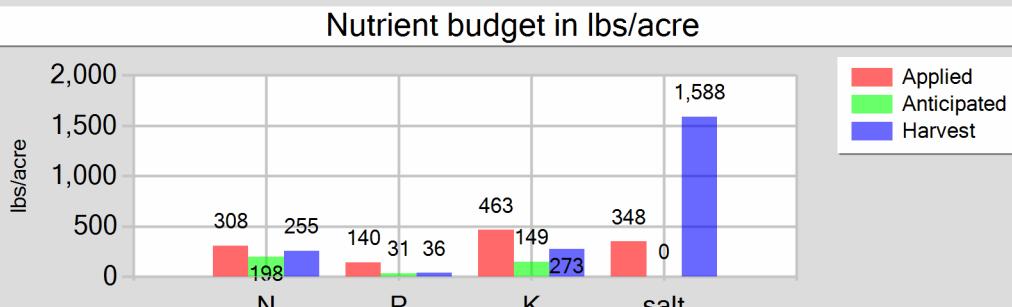
Reporting period 01/01/2023 to 12/31/2023.

27 - 12/26/2022: Wheat, silage, soft dough

Field name: 27

Crop: Wheat, silage, soft dough

Plant date: 12/26/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	289.79	139.58	463.23	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	4.04	0.00	0.00	348.41
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	307.83	139.58	463.23	348.41
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	254.71	35.95	272.90	1,588.30
Nutrient balance	53.12	103.63	190.33	-1,239.89
Applied to removed ratio	1.21	3.88	1.70	0.22

**Fresh water applied**

35,700,000.00 gallons  
1,314.71 acre-inches  
11.14 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**

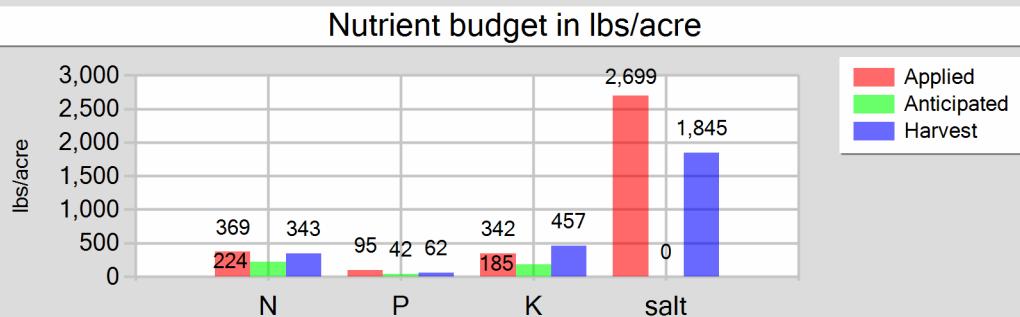
*Reporting period 01/01/2023 to 12/31/2023.*

28 - 04/24/2023: Corn, silage

Field name: 28

Crop: Corn, silage

Plant date: 04/24/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	181.89	87.61	290.75	0.00
Process wastewater	101.38	7.40	51.24	368.22
Fresh water	71.45	0.00	0.00	2,330.28
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	368.72	95.01	341.99	2,698.51
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	342.84	62.37	456.83	1,844.88
Nutrient balance	25.88	32.63	-114.84	853.63
Applied to removed ratio	1.08	1.52	0.75	1.46

**Fresh water applied**

84,000,000.00 gallons  
3,093.43 acre-inches  
41.80 inches/acre

**Process wastewater applied**

2,358,000.00 gallons  
86.84 acre-inches  
1.17 inches/acre

**Total harvests for the crop**

1 harvests

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

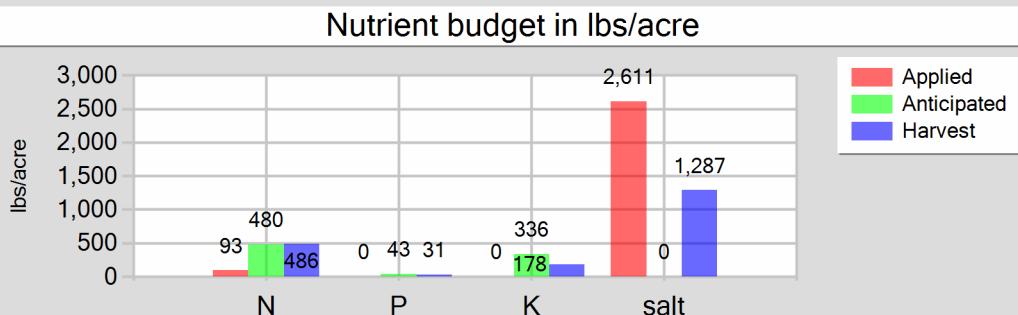
Reporting period 01/01/2023 to 12/31/2023.

29 - 12/03/2022: Alfalfa, hay

Field name: 29

Crop: Alfalfa, hay

Plant date: 12/03/2022



	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	0.00	0.00	0.00	0.00
Fresh water	78.71	0.00	0.00	2,611.22
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	92.71	0.00	0.00	2,611.22
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	485.63	31.45	177.80	1,287.06
Nutrient balance	-392.93	-31.45	-177.80	1,324.16
Applied to removed ratio	0.19	0.00	0.00	2.03

Fresh water applied

103,140,000.00 gallons  
3,798.30 acre-inches  
49.98 inches/acre

Process wastewater applied

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

Total harvests for the crop

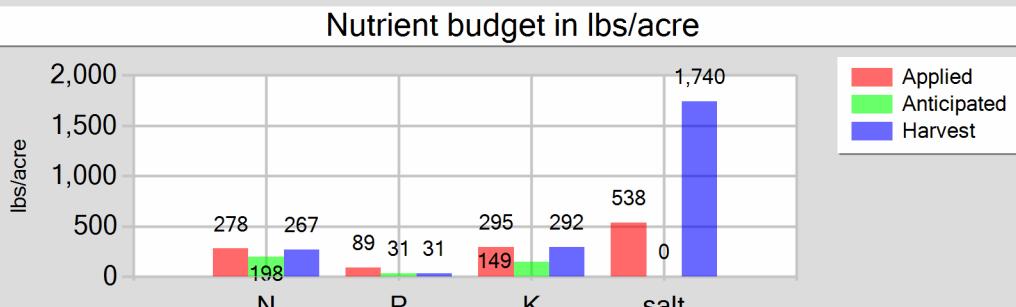
1 harvests

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

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

3 - 11/29/2022: Wheat, silage, soft dough

Field name: 3      Crop: Wheat, silage, soft dough      Plant date: 11/29/2022



	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	28,896,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,064.14 acre-inches
Commercial fertilizer / Other	50.00	0.00	0.00	0.00	14.19 inches/acre
Dry manure	184.32	88.78	294.63	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	29.50	0.00	0.00	537.90	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	277.81	88.78	294.63	537.90	
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00	
Actual crop nutrient removal	266.98	31.29	292.42	1,739.88	
Nutrient balance	10.84	57.49	2.21	-1,201.98	
Applied to removed ratio	1.04	2.84	1.01	0.31	
Total harvests for the crop					1 harvests

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

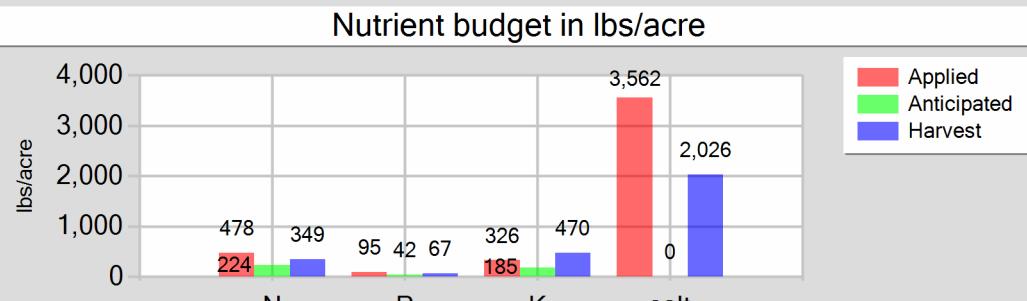
Reporting period 01/01/2023 to 12/31/2023.

30 - 04/23/2023: Corn, silage

Field name: 30

Crop: Corn, silage

Plant date: 04/23/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	187.09	90.11	299.06	0.00
Process wastewater	50.52	5.30	27.34	207.35
Fresh water	226.19	0.00	0.00	3,354.83
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	477.79	95.41	326.40	3,562.18
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	348.64	66.62	470.40	2,025.66
Nutrient balance	129.15	28.79	-144.01	1,536.52
Applied to removed ratio	1.37	1.43	0.69	1.76

**Fresh water applied**  
39,570,000.00 gallons  
1,457.23 acre-inches  
41.64 inches/acre

**Process wastewater applied**  
882,000.00 gallons  
32.48 acre-inches  
0.93 inches/acre

**Total harvests for the crop**  
1 harvests

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

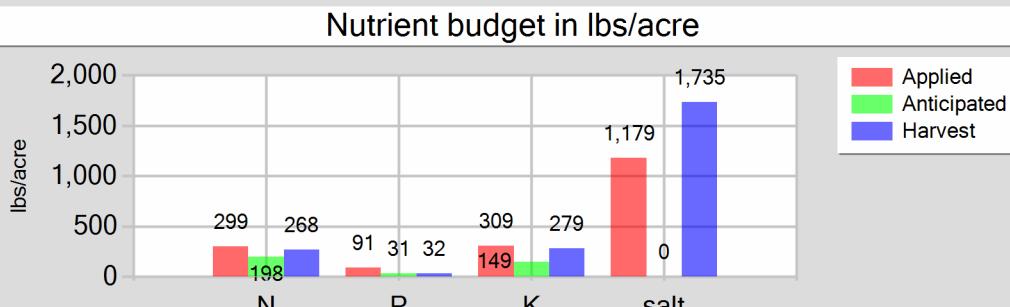
*Reporting period 01/01/2023 to 12/31/2023.*

31 - 11/12/2022: Wheat, silage, soft dough

Field name: 31

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	181.89	87.61	290.75	0.00
Process wastewater	33.71	3.54	18.24	138.36
Fresh water	69.88	0.00	0.00	1,040.80
Atmospheric deposition	14.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>299.48</b>	<b>91.15</b>	<b>308.99</b>	<b>1,179.16</b>
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	268.35	32.24	279.05	1,735.00
Nutrient balance	31.14	58.90	29.95	-555.84
Applied to removed ratio	1.12	2.83	1.11	0.68

**Fresh water applied**

25,140,000.00 gallons
925.82 acre-inches
12.18 inches/acre

**Process wastewater applied**

1,278,000.00 gallons
47.06 acre-inches
0.62 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.

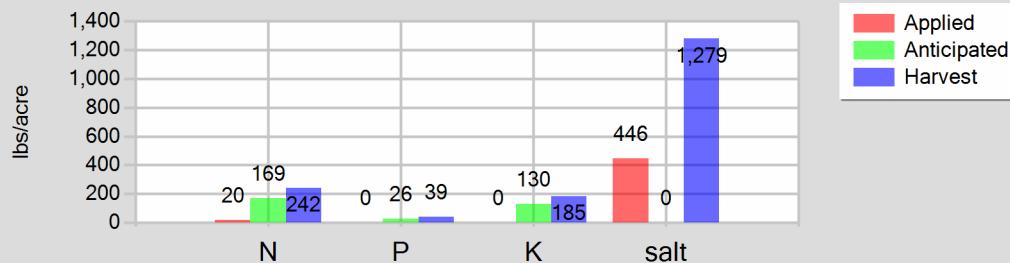
32 - 03/11/2017: Almond, in shell

Field name: 32

Crop: Almond, in shell

Plant date: 03/11/2017

**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	0.00	0.00	0.00	0.00
Fresh water	6.19	0.00	0.00	446.36
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	20.19	0.00	0.00	446.36
Anticipated crop nutrient removal	169.00	26.00	130.00	0.00
Actual crop nutrient removal	241.65	39.22	185.14	1,278.90
Nutrient balance	-221.46	-39.22	-185.14	-832.54
Applied to removed ratio	0.08	0.00	0.00	0.35

**Fresh water applied**

99,060,000.00 gallons  
3,648.04 acre-inches  
32.28 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.*

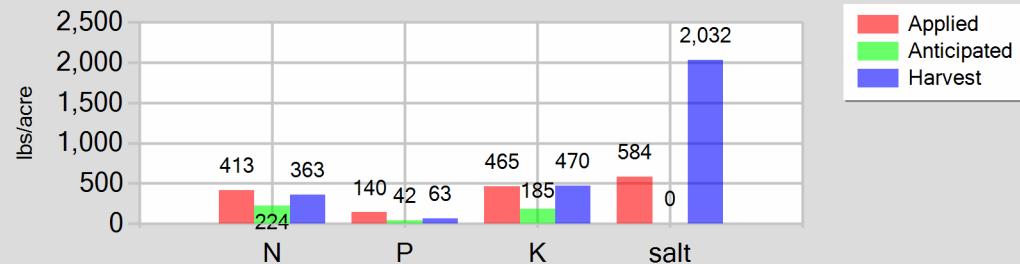
33 - 04/20/2023: Corn, silage

Field name: 33

Crop: Corn, silage

Plant date: 04/20/2023

**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	100.00	0.00	0.00	0.00
Dry manure	291.02	140.18	465.20	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	8.15	0.00	0.00	584.38
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	413.18	140.18	465.20	584.38
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	362.82	62.56	470.36	2,032.14
Nutrient balance	50.36	77.61	-5.16	-1,447.75
Applied to removed ratio	1.14	2.24	0.99	0.29

**Fresh water applied**

56,720,000.00 *gallons*  
2,088.80 *acre-inches*  
41.78 *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**

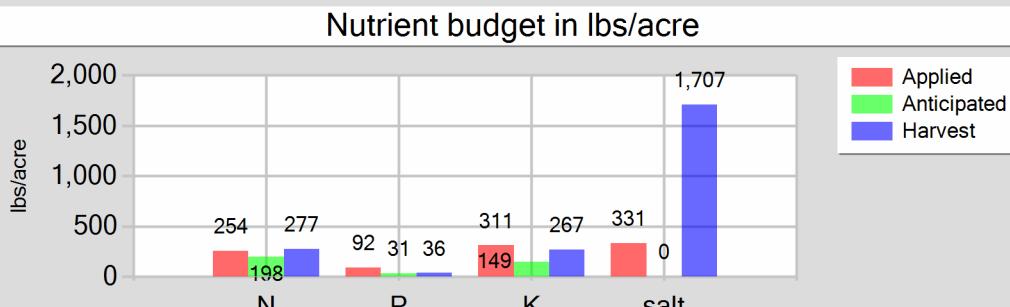
*Reporting period 01/01/2023 to 12/31/2023.*

34 - 12/01/2022: Wheat, silage, soft dough

Field name: 34

Crop: Wheat, silage, soft dough

Plant date: 12/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	233.90	92.40	310.57	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	5.78	0.00	0.00	331.21
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	253.68	92.40	310.57	331.21
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	276.64	35.87	266.88	1,707.47
Nutrient balance	-22.96	56.53	43.69	-1,376.25
Applied to removed ratio	0.92	2.58	1.16	0.19

**Fresh water applied**

31,500,000.00 *gallons*  
1,160.04 *acre-inches*  
11.60 *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**

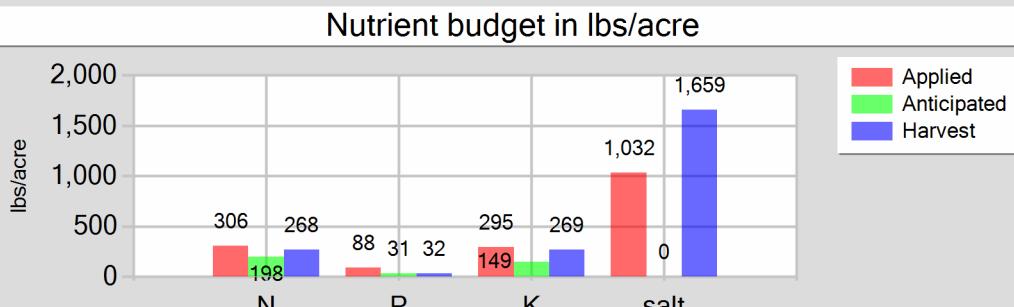
Reporting period 01/01/2023 to 12/31/2023.

35 - 11/14/2022: Wheat, silage, soft dough

Field name: 35

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	222.21	87.78	295.04	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	69.48	0.00	0.00	1,032.02
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	305.69	87.78	295.04	1,032.02
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00
Actual crop nutrient removal	267.89	31.64	269.01	1,658.65
Nutrient balance	37.80	56.14	26.03	-626.63
Applied to removed ratio	1.14	2.77	1.10	0.62

**Fresh water applied**

13,650,000.00 *gallons*  
502.68 *acre-inches*  
12.57 *inches/acre*

**Process wastewater applied**

0.00 *gallons*  
0.00 *acre-inches*  
0.00 *inches/acre*

**Total harvests for the crop**

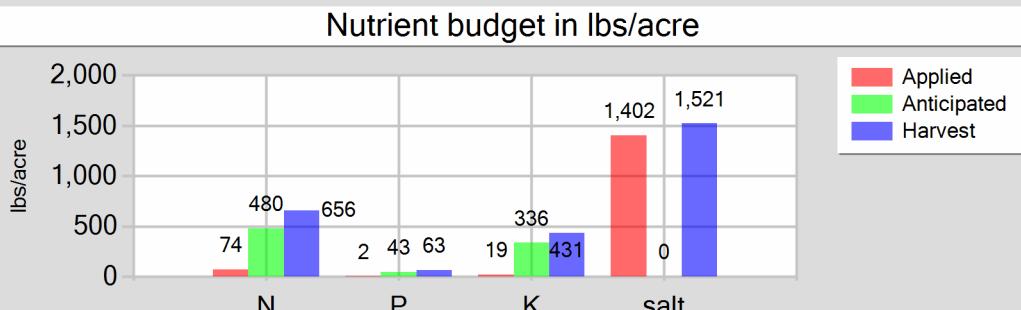
1 *harvests*

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

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

4 - 12/03/2021: Alfalfa, hay

Field name: 4 Crop: Alfalfa, hay Plant date: 12/03/2021



	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	33.93	2.37	19.24	152.83
Fresh water	25.68	0.00	0.00	1,248.79
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	73.61	2.37	19.24	1,401.62
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	655.83	63.39	431.02	1,521.25
Nutrient balance	-582.22	-61.02	-411.78	-119.63
Applied to removed ratio	0.11	0.04	0.04	0.92

**Fresh water applied**  
84,522,000.00 gallons  
3,112.66 acre-inches  
51.03 inches/acre

**Process wastewater applied**  
1,125,000.00 gallons  
41.43 acre-inches  
0.68 inches/acre

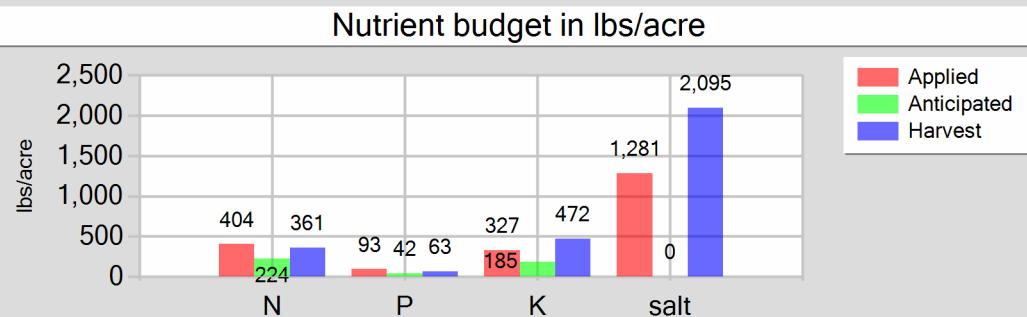
**Total harvests for the crop**  
1 harvests

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

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

5 - 04/21/2023: Corn, silage

Field name: 5      Crop: Corn, silage      Plant date: 04/21/2023



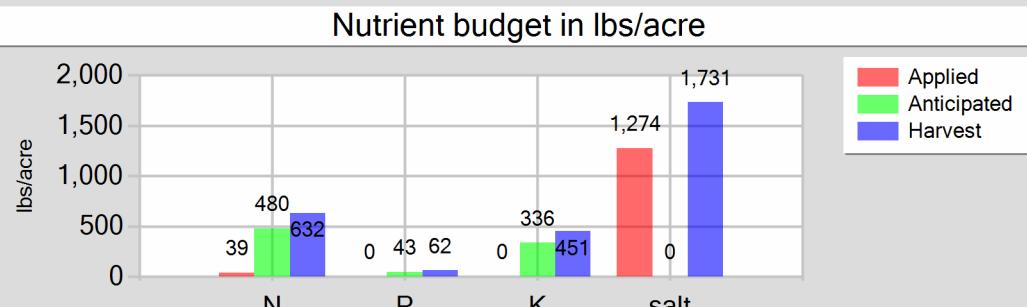
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	93,942,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,459.56 acre-inches
Commercial fertilizer / Other	100.00	0.00	0.00	0.00	41.68 inches/acre
Dry manure	184.08	88.67	294.25	0.00	
Process wastewater	85.15	4.16	32.34	260.86	
Fresh water	20.31	0.00	0.00	1,020.07	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	403.54	92.83	326.59	1,280.94	Process wastewater applied
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	2,454,000.00 gallons
Actual crop nutrient removal	360.70	63.07	471.88	2,094.71	90.37 acre-inches
Nutrient balance	42.84	29.75	-145.29	-813.77	1.09 inches/acre
Applied to removed ratio	1.12	1.47	0.69	0.61	Total harvests for the crop
					1 harvests

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

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

6 - 11/04/2019: Alfalfa, hay

Field name: 6      Crop: Alfalfa, hay      Plant date: 11/04/2019



	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	0.00	0.00	0.00	0.00
Fresh water	25.34	0.00	0.00	1,274.41
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	39.34	0.00	0.00	1,274.41
Anticipated crop nutrient removal	480.00	43.20	336.00	0.00
Actual crop nutrient removal	632.08	62.03	450.52	1,731.49
Nutrient balance	-592.73	-62.03	-450.52	-457.08
Applied to removed ratio	0.06	0.00	0.00	0.74

**Fresh water applied**

103,224,000.00 *gallons*  
3,801.39 *acre-inches*  
52.07 *inches/acre*

**Process wastewater applied**

0.00 *gallons*  
0.00 *acre-inches*  
0.00 *inches/acre*

**Total harvests for the crop**

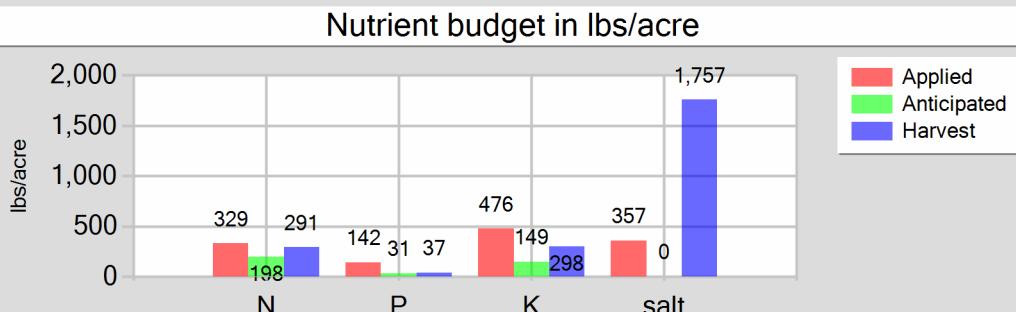
1 *harvests*

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

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

7 - 11/28/2022: Wheat, silage, soft dough

Field name: 7      Crop: Wheat, silage, soft dough      Plant date: 11/28/2022



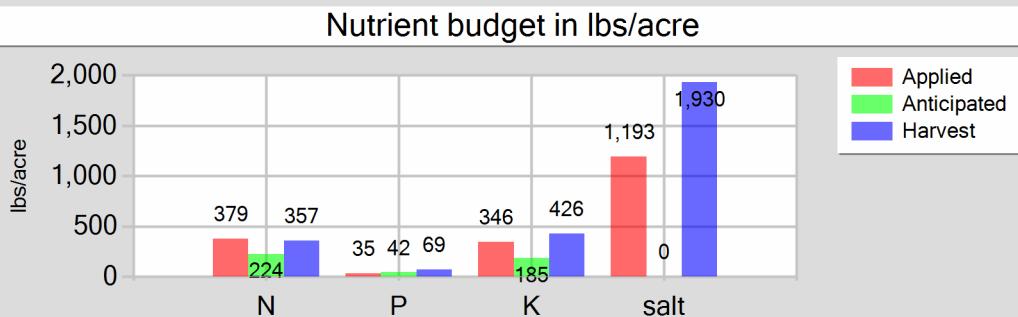
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	24,816,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	913.89 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.02 inches/acre
Dry manure	291.98	140.64	466.73	0.00	
Process wastewater	18.07	1.54	9.13	61.42	495,000.00 gallons
Fresh water	4.56	0.00	0.00	295.33	18.23 acre-inches
Atmospheric deposition	14.00	0.00	0.00	0.00	0.24 inches/acre
Total nutrients applied	328.61	142.18	475.86	356.75	
Anticipated crop nutrient removal	198.00	30.60	149.40	0.00	
Actual crop nutrient removal	291.07	37.25	298.34	1,756.70	
Nutrient balance	37.54	104.92	177.52	-1,399.96	
Applied to removed ratio	1.13	3.82	1.60	0.20	
Total harvests for the crop					1 harvests

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

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

8 - 04/22/2023: Corn, silage

Field name: 8      Crop: Corn, silage      Plant date: 04/22/2023



	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	50.00	0.00	0.00	0.00
Dry manure	272.66	34.04	337.22	0.00
Process wastewater	22.44	1.20	8.35	72.27
Fresh water	19.99	0.00	0.00	1,120.31
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	379.08	35.24	345.56	1,192.58
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00
Actual crop nutrient removal	357.29	69.20	425.82	1,929.52
Nutrient balance	21.79	-33.96	-80.26	-736.94
Applied to removed ratio	1.06	0.51	0.81	0.62

**Fresh water applied**  
94,116,000.00 gallons  
3,465.97 acre-inches  
44.44 inches/acre

**Process wastewater applied**  
765,000.00 gallons  
28.17 acre-inches  
0.36 inches/acre

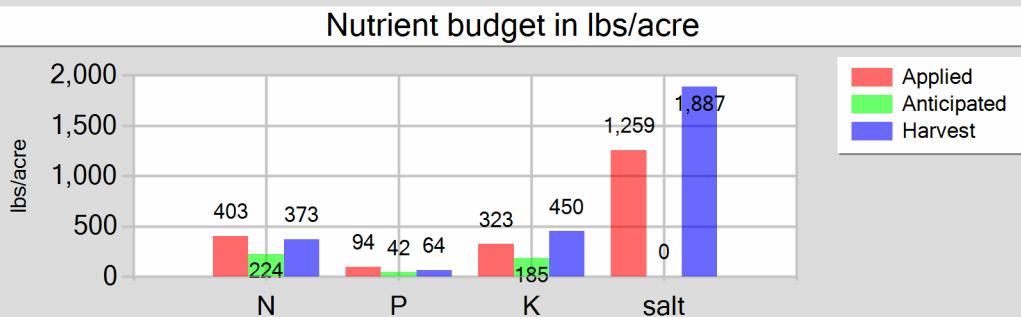
**Total harvests for the crop**  
1 harvests

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

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

9 - 04/23/2023: Corn, silage

Field name: 9      Crop: Corn, silage      Plant date: 04/23/2023



	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	95,034,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	3,499.78 acre-inches
Commercial fertilizer / Other	100.00	0.00	0.00	0.00	46.05 inches/acre
Dry manure	233.90	92.40	310.57	0.00	
Process wastewater	33.72	1.76	12.18	101.22	
Fresh water	21.53	0.00	0.00	1,157.71	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	403.15	94.16	322.75	1,258.93	Process wastewater applied
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	765,000.00 gallons
Actual crop nutrient removal	372.78	64.33	450.29	1,886.63	28.17 acre-inches
Nutrient balance	30.37	29.83	-127.54	-627.70	0.37 inches/acre
Applied to removed ratio	1.08	1.46	0.72	0.67	Total harvests for the crop
					1 harvests

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

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

**NUTRIENT ANALYSES****A. MANURE ANALYSES****Corral Manure (FL)**Sample and source description: Corral Manure (FL)Sample date: 09/12/2022 Material type: Corral solidsSource of analysis: Lab analysisMethod of reporting: As-isMoisture: 2.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	23,390.00	9,240.00	31,057.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**Corral Manure (LK)**Sample and source description: Corral Manure (LK)Sample date: 09/12/2022 Material type: Corral solidsSource of analysis: Lab analysisMethod of reporting: As-isMoisture: 3.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	18,189.00	8,761.00	29,075.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**Feedlot Manure (FL)**Sample and source description: Feedlot Manure (FL)Sample date: 09/12/2022 Material type: Corral solidsSource of analysis: Lab analysisMethod of reporting: As-isMoisture: 2.2 %

	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 (%)
<b>Value</b>	16,946.00	4,638.00	34,147.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

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

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

**Corral Manure (FL)**Sample and source description: Corral Manure (FL)Sample date: 05/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 16.8 %

	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 (%)
<b>Value</b>	17,151.00	2,141.00	21,212.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**Corral Manure (LK)**Sample and source description: Corral Manure (LK)Sample date: 05/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 8.3 %

	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 (%)
<b>Value</b>	18,243.00	7,292.00	17,977.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**Feedlot Manure (FL)**Sample and source description: Feedlot Manure (FL)Sample date: 05/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 8.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,534.00	2,057.00	20,090.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

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

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

**Corral Manure (FL)**Sample and source description: Corral Manure (FL)Sample date: 09/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 5.6 %

	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 (%)
<b>Value</b>	18,315.00	3,550.00	19,817.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**Corral Manure (LK)**Sample and source description: Corral Manure (LK)Sample date: 09/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 6.2 %

	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 (%)
<b>Value</b>	15,204.00	6,938.00	13,032.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**Feedlot Manure (FL)**Sample and source description: Feedlot Manure (FL)Sample date: 09/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-isMoisture: 9.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,494.00	2,527.00	19,880.00							0.00
<b>DL</b>	500.00	100.00	200.00							0.67

**B. PROCESS WASTEWATER ANALYSES**

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

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

**Main Lagoon (LK)**

Sample and source description: Main Lagoon (LK)

Sample date: 12/06/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.64

	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 ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	332.00	92.50	0.00	0.41	28.30	168.00								1,766.00	1,130
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Pond 2 Middle (FL)**

Sample and source description: Pond 2 Middle (FL)

Sample date: 12/06/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.63

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	368.00	116.20	0.00	0.32	39.60	222.00								2,365.00	1,513
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Main Lagoon (LK)**

Sample and source description: Main Lagoon (LK)

Sample date: 02/06/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.66

	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 ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	274.00	43.80	0.00	0.20	14.70	102.00								1,380.00	883
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Pond 2 Middle (FL)**

Sample and source description: Pond 2 Middle (FL)

Sample date: 02/06/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.64

	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 ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	401.00	65.20	0.00	0.41	20.90	145.00								1,883.00	1,205
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

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

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

**Main Lagoon (LK)**

Sample and source description: Main Lagoon (LK)

Sample date: 05/10/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.43

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	240.00	95.50	0.00	0.23	25.20	130.00								1,542.00	986
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Pond 2 Middle (FL)**

Sample and source description: Pond 2 Middle (FL)

Sample date: 05/10/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.45

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	400.00	109.00	0.00	0.26	35.60	188.00								2,131.00	1,363
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Main Lagoon (LK)**

Sample and source description: Main Lagoon (LK)

Sample date: 09/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.32

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	280.00	70.40	0.00	0.22	12.20	115.00								1,387.00	887
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Pond 2 Middle (FL)**

Sample and source description: Pond 2 Middle (FL)

Sample date: 09/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.35

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	389.00	106.90	0.00	0.52	20.30	174.00								2,036.00	1,303
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

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

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

**Main Lagoon (LK)**

Sample and source description: Main Lagoon (LK)

Sample date: 11/21/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.59

	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 ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	220.00	70.20	0.00	0.48	15.40	125.00								1,553.00	993
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**Pond 2 Middle (FL)**

Sample and source description: Pond 2 Middle (FL)

Sample date: 11/21/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.60

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	330.00	86.20	0.00	0.46	18.20	144.00								1,819.00	1,164
<b>DL</b>	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

**C. FRESH WATER ANALYSES**

1

1

Sample description: 1

Sample date: 07/10/2023 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 ( $\mu$ mhos/cm)	TDS (mg/L)
<b>Value</b>	26.00		26.00								910.00	
<b>DL</b>	0.23		0.23								1.00	

11

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

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

11

11

Sample description: 11

Sample date: 07/27/2023 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	19.00		19.00	28.00	0.41	57.00	68.00	0.00	25.00	28.00	430.00	300
DL	0.23		0.23	0.10	0.10	1.00	3.00	3.00	1.00	1.00	1.00	5

12

12

Sample description: 12

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

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.60		1.60	108.40	0.27	400.00	67.00	11.00	10.00	17.00	230.00	210
DL	0.23		0.23	0.10	0.10	1.00	3.00	3.00	1.00	1.00	1.00	5

14

14

Sample description: 14

Sample date: 07/10/2023 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	22.00		22.00	33.00	0.68	63.00	85.00	0.00	24.00	34.00	510.00	340
DL	0.23		0.23	0.10	0.10	1.00	3.00	3.00	1.00	1.00	1.00	5

17

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

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

17

17

Sample description: 17

Sample date: 07/27/2023 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	19.00		19.00								460.00	
DL	0.23		0.23								1.00	

18

18

Sample description: 18

Sample date: 07/27/2023 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	28.00		28.00								700.00	
DL	0.23		0.23								1.00	

20

20

Sample description: 20

Sample date: 07/10/2023 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	14.00		14.00								690.00	
DL	0.23		0.23								1.00	

21

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

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

21

21

Sample description: 21

Sample date: 07/10/2023 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	5.20		5.20								600.00	
DL	0.23		0.23									1.00

22

22

Sample description: 22

Sample date: 07/10/2023 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	3.50		3.50								570.00	
DL	0.23		0.23									1.00

23

23

Sample description: 23

Sample date: 07/10/2023 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	17.00		17.00								700.00	
DL	0.23		0.23									1.00

24

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

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

24

24

Sample description: 24

Sample date: 07/10/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.80		2.80								180.00	
DL	0.23		0.23								1.00	

26

26

Sample description: 26

Sample date: 07/10/2023 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	42.00		42.00								910.00	
DL	0.23		0.23								1.00	

3

3

Sample description: 3

Sample date: 07/10/2023 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	6.30		6.30								300.00	
DL	0.23		0.23								1.00	

30

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

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

30

30

Sample description: 30

Sample date: 09/08/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.20		2.20								210.00	
DL	0.23		0.23								1.00	

33

33

Sample description: 33

Sample date: 07/10/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.10		2.10								170.00	
DL	0.23		0.23								1.00	

35

35

Sample description: 35

Sample date: 07/10/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.70		2.70								200.00	
DL	0.23		0.23								1.00	

36

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

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

36

36

Sample description: 36

Sample date: 07/27/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.30		1.30								190.00	
DL	0.23		0.23								1.00	

5

5

Sample description: 5

Sample date: 07/10/2023 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	33.00		33.00								770.00	
DL	0.23		0.23								1.00	

6

6

Sample description: 6

Sample date: 09/08/2023 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	31.00		31.00								790.00	
DL	0.23		0.23								1.00	

7

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

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

7

7

Sample description: 7

Sample date: 09/08/2023 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	25.00		25.00								950.00	
DL	0.23		0.23								1.00	

8

8

Sample description: 8

Sample date: 07/10/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	1.60		1.60								180.00	
DL	0.23		0.23								1.00	

Big Barn

Big Barn

Sample description: Big Barn

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

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	19.00		19.00								680.00	
DL	0.23		0.23								1.00	

Canal

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***Canal****Canal**Sample description: CanalSample date: 07/10/2023 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								35.00	44
DL	1.00		0.23								1.00	5

**Canal 2****Canal 2**Sample description: Canal 2Sample date: 07/10/2023 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								34.00	34
DL	1.00		0.23								1.00	5

**LK Dairy****LK Dairy**Sample description: LK DairySample date: 12/13/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	64.00		64.00	220.00	9.80	49.00	210.00	0.00	60.00	130.00	1,400.00	1,300
DL	0.23		0.23	0.10	0.10	1.00	3.00	3.00	1.00	1.00	1.00	5

**New Big Barn**

**Annual Report - General Order No. R5-2007-0035***Reporting period 01/01/2023 to 12/31/2023.***New Big Barn****New Big Barn**Sample description: New Big BarnSample date: 12/13/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	19.00		19.00								680.00	
DL	0.23		0.23								1.00	

**New Feedlot Pressure****New Feedlot Pressure**Sample description: New Feedlot PressureSample date: 12/13/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	3.30		3.30								560.00	
DL	0.23		0.23								1.00	

**Steve House****Steve House**Sample description: Steve HouseSample date: 12/13/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	14.00		14.00	99.00	2.80	59.00	190.00	0.00	41.00	68.00	770.00	500
DL	0.23		0.23	0.10	0.10	1.00	3.00	3.00	1.00	1.00	1.00	5

**White Ranch**

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

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

White Ranch

White Ranch

Sample description: White Ranch

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

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	23.00		23.00								830.00	
DL	0.23		0.23								1.00	

**D. SOIL ANALYSES**

*No soil analyses entered.*

**E. PLANT TISSUE ANALYSES**

1 - 04/19/2023: Corn, silage

1

Sample and source description: 1

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

Moisture: 62.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,560.00	2,610.00	20,800.00		9.50
DL	500.00	100.00	200.00		0.67

10 - 04/26/2023: Corn Earlage

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

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

10 - 04/26/2023: Corn Earlage

10

Sample and source description: 10

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

Moisture: 42.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,470.00	2,840.00	20,810.00		10.70
DL	500.00	100.00	200.00		0.67

11 - 02/23/2012: Walnuts

11

Sample and source description: 11

Sample date: 10/12/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 3.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	38,235.00	1,400.00	15,000.00		59.00
DL	500.00	100.00	200.00		0.67

12 - 12/01/2020: Alfalfa, hay

12

Sample and source description: 12

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

Moisture: 6.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	32,600.00	3,560.00	30,200.00		9.70
DL	500.00	100.00	200.00		0.67

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

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

13 - 11/29/2019: Alfalfa, hay

13

Sample and source description: 13

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

Moisture: 6.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	41,100.00	3,520.00	24,700.00		10.90
<b>DL</b>	500.00	100.00	200.00		0.67

14 - 10/31/2018: Alfalfa, hay

14

Sample and source description: 14

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

Moisture: 5.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	37,200.00	3,350.00	24,900.00		10.40
<b>DL</b>	500.00	100.00	200.00		0.67

15 - 04/18/2023: Corn, silage

15

Sample and source description: 15

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

Moisture: 63.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,060.00	2,510.00	19,710.00		8.70
<b>DL</b>	500.00	100.00	200.00		0.67

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

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

16 - 04/27/2023: Corn Earlage

16

Sample and source description: 16

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

Moisture: 41.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	17,160.00	2,970.00	20,400.00		10.90
<b>DL</b>	500.00	100.00	200.00		0.67

17 - 11/16/2022: Wheat, silage, soft dough

17

Sample and source description: 17

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	19,810.00	2,530.00	21,400.00		12.40
<b>DL</b>	500.00	100.00	200.00		0.67

18 - 11/15/2022: Wheat, silage, soft dough

18

Sample and source description: 18

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 62.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	18,870.00	2,580.00	20,100.00		12.00
<b>DL</b>	500.00	100.00	200.00		0.67

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

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

19 - 12/04/2019: Alfalfa, hay

19

Sample and source description: 19

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

Moisture: 6.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	40,800.00	3,810.00	25,600.00		9.70
DL	500.00	100.00	200.00		0.67

2 - 04/17/2023: Corn, silage

2

Sample and source description: 2

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

Moisture: 62.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,940.00	2,980.00	20,400.00		8.60
DL	500.00	100.00	200.00		0.67

20 - 11/15/2022: Wheat, silage, soft dough

20

Sample and source description: 20

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,670.00	2,050.00	17,900.00		11.50
DL	500.00	100.00	200.00		0.67

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

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

21 - 12/02/2020: Alfalfa, hay

21

Sample and source description: 21

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

Moisture: 11.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	35,900.00	3,250.00	33,100.00		10.10
<b>DL</b>	500.00	100.00	200.00		0.67

22 - 11/14/2022: Wheat, silage, soft dough

22

Sample and source description: 22

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	18,250.00	2,530.00	21,400.00		12.00
<b>DL</b>	500.00	100.00	200.00		0.67

23 - 04/25/2023: Corn, silage

23

Sample and source description: 23

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

Moisture: 61.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,600.00	2,960.00	20,060.00		8.40
<b>DL</b>	500.00	100.00	200.00		0.67

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

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

24 - 04/25/2023: Corn Earlage

24

Sample and source description: 24

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

Moisture: 41.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	17,200.00	2,770.00	20,300.00		10.30
DL	500.00	100.00	200.00		0.67

25 - 12/02/2020: Alfalfa, hay

25

Sample and source description: 25

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

Moisture: 8.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	32,500.00	2,920.00	29,100.00		10.50
DL	500.00	100.00	200.00		0.67

26 - 12/23/2022: Oats, hay

26

Sample and source description: 26

Sample date: 06/23/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 6.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	25,476.00	4,260.00	19,100.00		17.20
DL	500.00	100.00	200.00		0.67

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

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

27 - 12/26/2022: Wheat, silage, soft dough

27

Sample and source description: 27

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	17,640.00	2,490.00	18,900.00		11.00
<b>DL</b>	500.00	100.00	200.00		0.67

28 - 04/24/2023: Corn, silage

28

Sample and source description: 28

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

Moisture: 63.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	15,610.00	2,840.00	20,800.00		8.40
<b>DL</b>	500.00	100.00	200.00		0.67

29 - 12/03/2022: Alfalfa, hay

29

Sample and source description: 29

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

Moisture: 7.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	36,600.00	2,370.00	13,400.00		9.70
<b>DL</b>	500.00	100.00	200.00		0.67

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

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

3 - 11/29/2022: Wheat, silage, soft dough

3

Sample and source description: 3

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,260.00	2,140.00	20,000.00		11.90
DL	500.00	100.00	200.00		0.67

30 - 04/23/2023: Corn, silage

30

Sample and source description: 30

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

Moisture: 62.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	15,490.00	2,960.00	20,900.00		9.00
DL	500.00	100.00	200.00		0.67

31 - 11/12/2022: Wheat, silage, soft dough

31

Sample and source description: 31

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,560.00	2,230.00	19,300.00		12.00
DL	500.00	100.00	200.00		0.67

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

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

32 - 03/11/2017: Almond, in shell

32

Sample and source description: 32

Sample date: 10/12/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 13.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	99,200.00	16,100.00	76,000.00		52.50
<b>DL</b>	500.00	100.00	200.00		0.67

33 - 04/20/2023: Corn, silage

33

Sample and source description: 33

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

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	15,890.00	2,740.00	20,600.00		8.90
<b>DL</b>	500.00	100.00	200.00		0.67

34 - 12/01/2022: Wheat, silage, soft dough

34

Sample and source description: 34

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	19,280.00	2,500.00	18,600.00		11.90
<b>DL</b>	500.00	100.00	200.00		0.67

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

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

35 - 11/14/2022: Wheat, silage, soft dough

35

Sample and source description: 35

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	19,220.00	2,270.00	19,300.00		11.90
<b>DL</b>	500.00	100.00	200.00		0.67

4 - 12/03/2021: Alfalfa, hay

4

Sample and source description: 4

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

Moisture: 6.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	38,800.00	3,750.00	25,500.00		9.00
<b>DL</b>	500.00	100.00	200.00		0.67

5 - 04/21/2023: Corn, silage

5

Sample and source description: 5

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

Moisture: 61.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	15,670.00	2,740.00	20,500.00		9.10
<b>DL</b>	500.00	100.00	200.00		0.67

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

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

6 - 11/04/2019: Alfalfa, hay

6

Sample and source description: 6

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

Moisture: 6.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	37,600.00	3,690.00	26,800.00		10.30
DL	500.00	100.00	200.00		0.67

7 - 11/28/2022: Wheat, silage, soft dough

7

Sample and source description: 7

Sample date: 06/01/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 60.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,220.00	2,460.00	19,700.00		11.60
DL	500.00	100.00	200.00		0.67

8 - 04/22/2023: Corn, silage

8

Sample and source description: 8

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

Moisture: 62.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,110.00	3,120.00	19,200.00		8.70
DL	500.00	100.00	200.00		0.67

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

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

9 - 04/23/2023: Corn, silage

9

Sample and source description: 9

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

Moisture: 61.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	16,400.00	2,830.00	19,810.00		8.30
<b>DL</b>	500.00	100.00	200.00		0.67

**F. SUBSURFACE (TILE) DRAINAGE ANALYSES**

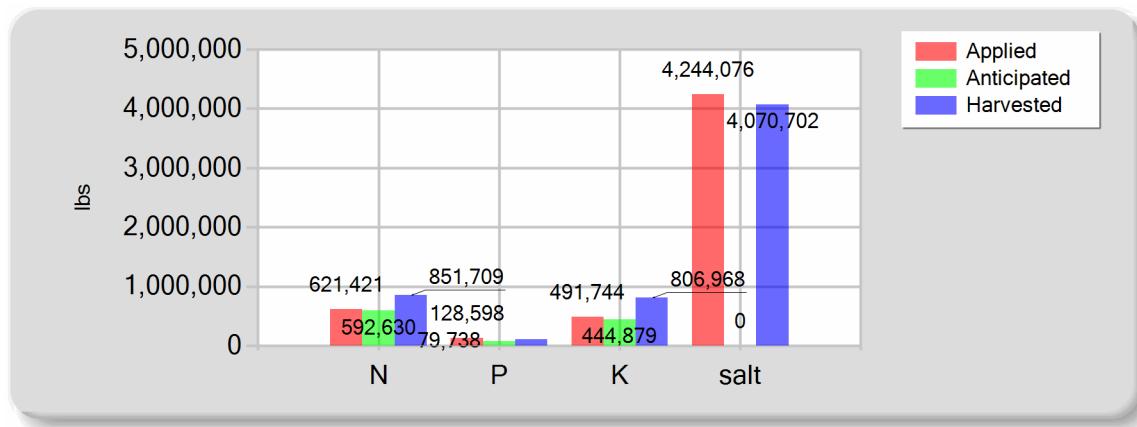
*No subsurface (tile) drainage analyses entered.*

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

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

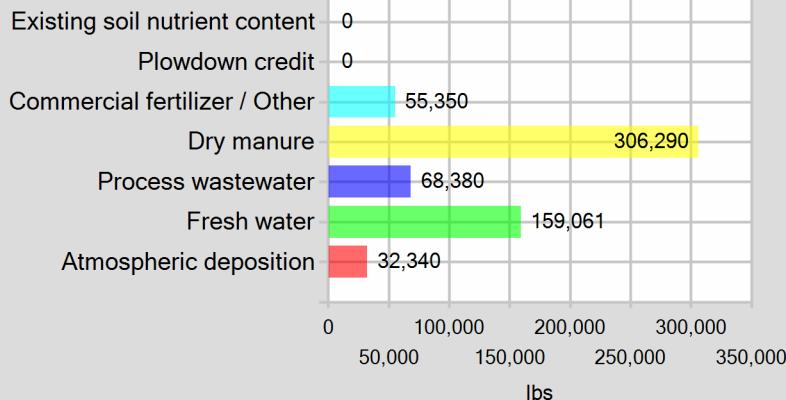
**NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE****A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**

	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	55,350.00	0.00	0.00	0.00
Dry manure	306,289.96	123,601.44	459,169.62	0.00
Process wastewater	68,380.37	4,996.83	32,574.79	247,217.40
Fresh water	159,060.71	0.00	0.00	3,996,858.83
Atmospheric deposition	32,340.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>621,421.05</b>	<b>128,598.27</b>	<b>491,744.41</b>	<b>4,244,076.22</b>
Anticipated crop nutrient removal	592,629.80	79,737.70	444,878.52	0.00
Actual crop nutrient removal	851,709.18	109,779.34	806,968.34	4,070,702.36
<b>Nutrient balance</b>	<b>-230,288.13</b>	<b>18,818.94</b>	<b>-315,223.93</b>	<b>173,373.86</b>
Applied to removed ratio	0.73	1.17	0.61	1.04

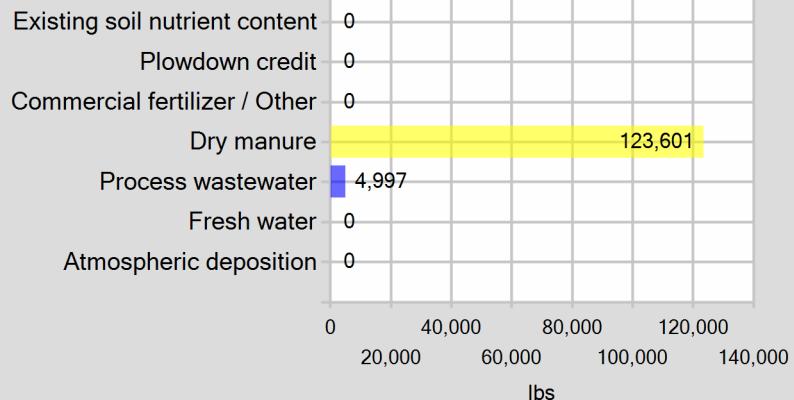
**B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL**

## C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

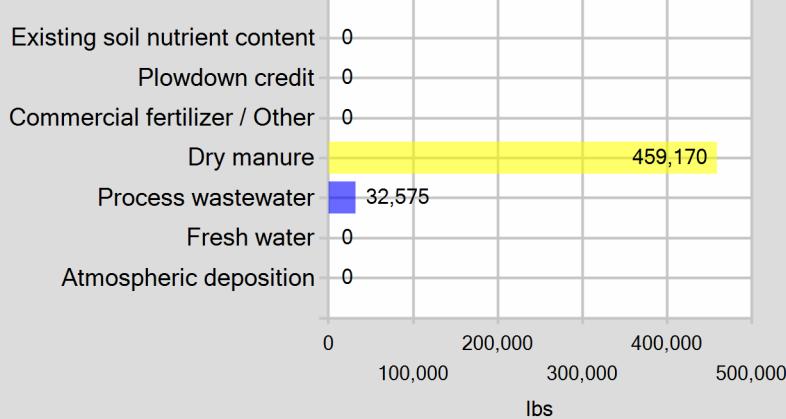
Pounds of nitrogen applied



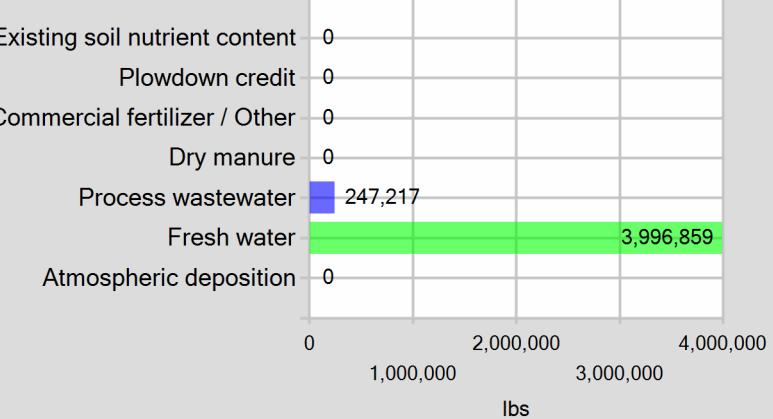
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

**EXCEPTION REPORTING**

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

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

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

**B. STORM WATER DISCHARGES**

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

*No stormwater discharges occurred during the reporting period.*

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

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

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

**NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS**

**A. NUTRIENT MANAGEMENT PLAN STATEMENTS**

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

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

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

**B. EXPORT AGREEMENT STATEMENT**

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

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

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

**ADDITIONAL NOTES**

**A. NOTES**

Wastewater and dry manure was imported from Frank Lawrence Dairy. Refer to the ATTACHMENT D: Manure/Process Wastewater Tracking Manifest for more information. A copy has been included with this Annual Report. Crop data from fields that received imported material from Frank Lawrence Dairy has been included in this annual report.

The Water used in the fields 11 (walnuts) and 32 (Almonds) was applied with Micro Sprinklers and that is for the months totals.

Well 27 in field 34 was not used in 2023, due to ample surface water, no sample was collected.

**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

Steve Lawrence

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

Steve Lawrence

PRINT OR TYPE NAME

6/29/24

DATE

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

**2022-2023 Export Summary Record of Dry Manure and Process Wastewater Transferred  
from Frank Lawrence Dairy to LK Ranches Dairy**

**Transfer of dry manure solids from Frank Lawrence Dairy to LK Ranches Dairy**

Start Date	LK Ranches Field	APN No.	Acres	Volume Exported (tons)	lb/ton							
					N	P	K	N (lbs)	P (lbs)	K (lbs)	Sample Date	Sample ID
11/9/2022	31	X073-0012-X018-0000	76	380	33.6	14.2	44.8	12,768	5,396	17,024	8/24/2021	Feedlot Manure (FL)
11/11/2022	22	X016-0100-X024-0000	32	160	33.6	14.2	44.8	5,376	2,272	7,168	8/24/2021	Feedlot Manure (FL)
11/9/2022	35	X073-0120-X030-0000	38	190	38.9	17	49	7,391	3,230	9,310	8/24/2021	Corral Manure (FL)
11/12/2022	18	X118-0010-X021-0000	25	130	38.9	17	49	5,057	2,210	6,370	8/24/2021	Corral Manure (FL)
11/11/2022	20	X016-0230-X002-0000	28	140	33.6	14.2	44.8	4,704	1,988	6,272	8/24/2021	Feedlot Manure (FL)
11/12/2022	17	X118-0010-X028-0000	74	370	38.9	17	49	14,393	6,290	18,130	5/10/2022	Corral Manure (FL)
11/10/2022	34	X118-0060-X019-0000	100	500	33.6	14.2	44.8	16,800	7,100	22,400	5/10/2022	Feedlot Manure (FL)
12/22/2022	27	X118-0020-X028-0000	118	940	38.9	17	49	36,566	15,980	46,060	5/10/2022	Corral Manure (FL)
4/13/2023	2	X073-0120-X033-0000	75	600	34.3	15.62	44.9	20,580	9,372	26,940	5/10/2022	Corral Manure (FL)
4/16/2023	15	X118-0010-X027-0000	97	490	34.3	15.62	44.9	16,807	7,654	22,001	5/10/2022	Corral Manure (FL)
4/16/2023	1	X118-0020-X021-0000	112	900	34.3	15.62	44.9	30,870	14,058	40,410	5/10/2022	Corral Manure (FL)
4/15/2023	33	X118-0060-X002-0000	50	400	34.3	15.62	44.9	13,720	6,248	17,960	8/24/2021	Corral Manure (FL)
4/17/2023	8	X073-0120-X034-0000	78	620	34.3	15.62	44.9	21,266	9,684	27,838	8/24/2021	Corral Manure (FL)
4/17/2023	9	X073-0120-X034-0000	76	380	32.1	13.9	42.4	12,198	5,282	16,112	8/24/2021	Feedlot Manure (FL)
4/17/2023	30	X073-0120-X036-0000	35	180	34.3	15.62	44.9	6,174	2,812	8,082	8/24/2021	Corral Manure (FL)
4/21/2023	28	X073-0012-X027-0000	74	370	34.3	15.62	44.9	12,691	5,779	16,613	5/10/2022	Corral Manure (FL)
4/21/2022	23	X016-0100-X027-0000	38	190	32.1	13.9	42.4	6,099	2,641	8,056	5/10/2022	Feedlot Manure (FL)
4/22/2023	10	X073-0120-X034-0000	75	380	34.3	15.62	44.9	13,034	5,936	17,062	5/10/2022	Corral Manure (FL)
<b>Annual Total</b>				<b>7,320</b>	<b>629</b>	<b>278</b>	<b>819</b>	<b>256,494</b>	<b>113,932</b>	<b>333,808</b>		

**Transfer of wastewater from Frank Lawrence Dairy to LK Ranches Dairy**

Date	LK Ranches Field	APN No.	Acres	Volume Exported (gal)	lbs/1000 gal							
					N	P	K	N (lbs)	P (lbs)	K (lbs)	Sample Date	Sample ID
10/4/2022	20	X016-0230-X002-0000	28	576,000	4.10	0.91	3.83	2361.60	524.16	2206.08	12/6/2022	Pond 2 Middle
10/20/2022	17	X118-0010-X028-0000	74	558,000	4.10	0.91	3.83	2287.80	507.78	2137.14	12/6/2022	Pond 2 Middle
1/7/2023	5	X073-0012-X010-0000	83	765,000	3.35	1.09	7.21	2560.71	832.46	5516.17	2/6/2023	Pond 2 Middle
1/31/2023	28	X073-0012-X027-0000	74	918,000	3.35	1.09	7.21	3072.85	998.95	6619.41	2/6/2023	Pond 2 Middle
2/9/2023	9	X073-0120-X034-0000	76	1,314,000	3.35	1.09	7.21	4398.39	1429.88	9474.84	2/6/2023	Pond 2 Middle
2/9/2023	30	X073-0120-X036-0000	35	882,000	3.35	1.09	7.21	2952.34	959.78	6359.82	2/6/2023	Pond 2 Middle
2/17/2023	15	X118-0010-X027-0000	97	1,278,000	3.35	1.09	7.21	4277.88	1390.70	9215.25	2/6/2023	Pond 2 Middle
3/3/2023	31	X073-0012-X018-0000	76	1,278,000	3.35	1.09	7.21	4277.88	1390.70	9215.25	2/6/2023	Pond 2 Middle
4/1/2023	20	X016-0230-X002-0000	28	900,000	3.34	1.03	6.95	3005.08	925.86	6254.70	5/10/2023	Pond 2 Middle
4/24/2023	17	X118-0010-X028-0000	74	1,278,000	3.34	1.03	6.95	4267.22	1314.72	8881.67	5/10/2023	Pond 2 Middle
4/27/2023	18	0-X020-0000 X118-0010-X	25	576,000	3.34	1.03	6.95	1923.25	592.55	4003.01	5/10/2023	Pond 2 Middle
5/15/2023	12	0-X025-0000 X118-0010-X	63	972,000	3.34	1.03	6.95	3245.49	999.93	6755.07	5/10/2023	Pond 2 Middle
6/12/2023	15	X118-0010-X027-0000	97	1,422,000	3.34	1.03	6.95	4748.03	1462.86	9882.42	5/10/2023	Pond 2 Middle
7/17/2023	28	X073-0012-X027-0000	74	1,440,000	3.25	0.80	6.39	4675.91	1157.56	9208.79	9/11/2023	Pond 2 Middle
8/1/2023	15	X118-0010-X027-0000	97	1,440,000	3.25	0.80	6.39	4675.91	1157.56	9208.79	9/11/2023	Pond 2 Middle
8/14/2023	14	X118-0010-X027-0000	72	1,008,000	3.25	0.80	6.39	3273.14	810.29	6446.16	9/11/2023	Pond 2 Middle
10/17/2023	12	0-X025-0000 X118-0010-X	63	1,332,000	2.75	0.76	6.23	3669.21	1008.77	8300.84	11/21/2023	Pond 2 Middle
10/20/2023	13	X118-0010-X026-0000	112	975,000	2.75	0.76	6.23	2685.79	738.40	6076.06	11/21/2023	Pond 2 Middle
12/11/2023	15	X118-0010-X027-0000	97	1,764,000	2.75	0.76	6.23	4859.22	1335.94	10993.00	11/21/2023	Pond 2 Middle
<b>Annual Total</b>				<b>20,676,000</b>	<b>63</b>	<b>18</b>	<b>124</b>	<b>67,218</b>	<b>19,539</b>	<b>136,754</b>		

# DeGroot Environmental

5250 W. JEFFERSON AVE FRESNO CA 93706  
PHONE: (559) 307-0690  
[matthew78degroot@gmail.com](mailto:matthew78degroot@gmail.com)

## 2023 Groundwater Well Report

**Dairy:** LK Ranches Dairy  
**Contact:** Steve Lawrence  
**Address:** 29007 Road 56  
Visalia, CA 93277

**Dairy:** Frank Lawrence Dairy  
**Contact:** Steve Lawrence  
**Address:** 27476 Road 52  
Visalia, CA 93277

### Summary

Twenty seven wells and two Canals were sampled at the LK Ranches Dairy and the Frank Lawrence Dairy by DeGroot Environmental personnel. Samples were collected on July 10, July 27, September 8, and December 13, 2023. The samples collected are listed below. Electrical conductivity (EC) was measured in the laboratory. Ammonium presence was measured in the field using test strips. Results were recorded on the sampling record for each sample collected. Samples were collected in bottles provided by the testing laboratory. The samples were placed in a cooler with ice packs and delivered to BSK Analytical Laboratories, an ELAP laboratory. Well samples were analyzed as defined in the MRP, updated in 2013. The five year analysis was performed on approximately 20% of the wells sampled.

<u>Wells Sampled</u>	<u>Wells Sampled</u>	<u>Wells Sampled</u>
8	3	12
24	5	LK Dairy
33	Canal	New Barn Pressure
14	Canal 2	Big Barn
35	18	Steve House
20	17	New Feedlot Pressure
21	36	White Ranch
26	11	
22	30	
23	7	
1	6	

Note: The following wells were non operational in 2022 because they went dry or mechanical problems: 2, 4, 9, 10, 13, 15, 16, 25, 28, 29, 31, 32, 34, Hakker, Road 52 Homes, Feedlot, Old Barn, Stuhaan Shop, D-2, Shannon North, 1st Avenue, Vega, and Mark's Home. Well 27 did not run due to ample surface water and no sample was collected.

Attached are copies of the field records developed when samples were collected, the Chain of Custody forms, maps showing well locations, and the analytical results from BSK Analytical Laboratories.

# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: 1K Dairy

Date: \_\_\_\_\_

Source ID: 8

Time: 1017

Source Location: N side of Fld 4

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.

Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: UK Dairy

Date: \_\_\_\_\_

Source ID: 33

Time: 1041

Source Location: NW Corner of Fld 2

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature: Matthew Degroot

# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 14

Time: 1053

Source Location: E side of F111

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

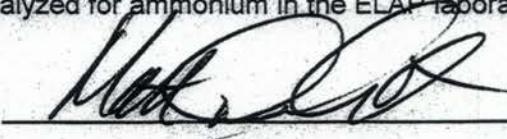
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

matthewdegroot@comcast.net

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.

Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 35

Time: 1107

Source Location: NE Corner of Fld 12

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

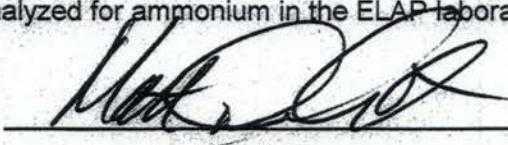
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe . Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 20

Time: 1115

Source Location: SE Corner of Fd 12

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

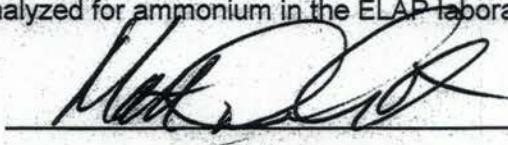
EC \_\_\_\_\_ (µS or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature: 

# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 21

Time: 1121

Source Location: E side of Fld 13

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

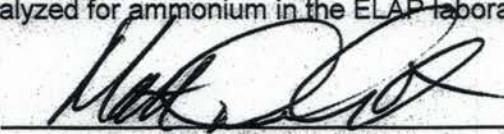
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe . Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

matthewdegroot@comcast.net

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 26

Time: 1138

Source Location: E Side of Fld 26

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

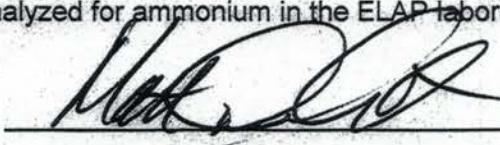
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 22

Time: 1146

Source Location: SE Corner of Fld 25

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

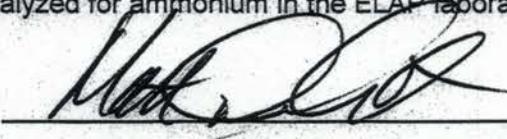
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 23

Time: 1152

Source Location: E Side of FH21

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

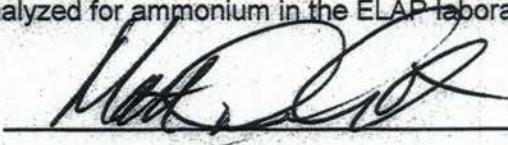
EC:  Measured in laboratory.  Field measurement. EC \_\_\_\_\_ (µS or mS)  
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 1

Time: 1204

Source Location: NE Corner of Fld 17

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LH Dairy

Date: \_\_\_\_\_

Source ID: 3

Time: 1212

Source Location: SE corner of Fd 15

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

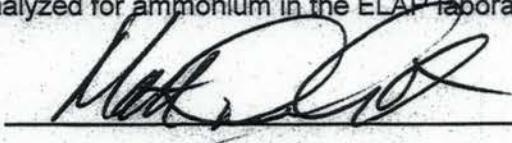
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 5

Time: 1220

Source Location: SE Corner of Fld 14

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: Canal

Time: 1236

Source Location: N side of F11

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.

Field measurement.

EC \_\_\_\_\_ (µS or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent

Not Applicable.

Notes: Took from Canal. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature: Mark D. D

# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: Canal 2

Time: 1246

Source Location: E Side of Fld 32

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Canal. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR. KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 18

Time: 1053

Source Location: NE Corner of 29

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

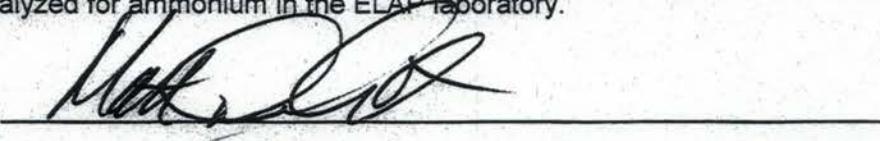
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR. KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 17

Time: 1106

Source Location: E Side of Fl 30

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

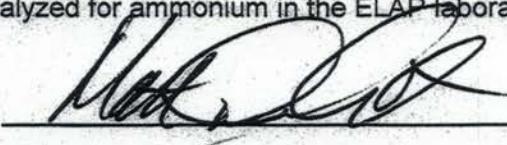
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR. KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy Date: \_\_\_\_\_  
Source ID: 36 Time: 1120  
Source Location: SW corner of Fld 8

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature: Matthew Degroot

# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR. KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.

Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: \_\_\_\_\_

Source ID: 11

Time: 1136

Source Location: NE Corner of Fl 6

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

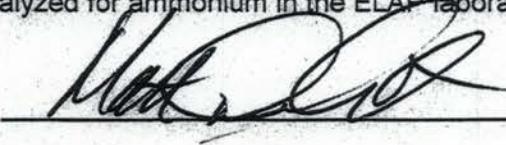
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection. Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 9-8-23

Source ID: 3D

Time: 0900 1124

Source Location: SE corner of FID 32

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 9-8-23

Source ID: 7

Time: 0000 1137

Source Location: E side of Fld 19

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

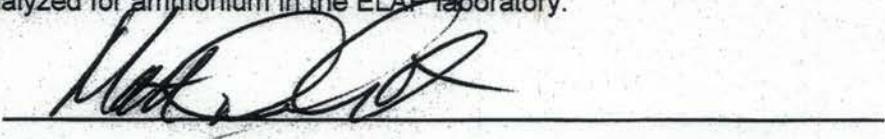
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe . Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631  
PHONE: (559) 307-0690  
[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 9-7-23

Source ID: 6

Time: 1144

Source Location: NW corner of F. Lawrence Dairy

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

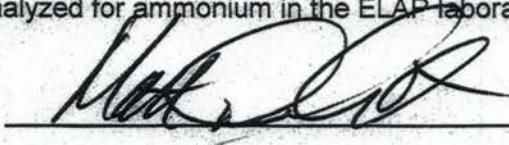
EC:  Measured in laboratory.  Field measurement. EC \_\_\_\_\_ (µS or mS)  
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR. KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.

Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-13-23

Source ID: 12

Time: 1040

Source Location: NE Corner of Fld 1

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

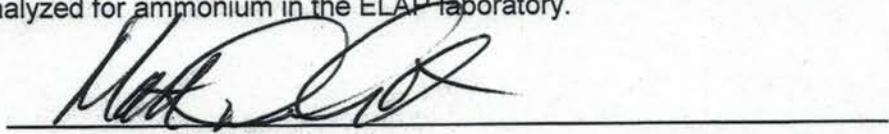
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from discharge pipe. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-10-23

Source ID: LK Dairy

Time: 1058

Source Location: Next Milk Barn.

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from milkhouse sink. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-10-23

Source ID: New Barn Pressure

Time: 1115

Source Location: W of Big Barn

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

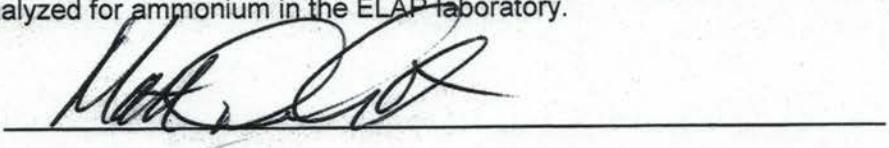
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Spiggett's well. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.

Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-10-23

Source ID: Big Barn

Time: 1121

Source Location: W ab F. Lawrence Dairy

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

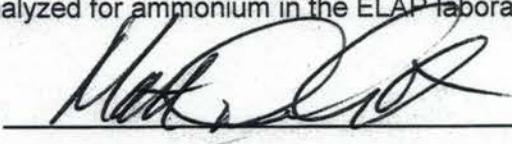
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Spiggett's Well. Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-10-23

Source ID: Steve House

Time: 1136

Source Location: W side of Fl 15

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ ( $\mu$ S or mS)

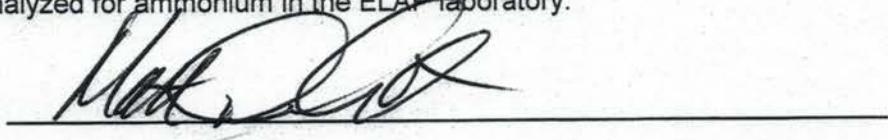
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from tank. . Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.

Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-10-23

Source ID: Feed lot pressure

Time: 1151

Source Location: S of Feed lot

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

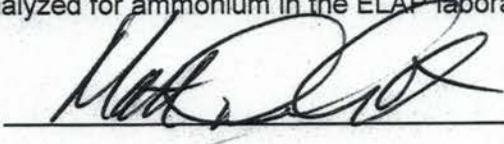
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Well head . Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection. Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



# DEGROOT ENVIRONMENTAL

2705 8TH AVENUE DR, KINGSBURG, CA 93631

PHONE: (559) 307-0690

[matthewdegroot@comcast.net](mailto:matthewdegroot@comcast.net)

## FRESH WATER SAMPLING RECORD

For any fresh water source, such as domestic wells, irrigation wells or canal water used for irrigation.  
Refer to the Sampling and Analysis Plan for details of how the sample should be collected.

Facility: LK Dairy

Date: 12-10-23

Source ID: White Ranch

Time: 1207

Source Location: NE corner of El d 30

### Sample Properties at Time of Sampling

Sample Type:  Groundwater Well  Surface Water

EC:  Measured in laboratory.  
 Field measurement.

EC \_\_\_\_\_ (µS or mS)

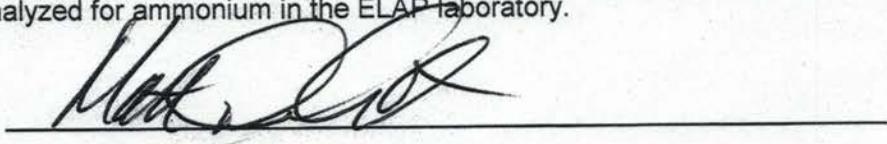
Circle the correct units for EC.

Ammonium:  Field measurement.  Present  Absent  
 Not Applicable.

Notes: Took from Tank. . Sample clear and no smell.

Sample should be delivered to an ELAP Certified Laboratory for testing within 48 hours of collection.  
Field testing for ammonium is only required for groundwater wells. If ammonium is present, sample must  
also be analyzed for ammonium in the ELAP laboratory.

Sampler Signature:



**BSK ANALYTICAL  
LABORATORIES**

1414 Stanislaus Street, Fresno, CA 93706-1623  
(559) 497-2888 • FAX (559) 497-2893 • www.bsklabs.com

\* Required Fields

Client/Company Name \*:

**LK Dairy**

Report Attention \*:  
*Steve Lawrence/Matt DeGroot*

Phone #: 559-307-0699 FAX #: 280-1211

E-mail: matthewdegroot@comcast.net

Address \*: **286 R Bend Rd Visalia CA 93277**

City \*: Visalia State \*: CA Zip \*: 93277

Project Information:

Other: N/A

How would you like your completed results sent?  E-Mail  Fax  EDD  Mail Only

Sampler Name/Printed / Signature:  
**Matt DeGroot**

OC Request

Result Request \*\* Surcharge

2std  Day\*  2 Day\*  1 Day\*\*

Regulatory Compliance  
Electronic Data Transfer:  Y  N

System No. \*

Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water  
RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

**RB5-Well**

**RB5-well-5 Year Test**

**RB5 Surface**

**COC created**

ANALYSIS REQUESTED

**ANALYTICAL**

**PJ 1062  
#77**

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code
1		7-10-23	1017	8	RGW	
2		1029	24			X
3		1041	33			X
4		1053	14			X
5		1107	35			X
6		1115	20			X
7		1121	21			X
8		1138	26			X
9		1146	22			X
10		1152	23			X
11		1204				X

Received by (Signature and Printed Name): *Steve Lawrence/Matt DeGroot*

Company: **DeGroot Environmental**

Date: 7-10-23 Time: 1704

Received by (Signature and Printed Name): *Steve Lawrence/Matt DeGroot*

Company: **DeGroot Environmental**

Date: 7-10-23 Time: 1704

Received by (Signature and Printed Name): *Steve Lawrence/Matt DeGroot*

Company: **DeGroot Environmental**

Date: 7-10-23 Time: 1704

Received for Lab by: (Signature and Printed Name)

*Steve Lawrence/Matt DeGroot*

Company: **DeGroot Environmental**

Date: 7-10-23 Time: 1704

Received by (Signature and Printed Name): *Steve Lawrence/Matt DeGroot*

Company: **DeGroot Environmental**

Date: 7-10-23 Time: 1704

Shipping Method:

CAO UPS GSE WALK-IN-SJNC FED EX OTHER

Cooling Method:

WET BLUE NONE

Notice: Payment for services rendered is due when invoice is due in full within 30 days from when invoice is rendered. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service billing charges and interest calculated at 1 1/2% per month, 18% per annum. BSK & Associates shall be entitled to recover on delinquent accounts, costs of collection, including attorney's fees incurred prior to or in litigation whether concluded by judgement, settlement, compromise or otherwise. The person signing for the Client/Company expressly acknowledges that they are either the Client or authorized agent to the Client and the Client agrees to be responsible for payment for analytical services on this Chain of Custody. Any modification of the analysis requested, either type or quantity, will be noted and signed upon this Chain of Custody. The turn around time for any samples received after 3:00 pm will begin the next business day.



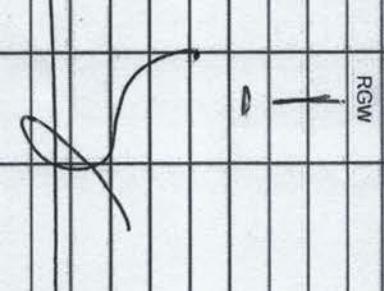
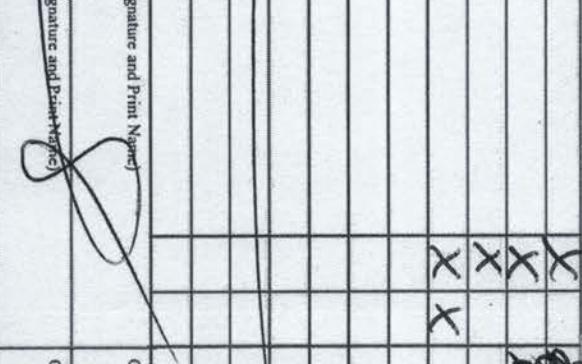
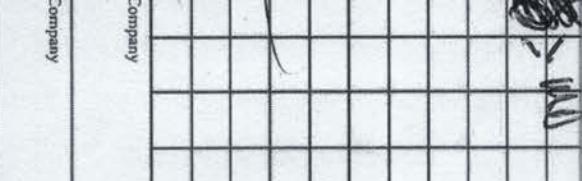
**BSK** ANALYTICAL  
LABORATORIES

1414 Stanislaus Street, Fresno, CA 93706-1623  
(559) 497-2888 • FAX (559) 497-2893 • [www.l](http://www.l)

klabs.com

## ANALYTICAL

\* Required Fields

Client/Company Name *: <b>45 Dairy</b>		Report Attention *: <b>Steve Lawrence</b>	Phone # *: <b>559-307-0690</b>
Address *: <b>28678 Road 48 Visalia CA 93277</b>		State *: <b>CA</b>	Zip *: <b>93277</b>
Project Information:		PO #	Carbon Copies: (Circle One) CDHS <input type="checkbox"/> Fresno Co <input type="checkbox"/> EPA <input type="checkbox"/> Merced Co <input type="checkbox"/> Tulare Co <input type="checkbox"/> Other: N/A
How would you like your completed results sent? <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Fax <input type="checkbox"/> EDD <input checked="" type="checkbox"/> Mail Only		QC Request	Regulatory Compliance Electronic Data Transfer: System No. * <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Sampler Name Printed / Signature <b>Matt DeGroot</b>		Result Request ** Surcharge <input type="checkbox"/> STD <input checked="" type="checkbox"/> Level II <input type="checkbox"/> 3 Day* <input type="checkbox"/> 2 Day** <input type="checkbox"/> 1 Day**	E-mail: <b>matthewdegroot@comcast.net</b>
Matrix Types: RSW = Raw Surface Water RGW = Raw Ground Water		CFW = Chlorinated Finished Water FW = Finished Water WW = Waste Water SW = Storm Water	CWW = Chlorinated Waste Water BW = Bottled Water DW = Drinking Water SO = Solid
Sample #	Batch#	Sample Description / Location *	Matrix *
1	1053	18	RGW X
2	1106	17	RGW X
3	1120	36	RGW X
4	1136	11	RGW X
  			
ANALYSIS REQUESTED			
Relinquished by: (Signature and Printed Name) <b>Matt DeGroot</b>		Company DeGroot Environmental	Date <b>7-28-03</b>
Relinquished by: (Signature and Printed Name)		Company	Date Time
Received for Lab by: (Signature and Printed Name) <b>Matt DeGroot</b>		Received by (Signature and Printed Name) <b>Matt DeGroot</b>	Company
Shipping Method: <b>WET</b>		Payment Received at Delivery: Date: <b>7/28/03</b>	Check/Cash/Card PIA #
CAO UPS GSO WALK-IN SWC FED EX OTHER		Amount:	Init
Packing Material:			

**Notice: Payment for services rendered is now being made in full within 30 days from when rendered. If not paid, account balances are due and delinquent. Delinquent balances are subject to monthly non-salary billing charges and interest calculated at 11.75% per month. 1894 per annum. BSK & Associates shall be entitled to recover all collection costs, costs of collection, including attorney's fees incurred prior to or in litigation whether successful or otherwise. The person agreeing for the client company expressly acknowledges that they will not enter the Clerk's office or otherwise appear before the Clerk or Sheriff. The turn around time for my samples corrected after 3,000 ppm will begin in the next business day.**



**BSK ANALYTICAL  
LABORATORIES**

1414 Stanislaus Street, Fresno, CA 93706-1623  
(559) 497-2888 • FAX (559) 497-2893 • www.bsklabs.com

\* Required Fields

TEMP: 60 #77

**ANALYTICAL**

Client/Company Name \*: LK Ranches Dairy Lawrence/Matt DeGroot Report Attention \*: Steve Matt DeGroot

Phone \* #: 559-307-0690 FAX \* #: 220

E-mail: matthewdegroot@comcast.net

Address: 28678 Hwy 46 City: Visalia State: CA Zip: 93277

Project Information: PO #  PO #  PO #  PO #

Quote #  Quote #  Quote #  Quote #

How would you like your completed results sent?  E-Mail  Fax  EDD  Mail Only

QC Request  Result Request \*\*  Surcharge

Regulatory Compliance:  Y  N

Electronic Data Transfer:  Y  N

System No. \*  Other: None

Sampler Name Printed / Signature: Matt DeGroot

Matrix Types: R.SW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water

RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

Matrix \*: RB5-Well

Comments / Station Code: RB5-well-5 Year Test

RB5 Surface

COC created

Relinquished by: (Signature and Printed Name) Matt DeGroot

Company: DeGroot Environmental

Date: 12/13/02 Time: 13:02

Received by (Signature and Print Name)

Company

Received by (Signature and Print Name)

Company

Relinquished by: (Signature and Printed Name) Bel Gruen

Company:

Date: 12/13/02 Time: 14:00

Payment Received at Delivery:

Amount:  Date:  Check/Cash/Card:  PIA #:  Init:

Cooling Method: WET BLUE NONE

Packing Material:

Shipping Method:

CAO UPS GSO WALK-IN SJVC FED EX OTHER

Notice: Payment for services rendered as noted herein are due in full within 30 days from when rendered. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service/billing charges and interest calculated at 1 1/2% per month, 18% per annum. BSK & Associates shall be entitled to recover on delinquent accounts, costs of collection, including attorney's fees and legal costs to or in litigation whether conducted by judgment, arbitration, compromise or otherwise. The person signing for the Client/Company expressly acknowledges that they are either the Client or authorized agent to the Client and the Client agrees to be responsible for payment for analytical services on this Chain of Custody. Any modification of the analysis requested, other type or quantity, will be noted and signed upon this Chain of Custody. The turn around time for any samples received after 3:00 pm will begin the next business day.