

**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:** Mt. Whitney Dairy

Physical address of dairy:

2792 W Mt. Whitney AVE

Number and Street

Riverdale

City

Fresno

County

93656

Zip Code

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

Date facility was originally placed in operation: 09/01/1946Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0055-0260-043S-0000

**B. OPERATORS**

Kamper, Cornelis Jr.

Operator name: <u>Kamper, Cornelis Jr.</u>	Telephone no.: <u>(559) 867-4204</u>	<u>(559) 260-0661</u>
	<u>Landline</u>	<u>Cellular</u>
20600 S Marks AVE	Riverdale	CA
Mailing Address Number and Street	City	State
		Zip Code

Kamper, Rodney G.

Operator name: <u>Kamper, Rodney G.</u>	Telephone no.: <u>(559) 867-4204</u>	<u>(559) 260-9712</u>
	<u>Landline</u>	<u>Cellular</u>
20784 S Marks AVE	Riverdale	CA
Mailing Address Number and Street	City	State
		Zip Code

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

Kamper, Travis G.

Operator name: <u>Kamper, Travis G.</u>	Telephone no.: <u>(559) 867-4204</u>	<u>(559) 288-1791</u>
	<u>Landline</u>	<u>Cellular</u>
2836 W Mt. Whitney AVE	Riverdale	CA
Mailing Address Number and Street	City	State
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**C. OWNERS**

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Kamper, Cornelis Jr.

Legal owner name: Kamper, Cornelis Jr.	Telephone no.: (559) 867-4204	(559) 260-0661
	Landline	Cellular
20600 S Marks AVE	Riverdale	CA
Mailing Address Number and Street	City	State
		Zip Code

Kamper, Rodney G.

Legal owner name: Kamper, Rodney G.	Telephone no.: (559) 867-4204	(559) 260-9712
	Landline	Cellular
20784 S Marks AVE	Riverdale	CA
Mailing Address Number and Street	City	State
		Zip Code

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

Kamper, Travis G.

Legal owner name: Kamper, Travis G.	Telephone no.: (559) 867-4204	(559) 288-1791
	Landline	Cellular
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**AVAILABLE NUTRIENTS**

**A. HERD INFORMATION**

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	1,725	275	750	600	250	0
Number under roof	0	0	0	0	0	0
Maximum number	1,725	275	1,750	600	250	0
Average number	1,725	275	750	600	250	0
Avg live weight (lbs)	1,300	1,500	1,000	600		

Predominant milk cow breed: Holstein

Average milk production: 87 pounds per cow per day

**B. MANURE GENERATED**

Total manure excreted by the herd: 65,975.34 tons per reporting period

Total nitrogen from manure: 814,606.21 lbs per reporting period

After ammonia losses (30% loss applied): 570,224.35 lbs per reporting period

Total phosphorus from manure: 135,424.79 lbs per reporting period

Total potassium from manure: 349,619.94 lbs per reporting period

Total salt from manure: 875,452.50 lbs per reporting period

**C. PROCESS WASTEWATER GENERATED**

Process wastewater generated: 51,834,000 gallons

Total nitrogen generated: 104,428.40 lbs

$$\begin{aligned}
 & 51,834,000 \text{ gallons applied} \\
 & + 0 \text{ gallons exported} \\
 & - 0 \text{ gallons imported} \\
 & = 51,834,000 \text{ gallons generated}
 \end{aligned}$$

Total phosphorus generated: 33,509.80 lbs

Total potassium generated: 117,425.40 lbs

Total salt generated: 902,855.36 lbs

**D. FRESH WATER SOURCES**

Source Description	Type
Ditch water	Surface water
Well #6	Ground water
Well #7	Ground water
Well #8	Ground water
Well #9	Ground water

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**E. SUBSURFACE (TILE) DRAINAGE SOURCES***No subsurface (tile) drainage sources entered.***F. NUTRIENT IMPORTS***No dry manure nutrient imports entered.**No process wastewater nutrient imports entered.*

Date	Material type / Description	Quantity	Reporting basis	Moisture (%)	N (%)	P (%)	K (%)	Salt (%)
07/15/2023	Liquid commercial fertilizer <i>Liquid commercial fertilizer</i>	13,978.90 gal			30.000000	0.000000	0.000000	0.000000

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Commercial fertilizer / Other	34,996.18	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total imports for all materials	34,996.18	0.00	0.00	0.00

**G. NUTRIENT EXPORTS**

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/29/2023	Scraped material	2,856.60 ton	As-is	54.8		9,100.00	3,100.00	11,800.00		0.00
05/29/2023	Scraped material	6,154.80 ton	As-is	54.8		9,100.00	3,100.00	11,800.00		0.00
06/03/2023	Scraped material	860.00 ton	As-is	32.3		10,100.00	3,800.00	17,300.00		0.00
07/10/2023	Scraped material	259.99 ton	As-is	32.3		10,100.00	3,800.00	17,300.00		0.00
07/13/2023	Scraped material	2,240.00 ton	As-is	32.3		10,100.00	3,800.00	17,300.00		0.00
08/31/2023	Scraped material	1,979.94 ton	As-is	32.3		10,100.00	3,800.00	17,300.00		0.00
11/25/2023	Scraped material	978.68 ton	As-is	32.3		10,100.00	3,800.00	17,300.00		0.00
11/28/2023	Scraped material	4,260.00 ton	As-is	32.3		10,100.00	3,800.00	17,300.00		0.00

*No liquid nutrient exports entered.*

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	377,695.40	136,268.12	578,688.95	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	377,695.40	136,268.12	578,688.95	0.00

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**APPLICATION AREA**

**A. LIST OF LAND APPLICATION AREAS**

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Field #1	13	13	2	process wastewater	0053-0440-013S-0000
Field #10	48	48	2	process wastewater	0055-0260-043S-0000
Field #11	32	32	2	both	0055-0260-043S-0000
Field #12	4	4	2	process wastewater	0055-0260-043S-0000
Field #14	2	2	0	none	0055-0260-043S-0000
Field #15	25	25	2	process wastewater	0053-0130-075P-0001
Field #2	56	56	2	process wastewater	0053-0440-013S-0000
Field #3	32	32	2	both	0053-0440-014S-0000
Field #4	17	17	2	process wastewater	0053-0440-014S-0000
Field #5	24	24	2	process wastewater	0053-0440-014S-0000
Field #6	30	30	2	process wastewater	0053-0130-006S-0000
Field #7	20	20	2	process wastewater	0053-0130-006S-0000 0053-0130-071S-0000
Field #8	26	26	2	process wastewater	0055-0260-043S-0000
Field #9	30	30	2	process wastewater	0055-0260-043S-0000
Totals for areas that were used for application	357	357	26		
Totals for areas that were not used for application	2	2	0		
Land application area totals	359	359	26		

**B. CROPS AND HARVESTS**

Field #1

Field name: Field #1

11/18/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 13      Plant date: 11/18/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	323.50 ton	As-is		65.6	5,800.00	800.00	6,900.00		8.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.90	288.84	89.64	418.32	0.00
Total actual harvest content	24.88	288.66	39.82	343.41	1,489.49

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**Field #1**

06/20/2023: Corn, silage

Crop: Corn, silage      Acres planted: 13      Plant date: 06/20/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/28/2023	343.90 ton	As-is		68.9	3,400.00	700.00	3,900.00		5.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.50	180.20	90.10	254.40	0.00
Total actual harvest content	26.45	179.89	37.04	206.34	839.17

**Field #10**

Field name: Field #10

11/15/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 48      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 (%)
05/09/2023	1,113.80 ton	As-is		70.0	3,900.00	800.00	5,600.00		7.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	23.20	180.96	88.16	315.52	0.00
Total actual harvest content	23.20	180.99	37.13	259.89	1,099.88

06/16/2023: Corn, silage

Crop: Corn, silage      Acres planted: 48      Plant date: 06/16/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/27/2023	1,189.90 ton	As-is		70.9	4,600.00	900.00	4,400.00		5.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.80	228.16	99.20	257.92	0.00
Total actual harvest content	24.79	228.06	44.62	218.15	836.80

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**Field #11**

Field name: Field #11

11/22/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 32      Plant date: 11/22/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/15/2023	286.40 ton	As-is		63.2	4,200.00	700.00	4,800.00		7.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	9.00	75.60	28.80	102.60	0.00
Total actual harvest content	8.95	75.18	12.53	85.92	467.69

06/19/2023: Corn, silage

Crop: Corn, silage      Acres planted: 32      Plant date: 06/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/27/2023	606.80 ton	As-is		70.3	3,700.00	600.00	4,500.00		4.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	19.00	140.60	53.20	205.20	0.00
Total actual harvest content	18.96	140.32	22.76	170.66	540.66

**Field #12**

Field name: Field #12

11/18/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 4      Plant date: 11/18/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	73.30 ton	As-is		64.8	5,100.00	700.00	5,800.00		7.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.30	186.66	62.22	252.54	0.00
Total actual harvest content	18.33	186.92	25.66	212.57	980.46

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**Field #12**

06/06/2023: Corn, silage

Crop: Corn, silage      Acres planted: 4      Plant date: 06/06/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	42.40 ton	As-is		55.7	6,600.00	1,000.00	7,800.00		6.20

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	10.60	139.92	50.88	199.28	0.00
Total actual harvest content	10.60	139.92	21.20	165.36	582.28

**Field #15**

Field name: Field #15

11/05/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 25      Plant date: 11/05/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	890.00 ton	As-is		74.1	4,500.00	900.00	7,000.00		11.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.60	320.40	149.52	598.08	0.00
Total actual harvest content	35.60	320.40	64.08	498.40	2,120.69

06/15/2023: Corn, silage

Crop: Corn, silage      Acres planted: 25      Plant date: 06/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/27/2023	652.24 ton	As-is		66.9	4,500.00	800.00	3,800.00		4.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.10	234.90	93.96	240.12	0.00
Total actual harvest content	26.09	234.81	41.74	198.28	794.48

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**Field #2**

Field name: Field #2

10/29/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 56      Plant date: 10/29/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	1,628.40 ton	As-is		71.7	5,300.00	1,000.00	6,700.00		11.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	29.10	308.46	128.04	465.60	0.00
Total actual harvest content	29.08	308.23	58.16	389.65	1,942.10

06/21/2023: Corn, silage

Crop: Corn, silage      Acres planted: 56      Plant date: 06/21/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/05/2023	1,432.50 ton	As-is		64.9	4,400.00	900.00	3,400.00		5.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	25.60	225.28	102.40	209.92	0.00
Total actual harvest content	25.58	225.11	46.04	173.95	915.83

**Field #3**

Field name: Field #3

11/16/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 32      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 (%)
05/14/2023	639.60 ton	As-is		65.6	5,300.00	900.00	6,500.00		7.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	212.00	80.00	312.00	0.00
Total actual harvest content	19.99	211.87	35.98	259.84	1,003.85

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**Field #3**

06/17/2023: Corn, silage

Crop: Corn, silage      Acres planted: 32      Plant date: 06/17/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/28/2023	<u>787.10 ton</u>	As-is		71.8	3,900.00	800.00	4,100.00		5.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.60	157.44	78.72	226.32	0.00
Total actual harvest content	24.60	191.86	39.36	201.69	707.50

**Field #4**

Field name: Field #4

11/02/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 17      Plant date: 11/02/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/14/2023	<u>188.10 ton</u>	As-is		64.2	3,900.00	600.00	5,500.00		5.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	11.10	86.58	33.30	148.74	0.00
Total actual harvest content	11.06	86.30	13.28	121.71	467.42

06/19/2023: Corn, silage

Crop: Corn, silage      Acres planted: 17      Plant date: 06/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/28/2023	<u>318.20 ton</u>	As-is		69.6	3,200.00	700.00	3,900.00		5.50

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	18.70	145.86	71.06	149.60	0.00
Total actual harvest content	18.72	119.79	26.20	146.00	625.92

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**Field #5**

Field name: Field #5

11/02/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 24      Plant date: 11/02/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	534.40 ton	As-is		67.2	4,300.00	800.00	5,200.00		6.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.30	191.78	80.28	280.98	0.00
Total actual harvest content	22.27	191.49	35.63	231.57	1,007.88

06/15/2023: Corn, silage

Crop: Corn, silage      Acres planted: 24      Plant date: 06/15/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	495.60 ton	As-is		69.7	3,900.00	800.00	3,300.00		4.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.60	226.60	111.24	214.24	0.00
Total actual harvest content	20.65	161.07	33.04	136.29	613.18

**Field #6**

Field name: Field #6

11/02/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 30      Plant date: 11/02/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	638.70 ton	As-is		69.6	4,900.00	1,100.00	5,600.00		8.60

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	21.30	208.74	106.50	285.42	0.00
Total actual harvest content	21.29	208.64	46.84	238.45	1,113.21

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**Field #6**

06/08/2023: Corn, silage

Crop: Corn, silage      Acres planted: 30      Plant date: 06/08/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	628.80 ton	As-is		60.7	5,500.00	1,200.00	4,300.00		4.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	21.00	231.00	113.40	218.40	0.00
Total actual harvest content	20.96	230.56	50.30	180.26	774.30

**Field #7**

Field name: Field #7

11/01/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 20      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/08/2023	483.70 ton	As-is		67.3	4,200.00	1,000.00	5,700.00		7.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	24.20	203.28	106.48	333.96	0.00
Total actual harvest content	24.19	203.15	48.37	275.71	1,170.46

06/09/2023: Corn, silage

Crop: Corn, silage      Acres planted: 20      Plant date: 06/09/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	418.70 ton	As-is		62.6	5,200.00	1,100.00	5,100.00		5.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.90	217.36	104.50	254.98	0.00
Total actual harvest content	20.94	217.72	46.06	213.54	829.95

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**Field #8**

Field name: Field #8

11/03/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 26      Plant date: 11/03/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	675.70 ton	As-is		70.1	5,000.00	1,000.00	5,400.00		0.01

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	26.00	260.00	114.40	338.00	0.00
Total actual harvest content	25.99	259.88	51.98	280.68	1.55

06/13/2023: Corn, silage

Crop: Corn, silage      Acres planted: 26      Plant date: 06/13/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	500.30 ton	As-is		66.0	3,300.00	900.00	4,300.00		5.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	19.20	126.72	76.80	195.84	0.00
Total actual harvest content	19.24	127.00	34.64	165.48	706.58

**Field #9**

Field name: Field #9

11/01/2022: Triticale, soft dough

Crop: Triticale, soft dough      Acres planted: 30      Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/09/2023	837.00 ton	As-is		69.6	5,000.00	1,000.00	6,600.00		9.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	27.90	279.00	128.34	446.40	0.00
Total actual harvest content	27.90	279.00	55.80	368.28	1,594.54

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**Field #9**

06/13/2023: Corn, silage

Crop: Corn, silage      Acres planted: \_\_\_\_\_ 30      Plant date: 06/13/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/26/2023	658.90 ton	As-is		67.3	4,500.00	900.00	4,500.00		5.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	198.00	88.00	242.00	0.00
Total actual harvest content	21.96	197.67	39.53	197.67	818.75

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**NUTRIENT BUDGET**

**A. LAND APPLICATIONS**

Field #1 - 11/18/2022: Triticale, soft dough

Field name: Field #1

Crop: Triticale, soft dough Plant date: 11/18/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
10/15/2022	Surface (irrigation)	No precipitation	No precipitation			No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #6	Ground water	0.09	0.00	0.00	238.52	711,000.00 gal
Application event totals		0.09	0.00	0.00	238.52	
10/17/2022	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
Well #6	Ground water	0.34	0.00	0.00	881.61	2,628,000.00 gal
Application event totals		0.34	0.00	0.00	881.61	
10/19/2022	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
Well #6	Ground water	0.07	0.00	0.00	187.19	558,000.00 gal
Application event totals		0.07	0.00	0.00	187.19	
02/07/2023	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
Process wastewater	Process wastewater	94.29	30.29	106.07	813.21	612,000.00 gal
Application event totals		94.29	30.29	106.07	813.21	
03/24/2023	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
Process wastewater	Process wastewater	78.57	25.24	88.39	677.68	510,000.00 gal
Application event totals		78.57	25.24	88.39	677.68	

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Field #1 - 11/18/2022: Triticale, soft dough

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
Ditch water	Surface water	0.00	0.00	0.00	39.20	2,106,000.00 gal
Application event totals		0.00	0.00	0.00	39.20	
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
Process wastewater	Process wastewater	129.65	41.65	145.85	1,118.17	841,500.00 gal
Application event totals		129.65	41.65	145.85	1,118.17	

Field #1 - 06/20/2023: Corn, silage

Field name:	Field #1					
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	58.08	3,120,000.00 gal
Application event totals		0.00	0.00	0.00	58.08	
07/11/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
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
Ditch water	Surface water	0.00	0.00	0.00	37.75	2,028,000.00 gal
Application event totals		0.00	0.00	0.00	37.75	

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Field #1 - 06/20/2023: Corn, silage

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
Ditch water	Surface water	0.00	0.00	0.00	29.04	1,560,000.00 gal
Application event totals		0.00	0.00	0.00	29.04	
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
Liquid commercial fertilizer	Liquid commercial fertilizer	31.00	0.00	0.00	0.00	
Application event totals		31.00	0.00	0.00	0.00	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	43.22	13.88	48.62	372.72	280,500.00 gal
Application event totals		43.22	13.88	48.62	372.72	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	29.04	1,560,000.00 gal
Application event totals		0.00	0.00	0.00	29.04	
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
Ditch water	Surface water	0.00	0.00	0.00	7.99	429,000.00 gal
Application event totals		0.00	0.00	0.00	7.99	
09/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	23.96	1,287,000.00 gal
Application event totals		0.00	0.00	0.00	23.96	

Field #10 - 11/15/2022: Triticale, soft dough

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**Field #10 - 11/15/2022: Triticale, soft dough**Field name: Field #10Crop: Triticale, soft doughPlant date: 11/15/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/11/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #9	Ground water	0.00	0.00	0.00	603.28	8,505,000.00 gal
Application event totals		0.00	0.00	0.00	603.28	
02/02/2023	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
Process wastewater	Process wastewater	85.12	27.34	95.76	734.15	2,040,000.00 gal
Process wastewater	Process wastewater	85.12	27.34	95.76	734.15	2,040,000.00 gal
Application event totals		170.25	54.69	191.52	1,468.30	
03/14/2023	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
Process wastewater	Process wastewater	42.56	13.67	47.88	367.08	1,020,000.00 gal
Application event totals		42.56	13.67	47.88	367.08	
04/15/2023	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
Ditch water	Surface water	0.00	0.00	0.00	19.66	3,900,000.00 gal
Application event totals		0.00	0.00	0.00	19.66	

**Field #10 - 06/16/2023: Corn, silage**Field name: Field #10Crop: Corn, silagePlant date: 06/16/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Field #10 - 06/16/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	43.46	8,619,000.00 gal
Application event totals		0.00	0.00	0.00	43.46	
05/31/2023	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
Process wastewater	Process wastewater	86.19	27.69	96.96	743.33	2,065,500.00 gal
Application event totals		86.19	27.69	96.96	743.33	
07/07/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
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
Ditch water	Surface water	0.00	0.00	0.00	38.54	7,644,000.00 gal
Application event totals		0.00	0.00	0.00	38.54	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	26.15	5,187,000.00 gal
Application event totals		0.00	0.00	0.00	26.15	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	31.00	0.00	0.00	0.00	
Application event totals		31.00	0.00	0.00	0.00	

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**Field #10 - 06/16/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	29.49	5,850,000.00 gal
Application event totals		0.00	0.00	0.00	29.49	
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
Ditch water	Surface water	0.00	0.00	0.00	12.39	2,457,000.00 gal
Application event totals		0.00	0.00	0.00	12.39	
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
Process wastewater	Process wastewater	18.09	5.81	20.35	156.01	433,500.00 gal
Application event totals		18.09	5.81	20.35	156.01	
09/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	23.01	4,563,000.00 gal
Application event totals		0.00	0.00	0.00	23.01	

**Field #11 - 11/22/2022: Triticale, soft dough**

Field name: Field #11

Crop: Triticale, soft dough

Plant date: 11/22/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/17/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #9	Ground water	0.00	0.00	0.00	479.75	4,509,000.00 gal
Application event totals		0.00	0.00	0.00	479.75	

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**Field #11 - 11/22/2022: Triticale, soft dough**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	17.11	2,262,000.00 gal
Application event totals		0.00	0.00	0.00	17.11	
04/29/2023	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
Ditch water	Surface water	0.00	0.00	0.00	17.11	2,262,000.00 gal
Application event totals		0.00	0.00	0.00	17.11	

**Field #11 - 06/19/2023: Corn, silage**

Field name:	Field #11					
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/18/2023	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
Scraped material	Scraped material	114.18	38.90	148.05	0.00	200.75 ton
Application event totals		114.18	38.90	148.05	0.00	
06/04/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	39.52	5,226,000.00 gal
Application event totals		0.00	0.00	0.00	39.52	
07/10/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	5.00	0.00	0.00	0.00	
Application event totals		5.00	0.00	0.00	0.00	

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Field #11 - 06/19/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	26.54	3,510,000.00 gal
Application event totals		0.00	0.00	0.00	26.54	
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
Ditch water	Surface water	0.00	0.00	0.00	12.68	1,677,000.00 gal
Application event totals		0.00	0.00	0.00	12.68	
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
Liquid commercial fertilizer	Liquid commercial fertilizer	0.00	0.00	0.00	0.00	
Application event totals		0.00	0.00	0.00	0.00	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	19.47	2,574,000.00 gal
Application event totals		0.00	0.00	0.00	19.47	
08/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	52.67	16.92	59.25	454.26	841,500.00 gal
Application event totals		52.67	16.92	59.25	454.26	
08/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	21.53	2,847,000.00 gal
Application event totals		0.00	0.00	0.00	21.53	

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**Field #11 - 06/19/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	13.57	4.36	15.26	117.01	216,750.00 gal
Application event totals		13.57	4.36	15.26	117.01	
09/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	11.80	1,560,000.00 gal
Application event totals		0.00	0.00	0.00	11.80	

**Field #12 - 11/18/2022: Triticale, soft dough**

Field name: Field #12

Crop: Triticale, soft dough

Plant date: 11/18/2022

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
Well #8	Ground water	0.00	0.00	0.00	403.76	480,000.00 gal
Application event totals		0.00	0.00	0.00	403.76	
04/16/2023	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
Ditch water	Surface water	0.00	0.00	0.00	23.60	390,000.00 gal
Application event totals		0.00	0.00	0.00	23.60	
04/29/2023	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
Process wastewater	Process wastewater	76.61	24.61	86.18	660.74	153,000.00 gal
Application event totals		76.61	24.61	86.18	660.74	

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

Field name: Field #12

Crop: Corn, silage

Plant date: 06/06/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	187.77	60.32	211.23	1,619.45	375,000.00 gal
Application event totals		187.77	60.32	211.23	1,619.45	
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
Ditch water	Surface water	0.00	0.00	0.00	24.59	406,500.00 gal
Application event totals		0.00	0.00	0.00	24.59	
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
Ditch water	Surface water	0.00	0.00	0.00	23.60	390,000.00 gal
Application event totals		0.00	0.00	0.00	23.60	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	28.31	468,000.00 gal
Application event totals		0.00	0.00	0.00	28.31	
08/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	7.71	127,500.00 gal
Application event totals		0.00	0.00	0.00	7.71	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	23.60	390,000.00 gal
Application event totals		0.00	0.00	0.00	23.60	

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

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	23.60	390,000.00 gal
Application event totals		0.00	0.00	0.00	23.60	
08/31/2023	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
Ditch water	Surface water	0.00	0.00	0.00	23.60	390,000.00 gal
Application event totals		0.00	0.00	0.00	23.60	

Field #15 - 11/05/2022: Triticale, soft dough

Field name: Field #15

Crop: Triticale, soft dough Plant date: 11/05/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #6	Ground water	0.13	0.00	0.00	329.70	1,890,000.00 gal
Application event totals		0.13	0.00	0.00	329.70	
10/10/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	241.07	77.44	271.19	2,079.12	3,009,000.00 gal
Application event totals		241.07	77.44	271.19	2,079.12	
01/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	55.16	17.72	62.05	475.73	688,500.00 gal
Application event totals		55.16	17.72	62.05	475.73	

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**Field #15 - 11/05/2022: Triticale, soft dough**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	49.03	15.75	55.16	422.87	612,000.00 gal
Application event totals		49.03	15.75	55.16	422.87	
04/16/2023	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
Ditch water	Surface water	0.00	0.00	0.00	27.18	2,808,000.00 gal
Application event totals		0.00	0.00	0.00	27.18	

**Field #15 - 06/15/2023: Corn, silage**

Field name:	Field #15	Plant date:	06/15/2023			
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/31/2023	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
Ditch water	Surface water	0.00	0.00	0.00	48.08	4,966,500.00 gal
Application event totals		0.00	0.00	0.00	48.08	
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
Ditch water	Surface water	0.00	0.00	0.00	17.74	1,833,000.00 gal
Application event totals		0.00	0.00	0.00	17.74	
07/06/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	

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Field #15 - 06/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	16.93	1,749,000.00 gal
Application event totals		0.00	0.00	0.00	16.93	
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
Ditch water	Surface water	0.00	0.00	0.00	26.99	2,788,500.00 gal
Application event totals		0.00	0.00	0.00	26.99	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	26.99	2,788,500.00 gal
Application event totals		0.00	0.00	0.00	26.99	
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
Process wastewater	Process wastewater	24.52	7.88	27.58	211.44	306,000.00 gal
Application event totals		24.52	7.88	27.58	211.44	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	31.00	0.00	0.00	0.00	
Application event totals		31.00	0.00	0.00	0.00	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	28.50	2,944,500.00 gal
Application event totals		0.00	0.00	0.00	28.50	

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Field #15 - 06/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	7.84	810,000.00 gal
Application event totals		0.00	0.00	0.00	7.84	
08/23/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	24.54	2,535,000.00 gal
Application event totals		0.00	0.00	0.00	24.54	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	21.90	2,262,000.00 gal
Application event totals		0.00	0.00	0.00	21.90	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	49.03	15.75	55.16	422.87	612,000.00 gal
Application event totals		49.03	15.75	55.16	422.87	

Field #2 - 10/29/2022: Triticale, soft dough

Field name:	Field #2	Plant date:	10/29/2022			
Crop:	Triticale, soft dough					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
11/14/2022	Surface (irrigation)	No precipitation	No precipitation			
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #8	Ground water	0.00	0.00	0.00	357.62	5,952,000.00 gal
Application event totals		0.00	0.00	0.00	357.62	

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Field #2 - 10/29/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
11/14/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	101.24	32.52	113.88	873.12	2,830,500.00 gal
Application event totals		101.24	32.52	113.88	873.12	
11/18/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #6	Ground water	0.03	0.00	0.00	84.11	1,080,000.00 gal
Application event totals		0.03	0.00	0.00	84.11	
01/20/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	69.31	22.27	77.98	597.81	1,938,000.00 gal
Application event totals		69.31	22.27	77.98	597.81	
03/28/2023	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
Process wastewater	Process wastewater	98.50	31.64	110.81	849.52	2,754,000.00 gal
Application event totals		98.50	31.64	110.81	849.52	
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
Ditch water	Surface water	0.00	0.00	0.00	16.18	3,744,000.00 gal
Application event totals		0.00	0.00	0.00	16.18	
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
Ditch water	Surface water	0.00	0.00	0.00	11.46	2,652,000.00 gal
Application event totals		0.00	0.00	0.00	11.46	

Field #2 - 06/21/2023: Corn, silage

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Field #2 - 06/21/2023: Corn, silage

Field name: Field #2

Crop: Corn, silage

Plant date: 06/21/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	18.54	4,290,000.00 gal
Application event totals		0.00	0.00	0.00	18.54	
06/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	44.16	10,218,000.00 gal
Application event totals		0.00	0.00	0.00	44.16	
06/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	78.43	25.20	88.23	676.47	2,193,000.00 gal
Application event totals		78.43	25.20	88.23	676.47	
07/12/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
07/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	28.82	6,669,000.00 gal
Application event totals		0.00	0.00	0.00	28.82	
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
Ditch water	Surface water	0.00	0.00	0.00	22.25	5,148,000.00 gal
Application event totals		0.00	0.00	0.00	22.25	

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Field #2 - 06/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/23/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	20.00	0.00	0.00	0.00	
Application event totals		20.00	0.00	0.00	0.00	
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
Ditch water	Surface water	0.00	0.00	0.00	20.22	4,680,000.00 gal
Application event totals		0.00	0.00	0.00	20.22	
08/03/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	46.51	14.94	52.33	401.16	1,300,500.00 gal
Application event totals		46.51	14.94	52.33	401.16	
08/15/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	20.22	4,680,000.00 gal
Application event totals		0.00	0.00	0.00	20.22	
08/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	5.39	1,248,000.00 gal
Application event totals		0.00	0.00	0.00	5.39	
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
Ditch water	Surface water	0.00	0.00	0.00	6.40	1,482,000.00 gal
Application event totals		0.00	0.00	0.00	6.40	

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Field #2 - 06/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/27/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	21.89	7.03	24.62	188.78	612,000.00 gal
Application event totals		21.89	7.03	24.62	188.78	
09/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	6.74	1,560,000.00 gal
Application event totals		0.00	0.00	0.00	6.74	
09/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	11.12	2,574,000.00 gal
Application event totals		0.00	0.00	0.00	11.12	
09/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	37.36	11.35	41.10	361.45	739,500.00 gal
Application event totals		37.36	11.35	41.10	361.45	

Field #3 - 11/16/2022: Triticale, soft dough

Field name:	Field #3	Plant date:	11/16/2022			
Crop:	Triticale, soft dough					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/10/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #6	Ground water	0.37	0.00	0.00	966.53	7,092,000.00 gal
Application event totals		0.37	0.00	0.00	966.53	

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Field #3 - 11/16/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
02/19/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	95.76	30.76	107.73	825.92	1,530,000.00 gal
Application event totals		95.76	30.76	107.73	825.92	
04/21/2023	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
Ditch water	Surface water	0.00	0.00	0.00	24.19	3,198,000.00 gal
Application event totals		0.00	0.00	0.00	24.19	
04/23/2023	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
Process wastewater	Process wastewater	14.36	4.61	16.16	123.89	229,500.00 gal
Application event totals		14.36	4.61	16.16	123.89	

Field #3 - 06/17/2023: Corn, silage

Field name: Field #3

Crop: Corn, silage

Plant date: 06/17/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/18/2023	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
Scraped material	Scraped material	122.00	41.56	158.19	0.00	214.50 ton
Application event totals		122.00	41.56	158.19	0.00	
05/31/2023	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
Ditch water	Surface water	0.00	0.00	0.00	43.50	5,752,500.00 gal
Application event totals		0.00	0.00	0.00	43.50	

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Field #3 - 06/17/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/08/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	39.23	5,187,000.00 gal
Application event totals		0.00	0.00	0.00	39.23	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	28.73	9.23	32.32	247.78	459,000.00 gal
Application event totals		28.73	9.23	32.32	247.78	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	23.89	3,159,000.00 gal
Application event totals		0.00	0.00	0.00	23.89	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	0.00	0.00	0.00	0.00	
Application event totals		0.00	0.00	0.00	0.00	
08/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	23.60	3,120,000.00 gal
Application event totals		0.00	0.00	0.00	23.60	

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**Field #3 - 06/17/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	25.37	3,354,000.00 gal
Application event totals		0.00	0.00	0.00	25.37	
08/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	6.38	2.05	7.18	55.06	102,000.00 gal
Application event totals		6.38	2.05	7.18	55.06	
09/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	20.06	2,652,000.00 gal
Application event totals		0.00	0.00	0.00	20.06	

**Field #4 - 11/02/2022: Triticale, soft dough**

Field name:	Field #4	Plant date:	11/02/2022			
Crop:	Triticale, soft dough					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/16/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #6	Ground water	0.32	0.00	0.00	837.33	3,264,000.00 gal
Application event totals		0.32	0.00	0.00	837.33	
02/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	45.06	14.48	50.70	388.67	382,500.00 gal
Application event totals		45.06	14.48	50.70	388.67	

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Field #4 - 11/02/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
04/23/2023	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
Ditch water	Surface water	0.00	0.00	0.00	26.65	1,872,000.00 gal
Application event totals		0.00	0.00	0.00	26.65	

Field #4 - 06/19/2023: Corn, silage

Field name: Field #4

Crop: Corn, silage

Plant date: 06/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	43.86	3,081,000.00 gal
Application event totals		0.00	0.00	0.00	43.86	
07/10/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
07/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	34.98	2,457,000.00 gal
Application event totals		0.00	0.00	0.00	34.98	
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
Ditch water	Surface water	0.00	0.00	0.00	22.76	1,599,000.00 gal
Application event totals		0.00	0.00	0.00	22.76	

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Field #4 - 06/19/2023: 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
Process wastewater	Process wastewater	9.01	2.90	10.14	77.73	76,500.00 gal
Application event totals		9.01	2.90	10.14	77.73	
08/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	18.88	1,326,000.00 gal
Application event totals		0.00	0.00	0.00	18.88	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	17.77	1,248,000.00 gal
Application event totals		0.00	0.00	0.00	17.77	
08/28/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	48.07	15.44	54.08	414.58	408,000.00 gal
Application event totals		48.07	15.44	54.08	414.58	
09/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	14.99	1,053,000.00 gal
Application event totals		0.00	0.00	0.00	14.99	

Field #5 - 11/02/2022: Triticale, soft dough

Field name: Field #5

Crop: Triticale, soft dough

Plant date: 11/02/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Field #5 - 11/02/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/08/2022	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
Well #6	Ground water	0.23	0.00	0.00	599.65	3,300,000.00 gal
Application event totals		0.23	0.00	0.00	599.65	
10/08/2022	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
Process wastewater	Process wastewater	96.83	31.10	108.93	835.10	1,160,250.00 gal
Application event totals		96.83	31.10	108.93	835.10	
10/09/2022	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
Well #6	Ground water	0.08	0.00	0.00	196.25	1,080,000.00 gal
Application event totals		0.08	0.00	0.00	196.25	
01/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	44.69	14.36	50.27	385.43	535,500.00 gal
Application event totals		44.69	14.36	50.27	385.43	
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
Process wastewater	Process wastewater	51.07	16.41	57.46	440.49	612,000.00 gal
Application event totals		51.07	16.41	57.46	440.49	
04/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	26.35	2,613,000.00 gal
Application event totals		0.00	0.00	0.00	26.35	

Field #5 - 06/15/2023: Corn, silage

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Field #5 - 06/15/2023: Corn, silage

Field name: Field #5

Crop: Corn, silage

Plant date: 06/15/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/29/2023	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
Ditch water	Surface water	0.00	0.00	0.00	36.18	3,588,000.00 gal
Application event totals		0.00	0.00	0.00	36.18	
05/29/2023	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
Process wastewater	Process wastewater	65.97	21.19	74.21	568.97	790,500.00 gal
Application event totals		65.97	21.19	74.21	568.97	
07/06/2023	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
Liquid commercial fertilizer	Liquid commercial fertilizer	10.00	0.00	0.00	0.00	
Application event totals		10.00	0.00	0.00	0.00	
07/15/2023	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
Ditch water	Surface water	0.00	0.00	0.00	28.12	2,788,500.00 gal
Application event totals		0.00	0.00	0.00	28.12	
07/15/2023	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
Process wastewater	Process wastewater	14.90	4.79	16.76	128.48	178,500.00 gal
Application event totals		14.90	4.79	16.76	128.48	
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
Ditch water	Surface water	0.00	0.00	0.00	14.16	1,404,000.00 gal
Application event totals		0.00	0.00	0.00	14.16	

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Field #5 - 06/15/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	5.51	546,000.00 gal
Application event totals		0.00	0.00	0.00	5.51	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	25.17	2,496,000.00 gal
Application event totals		0.00	0.00	0.00	25.17	
08/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	68.10	21.88	76.61	587.32	816,000.00 gal
Application event totals		68.10	21.88	76.61	587.32	
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
Ditch water	Surface water	0.00	0.00	0.00	23.20	2,301,000.00 gal
Application event totals		0.00	0.00	0.00	23.20	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	18.88	1,872,000.00 gal
Application event totals		0.00	0.00	0.00	18.88	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	51.07	16.41	57.46	440.49	612,000.00 gal
Application event totals		51.07	16.41	57.46	440.49	

Field #6 - 11/02/2022: Triticale, soft dough

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Field #6 - 11/02/2022: Triticale, soft dough

Field name: Field #6

Crop: Triticale, soft dough

Plant date: 11/02/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/05/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #6	Ground water	0.14	0.00	0.00	361.10	2,484,000.00 gal
Application event totals		0.14	0.00	0.00	361.10	
10/05/2022	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
Process wastewater	Process wastewater	117.47	37.74	132.15	1,013.13	1,759,500.00 gal
Application event totals		117.47	37.74	132.15	1,013.13	
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
Process wastewater	Process wastewater	45.97	14.77	51.71	396.44	688,500.00 gal
Application event totals		45.97	14.77	51.71	396.44	
03/17/2023	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
Process wastewater	Process wastewater	45.97	14.77	51.71	396.44	688,500.00 gal
Application event totals		45.97	14.77	51.71	396.44	
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
Ditch water	Surface water	0.00	0.00	0.00	27.06	3,354,000.00 gal
Application event totals		0.00	0.00	0.00	27.06	

Field #6 - 06/08/2023: Corn, silage

Field name: Field #6

Crop: Corn, silage

Plant date: 06/08/2023

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Field #6 - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	39.96	4,953,000.00 gal
Application event totals		0.00	0.00	0.00	39.96	
05/27/2023	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
Process wastewater	Process wastewater	73.21	23.52	82.35	631.37	1,096,500.00 gal
Application event totals		73.21	23.52	82.35	631.37	
06/29/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	65.00	0.00	0.00	0.00	
Application event totals		65.00	0.00	0.00	0.00	
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
Ditch water	Surface water	0.00	0.00	0.00	32.09	3,978,000.00 gal
Application event totals		0.00	0.00	0.00	32.09	
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
Process wastewater	Process wastewater	10.21	3.28	11.49	88.10	153,000.00 gal
Application event totals		10.21	3.28	11.49	88.10	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	49.39	6,123,000.00 gal
Application event totals		0.00	0.00	0.00	49.39	

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Field #6 - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	40.86	13.13	45.96	352.39	612,000.00 gal
Application event totals		40.86	13.13	45.96	352.39	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	0.00	0.00	0.00	0.00	
Application event totals		0.00	0.00	0.00	0.00	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	29.89	3,705,000.00 gal
Application event totals		0.00	0.00	0.00	29.89	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	80.87	25.98	90.97	697.44	1,211,250.00 gal
Application event totals		80.87	25.98	90.97	697.44	
08/23/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	33.03	4,095,000.00 gal
Application event totals		0.00	0.00	0.00	33.03	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	31.15	3,861,000.00 gal
Application event totals		0.00	0.00	0.00	31.15	

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Field #6 - 06/08/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
09/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Process wastewater	Process wastewater	40.86	13.13	45.96	352.39
Application event totals		40.86	13.13	45.96	352.39
					612,000.00 gal

Field #7 - 11/01/2022: Triticale, soft dough

Field name: Field #7

Crop: Triticale, soft dough

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
10/03/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Well #8	Ground water	0.00	0.00	0.00	288.69
Application event totals		0.00	0.00	0.00	288.69
12/31/2022	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)
Process wastewater	Process wastewater	91.93	29.53	103.42	792.88
Application event totals		91.93	29.53	103.42	792.88
03/04/2023	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)
Process wastewater	Process wastewater	48.52	15.59	54.58	418.47
Application event totals		48.52	15.59	54.58	418.47
04/15/2023	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)
Ditch water	Surface water	0.00	0.00	0.00	19.82
Application event totals		0.00	0.00	0.00	19.82
					1,638,000.00 gal

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Field #7 - 06/09/2023: Corn, silage

Field name: Field #7

Crop: Corn, silage

Plant date: 06/09/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/24/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	44.83	3,705,000.00 gal
Application event totals		0.00	0.00	0.00	44.83	
06/30/2023	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
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
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
Ditch water	Surface water	0.00	0.00	0.00	38.22	3,159,000.00 gal
Application event totals		0.00	0.00	0.00	38.22	
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
Process wastewater	Process wastewater	22.98	7.38	25.85	198.22	229,500.00 gal
Application event totals		22.98	7.38	25.85	198.22	
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
Ditch water	Surface water	0.00	0.00	0.00	27.84	2,301,000.00 gal
Application event totals		0.00	0.00	0.00	27.84	
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
Process wastewater	Process wastewater	10.21	3.28	11.49	88.10	102,000.00 gal
Application event totals		10.21	3.28	11.49	88.10	

Mt. Whitney Dairy | 2792 W Mt. Whitney AVE | Riverdale, CA 93656 | Fresno County | Tulare Basin

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**Field #7 - 06/09/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	31.00	0.00	0.00	0.00	
Application event totals		31.00	0.00	0.00	0.00	
08/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	17.46	1,443,000.00 gal
Application event totals		0.00	0.00	0.00	17.46	
08/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	34.45	2,847,000.00 gal
Application event totals		0.00	0.00	0.00	34.45	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	25.96	2,145,000.00 gal
Application event totals		0.00	0.00	0.00	25.96	

**Field #8 - 11/03/2022: Triticale, soft dough**

Field name:	Field #8	Plant date:	11/03/2022			
Crop:	Triticale, soft dough					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/07/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Well #9	Ground water	0.00	0.00	0.00	572.79	4,374,000.00 gal
Application event totals		0.00	0.00	0.00	572.79	

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Field #8 - 11/03/2022: Triticale, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
12/20/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	78.57	25.24	88.39	677.68	1,020,000.00 gal
Application event totals		78.57	25.24	88.39	677.68	
03/01/2023	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
Process wastewater	Process wastewater	60.90	19.56	68.50	525.20	790,500.00 gal
Application event totals		60.90	19.56	68.50	525.20	
04/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	28.31	3,042,000.00 gal
Application event totals		0.00	0.00	0.00	28.31	

Field #8 - 06/13/2023: Corn, silage

Field name:	Field #8	Plant date:	06/13/2023			
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/28/2023	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
Ditch water	Surface water	0.00	0.00	0.00	42.11	4,524,000.00 gal
Application event totals		0.00	0.00	0.00	42.11	
07/04/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	

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Field #8 - 06/13/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	30.13	3,237,000.00 gal
Application event totals		0.00	0.00	0.00	30.13	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	15.97	1,716,000.00 gal
Application event totals		0.00	0.00	0.00	15.97	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	23.57	7.57	26.52	203.30	306,000.00 gal
Application event totals		23.57	7.57	26.52	203.30	
07/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	25.00	0.00	0.00	0.00	
Application event totals		25.00	0.00	0.00	0.00	
08/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	24.68	2,652,000.00 gal
Application event totals		0.00	0.00	0.00	24.68	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	34.85	3,744,000.00 gal
Application event totals		0.00	0.00	0.00	34.85	

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**Field #8 - 06/13/2023: Corn, silage**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/22/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	19.64	6.31	22.10	169.42	255,000.00 gal
Application event totals		19.64	6.31	22.10	169.42	
09/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	21.42	2,301,000.00 gal
Application event totals		0.00	0.00	0.00	21.42	

**Field #9 - 11/01/2022: Triticale, soft dough**

Field name:	Field #9	Plant date:	11/01/2022			
Crop:	Triticale, soft dough					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
10/03/2022	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
Well #9	Ground water	0.00	0.00	0.00	646.56	5,697,000.00 gal
Application event totals		0.00	0.00	0.00	646.56	
12/17/2022	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	112.36	36.09	126.40	969.08	1,683,000.00 gal
Application event totals		112.36	36.09	126.40	969.08	
02/26/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	42.56	13.67	47.88	367.08	637,500.00 gal
Application event totals		42.56	13.67	47.88	367.08	

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**Field #9 - 11/01/2022: Triticale, soft dough**

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/06/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	44.26	14.22	49.79	381.76	663,000.00 gal
Application event totals		44.26	14.22	49.79	381.76	
04/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	22.34	2,769,000.00 gal
Application event totals		0.00	0.00	0.00	22.34	

**Field #9 - 06/13/2023: Corn, silage**

Field name:	Field #9	Plant date:	06/13/2023			
Crop:	Corn, silage					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/25/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	22.34	2,769,000.00 gal
Application event totals		0.00	0.00	0.00	22.34	
07/04/2023	Sidedress	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	99.40	0.00	0.00	0.00	
Application event totals		99.40	0.00	0.00	0.00	
07/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	36.81	4,563,000.00 gal
Application event totals		0.00	0.00	0.00	36.81	

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Field #9 - 06/13/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	16.67	2,067,000.00 gal
Application event totals		0.00	0.00	0.00	16.67	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	51.07	16.41	57.46	440.49	765,000.00 gal
Application event totals		51.07	16.41	57.46	440.49	
07/24/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Liquid commercial fertilizer	Liquid commercial fertilizer	31.00	0.00	0.00	0.00	
Application event totals		31.00	0.00	0.00	0.00	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	24.54	3,042,000.00 gal
Application event totals		0.00	0.00	0.00	24.54	
08/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	21.08	2,613,000.00 gal
Application event totals		0.00	0.00	0.00	21.08	
08/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	16.17	5.20	18.19	139.49	242,250.00 gal
Application event totals		16.17	5.20	18.19	139.49	

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Field #9 - 06/13/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/05/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Ditch water	Surface water	0.00	0.00	0.00	11.66	2,184,000.00 gal
Application event totals		0.00	0.00	0.00	11.66	

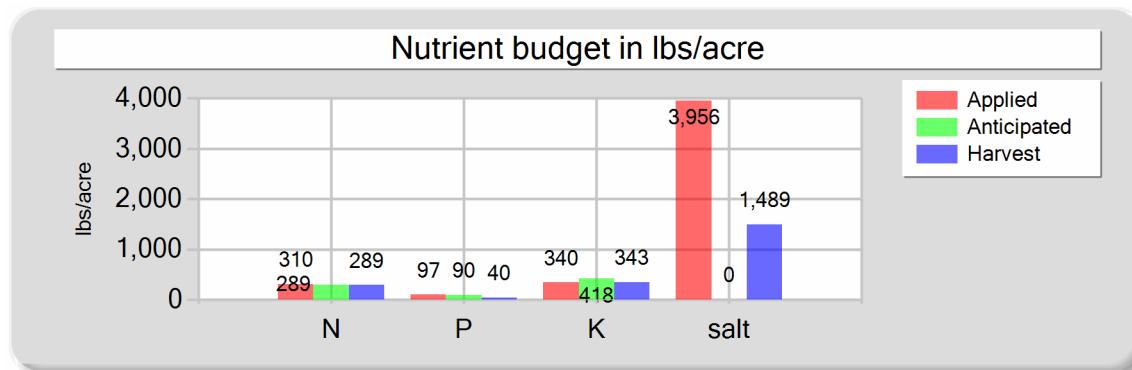
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**B. NUTRIENT BUDGET**

Field #1 - 11/18/2022: Triticale, soft dough

Field name: Field #1	Crop: Triticale, soft dough	Plant date: 11/18/2022
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	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	302.51	97.18	340.31	2,609.06
Fresh water	0.50	0.00	0.00	1,346.53
Atmospheric deposition	7.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>310.01</b>	<b>97.18</b>	<b>340.31</b>	<b>3,955.59</b>
Anticipated crop nutrient removal	288.84	89.64	418.32	0.00
Actual crop nutrient removal	288.66	39.82	343.41	1,489.49
Nutrient balance	21.35	57.36	-3.10	2,466.10
Applied to removed ratio	1.07	2.44	0.99	2.66

Fresh water applied
6,003,000.00 gallons
221.07 acre-inches
17.01 inches/acre
Process wastewater applied
1,963,500.00 gallons
72.31 acre-inches
5.56 inches/acre
Total harvests for the crop
1 harvests

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

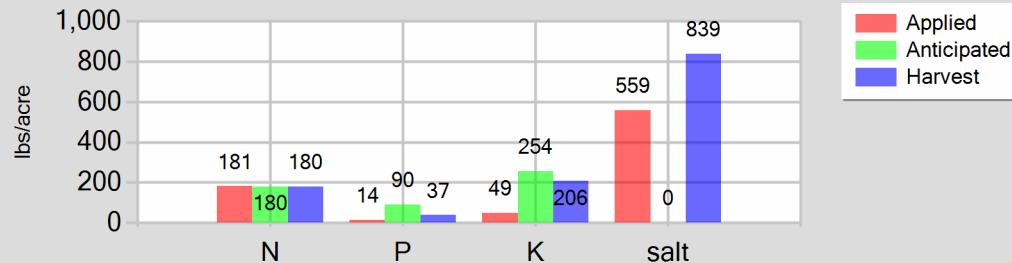
Field #1 - 06/20/2023: Corn, silage

Field name: Field #1

Crop: Corn, silage

Plant date: 06/20/2023

**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	130.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	43.22	13.88	48.62	372.72
Fresh water	0.00	0.00	0.00	185.86
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	180.62	13.88	48.62	558.58
Anticipated crop nutrient removal	180.20	90.10	254.40	0.00
Actual crop nutrient removal	179.89	37.04	206.34	839.17
Nutrient balance	0.73	-23.15	-157.72	-280.59
Applied to removed ratio	1.00	0.37	0.24	0.67

**Fresh water applied**

9,984,000.00 gallons  
367.68 acre-inches  
28.28 inches/acre

**Process wastewater applied**

280,500.00 gallons  
10.33 acre-inches  
0.79 inches/acre

**Total harvests for the crop**

1 harvests

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

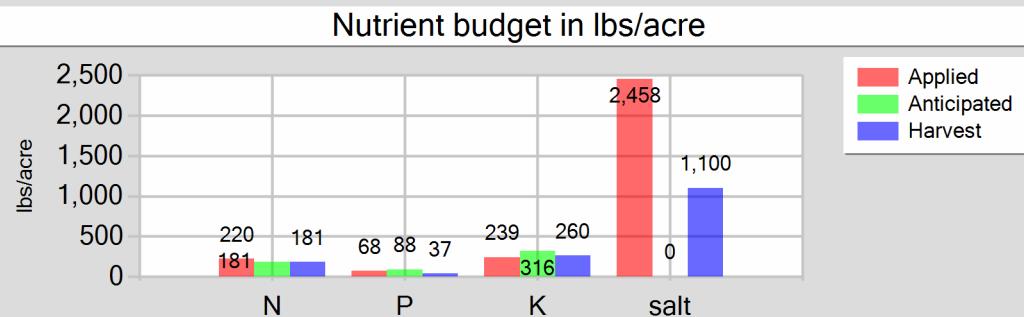
Reporting period 01/01/2023 to 12/31/2023.

Field #10 - 11/15/2022: Triticale, soft dough

Field name: Field #10

Crop: Triticale, soft dough

Plant date: 11/15/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	212.81	68.36	239.40	1,835.38
Fresh water	0.00	0.00	0.00	622.94
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	219.81	68.36	239.40	2,458.32
Anticipated crop nutrient removal	180.96	88.16	315.52	0.00
Actual crop nutrient removal	180.99	37.13	259.89	1,099.88
Nutrient balance	38.81	31.23	-20.49	1,358.44
Applied to removed ratio	1.21	1.84	0.92	2.24

**Fresh water applied**

12,405,000.00 gallons  
456.83 acre-inches  
9.52 inches/acre

**Process wastewater applied**

5,100,000.00 gallons  
187.82 acre-inches  
3.91 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.

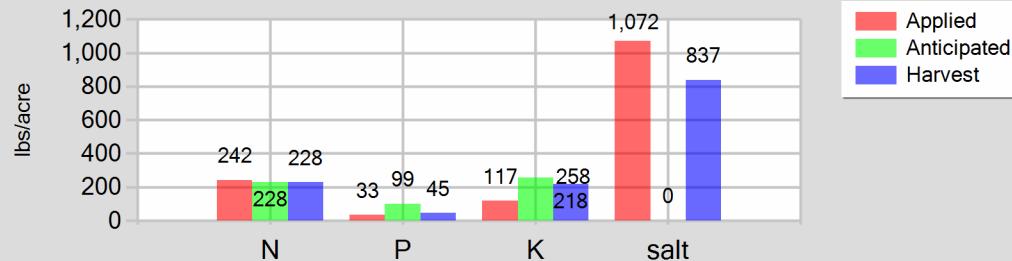
Field #10 - 06/16/2023: Corn, silage

Field name: Field #10

Crop: Corn, silage

Plant date: 06/16/2023

**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	130.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	104.28	33.50	117.30	899.34
Fresh water	0.00	0.00	0.00	173.03
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	241.68	33.50	117.30	1,072.37
Anticipated crop nutrient removal	228.16	99.20	257.92	0.00
Actual crop nutrient removal	228.06	44.62	218.15	836.80
Nutrient balance	13.61	-11.12	-100.84	235.57
Applied to removed ratio	1.06	0.75	0.54	1.28

**Fresh water applied**

34,320,000.00 gallons  
1,263.89 acre-inches  
26.33 inches/acre

**Process wastewater applied**

2,499,000.00 gallons  
92.03 acre-inches  
1.92 inches/acre

**Total harvests for the crop**

1 harvests

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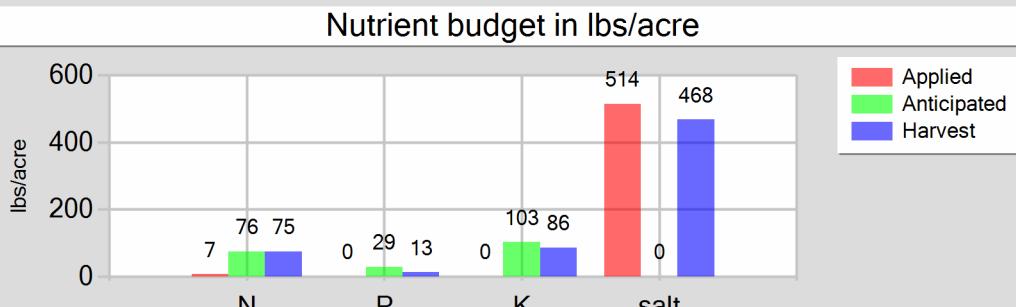
Reporting period 01/01/2023 to 12/31/2023.

Field #11 - 11/22/2022: Triticale, soft dough

Field name: Field #11

Crop: Triticale, soft dough

Plant date: 11/22/2022



	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	0.00	0.00	0.00	513.97
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	7.00	0.00	0.00	513.97
Anticipated crop nutrient removal	75.60	28.80	102.60	0.00
Actual crop nutrient removal	75.18	12.53	85.92	467.69
Nutrient balance	-68.18	-12.53	-85.92	46.27
Applied to removed ratio	0.09	0.00	0.00	1.10

**Fresh water applied**

9,033,000.00 gallons  
332.65 acre-inches  
10.40 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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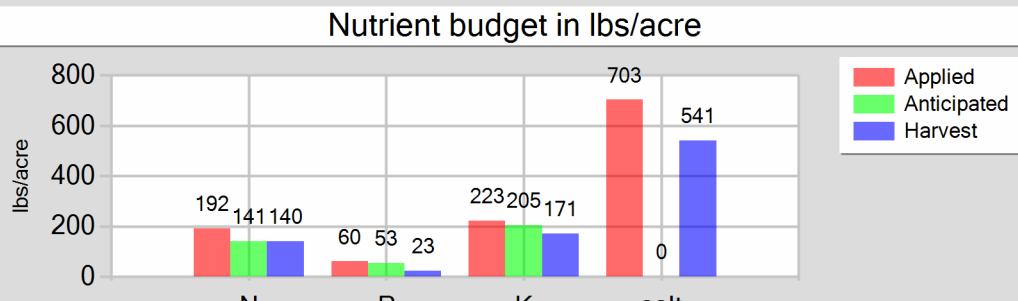
Reporting period 01/01/2023 to 12/31/2023.

Field #11 - 06/19/2023: Corn, silage

Field name: Field #11

Crop: Corn, silage

Plant date: 06/19/2023



	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	5.00	0.00	0.00	0.00
Dry manure	114.18	38.90	148.05	0.00
Process wastewater	66.24	21.28	74.51	571.26
Fresh water	0.00	0.00	0.00	131.54
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	192.41	60.17	222.57	702.81
Anticipated crop nutrient removal	140.60	53.20	205.20	0.00
Actual crop nutrient removal	140.32	22.76	170.66	540.66
Nutrient balance	52.09	37.42	51.90	162.15
Applied to removed ratio	1.37	2.64	1.30	1.30

**Fresh water applied**

17,394,000.00 *gallons*  
640.56 *acre-inches*  
20.02 *inches/acre*

**Process wastewater applied**

1,058,250.00 *gallons*  
38.97 *acre-inches*  
1.22 *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.

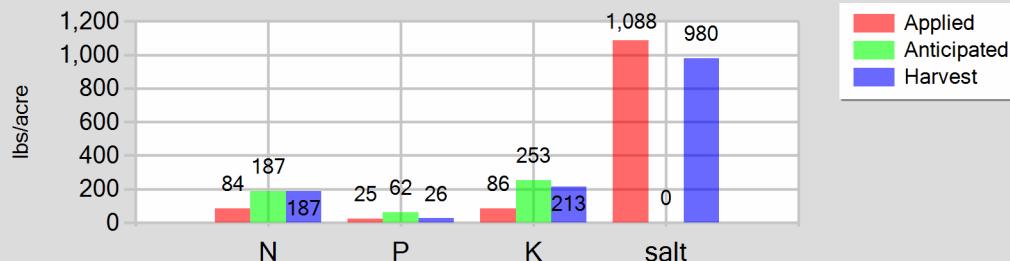
Field #12 - 11/18/2022: Triticale, soft dough

Field name: Field #12

Crop: Triticale, soft dough

Plant date: 11/18/2022

**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	0.00	0.00	0.00	0.00
Process wastewater	76.61	24.61	86.18	660.74
Fresh water	0.00	0.00	0.00	427.36
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	83.61	24.61	86.18	1,088.10
Anticipated crop nutrient removal	186.66	62.22	252.54	0.00
Actual crop nutrient removal	186.92	25.66	212.57	980.46
Nutrient balance	-103.30	-1.04	-126.39	107.64
Applied to removed ratio	0.45	0.96	0.41	1.11

**Fresh water applied**

870,000.00 gallons  
32.04 acre-inches  
8.01 inches/acre

**Process wastewater applied**

153,000.00 gallons  
5.63 acre-inches  
1.41 inches/acre

**Total harvests for the crop**

1 harvests

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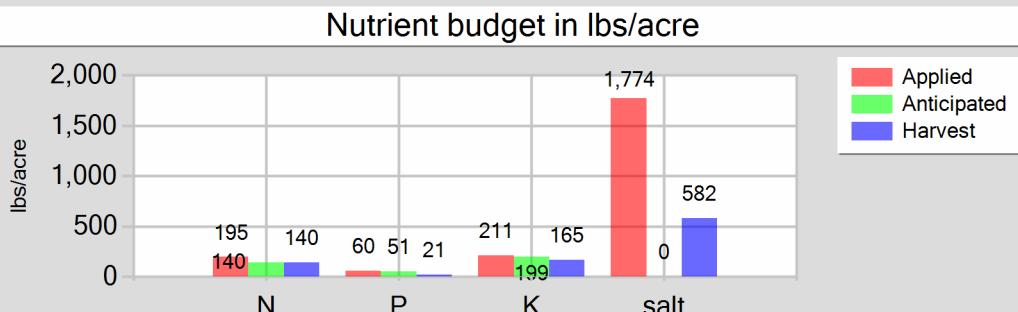
Reporting period 01/01/2023 to 12/31/2023.

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

Field name: Field #12

Crop: Corn, silage

Plant date: 06/06/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	187.77	60.32	211.23	1,619.45
Fresh water	0.00	0.00	0.00	155.00
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	194.77	60.32	211.23	1,774.46
Anticipated crop nutrient removal	139.92	50.88	199.28	0.00
Actual crop nutrient removal	139.92	21.20	165.36	582.28
Nutrient balance	54.85	39.12	45.87	1,192.18
Applied to removed ratio	1.39	2.85	1.28	3.05

**Fresh water applied**

2,562,000.00 gallons  
94.35 acre-inches  
23.59 inches/acre

**Process wastewater applied**

375,000.00 gallons  
13.81 acre-inches  
3.45 inches/acre

**Total harvests for the crop**

1 harvests

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

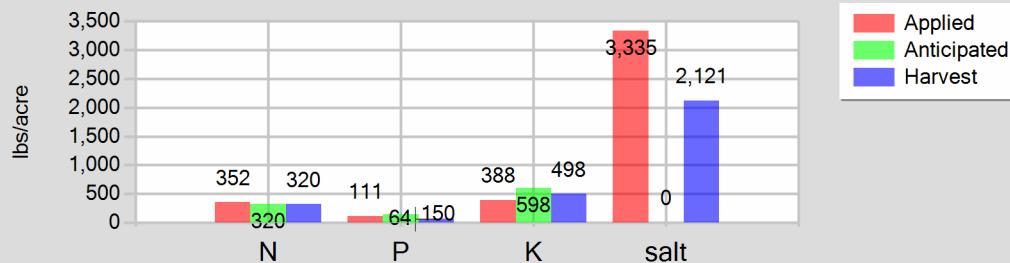
Field #15 - 11/05/2022: Triticale, soft dough

Field name: Field #15

Crop: Triticale, soft dough

Plant date: 11/05/2022

**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	0.00	0.00	0.00	0.00
Process wastewater	345.26	110.91	388.40	2,977.72
Fresh water	0.13	0.00	0.00	356.88
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	352.38	110.91	388.40	3,334.60
Anticipated crop nutrient removal	320.40	149.52	598.08	0.00
Actual crop nutrient removal	320.40	64.08	498.40	2,120.69
Nutrient balance	31.98	46.83	-110.00	1,213.91
Applied to removed ratio	1.10	1.73	0.78	1.57

**Fresh water applied**

4,698,000.00 gallons  
173.01 acre-inches  
6.92 inches/acre

**Process wastewater applied**

4,309,500.00 gallons  
158.70 acre-inches  
6.35 inches/acre

**Total harvests for the crop**

1 harvests

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

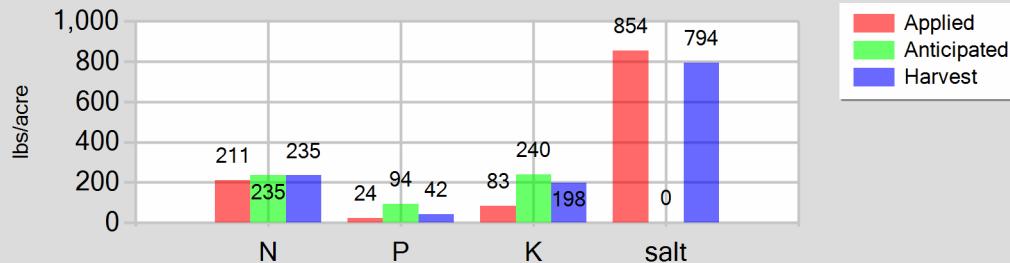
Field #15 - 06/15/2023: Corn, silage

Field name: Field #15

Crop: Corn, silage

Plant date: 06/15/2023

**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	130.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	73.55	23.63	82.74	634.31
Fresh water	0.00	0.00	0.00	219.52
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	210.95	23.63	82.74	853.82
Anticipated crop nutrient removal	234.90	93.96	240.12	0.00
Actual crop nutrient removal	234.81	41.74	198.28	794.48
Nutrient balance	-23.86	-18.12	-115.55	59.34
Applied to removed ratio	0.90	0.57	0.42	1.07

**Fresh water applied**

22,677,000.00 gallons  
835.12 acre-inches  
33.40 inches/acre

**Process wastewater applied**

918,000.00 gallons  
33.81 acre-inches  
1.35 inches/acre

**Total harvests for the crop**

1 harvests

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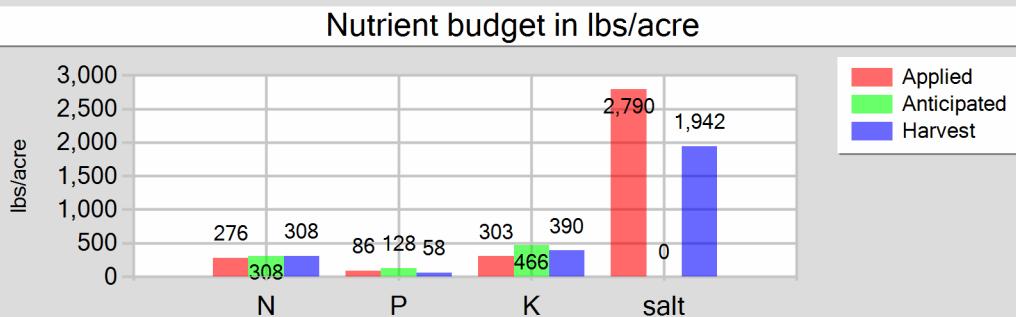
Reporting period 01/01/2023 to 12/31/2023.

Field #2 - 10/29/2022: Triticale, soft dough

Field name: Field #2

Crop: Triticale, soft dough

Plant date: 10/29/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	269.05	86.43	302.67	2,320.44
Fresh water	0.03	0.00	0.00	469.37
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	276.08	86.43	302.67	2,789.81
Anticipated crop nutrient removal	308.46	128.04	465.60	0.00
Actual crop nutrient removal	308.23	58.16	389.65	1,942.10
Nutrient balance	-32.15	28.27	-86.99	847.71
Applied to removed ratio	0.90	1.49	0.78	1.44

**Fresh water applied**

13,428,000.00 gallons  
494.51 acre-inches  
8.83 inches/acre

**Process wastewater applied**

7,522,500.00 gallons  
277.03 acre-inches  
4.95 inches/acre

**Total harvests for the crop**

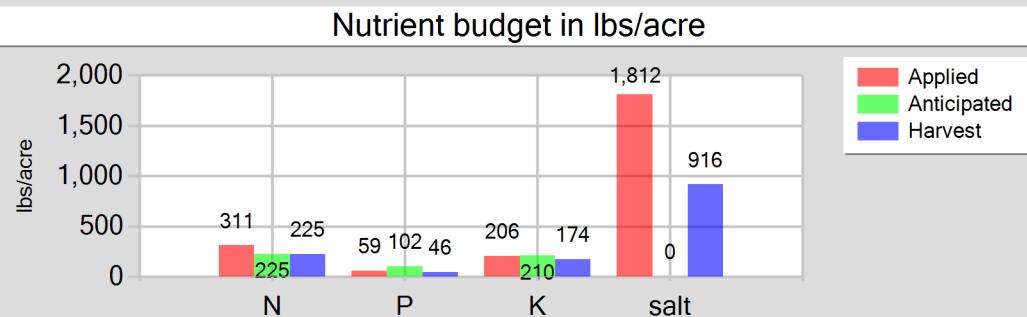
1 harvests

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

Field #2 - 06/21/2023: Corn, silage

Field name: Field #2      Crop: Corn, silage      Plant date: 06/21/2023



	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	119.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	184.19	58.52	206.29	1,627.86
Fresh water	0.00	0.00	0.00	183.88
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	310.59	58.52	206.29	1,811.74
Anticipated crop nutrient removal	225.28	102.40	209.92	0.00
Actual crop nutrient removal	225.11	46.04	173.95	915.83
Nutrient balance	85.49	12.48	32.34	895.91
Applied to removed ratio	1.38	1.27	1.19	1.98

**Fresh water applied**  
42,549,000.00 gallons  
1,566.93 acre-inches  
27.98 inches/acre

**Process wastewater applied**  
4,845,000.00 gallons  
178.42 acre-inches  
3.19 inches/acre

**Total harvests for the crop**  
1 harvests

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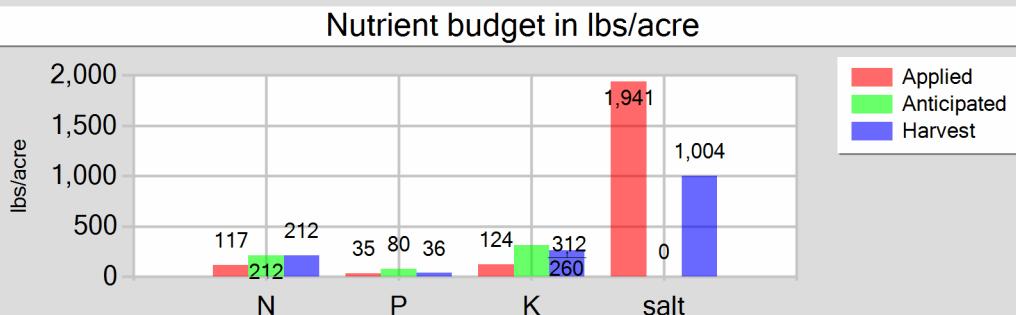
Reporting period 01/01/2023 to 12/31/2023.

Field #3 - 11/16/2022: Triticale, soft dough

Field name: Field #3

Crop: Triticale, soft dough

Plant date: 11/16/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	110.13	35.38	123.89	949.81
Fresh water	0.37	0.00	0.00	990.71
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	117.50	35.38	123.89	1,940.52
Anticipated crop nutrient removal	212.00	80.00	312.00	0.00
Actual crop nutrient removal	211.87	35.98	259.84	1,003.85
Nutrient balance	-94.37	-0.60	-135.95	936.67
Applied to removed ratio	0.55	0.98	0.48	1.93

**Fresh water applied**

10,290,000.00 gallons  
378.95 acre-inches  
11.84 inches/acre

**Process wastewater applied**

1,759,500.00 gallons  
64.80 acre-inches  
2.02 inches/acre

**Total harvests for the crop**

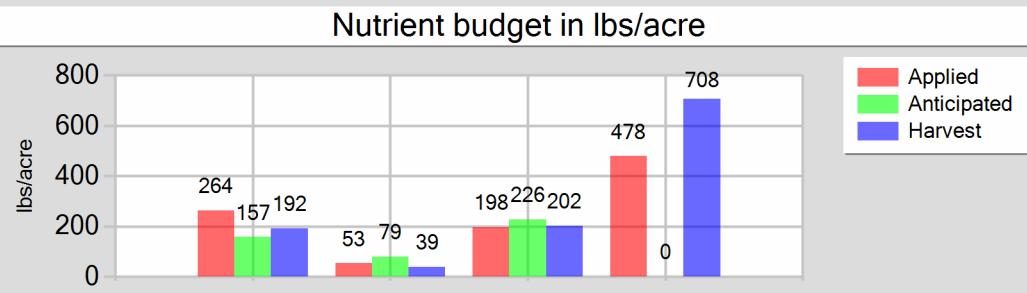
1 harvests

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

Field #3 - 06/17/2023: Corn, silage

Field name: Field #3      Crop: Corn, silage      Plant date: 06/17/2023



	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	99.40	0.00	0.00	0.00
Dry manure	122.00	41.56	158.19	0.00
Process wastewater	35.11	11.28	39.50	302.84
Fresh water	0.00	0.00	0.00	175.64
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	263.51	52.84	197.69	478.48
Anticipated crop nutrient removal	157.44	78.72	226.32	0.00
Actual crop nutrient removal	191.86	39.36	201.69	707.50
Nutrient balance	71.65	13.48	-4.00	-229.03
Applied to removed ratio	1.37	1.34	0.98	0.68

**Fresh water applied**

23,224,500.00 gallons
855.28 acre-inches
26.73 inches/acre

**Process wastewater applied**

561,000.00 gallons
20.66 acre-inches
0.65 inches/acre

**Total harvests for the crop**

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

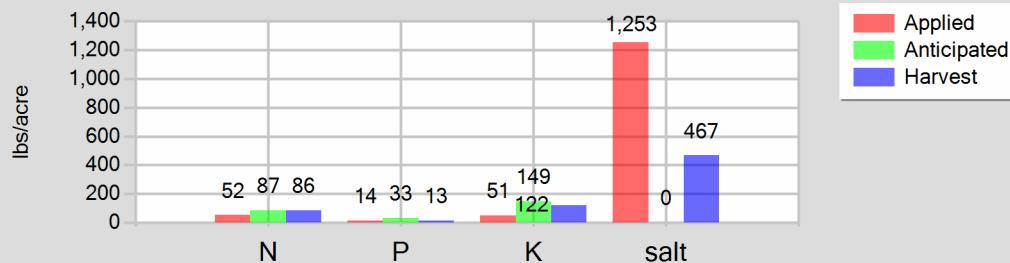
Field #4 - 11/02/2022: Triticale, soft dough

Field name: Field #4

Crop: Triticale, soft dough

Plant date: 11/02/2022

**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	0.00	0.00	0.00	0.00
Process wastewater	45.06	14.48	50.70	388.67
Fresh water	0.32	0.00	0.00	863.98
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	52.39	14.48	50.70	1,252.65
Anticipated crop nutrient removal	86.58	33.30	148.74	0.00
Actual crop nutrient removal	86.30	13.28	121.71	467.42
Nutrient balance	-33.92	1.20	-71.02	785.23
Applied to removed ratio	0.61	1.09	0.42	2.68

**Fresh water applied**

5,136,000.00 gallons  
189.14 acre-inches  
11.13 inches/acre

**Process wastewater applied**

382,500.00 gallons  
14.09 acre-inches  
0.83 inches/acre

**Total harvests for the crop**

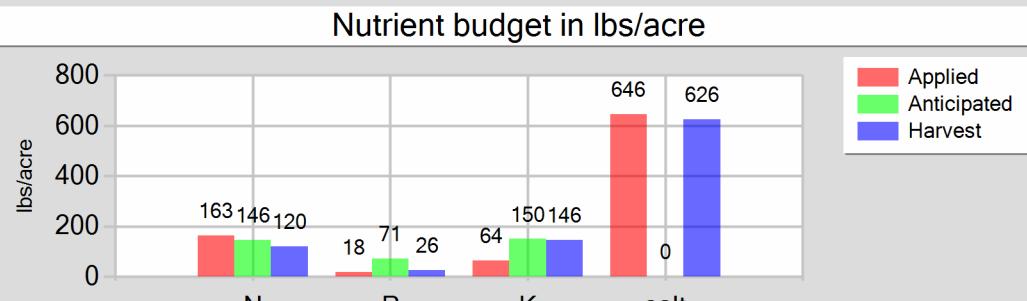
1 harvests

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

Field #4 - 06/19/2023: Corn, silage

Field name: Field #4      Crop: Corn, silage      Plant date: 06/19/2023



	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	99.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	57.08	18.34	64.21	492.31
Fresh water	0.00	0.00	0.00	153.23
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	163.48	18.34	64.21	645.55
Anticipated crop nutrient removal	145.86	71.06	149.60	0.00
Actual crop nutrient removal	119.79	26.20	146.00	625.92
Nutrient balance	43.69	-7.87	-81.78	19.63
Applied to removed ratio	1.36	0.70	0.44	1.03

**Fresh water applied**

10,764,000.00 gallons
396.40 acre-inches
23.32 inches/acre

**Process wastewater applied**

484,500.00 gallons
17.84 acre-inches
1.05 inches/acre

**Total harvests for the crop**

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

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

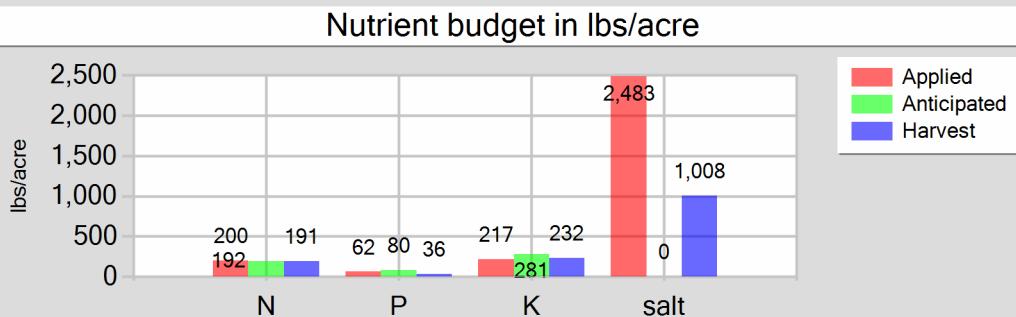
Reporting period 01/01/2023 to 12/31/2023.

Field #5 - 11/02/2022: Triticale, soft dough

Field name: Field #5

Crop: Triticale, soft dough

Plant date: 11/02/2022



	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	192.59	61.87	216.65	1,661.02
Fresh water	0.30	0.00	0.00	822.25
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	199.89	61.87	216.65	2,483.27
Anticipated crop nutrient removal	191.78	80.28	280.98	0.00
Actual crop nutrient removal	191.49	35.63	231.57	1,007.88
Nutrient balance	8.40	26.24	-14.92	1,475.39
Applied to removed ratio	1.04	1.74	0.94	2.46

**Fresh water applied**

6,993,000.00 gallons  
257.53 acre-inches  
10.73 inches/acre

**Process wastewater applied**

2,307,750.00 gallons  
84.99 acre-inches  
3.54 inches/acre

**Total harvests for the crop**

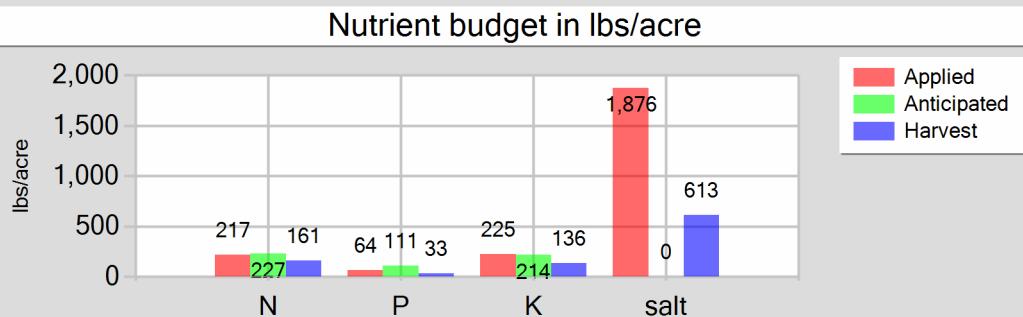
1 harvests

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

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

Field #5 - 06/15/2023: Corn, silage

Field name: Field #5      Crop: Corn, silage      Plant date: 06/15/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	10.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	200.04	64.26	225.03	1,725.26
Fresh water	0.00	0.00	0.00	151.21
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	217.04	64.26	225.03	1,876.46
Anticipated crop nutrient removal	226.60	111.24	214.24	0.00
Actual crop nutrient removal	161.07	33.04	136.29	613.18
Nutrient balance	55.97	31.22	88.74	1,263.28
Applied to removed ratio	1.35	1.94	1.65	3.06

**Fresh water applied**

14,995,500.00 gallons
552.23 acre-inches
23.01 inches/acre

**Process wastewater applied**

2,397,000.00 gallons
88.27 acre-inches
3.68 inches/acre

**Total harvests for the crop**

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

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

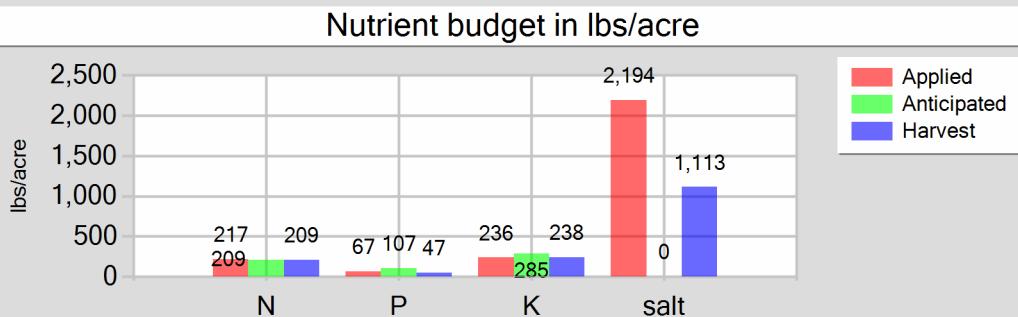
Reporting period 01/01/2023 to 12/31/2023.

Field #6 - 11/02/2022: Triticale, soft dough

Field name: Field #6

Crop: Triticale, soft dough

Plant date: 11/02/2022



	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	209.40	67.27	235.57	1,806.01
Fresh water	0.14	0.00	0.00	388.15
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	216.54	67.27	235.57	2,194.17
Anticipated crop nutrient removal	208.74	106.50	285.42	0.00
Actual crop nutrient removal	208.64	46.84	238.45	1,113.21
Nutrient balance	7.90	20.43	-2.88	1,080.96
Applied to removed ratio	1.04	1.44	0.99	1.97

**Fresh water applied**

5,838,000.00 gallons  
214.99 acre-inches  
7.17 inches/acre

**Process wastewater applied**

3,136,500.00 gallons  
115.51 acre-inches  
3.85 inches/acre

**Total harvests for the crop**

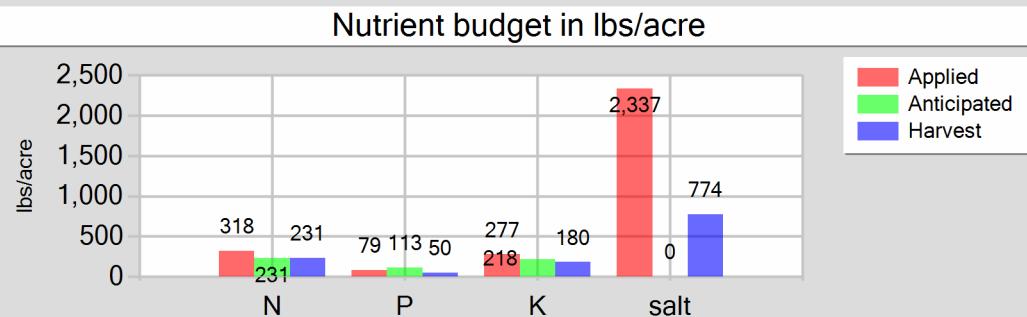
1 harvests

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

Field #6 - 06/08/2023: Corn, silage

Field name: Field #6      Crop: Corn, silage      Plant date: 06/08/2023



	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	65.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	246.00	79.03	276.74	2,121.70
Fresh water	0.00	0.00	0.00	215.51
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	318.00	79.03	276.74	2,337.20
Anticipated crop nutrient removal	231.00	113.40	218.40	0.00
Actual crop nutrient removal	230.56	50.30	180.26	774.30
Nutrient balance	87.44	28.72	96.49	1,562.90
Applied to removed ratio	1.38	1.57	1.54	3.02

**Fresh water applied**

26,715,000.00 gallons
983.82 acre-inches
32.79 inches/acre

**Process wastewater applied**

3,684,750.00 gallons
135.70 acre-inches
4.52 inches/acre

**Total harvests for the crop**

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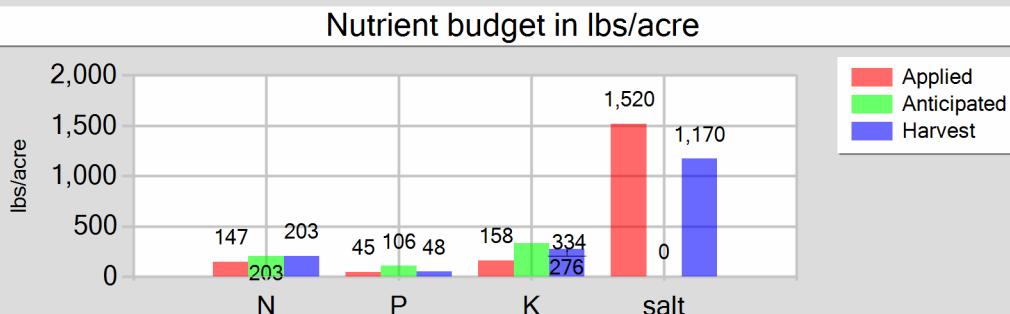
Reporting period 01/01/2023 to 12/31/2023.

Field #7 - 11/01/2022: Triticale, soft dough

Field name: Field #7

Crop: Triticale, soft dough

Plant date: 11/01/2022



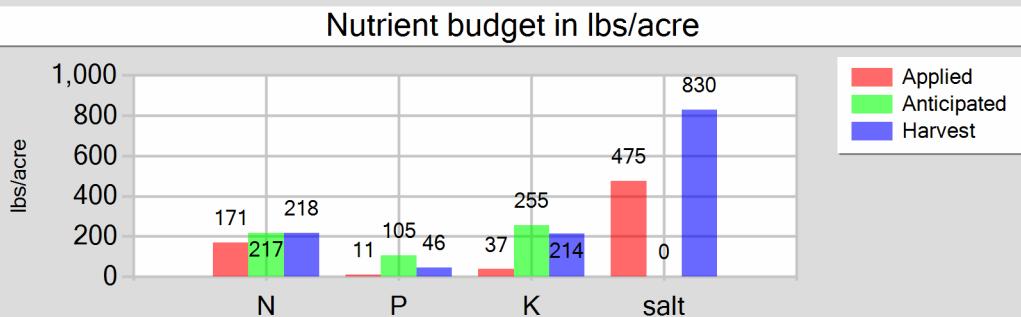
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	3,354,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	123.52 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	6.18 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	140.45	45.12	158.00	1,211.35	Process wastewater applied
Fresh water	0.00	0.00	0.00	308.51	1,402,500.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	51.65 acre-inches
Total nutrients applied	147.45	45.12	158.00	1,519.86	2.58 inches/acre
Anticipated crop nutrient removal	203.28	106.48	333.96	0.00	
Actual crop nutrient removal	203.15	48.37	275.71	1,170.46	Total harvests for the crop
Nutrient balance	-55.70	-3.25	-117.71	349.40	1 harvests
Applied to removed ratio	0.73	0.93	0.57	1.30	

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

Field #7 - 06/09/2023: Corn, silage

Field name: Field #7      Crop: Corn, silage      Plant date: 06/09/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	130.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	33.20	10.66	37.35	286.32
Fresh water	0.00	0.00	0.00	188.76
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	170.60	10.66	37.35	475.08
Anticipated crop nutrient removal	217.36	104.50	254.98	0.00
Actual crop nutrient removal	217.72	46.06	213.54	829.95
Nutrient balance	-47.13	-35.39	-176.19	-354.86
Applied to removed ratio	0.78	0.23	0.17	0.57

**Fresh water applied**

15,600,000.00 gallons
574.49 acre-inches
28.72 inches/acre

**Process wastewater applied**

331,500.00 gallons
12.21 acre-inches
0.61 inches/acre

**Total harvests for the crop**

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

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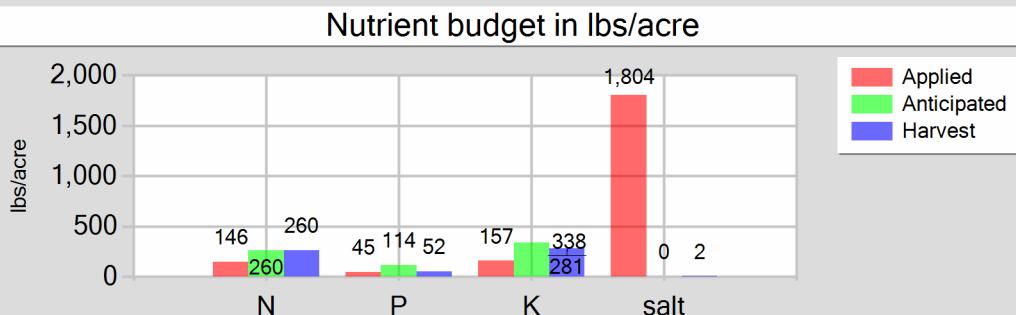
Reporting period 01/01/2023 to 12/31/2023.

Field #8 - 11/03/2022: Triticale, soft dough

Field name: Field #8

Crop: Triticale, soft dough

Plant date: 11/03/2022



	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	139.47	44.80	156.90	1,202.88
Fresh water	0.00	0.00	0.00	601.10
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	146.47	44.80	156.90	1,803.98
Anticipated crop nutrient removal	260.00	114.40	338.00	0.00
Actual crop nutrient removal	259.88	51.98	280.68	1.55
Nutrient balance	-113.41	-7.17	-123.78	1,802.42
Applied to removed ratio	0.56	0.86	0.56	1,160.78

**Fresh water applied**

7,416,000.00 gallons  
273.11 acre-inches  
10.50 inches/acre

**Process wastewater applied**

1,810,500.00 gallons  
66.67 acre-inches  
2.56 inches/acre

**Total harvests for the crop**

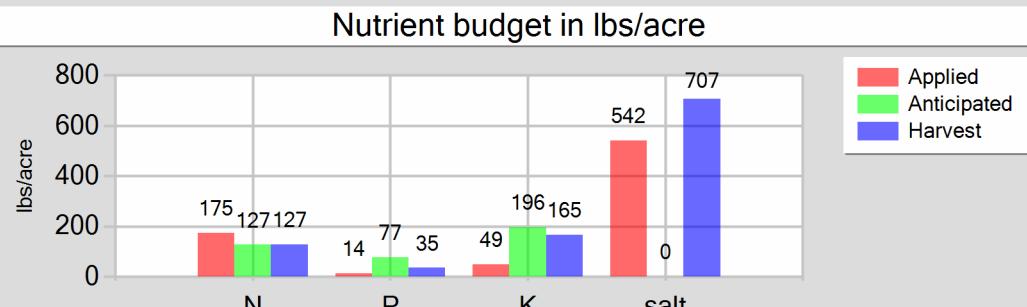
1 harvests

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

Field #8 - 06/13/2023: Corn, silage

Field name: Field #8      Crop: Corn, silage      Plant date: 06/13/2023



	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	124.40	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	43.22	13.88	48.62	372.72
Fresh water	0.00	0.00	0.00	169.16
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	174.62	13.88	48.62	541.88
Anticipated crop nutrient removal	126.72	76.80	195.84	0.00
Actual crop nutrient removal	127.00	34.64	165.48	706.58
Nutrient balance	47.62	-20.75	-116.87	-164.69
Applied to removed ratio	1.37	0.40	0.29	0.77

**Fresh water applied**

18,174,000.00 gallons
669.29 acre-inches
25.74 inches/acre

**Process wastewater applied**

561,000.00 gallons
20.66 acre-inches
0.79 inches/acre

**Total harvests for the crop**

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

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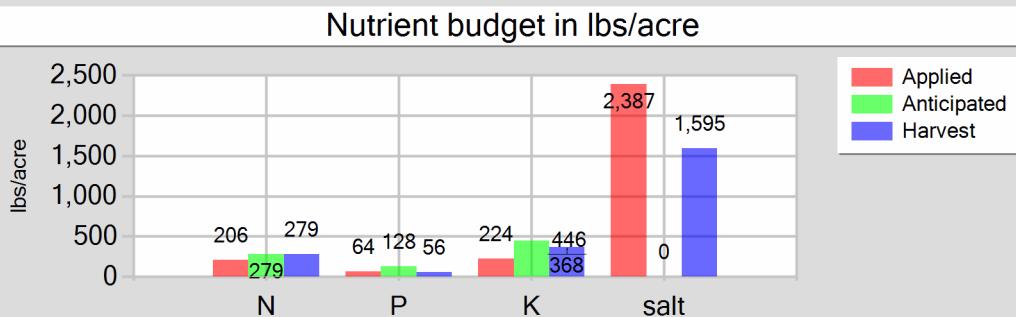
Reporting period 01/01/2023 to 12/31/2023.

Field #9 - 11/01/2022: Triticale, soft dough

Field name: Field #9

Crop: Triticale, soft dough

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	199.19	63.99	224.08	1,717.91
Fresh water	0.00	0.00	0.00	668.90
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	206.19	63.99	224.08	2,386.82
Anticipated crop nutrient removal	279.00	128.34	446.40	0.00
Actual crop nutrient removal	279.00	55.80	368.28	1,594.54
Nutrient balance	-72.81	8.19	-144.20	792.27
Applied to removed ratio	0.74	1.15	0.61	1.50

**Fresh water applied**

8,466,000.00 gallons  
311.77 acre-inches  
10.39 inches/acre

**Process wastewater applied**

2,983,500.00 gallons  
109.87 acre-inches  
3.66 inches/acre

**Total harvests for the crop**

1 harvests

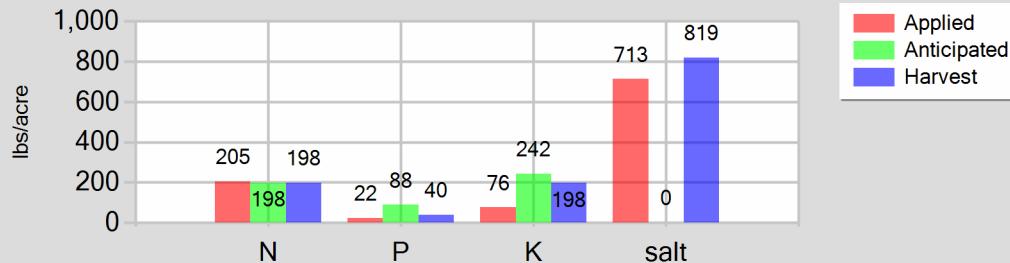
**Annual Report - General Order No. R5-2007-0035**

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

Field #9 - 06/13/2023: Corn, silage

Field name: Field #9      Crop: Corn, silage      Plant date: 06/13/2023

**Nutrient budget in lbs/acre**



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	17,238,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	634.82 acre-inches
Commercial fertilizer / Other	130.40	0.00	0.00	0.00	21.16 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	67.25	21.60	75.65	579.98	Process wastewater applied
Fresh water	0.00	0.00	0.00	133.10	1,007,250.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	37.09 acre-inches
Total nutrients applied	204.65	21.60	75.65	713.08	1.24 inches/acre
Anticipated crop nutrient removal	198.00	88.00	242.00	0.00	
Actual crop nutrient removal	197.67	39.53	197.67	818.75	Total harvests for the crop
Nutrient balance	6.98	-17.93	-122.02	-105.67	1 harvests
Applied to removed ratio	1.04	0.55	0.38	0.87	

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

**NUTRIENT ANALYSES****A. MANURE ANALYSES****Manure**

Sample and source description: Manure

Sample date: 05/18/2023 Material type: Scraped material Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 54.8 %

	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 (%)
Value	9,100.00	3,100.00	11,800.00							
DL	0.01	0.01	0.01							

**Manure**

Sample and source description: Manure

Sample date: 10/23/2023 Material type: Scraped material Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 32.3 %

	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 (%)
Value	10,100.00	3,800.00	17,300.00							
DL	0.01	0.01	0.01							

**B. PROCESS WASTEWATER ANALYSES****Process wastewater**

Sample and source description: Process wastewater

Sample date: 04/27/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	240.00	160.00	0.01	0.01	77.10	270.00								3,660.00	2,070
DL	0.01	0.01	0.01	0.01	0.01	0.01								0.01	1

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

**Process wastewater**

Sample and source description: Process wastewater

Sample date: 10/23/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	339.00	277.00	0.01	0.01	103.00	373.00								4,610.00	3,280
<b>DL</b>	0.01	0.01	0.01	0.01	0.01	0.01								0.01	1

**Process wastewater**

Sample and source description: Process wastewater

Sample date: 12/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	341.00	271.00	0.01	0.01	101.00	388.00								5,890.00	3,300
<b>DL</b>	0.01	0.01	0.01	0.01	0.01	0.01								0.01	1

**C. FRESH WATER ANALYSES**

**Ditch water**

**Ditch water**

Sample description: Ditch water

Sample date: 07/18/2022 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	0.00	0.00	0.00								32.00	29
<b>DL</b>	0.01	0.01	0.01								0.01	1

**Well #6**

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

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

**Well #6****Well #6**

Sample description: Well #6

Sample date: 12/11/2023 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	0.20	0.00	0.00								871.00	
DL	0.01	0.01	0.01								0.01	

**Well #7****Well #7**

Sample description: Well #7

Sample date: 12/11/2023 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	0.20	0.00	0.00								842.00	
DL	0.01	0.01	0.01								0.01	

**Well #8****Well #8**

Sample description: Well #8

Sample date: 12/11/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								672.00	
DL	0.01	0.01	0.01								0.01	

**Well #9**

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

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

**Well #9****Well #9**

Sample description: Well #9

Sample date: 12/11/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00								680.00	
DL	0.01	0.01	0.01								0.01	

**D. SOIL ANALYSES**

No soil analyses entered.

**E. PLANT TISSUE ANALYSES**

## Field #1 - 11/18/2022: Triticale, soft dough

**Field #1**

Sample and source description: Field #1

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

Moisture: 65.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,800.00	800.00	6,900.00		8.70
DL	0.01	0.01	0.01		0.01

## Field #1 - 06/20/2023: Corn, silage

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

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

Field #1 - 06/20/2023: Corn, silage

**Field #1**

Sample and source description: Field #1

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 68.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,400.00	700.00	3,900.00		5.10
<b>DL</b>	0.01	0.01	0.01		1.00

Field #10 - 11/15/2022: Triticale, soft dough

**Field #10**

Sample and source description: Field #10

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,900.00	800.00	5,600.00		7.90
<b>DL</b>	0.01	0.01	0.01		0.01

Field #10 - 06/16/2023: Corn, silage

**Field #10**

Sample and source description: Field #10

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,600.00	900.00	4,400.00		5.80
<b>DL</b>	0.01	0.01	0.01		1.00

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

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

Field #11 - 11/22/2022: Triticale, soft dough

Field #11

Sample and source description: Field #11

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

Moisture: 63.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,200.00	700.00	4,800.00		7.10
<b>DL</b>	0.01	0.01	0.01		0.01

Field #11 - 06/19/2023: Corn, silage

Field #11

Sample and source description: Field #11

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,700.00	600.00	4,500.00		4.80
<b>DL</b>	0.01	0.01	0.01		1.00

Field #12 - 11/18/2022: Triticale, soft dough

Field #12

Sample and source description: Field #12

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

Moisture: 64.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,100.00	700.00	5,800.00		7.60
<b>DL</b>	0.01	0.01	0.01		0.01

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

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

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

**Field #12**

Sample and source description: Field #12

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 55.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	6,600.00	1,000.00	7,800.00		6.20
<b>DL</b>	0.01	0.01	0.01		1.00

Field #15 - 11/05/2022: Triticale, soft dough

**Field #15**

Sample and source description: Field #15

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 74.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,500.00	900.00	7,000.00		11.50
<b>DL</b>	0.01	0.01	0.01		0.01

Field #15 - 06/15/2023: Corn, silage

**Field #15**

Sample and source description: Field #15

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,500.00	800.00	3,800.00		4.60
<b>DL</b>	0.01	0.01	0.01		1.00

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

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

Field #2 - 10/29/2022: Triticale, soft dough

**Field #2**

Sample and source description: Field #2

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

Moisture: 71.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,300.00	1,000.00	6,700.00		11.80
<b>DL</b>	0.01	0.01	0.01		0.01

Field #2 - 06/21/2023: Corn, silage

**Field #2**

Sample and source description: Field #2

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

Moisture: 64.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,400.00	900.00	3,400.00		5.10
<b>DL</b>	0.01	0.01	0.01		1.00

Field #3 - 11/16/2022: Triticale, soft dough

**Field #3**

Sample and source description: Field #3

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

Moisture: 65.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,300.00	900.00	6,500.00		7.30
<b>DL</b>	0.01	0.01	0.01		0.01

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

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

Field #3 - 06/17/2023: Corn, silage

**Field #3**

Sample and source description: Field #3

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 71.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,900.00	800.00	4,100.00		5.10
<b>DL</b>	0.01	0.01	0.01		1.00

Field #4 - 11/02/2022: Triticale, soft dough

**Field #4**

Sample and source description: Field #4

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

Moisture: 64.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,900.00	600.00	5,500.00		5.90
<b>DL</b>	0.01	0.01	0.01		0.01

Field #4 - 06/19/2023: Corn, silage

**Field #4**

Sample and source description: Field #4

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,200.00	700.00	3,900.00		5.50
<b>DL</b>	0.01	0.01	0.01		1.00

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

Field #5 - 11/02/2022: Triticale, soft dough

**Field #5**

Sample and source description: Field #5

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,300.00	800.00	5,200.00		6.90
<b>DL</b>	0.01	0.01	0.01		0.01

Field #5 - 06/15/2023: Corn, silage

**Field #5**

Sample and source description: Field #5

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,900.00	800.00	3,300.00		4.90
<b>DL</b>	0.01	0.01	0.01		1.00

Field #6 - 11/02/2022: Triticale, soft dough

**Field #6**

Sample and source description: Field #6

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,900.00	1,100.00	5,600.00		8.60
<b>DL</b>	0.01	0.01	0.01		0.01

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

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Field #6 - 06/08/2023: Corn, silage

**Field #6**

Sample and source description: Field #6

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 60.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,500.00	1,200.00	4,300.00		4.70
<b>DL</b>	0.01	0.01	0.01		1.00

Field #7 - 11/01/2022: Triticale, soft dough

**Field #7**

Sample and source description: Field #7

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,200.00	1,000.00	5,700.00		7.40
<b>DL</b>	0.01	0.01	0.01		0.01

Field #7 - 06/09/2023: Corn, silage

**Field #7**

Sample and source description: Field #7

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 62.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,200.00	1,100.00	5,100.00		5.30
<b>DL</b>	0.01	0.01	0.01		1.00

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

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

Field #8 - 11/03/2022: Triticale, soft dough

**Field #8**

Sample and source description: Field #8

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 70.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,000.00	1,000.00	5,400.00		0.01
<b>DL</b>	0.01	0.01	0.01		0.01

Field #8 - 06/13/2023: Corn, silage

**Field #8**

Sample and source description: Field #8

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	3,300.00	900.00	4,300.00		5.40
<b>DL</b>	0.01	0.01	0.01		1.00

Field #9 - 11/01/2022: Triticale, soft dough

**Field #9**

Sample and source description: Field #9

Sample date: 05/08/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	5,000.00	1,000.00	6,600.00		9.40
<b>DL</b>	0.01	0.01	0.01		0.01

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Field #9 - 06/13/2023: Corn, silage

Field #9

Sample and source description: Field #9

Sample date: 09/25/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	4,500.00	900.00	4,500.00		5.70
<b>DL</b>	0.01	0.01	0.01		1.00

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

*No subsurface (tile) drainage analyses entered.*

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

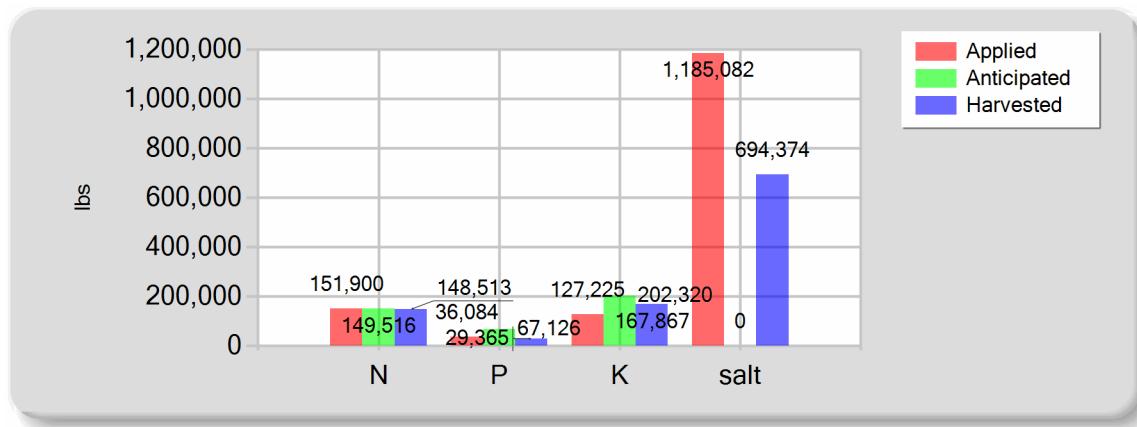
Reporting period 01/01/2023 to 12/31/2023.

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

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	34,875.80	0.00	0.00	0.00
Dry manure	7,557.55	2,574.55	9,799.90	0.00
Process wastewater	104,428.40	33,509.80	117,425.40	902,855.36
Fresh water	40.20	0.00	0.00	282,226.39
Atmospheric deposition	4,998.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>151,899.95</b>	<b>36,084.35</b>	<b>127,225.30</b>	<b>1,185,081.75</b>
Anticipated crop nutrient removal	149,516.34	67,125.58	202,320.02	0.00
Actual crop nutrient removal	148,513.48	29,364.98	167,866.82	694,373.64
<b>Nutrient balance</b>	<b>3,386.47</b>	<b>6,719.37</b>	<b>-40,641.52</b>	<b>490,708.11</b>
Applied to removed ratio	1.02	1.23	0.76	1.71

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

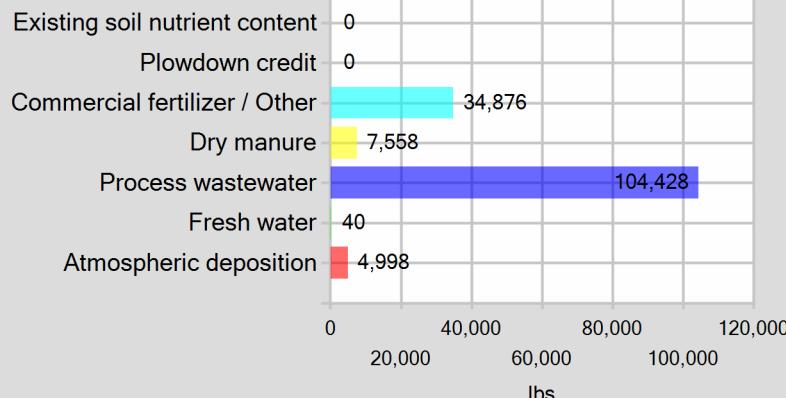


Annual Report - General Order No. R5-2007-0035

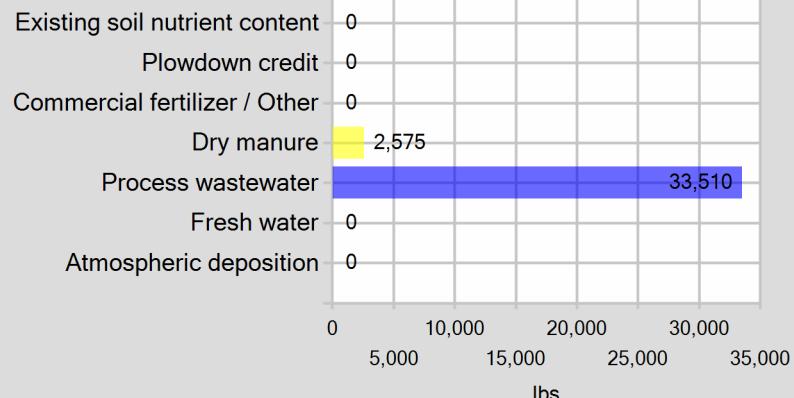
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

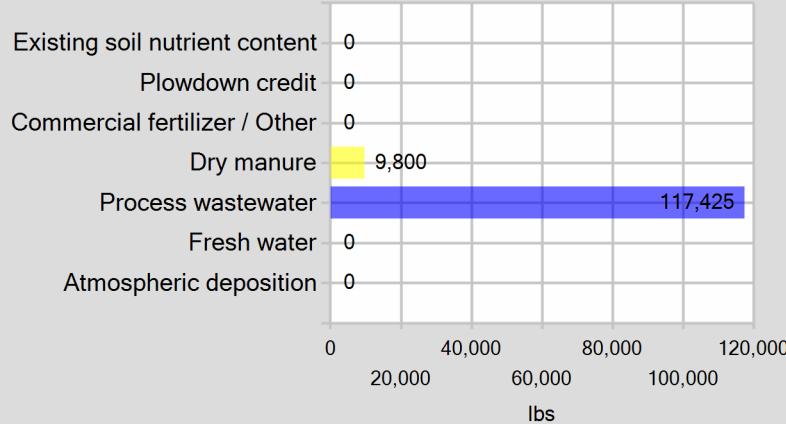
Pounds of nitrogen applied



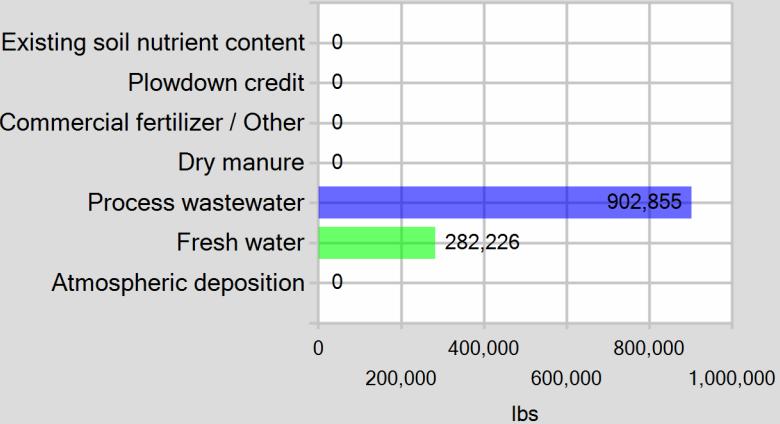
Pounds of phosphorus applied



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**

*No notes entered for this annual report.*

**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.*

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SIGNATURE OF OWNER OF FACILITY

Rodney G. Kamper

PRINT OR TYPE NAME

---

SIGNATURE OF OPERATOR OF FACILITY

Cornelis Kamper, Jr.

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.



**DELLAVALLE**  
LABORATORY INC**Report of Dairy Well Water Analysis**

Mt Whitney Dairy  
20784 S Marks Ave  
Riverdale  
00-0015956

CA  
93656  
08

E-mail: kamp4x4@att.net  
Copy To:

Lab No.: 23L0523  
Sampled By: Rodney  
Requested By: Rodney Kamper  
Submitted Date: 12/11/23  
Reported Date: 12/18/23  
Project:  
Crop ID:

Sampled	Time	Date	EC	NO <sub>3</sub> -N mg/L	Field NH <sub>4</sub> -N mg/L	Total NH <sub>4</sub> -N mg/L	pH at 25°C unit	Chloride mg/L	
								mmhos/cm	mmhos/cm
6 Irrigation Water Well - #6	8:54	12/11/23	871	0.87	0.2	ND	8.5		
7 Irrigation Water Well - #7	8:47	12/11/23	842	0.84	0.2	ND	8.7		
8 Irrigation Water Well - #8	8:52	12/11/23	672	0.67	ND	ND	8.8		
9 Irrigation Water Well - #9	9:03	12/11/23	680	0.68	ND	ND	8.7		

\* = Field NH<sub>4</sub>-N not Taken.

ND = None Detected

Approved By:

*Rodney Kamper*  
Laboratory Director\Technical Manager  
ELAP Certification #1595  
A2LA Certification #6440.02

**Report of Dairy Canal Water Analysis**

Mt Whitney Dairy  
20784 S Marks Ave  
Riverdale CA 93656  
00-0015956 08

Lab No.: 22G1327

Sampled By: Rodney

Requested By: Rodney

Submitted Date: 07/18/22

Reported Date: 07/28/22

Project: Ditch Water

Crop ID:

E-mail: kamp4x4@att.net

Copy To:

	Date Sampled	Time Sampled	EC mmhos/cm	EC mmhos/cm	NO3-N mg/L	TDS mg/L	Comments	Crop	Water Sampling
1	Ditch Water	7/18/22	10:18	32	0.03	ND	29.5		

ND = None Detected

Approved By:

Laboratory Director\Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02

*Ron M. Knollard*

Ron M. Knollard

Laboratory Director\Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02

**Manure / Process Wastewater Tracking Manifest****For****Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**Name of Operator: Rodney KamperName of Dairy Facility: Mt. Whitney Dairy

Facility Address:

2792 W Mt. Whitney AVE

Riverdale

Fresno

93656

Number and Street

City

County

Zip Code

Contact Person Name and Phone Number: Rodney Kamper

Name

(559) 288-1791

Phone Number

**MANURE HAULER INFORMATION**Name of Hauling Company/Person: Thomas Bros. Spreading, Inc.

Address of Hauling Company/Person:

19721 Excelsior

Riverdale

CA

93656

Number and Street

City

State

Zip Code

Contact Person: Manuel Thomas

Name

(559) 906-1406

Phone Number

**DESTINATION INFORMATION**Composting Facility / Broker / Farmer / Other (identify): Farmer

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

Mt. Whitney Dairy Fuller Ranch

(559) 260-9712

Name

Phone Number

20784 S Marks AVE

Riverdale

CA

93656

Address

City

State

Zip Code

Destination Address or Assessor's Parcel Number:

Riverdale

93656

Address

City

Zip Code

SE Corner of Harlan and Blythe Avenues

Fresno

Street and nearest cross street (if no address)

County

Assessor's Parcel Number

Assessor's Parcel Number County

Last date hauled: 05/29/2023

**Manure / Process Wastewater Tracking Manifest**  
**For**  
**Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 6,154.80 tons

Manure Solids Content: 45.2 %

Method used to determine amount of manure:

check weigh loads

**CERTIFICATION**

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

Operator Signature



6-28-2024

Hauler Signature



Date

5-31-23

Date

MANURE HAULER INFORMATION

**DESTINATION INFORMATION**

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**

Name of Operator: Rodney Kamper

Name of Dairy Facility: Mt. Whitney Dairy

Facility Address:

<u>2792 W Mt. Whitney AVE</u>	<u>Riverdale</u>	<u>Fresno</u>	<u>93656</u>
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number:	<u>Rodney Kamper</u>	<u>(559) 260-9712</u>
	Name	Phone Number

**MANURE HAULER INFORMATION**

Name of Hauling Company/Person: Thomas Bros. Spreading, Inc.

Address of Hauling Company/Person:

<u>19721 Excelsior</u>	<u>Riverdale</u>	<u>CA</u>	<u>93656</u>
Number and Street	City	State	Zip Code

Contact Person:	<u>Manuel Thomas</u>	<u>(559) 906-1406</u>
	Name	Phone Number

**DESTINATION INFORMATION**

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

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

<u>Mt. Whitney Dairy Fuller Ranch</u>	<u>(559) 260-9712</u>
Name	Phone Number

<u>20784 S Marks AVE</u>	<u>Riverdale</u>	<u>CA</u>	<u>93656</u>
Address	City	State	Zip Code

Destination Address or Assessor's Parcel Number:

<u>Riverdale</u>	<u>93656</u>	
Address	City	Zip Code

<u>SE Corner of Harlan and Blythe Avenues</u>	<u>Fresno</u>
Street and nearest cross street (if no address)	County

Assessor's Parcel Number                          Assessor's Parcel Number County                         

Last date hauled: 11/28/2023

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 4,260.00 tons

Manure Solids Content: 67.7 %

Method used to determine amount of manure:

check weigh loads

**CERTIFICATION**

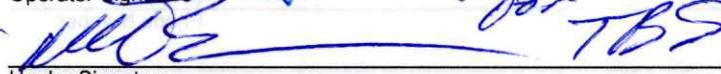
I declare under penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware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

Operator Signature



6-28-2024

Hauler Signature



Date

12-3-23

Date

**MANURE HAULER INFORMATION**

Business Name  
TBS

Business Address  
1500 N 100 E

City, State  
Logansport, IN

Phone Number  
(574) 523-1234

Fax Number  
(574) 523-1234

E-mail Address  
tbs@tbs.com

**DESTINATION INFORMATION**

Address  
1500 N 100 E

City, State  
Logansport, IN

Phone Number  
(574) 523-1234

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**

Name of Operator: Rodney Kamper

Name of Dairy Facility: Mt. Whitney Dairy

Facility Address:

2792 W Mt. Whitney AVE Number and Street	Riverdale City	Fresno County	93656 Zip Code
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Contact Person Name and Phone Number:	Rodney Kamper Name	(559) 260-9712 Phone Number
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**MANURE HAULER INFORMATION**

Name of Hauling Company/Person: Thomas Bros. Spreading, Inc.

Address of Hauling Company/Person:

19721 Excelsior Number and Street	Riverdale City	CA State	93656 Zip Code
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Contact Person: <u>Manuel Thomas</u> Name	(559) 906-1406 Phone Number
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**DESTINATION INFORMATION**

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

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

Mt. Whitney Farms Name	(559) 260-9712 Phone Number
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20784 S Marks AVE Address	Riverdale City	CA State	93656 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Riverdale City	93656 Zip Code
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NW Corner of Harlan & Brawley Street and nearest cross street (if no address)	Fresno County
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Assessor's Parcel Number

Assessor's Parcel Number County

Last date hauled: 05/29/2023

**Manure / Process Wastewater Tracking Manifest**

For

**Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 2,856.60 tonsManure Solids Content: 45.2 %

Method used to determine amount of manure:

check weigh loads

**CERTIFICATION**

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

Operator Signature Robert A. StumperDate 6-28-2024Hauler Signature MEDate 5-31-23**MANURE HAULER INFORMATION****CERTIFICATION**

Name of Hauling Company/Entity TBS Address of Hauling Company/Entity 1000 N. Main Street, Marion, OH 43302

Driver Name Robert A. Stumper Driver License Number AB1234567890 Date Driver Last Hauled 6-28-2024

Dispatcher Name ME Dispatcher License Number AB1234567890 Date Dispatcher Last Hauled 5-31-23

Customer Name John Doe Customer Address 123 Main Street, Marion, OH 43302

**DESTINATION INFORMATION**

Composting Facility / Animal Farm / Other (Identify) None Date Arrived 6-28-2024 Date Left 6-28-2024

Composting Information to Composting Facility / Animal Farm / Other (as identified above) None Date Arrived 6-28-2024 Date Left 6-28-2024

Address of Agassiz's Place of Employment 123 Main Street, Marion, OH 43302 Date Arrived 6-28-2024 Date Left 6-28-2024

Address of Hayne & Gandy 123 Main Street, Marion, OH 43302 Date Arrived 6-28-2024 Date Left 6-28-2024

Address of Other None Date Arrived 6-28-2024 Date Left 6-28-2024

Address of Other None Date Arrived 6-28-2024 Date Left 6-28-2024

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**

Name of Operator: Rodney Kamper

Name of Dairy Facility: Mt. Whitney Dairy

Facility Address:

<u>2792 W Mt. Whitney AVE</u>	<u>Riverdale</u>	<u>Fresno</u>	<u>93656</u>
Number and Street	City	County	Zip Code

Contact Person Name and Phone Number: Rodney Kamper (559) 260-9712  
Name Phone Number

**MANURE HAULER INFORMATION**

Name of Hauling Company/Person: Thomas Bros. Spreading, Inc.

Address of Hauling Company/Person:

<u>19721 Excelsior</u>	<u>Riverdale</u>	<u>CA</u>	<u>93656</u>
Number and Street	City	State	Zip Code

Contact Person: Manuel Thomas (559) 906-1406  
Name Phone Number

**DESTINATION INFORMATION**

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

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

<u>Gene and Grace Davis</u>	<span style="float: right;">(559) 867-4255</span>
Name	Phone Number

22391 S Hughes AVE Riverdale CA 93656  
Address City State Zip Code

Destination Address or Assessor's Parcel Number:

<u>22391 S Hughes AVE</u>	<u>Riverdale</u>	<u>93656</u>
Address	City	Zip Code

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

Assessor's Parcel Number Assessor's Parcel Number County

Last date hauled: 06/03/2023

**Manure / Process Wastewater Tracking Manifest**

**For**

**Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 860.00 tons

Manure Solids Content: 67.7 %

Method used to determine amount of manure:

check weigh loads

**CERTIFICATION**

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

Operator Signature

Rodney L. Lampert

6-28-2024

Hauler Signature

MLT

for Thomas Bros.

Date

6-5-23 Date

MANURE HAULER INFORMATION

Phone: (509) 800-1409  
Fax: (509) 800-1409

County: Spokane  
Name: Michael Thompson

Address:  
123 Main Street

City: Spokane  
State: WA  
Zip: 99201

DETERMINATION OF DISCHARGE

Complete and accurate copy of Facility Name, Owner(s), Operator(s), Facility Address, and Discharge location shall be provided.

Address:  
123 Main Street

City: Spokane  
State: WA  
Zip: 99201

Address:  
123 Main Street

City: Spokane  
State: WA  
Zip: 99201

Address:  
123 Main Street

City: Spokane  
State: WA  
Zip: 99201

Additional Facility Name(s):

Fax: (509) 800-1409  
Email: michael.thompson@spokanecounty.org

Phone:

(509) 800-1409

Fax:

(509) 800-1409

Email:

michael.thompson@spokanecounty.org

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**

Name of Operator: Rodney Kamper

Name of Dairy Facility: Mt. Whitney Dairy

Facility Address:

2792 W Mt. Whitney AVE Number and Street	Riverdale City	Fresno County	93656 Zip Code
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Contact Person Name and Phone Number:	Rodney Kamper Name	(559) 260-9712 Phone Number
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**MANURE HAULER INFORMATION**

Name of Hauling Company/Person: MLT Soil Supplements, Inc.

Address of Hauling Company/Person:

P.O. Box 992 Number and Street	Riverdale City	CA State	93656 Zip Code
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Contact Person: <u>Manuel Thomas</u> Name	(559) 906-1406 Phone Number
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**DESTINATION INFORMATION**

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

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

MLT Soil Supplements, Inc. Name	(559) 906-1406 Phone Number
------------------------------------	--------------------------------

P.O. Box 990 Address	Riverdale City	CA State	93656 Zip Code
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Destination Address or Assessor's Parcel Number:

Address	Riverdale City	93656 Zip Code
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Excelsior and 23rd Avenues Street and nearest cross street (if no address)	Fresno County
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Assessor's Parcel Number                          Assessor's Parcel Number County                         

Last date hauled: 07/10/2023

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 259.99 tons

Manure Solids Content: 67.7 %

Method used to determine amount of manure:

check weigh loads

**CERTIFICATION**

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

Operator Signature



6-28-2024

Date

Hauler Signature



7-12-23

Date

**MANURE QUALITY INFORMATION**

**CONTAMINANT INFORMATION**

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**

Name of Operator: Rodney Kamper

Name of Dairy Facility: Mt. Whitney Dairy

Facility Address:

2792 W Mt. Whitney AVE

Riverdale

Fresno

93656

Number and Street

City

County

Zip Code

Contact Person Name and Phone Number: Rodney Kamper  
Name

(559) 260-9712  
Phone Number

**MANURE HAULER INFORMATION**

Name of Hauling Company/Person: Burrows Bros. Trucking & Spreading

Address of Hauling Company/Person:

13265 W Jensen AVE

Kerman

CA

93630

Number and Street

City

State

Zip Code

Contact Person: Lonnie Burrows  
Name

(559) 846-9129  
Phone Number

**DESTINATION INFORMATION**

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

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

Burrows Bros. Trucking & Spreading  
Name

(559) 846-9129  
Phone Number

136265 W Jensen AVE  
Address

Kerman

CA

93630

City

State

Zip Code

Destination Address or Assessor's Parcel Number:

13265 W Jensen AVE  
Address

Kerman

93630

City

Zip Code

Jensen  
Street and nearest cross street (if no address)

Fresno

County

Assessor's Parcel Number

Assessor's Parcel Number County

Last date hauled: 11/25/2023

**Manure / Process Wastewater Tracking Manifest  
For  
Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 978.68 tons

Manure Solids Content: 67.7 %

Method used to determine amount of manure:  
scale

**CERTIFICATION**

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

Operator Signature



Date

6-28-24

Hauler Signature



Date

06/27/24

**MANURE HAULER INFORMATION**

Address  
City, State, Zip

Address  
City, State, Zip

Address  
City, State, Zip

Address  
City, State, Zip

Phone Number  
Fax Number

Phone Number  
Fax Number

**DISCHARGE LOCATION INFORMATION**

Address  
City, State, Zip

Address  
City, State, Zip

Address  
City, State, Zip

Address  
City, State, Zip

Phone Number  
Fax Number

Phone Number  
Fax Number

Phone  
City, State, Zip

Address  
City, State, Zip

Address  
City, State, Zip

Phone Number  
Fax Number

**ATTACHMENT D**

**MANURE/PROCESS WASTEWATER TRACKING MANIFEST  
FOR  
EXISTING MILK COW DAIRIES**

**Instructions:**

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

**Operator Information:**

Name of Operator: MT. WHITNEY DAIRY

Name of Dairy Facility: \_\_\_\_\_

Facility Address:

Number and Street

City

Zip Code

Contact Person Name and Phone Number:

Name

Phone Number

**Manure/Process Wastewater Hauler Information:**

Name of Hauling Company/Person: Netto Ag Inc. / Frank Netto

Address of Hauling Company / person: 10044 Flint Ave Hanford CA 93230

Number and Street

City

Zip Code

Contact Person: Frank Netto

559-585-2097

Phone Number

**Destination Information:**

Composting Facility / Broker / Farmer / Other (identify) FARMER (please circle one)

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

**ELKHORN FARMS**

Name                          Number and Street                          City                          Zip Code                          Phone                         

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

**FOWLER & DAVIS (40 AC)**

Number and Street                          City                          Zip Code                          Assessor's Parcel Number                         

Dates Hauled: 7/6-7/8/23

**Amount Hauled:**

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1,660 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons):

Manure Density (if amount reported in cubic yards):

MANUFACTURED WASTEWATER TRADING MARKET  
FOR  
EXISTING MILK COW DAIRIES

**Attachment D****D-2****Waste Discharge Requirements General order No. R-5-2007-0035****Existing Milk Cow Dairies**

Method used to determine amount of manure: \_\_\_\_\_

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.

Process Wastewater: \_\_\_\_\_ Gallons

Method used to determine volume of process wastewater: \_\_\_\_\_

**Written Agreement:**

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No, R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

Yes \_\_\_\_\_ No \_\_\_\_\_

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement).

**Certification:**

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

Operator's Signature: \_\_\_\_\_

Date: 6-28-2024

Hauler's Signature: Netto Ag Inc By: \_\_\_\_\_

Date: 7/8/2023

**ATTACHMENT D**

**MANURE/PROCESS WASTEWATER TRACKING MANIFEST  
FOR  
EXISTING MILK COW DAIRIES**

**Instructions:**

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

**Operator Information:**

Name of Operator: MT. WHITNEY DAIRY

Name of Dairy Facility: \_\_\_\_\_

Facility Address:

Number and Street	City	Zip Code
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Contact Person Name and Phone Number:

Name	Phone Number
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**Manure/Process Wastewater Hauler Information:**

Name of Hauling Company/Person: Netto Ag Inc. / Frank Netto

Address of Hauling Company / person: 10044 Flint Ave Hanford CA 93230

Number and Street	City	Zip Code
-------------------	------	----------

Contact Person: Frank Netto 559-585-2097

Phone Number
--------------

**Destination Information:**

Composting Facility / Broker / Farmer / Other (identify) FARMER (please circle one)

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

**ELKHORN FARMS**

Name	Number and Street	City	Zip Code	Phone
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Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

**FOWLER & DAVIS (7 AC)**

Number and Street	City	Zip Code	Assessor's Parcel Number
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Dates Hauled: 7/13/2023

**Amount Hauled:**

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 240 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons):

Manure Density (if amount reported in cubic yards):

## ATTACHMENT D

MANUFACTURED WASTEWATER TRACTING MANIFEST  
FOR  
EXISTING MILK COW DAIRIES

**Attachment D****D-2****Waste Discharge Requirements General order No. R-5-2007-0035****Existing Milk Cow Dairies**

Method used to determine amount of manure: \_\_\_\_\_

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.

Process Wastewater: \_\_\_\_\_ Gallons

Method used to determine volume of process wastewater: \_\_\_\_\_

**Written Agreement:**

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No, R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

Yes \_\_\_\_\_ No \_\_\_\_\_

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement).

**Certification:**

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

Operator's Signature: \_\_\_\_\_

*Rodney S. Kamper*Date: **6-28-2024**

Hauler's Signature: Netto Ag Inc By: \_\_\_\_\_

*James H. Netto*Date: **7/13/2023**

**ATTACHMENT D**

**MANURE/PROCESS WASTEWATER TRACKING MANIFEST  
FOR  
EXISTING MILK COW DAIRIES**

**Instructions:**

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

**Operator Information:**

Name of Operator: MT. WHITNEY DAIRY

Name of Dairy Facility: \_\_\_\_\_

Facility Address:

Number and Street

City

Zip Code

Contact Person Name and Phone Number:

Name

Phone Number

**Manure/Process Wastewater Hauler Information:**

Name of Hauling Company/Person: Netto Ag Inc. / Frank Netto

Address of Hauling Company / person: 10044 Flint Ave Hanford CA 93230

Number and Street

City

Zip Code

Contact Person: Frank Netto

559-585-2097

Phone Number

**Destination Information:**

Composting Facility / Broker / Farmer / Other (identify)

FARMER (please circle one)

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

**ELKHORN FARMS**

Name ELKHORN FARMS Number and Street

City

Zip Code

Phone

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

**FOWLER & DAVIS (20 AC)**

Number and Street

City

Zip Code

Assessor's Parcel Number

Dates Hauled: 7/8/2023

**Amount Hauled:**

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 340 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons):

Manure Density (if amount reported in cubic yards):

ATTACHMENT D

MANUFACTURE PROCESS WASTEWATER TRACKING MANIFEST  
FOR  
EXISTING MILK COW DAIRIES

**Attachment D**

**D-2**

**Waste Discharge Requirements General order No. R-5-2007-0035**

**Existing Milk Cow Dairies**

Method used to determine amount of manure: \_\_\_\_\_

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.

Process Wastewater: \_\_\_\_\_ Gallons

Method used to determine volume of process wastewater: \_\_\_\_\_

**Written Agreement:**

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No, R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

Yes \_\_\_\_\_ No \_\_\_\_\_

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement).

**Certification:**

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

Operator's Signature: \_\_\_\_\_

Date: 6-28-2024

Hauler's Signature: Netto Ag Inc By: \_\_\_\_\_

Date: 7/8/2023

**Manure / Process Wastewater Tracking Manifest****For****Existing Milk Cow Dairies**

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

**INSTRUCTIONS**

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

**OPERATOR INFORMATION**Name of Operator: Rodney KamperName of Dairy Facility: Mt. Whitney Dairy

Facility Address:

2792 W Mt. Whitney AVE

Riverdale

Fresno

93656

Number and Street

City

County

Zip Code

Contact Person Name and Phone Number: Rodney Kamper

Name

(559) 260-9712

Phone Number

**MANURE HAULER INFORMATION**Name of Hauling Company/Person: Rosa Farms Trucking, LLC

Address of Hauling Company/Person:

18586 Excelsior AVE

Laton

CA

93242

Number and Street

City

State

Zip Code

Contact Person: Robert Martin

Name

(559) 284-8513

Phone Number

**DESTINATION INFORMATION**Composting Facility / Broker / Farmer / Other (identify): Broker

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

FTF Alliance

(559) 284-8513

Name

Phone Number

P.O. Box 960

Riverdale

CA

93656

Address

City

State

Zip Code

Destination Address or Assessor's Parcel Number:

18586 Excelsior AVE

Laton

93242

Address

City

Zip Code

Fresno

Street and nearest cross street (if no address)

County

Assessor's Parcel Number

Assessor's Parcel Number County

Last date hauled: 08/31/2023

**Manure / Process Wastewater Tracking Manifest**

**For**

**Existing Milk Cow Dairies**

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

**MANURE AMOUNT HAULED**

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

Manure: 1,979.94 tons

Manure Solids Content: 67.7 %

Method used to determine amount of manure:

scale

**CERTIFICATION**

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

*Robert J. Thompson*

Operator Signature

*6-28-2024*

Date

*for ROBERT MARTIN*

Hauler Signature

*06-28-2024*

Date

MANURE HAULER INFORMATION

**DETERMINATION INFORMATION**