

Annual Report - General Order No. R5-2007-0035*Reporting period 1/1/2020 to 12/31/2020.***DAIRY FACILITY INFORMATION****A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:** Pharmz

Physical Address of dairy:

123 Test StTurlockFresno95382

Number and Street

City

County

Zip Code

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

Date facility was originally placed in operation: 5/12/2022Regional Water Quality Control Board Basin Plan designation: San Joaquin River Basin

County Assessor Parcel Number(s) for dairy facility:

00000000000000420000000000000013**B. OPERATORS**TestOp JikhOperator name: TestOp JikhTelephone no.: (209) 599-7645P.O. Box 8032HilmarCA95324

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.

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TestOp Jikh

Operator name: TestOp JikhTelephone no.: (209) 599-7645P.O. Box 8032HilmarCA95324

Mailing Address Number and Street

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This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	5	5	5	5	5	5
Number under roof	5	5	5	5	5	5
Maximum number	12	12	12	12	12	12
Average number	5	5	5	5	5	5
Avg live weight (lbs)	5	5	5	5		

Predominant milk cow breed: Holstein

Average milk production: 21 pounds per cow per day

B. MANURE GENERATED:

Total manure excreted by the herd: 250.58 tons per reporting period

Total nitrogen from manure: 3,683.52 lbs per reporting period After ammonia losses (30% loss applied): 2578.46 lbs per reporting period

Total phosphorus from manure: 533.41 lbs per reporting period

Total potassium from manure: 798.76 lbs per reporting period

Total salt from manure: 3,513.6 lbs per reporting period

C. PROCESS WASTEWATER GENERATED:

Process wastewater generated: 25,754,931 gallons

Total nitrogen generated: 98,625.26 lbs

Total phosphorus generated: 5,367.85 lbs

Total potassium generated: 99,428.38 lbs

Total salt generated: 1,683,538.66 lbs

	21,855,000	gallons applied
+	3,900,000	gallons exported
-	69	gallons imported
=	25,754,931	gallons generated

D. FRESH WATER SOURCES

Source Description	Type
Canal	Ground water
Canal	Surface water



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Well 5	Ground water
Well 6	Ground water
Well 7	Surface water
Well 7	Ground water
Well 8	Ground water
Well 9	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

Source Description
Tile Drain 1

F. NUTRIENT IMPORTS

Date	Material Type/ Description	Quantity (tons)	Reporting basis	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
5/9/2020	Dry manure: Separator solids/ Test Dry	1337.00	dry-weight	20.00	5,000.00	500.00	100.00	0.00	5.00

Date	Material Type/ Description	Quantity (gals)	N (mg/L)	P (mg/L)	K (mg/L)	Salt (mg/L)	TDS (mg/L)
5/9/2020	Process wastewater/ Test Wastewater	69.00	0.00	0.00	0.00	0.00	0.00

Date	Material Type/ Description	Quantity	Reporting basis	Moisture (%)	N (%)	P (%)	K (%)	Salt (%)
5/9/2020	Commercial fertilizer/ Other: Solid commercial fertilizer/ UN32	41.61 tons	dry-weight	0.00	32.00	0.00	0.00	0.00

Material Type	N (lbs)	P (lbs)	K (lbs)	Salt (lbs)
Commercial fertilizer / Other	26,603.77	0.00	0.00	0.00
Dry Manure	10,696.00	1,069.60	213.92	106,960.00
Process wastewater	0.00	0.00	0.00	0.00
Total Import for all materials	37,299.77	1,069.60	213.92	106,960.00

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 (%)
3/5/2020	Dry manure: Corral solids	1,898.00 tons	dry-weight	56.00		19,400.00	5,280.00	21,800.00		0.00



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5/8/2020	Dry manure: Corral solids	1,839.00 tons	dry-weight	35.60		24,000.00	10,000.00	48,000.00		0.00
10/15/2020	Dry manure: Corral solids	1,874.00 tons	dry-weight	42.10		12,000.00	3,300.00	25,000.00		0.00

Date	Material type	Quantity	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Ammonia-N (mg/L)	Nitrate-N (mg/L)	P (mg/L)	K (mg/L)	EC (µmhos/cm)	TDS (mg/L)
1/25/2020	Process wastewater	420,000.00 gals	484.00	0	0	0	71.90	997.00	8,000.00	8800
2/12/2020	Process wastewater	420,000.00 gals	484.00	0	0	0	71.90	997.00	8,000.00	8800
3/3/2020	Process wastewater	540,000.00 gals	490.00	0	0	0	33.40	714.00	6,000.00	5020
3/4/2020	Process wastewater	540,000.00 gals	490.00	0	0	0	33.40	714.00	6,000.00	5020
4/12/2020	Process wastewater	360,000.00 gals	490.00	0	0	0	33.40	714.00	6,000.00	5020
6/29/2020	Process wastewater	240,000.00 gals	437.00	0	0	0	9.99	211.00	8,310.00	9080
7/15/2020	Process wastewater	360,000.00 gals	437.00	0	0	0	9.99	211.00	8,310.00	9080
7/16/2020	Process wastewater	300,000.00 gals	437.00	0	0	0	9.99	211.00	8,310.00	9080
7/30/2020	Process wastewater	360,000.00 gals	437.00	0	0	0	9.99	211.00	8,310.00	9080
7/31/2020	Process wastewater	360,000.00 gals	437.00	0	0	0	9.99	211.00	8,310.00	9080

Material Type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry Manure	115,290.93	39,666.49	204,357.87	0.00
Process wastewater	15,188.73	1,040.42	18,421.25	244,762.19
Total exports for all materials	130,479.66	40,706.91	222,779.12	244,762.19



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Field Name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel Number
Field 1	37	22	2	process wastewater	0000000000000042 0000000000000013
Field 2	18	17	2	process wastewater	0000000000000042
Field 3	20	7	2	process wastewater	
Field 4	39	38	2	process wastewater	
Field 5	39	3	2	process wastewater	
Field 6	20	9	2	process wastewater	
Field 7	36	36	2	process wastewater	
Field 8	36	36	2	process wastewater	
Field 9	29	27	2	process wastewater	
Field 14	20	18	1	none	
Field 17	309	290	2	manure	
Totals for areas that were used for applications	583	485	20		
Totals for areas that were not used for applications	20	18	1		
Land application area totals	603	503	21		



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B. CROPS AND HARVESTS:**Field 1**

Field name: Field 1

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 22 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/20/2020	391.00 tons	As Is		72.20%	5,000.00	1,390.00	13,600.00		12.50%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	17.77	177.73	49.41	483.42	1,235.20

5/7/2020 Corn silage

Crop: Corn silage Acres planted: 22 Plant date: 5/7/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	569.00 tons	As Is		65.00%	6,640.00	950.00	9,100.00		6.71%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.86	343.47	49.14	470.72	1,214.82

Field 2

Field name: Field 2

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 17 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/20/2020	275.00 tons	As Is		66.80%	5,970.00	930.00	9,300.00		8.28%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
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Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	16.18	193.15	30.09	300.88	889.37

5/7/2020 Corn silage

Crop: Corn silage Acres planted: 17 Plant date: 5/7/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	440.00 tons	As Is		71.00%	5,450.00	1,040.00	12,200.00		9.52%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.88	282.12	53.84	631.53	1,429.12

Field 3

Field name: Field 3

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 7 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/21/2020	120.00 tons	As Is		60.00%	6,720.00	1,680.00	18,800.00		11.80%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	17.14	230.40	57.60	644.57	1,618.29

5/7/2020 Corn silage

Crop: Corn silage Acres planted: 7 Plant date: 5/7/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	185.00 tons	As Is		69.20%	4,040.00	1,050.00	10,500.00		7.68%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
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Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.43	213.54	55.50	555.00	1,250.30

Field 4

Field name: Field 4

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 38 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/21/2020	625.00 tons	As Is		72.00%	5,540.00	1,620.00	17,600.00		13.90%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	16.45	182.24	53.29	578.95	1,280.26

5/7/2020 Corn silage

Crop: Corn silage Acres planted: 38 Plant date: 5/7/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	990.00 tons	As Is		70.80%	4,150.00	1,000.00	9,700.00		6.59%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.05	216.24	52.11	505.42	1,002.65

Field 5

Field name: Field 5

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 3 Plant date: 11/1/2019



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Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/21/2020	50.00 tons	As Is		72.80%	5,000.00	1,600.00	15,500.00		13.90%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	16.67	166.67	53.33	516.67	1,260.27

5/7/2020 Corn silage

Crop: Corn silage Acres planted: 3 Plant date: 5/7/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	80.00 tons	As Is		63.20%	3,680.00	630.00	6,620.00		4.31%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.67	196.27	33.60	353.07	845.91

Field 6

Field name: Field 6

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 9 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/20/2020	145.00 tons	As Is		72.80%	5,000.00	1,600.00	15,500.00		13.90%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	16.11	161.11	51.56	499.44	1,218.26

5/7/2020 Corn silage

Crop: Corn silage Acres planted: 9 Plant date: 5/7/2020



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Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	250.00 tons	As Is		60.60%	3,850.00	1,140.00	11,400.00		6.39%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.78	213.89	63.33	633.33	1,398.70

Field 7

Field name: Field 7

11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 36 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/21/2020	560.00 tons	As Is		74.00%	6,350.00	630.00	7,540.00		9.82%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	15.56	197.56	19.60	234.58	794.33

5/8/2020 Corn silage

Crop: Corn silage Acres planted: 36 Plant date: 5/8/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	950.00 tons	As Is		72.00%	4,980.00	920.00	10,600.00		7.58%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.39	262.83	48.56	559.44	1,120.16

Field 8

Field name: Field 8



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11/1/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 36 Plant date: 11/1/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
4/21/2020	573.00 tons	As Is		74.00%	6,350.00	630.00	7,540.00		9.82%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	15.92	202.14	20.06	240.02	812.77

5/9/2020 Corn silage

Crop: Corn silage Acres planted: 36 Plant date: 5/9/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
8/29/2020	965.00 tons	As Is		64.60%	5,880.00	1,100.00	9,560.00		5.39%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.81	315.23	58.97	512.52	1,022.93

Field 9

Field name: Field 9

12/17/2019 Oats silage-soft dough

Crop: Oats silage-soft dough Acres planted: 27 Plant date: 12/17/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
5/3/2020	302.00 tons	As Is		70.00%	8,040.00	1,080.00	8,400.00		9.08%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00
Total actual harvest content	11.19	179.86	24.16	187.91	609.37

6/2/2020 Corn silage



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Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
9/14/2020	741.00 tons	As Is		60.60%	3,850.00	1,140.00	11,400.00		6.39%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	27.44	211.32	62.57	625.73	1,381.92

Field 14Field name: Field 14**1/1/2020 Almond in shell**Crop: Almond in shell Acres planted: 18 Plant date: 1/1/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/1/2020	18.00 tons	Book Value		10.00%	65,000.00	10,000.00	50,000.00		0.00%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	0.00	0.00	0.00	0.00	0.00
Total actual harvest content	1.00	130.00	20.00	100.00	0.00

Field 17Field name: Field 17**11/11/2019 Oats silage-soft dough**Crop: Oats silage-soft dough Acres planted: 290 Plant date: 11/11/2019

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
5/5/2020	4,752.00 tons	As Is		62.00%	9,480.00	1,100.00	9,880.00		8.72%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	16.00	160.00	25.60	132.80	0.00



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Total actual harvest content	16.39	310.68	36.05	323.79	1,085.95
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6/1/2020 Corn silageCrop: Corn silage Acres planted: 290 Plant date: 6/1/2020

Harvest date	Yield	Reporting Basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
9/15/2020	6,541.00 tons	As Is		63.20%	3,680.00	630.00	6,620.00		4.31%

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	22.56	166.01	28.42	298.63	715.49



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Nutrient Budget

A. LAND APPLICATIONS

Field 1 - 11/1/2019: Oats silage-soft dough

Field name: Field 1

Crop: Oats silage-soft dough

Plant date: 11/1/2019

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/10/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation

Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Field Sample	Existing soil nutrient content	600.00	600.00	600.00	360.00	
Plowdown Ex1	Plowdown credit	250.00	250.00	250.00	250.00	
Canal	Freshwater	0.00	0.00	0.00	322.61	2,430,000.00 gals
Application event totals		850.00	850.00	850.00	932.61	

11/20/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	66.09	9.82	136.14	1,201.68	360,000.00 gals
Well 6	Freshwater	14.31	0.00	0.00	0.00	756,000.00 gals
Application event totals		80.40	9.82	136.14	1,201.68	

1/10/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	78.06	5.32	113.75	799.75	420,000.00 gals
Well 6	Freshwater	16.69	0.00	0.00	0.00	882,000.00 gals
Application event totals		94.76	5.32	113.75	799.75	

2/10/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	66.91	4.56	97.50	685.50	360,000.00 gals
Well 6	Freshwater	14.31	0.00	0.00	0.00	756,000.00 gals
Application event totals		81.22	4.56	97.50	685.50	



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Reporting period 1/1/2020 to 12/31/2020.

Field 1 - 5/7/2020: Corn silage

Field name: Field 1

Crop: Corn silage

Plant date: 5/7/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
5/7/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation

Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	

6/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	365.63	2,754,000.00 gals
Application event totals		0.00	0.00	0.00	365.63	

6/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	258.09	1,944,000.00 gals
Application event totals		0.00	0.00	0.00	258.09	

6/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	94.48	2.16	45.62	1,963.20	570,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	408.64	3,078,000.00 gals
Application event totals		94.48	2.16	45.62	2,371.84	

7/3/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	494.67	3,726,000.00 gals
Application event totals		0.00	0.00	0.00	494.67	

7/11/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
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Canal	Freshwater	0.00	0.00	0.00	494.67	3,726,000.00 gals
Application event totals		0.00	0.00	0.00	494.67	
7/20/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	149.19	3.41	72.03	3,099.79	900,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	645.22	4,860,000.00 gals
Application event totals		149.19	3.41	72.03	3,745.01	
7/27/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	301.10	2,268,000.00 gals
Application event totals		0.00	0.00	0.00	301.10	
8/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	623.71	4,698,000.00 gals
Application event totals		0.00	0.00	0.00	623.71	
8/12/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	494.67	3,726,000.00 gals
Application event totals		0.00	0.00	0.00	494.67	
8/18/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	193.57	1,458,000.00 gals
Application event totals		0.00	0.00	0.00	193.57	

Field 2 - 5/7/2020: Corn silage

Field name:	Field 2		
Crop:	Corn silage	Plant date:	5/7/2020



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Reporting period 1/1/2020 to 12/31/2020.

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
4/26/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	890.66	5,184,000.00 gals
Application event totals		0.00	0.00	0.00	890.66	
5/7/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	
6/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	257.42	5.88	124.29	5,348.65	1,200,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	1,113.32	6,480,000.00 gals
Application event totals		257.42	5.88	124.29	6,461.97	
6/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	500.99	2,916,000.00 gals
Application event totals		0.00	0.00	0.00	500.99	
6/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	389.66	2,268,000.00 gals
Application event totals		0.00	0.00	0.00	389.66	
7/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	389.66	2,268,000.00 gals
Application event totals		0.00	0.00	0.00	389.66	
7/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	278.33	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	278.33	
7/25/2020	Surface (irrigation)	No Precipitation		No Precipitation		No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	417.49	2,430,000.00 gals
Application event totals		0.00	0.00	0.00	417.49	
8/6/2020	Surface (irrigation)	No Precipitation		No Precipitation		No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	96.53	2.21	46.61	2,005.75	450,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	417.49	2,430,000.00 gals
Application event totals		96.53	2.21	46.61	2,423.24	
8/14/2020	Surface (irrigation)	No Precipitation		No Precipitation		No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	389.66	2,268,000.00 gals
Application event totals		0.00	0.00	0.00	389.66	
8/18/2020	Surface (irrigation)	No Precipitation		No Precipitation		No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	167.00	972,000.00 gals
Application event totals		0.00	0.00	0.00	167.00	

Field 2 - 11/1/2019: Oats silage-soft dough

Field name:	Field 2										
Crop:	Oats silage-soft dough							Plant date:	11/1/2019		
Application date	Application method			Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following			
10/9/2019	Surface (irrigation)			No Precipitation		No Precipitation		No Precipitation			
Source description		Material Type		N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount			



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Canal	Freshwater	0.00	0.00	0.00	742.03	4,318,920.00 gals
Application event totals		0.00	0.00	0.00	742.03	
1/12/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	144.32	9.84	210.29	1,478.54	600,000.00 gals
Well 5	Freshwater	24.28	0.00	0.00	5.01	1,020,000.00 gals
Application event totals		168.60	9.84	210.29	1,483.54	
2/22/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	86.59	5.90	126.18	887.12	360,000.00 gals
Well 5	Freshwater	14.57	0.00	0.00	3.00	612,000.00 gals
Application event totals		101.16	5.90	126.18	890.13	

Field 3 - 11/1/2019: Oats silage-soft dough						
Field name:	Field 3					
Crop:	Oats silage-soft dough				Plant date:	11/1/2019
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/9/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	765.17	1,833,840.00 gals
Application event totals		0.00	0.00	0.00	765.17	
2/26/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	87.62	5.97	127.68	897.68	150,000.00 gals
Well 5	Freshwater	14.35	0.00	0.00	174.80	255,000.00 gals
Application event totals		101.97	5.97	127.68	1,072.48	
3/19/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	



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Reporting period 1/1/2020 to 12/31/2020.

Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	70.10	4.78	102.14	718.15	120,000.00 gals
Well 5	Freshwater	11.48	0.00	0.00	139.84	204,000.00 gals
Application event totals		81.58	4.78	102.14	857.99	

Field 3 - 5/7/2020: Corn silage

Field name: Field 3

Crop: Corn silage

Plant date: 5/7/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following																					
4/27/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation																					
<table><tr><th>Source description</th><th>Material Type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Canal</td><td>Freshwater</td><td>0.00</td><td>0.00</td><td>0.00</td><td>675.95</td><td>1,620,000.00 gals</td></tr><tr><td>Application event totals</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td><td>675.95</td><td></td></tr></table>					Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Canal	Freshwater	0.00	0.00	0.00	675.95	1,620,000.00 gals	Application event totals		0.00	0.00	0.00	675.95	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																			
Canal	Freshwater	0.00	0.00	0.00	675.95	1,620,000.00 gals																			
Application event totals		0.00	0.00	0.00	675.95																				
5/7/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation																					
<table><tr><th>Source description</th><th>Material Type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Commercial</td><td>Commercial fertilizer/ Other: Solid commercial fertilizer</td><td>16.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Application event totals</td><td></td><td>16.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td></td></tr></table>					Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00		Application event totals		16.00	0.00	0.00	0.00	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																			
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00																				
Application event totals		16.00	0.00	0.00	0.00																				
6/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation																					
<table><tr><th>Source description</th><th>Material Type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Canal</td><td>Freshwater</td><td>0.00</td><td>0.00</td><td>0.00</td><td>743.54</td><td>1,782,000.00 gals</td></tr><tr><td>Application event totals</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td><td>743.54</td><td></td></tr></table>					Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Canal	Freshwater	0.00	0.00	0.00	743.54	1,782,000.00 gals	Application event totals		0.00	0.00	0.00	743.54	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																			
Canal	Freshwater	0.00	0.00	0.00	743.54	1,782,000.00 gals																			
Application event totals		0.00	0.00	0.00	743.54																				
6/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation																					
<table><tr><th>Source description</th><th>Material Type</th><th>N (lbs/acre)</th><th>P (lbs/acre)</th><th>K (lbs/acre)</th><th>Salt (lbs/acre)</th><th>Amount</th></tr><tr><td>Canal</td><td>Freshwater</td><td>0.00</td><td>0.00</td><td>0.00</td><td>405.57</td><td>972,000.00 gals</td></tr><tr><td>Application event totals</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td><td>405.57</td><td></td></tr></table>					Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	Canal	Freshwater	0.00	0.00	0.00	405.57	972,000.00 gals	Application event totals		0.00	0.00	0.00	405.57	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount																			
Canal	Freshwater	0.00	0.00	0.00	405.57	972,000.00 gals																			
Application event totals		0.00	0.00	0.00	405.57																				
6/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation																					



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	125.03	2.86	60.37	2,597.92	240,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	540.76	1,296,000.00 gals
Application event totals		125.03	2.86	60.37	3,138.67	
7/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	405.57	972,000.00 gals
Application event totals		0.00	0.00	0.00	405.57	
7/26/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	540.76	1,296,000.00 gals
Application event totals		0.00	0.00	0.00	540.76	
8/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	125.03	2.86	60.37	2,597.92	240,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	540.76	1,296,000.00 gals
Application event totals		125.03	2.86	60.37	3,138.67	
8/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	540.76	1,296,000.00 gals
Application event totals		0.00	0.00	0.00	540.76	
8/18/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	270.38	648,000.00 gals
Application event totals		0.00	0.00	0.00	270.38	

Field 4 - 5/7/2020: Corn silage



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Reporting period 1/1/2020 to 12/31/2020.

Field name:	Field 4					
Crop:	Corn silage				Plant date:	5/7/2020

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
4/27/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation

Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	734.64	9,558,000.00 gals
Application event totals		0.00	0.00	0.00	734.64	

5/7/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	

6/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	560.32	7,290,000.00 gals
Application event totals		0.00	0.00	0.00	560.32	

6/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	423.35	5,508,000.00 gals
Application event totals		0.00	0.00	0.00	423.35	

6/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	92.13	2.11	44.48	1,914.26	960,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	398.45	5,184,000.00 gals
Application event totals		92.13	2.11	44.48	2,312.71	

7/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation
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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	398.45	5,184,000.00 gals



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Application event totals		0.00	0.00	0.00	398.45	
7/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	373.55	4,860,000.00 gals
Application event totals		0.00	0.00	0.00	373.55	
7/26/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	86.37	1.97	41.70	1,794.61	900,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	373.55	4,860,000.00 gals
Application event totals		86.37	1.97	41.70	2,168.16	
8/6/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	373.55	4,860,000.00 gals
Application event totals		0.00	0.00	0.00	373.55	
8/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	86.37	1.97	41.70	1,794.61	900,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	373.55	4,860,000.00 gals
Application event totals		86.37	1.97	41.70	2,168.16	

Field 4 - 11/1/2019: Oats silage-soft dough

Field name:	Field 4					
Crop:	Oats silage-soft dough				Plant date:	11/1/2019
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/10/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	511.55	6,655,500.00 gals



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Application event totals		0.00	0.00	0.00	511.55	
12/2/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	63.77	9.47	131.37	1,159.52	600,000.00 gals
Well 7	Freshwater	4.30	0.00	0.00	1.19	540,000.00 gals
Application event totals		68.08	9.47	131.37	1,160.70	
1/22/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	109.76	7.48	159.93	1,124.47	1,020,000.00 gals
Well 7	Freshwater	7.32	0.00	0.00	2.02	918,000.00 gals
Application event totals		117.08	7.48	159.93	1,126.48	
2/21/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	54.88	3.74	79.97	562.23	510,000.00 gals
Well 7	Freshwater	3.66	0.00	0.00	1.01	459,000.00 gals
Application event totals		58.54	3.74	79.97	563.24	

Field 6 - 11/1/2019: Oats silage-soft dough

Field name:	Field 6					
Crop:	Oats silage-soft dough				Plant date:	11/1/2019
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/10/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	810,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
11/30/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount



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Wastewater	Process wastewater	53.85	8.00	110.93	979.15	120,000.00 gals
Well 6	Freshwater	11.66	0.00	0.00	0.00	252,000.00 gals
Application event totals		65.51	8.00	110.93	979.15	
2/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	54.52	3.72	79.44	558.56	120,000.00 gals
Well 6	Freshwater	11.66	0.00	0.00	0.00	252,000.00 gals
Application event totals		66.18	3.72	79.44	558.56	

Field 6 - 5/7/2020: Corn silage

Field name:	Field 6					
Crop:	Corn silage				Plant date:	5/7/2020
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
4/26/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	420.59	1,296,000.00 gals
Application event totals		0.00	0.00	0.00	420.59	
5/7/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	
6/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	315.44	972,000.00 gals
Application event totals		0.00	0.00	0.00	315.44	
6/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	210.29	648,000.00 gals
Application event totals		0.00	0.00	0.00	210.29	
6/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	315.44	972,000.00 gals
Application event totals		0.00	0.00	0.00	315.44	
7/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	66.86	1.53	32.28	1,389.16	165,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	289.15	891,000.00 gals
Application event totals		66.86	1.53	32.28	1,678.32	
7/13/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	121.56	2.78	58.69	2,525.75	300,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	525.74	1,620,000.00 gals
Application event totals		121.56	2.78	58.69	3,051.49	
7/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	97.25	2.22	46.95	2,020.60	240,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	420.59	1,296,000.00 gals
Application event totals		97.25	2.22	46.95	2,441.19	
8/1/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	525.74	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	525.74	
8/11/2020	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



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Canal	Freshwater	0.00	0.00	0.00	525.74	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	525.74	
8/18/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	315.44	972,000.00 gals
Application event totals		0.00	0.00	0.00	315.44	

Field 7 - 11/1/2019: Oats silage-soft dough

Field name:	Field 7					
Crop:	Oats silage-soft dough				Plant date:	11/1/2019
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/11/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	223.44	2,754,000.00 gals
Application event totals		0.00	0.00	0.00	223.44	
12/10/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	53.85	8.00	110.93	979.15	480,000.00 gals
Well 5	Freshwater	8.93	0.00	0.00	108.76	816,000.00 gals
Application event totals		62.78	8.00	110.93	1,087.91	
1/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	95.41	6.50	139.03	977.48	840,000.00 gals
Well 5	Freshwater	15.62	0.00	0.00	190.34	1,428,000.00 gals
Application event totals		111.04	6.50	139.03	1,167.81	
2/8/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount



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Wastewater	Process wastewater	81.78	5.57	119.17	837.84	720,000.00 gals
Well 5	Freshwater	11.16	0.00	0.00	135.95	1,020,000.00 gals
Application event totals		92.94	5.57	119.17	973.79	

Field 7 - 5/8/2020: Corn silage

Field name:	Field 7					
Crop:	Corn silage				Plant date:	5/8/2020
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
4/29/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	368.01	4,536,000.00 gals
Application event totals		0.00	0.00	0.00	368.01	
5/8/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	
6/3/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	604.60	7,452,000.00 gals
Application event totals		0.00	0.00	0.00	604.60	
6/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	315.44	3,888,000.00 gals
Application event totals		0.00	0.00	0.00	315.44	
6/23/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount



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Wastewater	Process wastewater	60.78	1.39	29.35	1,262.88	600,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	262.87	3,240,000.00 gals
Application event totals		60.78	1.39	29.35	1,525.74	
7/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	328.58	4,050,000.00 gals
Application event totals		0.00	0.00	0.00	328.58	
7/15/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	79.01	1.81	38.15	1,641.74	780,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	341.73	4,212,000.00 gals
Application event totals		79.01	1.81	38.15	1,983.47	
7/25/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	302.30	3,726,000.00 gals
Application event totals		0.00	0.00	0.00	302.30	
8/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	91.17	2.08	44.02	1,894.32	900,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	394.30	4,860,000.00 gals
Application event totals		91.17	2.08	44.02	2,288.62	
8/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	341.73	4,212,000.00 gals
Application event totals		0.00	0.00	0.00	341.73	
8/18/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	210.29	2,592,000.00 gals



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Application event totals		0.00	0.00	0.00	210.29	
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Field 8 - 5/9/2020: Corn silage						
Field name:	Field 8					
Crop:	Corn silage				Plant date:	5/9/2020
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
4/29/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	552.02	6,804,000.00 gals
Application event totals		0.00	0.00	0.00	552.02	
5/9/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	
6/6/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	525.74	6,480,000.00 gals
Application event totals		0.00	0.00	0.00	525.74	
6/16/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	79.01	1.81	38.15	1,641.74	780,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	341.73	4,212,000.00 gals
Application event totals		79.01	1.81	38.15	1,983.47	
6/25/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	446.87	5,508,000.00 gals



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Application event totals		0.00	0.00	0.00	446.87	
7/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	394.30	4,860,000.00 gals
Application event totals		0.00	0.00	0.00	394.30	
7/16/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	121.56	2.78	58.69	2,525.75	1,200,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	525.74	6,480,000.00 gals
Application event totals		121.56	2.78	58.69	3,051.49	
7/27/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	420.59	5,184,000.00 gals
Application event totals		0.00	0.00	0.00	420.59	
8/7/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	100.29	2.29	48.42	2,083.75	990,000.00 gals
Canal	Freshwater	0.00	0.00	0.00	433.73	5,346,000.00 gals
Application event totals		100.29	2.29	48.42	2,517.48	
8/17/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	420.59	5,184,000.00 gals
Application event totals		0.00	0.00	0.00	420.59	

Field 8 - 11/1/2019: Oats silage-soft dough

Field name:	Field 8		
Crop:	Oats silage-soft dough	Plant date:	11/1/2019



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Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/11/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	525.74	6,480,000.00 gals
Application event totals		0.00	0.00	0.00	525.74	
1/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	51.11	3.48	74.48	523.65	450,000.00 gals
Well 7	Freshwater	3.41	0.00	0.00	0.94	405,000.00 gals
Application event totals		54.52	3.48	74.48	524.59	

Field 9 - 12/17/2019: Oats silage-soft dough							
Field name:		Field 9					
Crop:		Oats silage-soft dough				Plant date: 12/17/2019	
Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following
11/15/2019	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater		Process wastewater	125.66	18.67	258.84	2,284.68	840,000.00 gals
Well 5		Freshwater	22.06	0.00	0.00	268.71	1,512,000.00 gals
Application event totals			147.71	18.67	258.84	2,553.38	
2/20/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater		Process wastewater	77.24	5.26	112.55	791.29	510,000.00 gals
Well 5		Freshwater	12.65	0.00	0.00	154.08	867,000.00 gals
Application event totals			89.89	5.26	112.55	945.37	

Field 9 - 6/2/2020: Corn silage						
Field name:	Field 9					



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Crop: Corn silage

Plant date: 6/2/2020

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
5/25/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	227.82	2,106,000.00 gals
Application event totals			0.00	0.00	0.00	227.82	
6/2/2020	Sidedress		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial		Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals			16.00	0.00	0.00	0.00	
6/28/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	543.26	5,022,000.00 gals
Application event totals			0.00	0.00	0.00	543.26	
7/6/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater		Process wastewater	93.20	2.13	45.00	1,936.41	690,000.00 gals
Canal		Freshwater	0.00	0.00	0.00	403.06	3,726,000.00 gals
Application event totals			93.20	2.13	45.00	2,339.47	
7/17/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	350.49	3,240,000.00 gals
Application event totals			0.00	0.00	0.00	350.49	
7/28/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	403.06	3,726,000.00 gals
Application event totals			0.00	0.00	0.00	403.06	



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8/8/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	473.16	4,374,000.00 gals
Application event totals		0.00	0.00	0.00	473.16	
8/18/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	455.64	4,212,000.00 gals
Application event totals		0.00	0.00	0.00	455.64	
8/30/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	420.59	3,888,000.00 gals
Application event totals		0.00	0.00	0.00	420.59	

Field 5 - 5/7/2020: Corn silage

Field name:	Field 5					
Crop:	Corn silage				Plant date:	5/7/2020
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
4/28/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	788.60	810,000.00 gals
Application event totals		0.00	0.00	0.00	788.60	
5/7/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	16.00	0.00	0.00	0.00	
Application event totals		16.00	0.00	0.00	0.00	
6/4/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	315.44	324,000.00 gals
Application event totals		0.00	0.00	0.00	315.44	
6/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	630.88	648,000.00 gals
Application event totals		0.00	0.00	0.00	630.88	
6/23/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	315.44	324,000.00 gals
Application event totals		0.00	0.00	0.00	315.44	
7/3/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	630.88	648,000.00 gals
Application event totals		0.00	0.00	0.00	630.88	
7/11/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	630.88	648,000.00 gals
Application event totals		0.00	0.00	0.00	630.88	
7/20/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	788.60	810,000.00 gals
Application event totals		0.00	0.00	0.00	788.60	
7/27/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	145.87	3.33	70.43	3,030.90	120,000.00 gals
Well 5	Freshwater	28.36	0.00	0.00	345.48	216,000.00 gals
Application event totals		174.23	3.33	70.43	3,376.39	



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8/1/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	630.88	648,000.00 gals
Application event totals		0.00	0.00	0.00	630.88	
8/11/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	630.88	648,000.00 gals
Application event totals		0.00	0.00	0.00	630.88	
8/19/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	630.88	648,000.00 gals
Application event totals		0.00	0.00	0.00	630.88	

Field 5 - 11/1/2019: Oats silage-soft dough						
Field name:	Field 5					
Crop:	Oats silage-soft dough				Plant date:	11/1/2019
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/9/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation		
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	394.30	405,000.00 gals
Application event totals		0.00	0.00	0.00	394.30	
12/13/2019	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	121.17	18.00	249.60	2,203.08	90,000.00 gals
Well 5	Freshwater	20.09	0.00	0.00	244.72	153,000.00 gals
Application event totals		141.26	18.00	249.60	2,447.80	
3/2/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Wastewater	Process wastewater	81.78	5.57	119.17	837.84	60,000.00 gals
Well 5	Freshwater	13.39	0.00	0.00	163.14	102,000.00 gals
Application event totals		95.17	5.57	119.17	1,000.98	

Field 14 - 1/1/2020: Almond in shell

Field name: Field 14

Crop: Almond in shell

Plant date: 1/1/2020

Application date	Application method	Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
4/20/2020	Sidedress	No Precipitation		No Precipitation		No Precipitation	
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial		Commercial fertilizer/ Other: Solid commercial fertilizer	48.00	0.00	0.00	0.00	
Application event totals			48.00	0.00	0.00	0.00	
4/20/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals			0.00	0.00	0.00	262.87	
5/7/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals			0.00	0.00	0.00	262.87	
5/20/2020	Sidedress		No Precipitation		No Precipitation		No Precipitation
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial		Commercial fertilizer/ Other: Solid commercial fertilizer	48.00	0.00	0.00	0.00	
Application event totals			48.00	0.00	0.00	0.00	
5/20/2020	Surface (irrigation)		No Precipitation		No Precipitation		No Precipitation



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	297.92	1,836,000.00 gals
Application event totals		0.00	0.00	0.00	297.92	
6/3/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
6/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
6/24/2020	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
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	48.00	0.00	0.00	0.00	
Application event totals		48.00	0.00	0.00	0.00	
6/24/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	420.59	2,592,000.00 gals
Application event totals		0.00	0.00	0.00	420.59	
7/5/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
7/17/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	



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7/28/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
8/10/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
8/20/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	262.87	1,620,000.00 gals
Application event totals		0.00	0.00	0.00	262.87	
8/30/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	210.29	1,296,000.00 gals
Application event totals		0.00	0.00	0.00	210.29	

Field 17 - 11/11/2019: Oats silage-soft dough

Field name:	Field 17					
Crop:	Oats silage-soft dough				Plant date:	11/11/2019
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
2/18/2020	Surface (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	Freshwater	0.07	0.00	0.00	0.07	228,000.00 gals
Well 8	Freshwater	0.26	0.00	0.00	0.10	342,000.00 gals
Application event totals		0.33	0.00	0.00	0.16	
3/2/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation	No Precipitation	No Precipitation



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Commercial	Commercial fertilizer/ Other: Solid commercial fertilizer	56.00	0.00	0.00	0.00	
Application event totals		56.00	0.00	0.00	0.00	
3/5/2020	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 9	Freshwater	0.91	0.00	0.00	0.86	3,000,000.00 gals
Well 8	Freshwater	3.42	0.00	0.00	1.29	4,500,000.00 gals
Application event totals		4.32	0.00	0.00	2.16	
4/14/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	494.37	49,086,000.00 gals
Application event totals		0.00	0.00	0.00	494.37	

Field 17 - 6/1/2020: Corn silage						
Field name:	Field 17					
Crop:	Corn silage				Plant date:	6/1/2020
Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
5/6/2020	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
Solid Manure	Corral solids	194.80	53.02	218.90	0.00	3,309.00 tons
Application event totals		194.80	53.02	218.90	0.00	
5/17/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	680.37	67,554,000.00 gals
Application event totals		0.00	0.00	0.00	680.37	
6/2/2020	Sidedress	No Precipitation	No Precipitation	No Precipitation	No Precipitation	



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Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process wastewater	Process wastewater	0.00	0.00	0.00	0.00	
Application event totals		0.00	0.00	0.00	0.00	
6/27/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	521.29	51,759,000.00 gals
Application event totals		0.00	0.00	0.00	521.29	
7/7/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	367.11	36,450,000.00 gals
Application event totals		0.00	0.00	0.00	367.11	
7/17/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	430.74	42,768,000.00 gals
Application event totals		0.00	0.00	0.00	430.74	
7/28/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	430.74	42,768,000.00 gals
Application event totals		0.00	0.00	0.00	430.74	
8/8/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	352.42	34,992,000.00 gals
Application event totals		0.00	0.00	0.00	352.42	
8/17/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	
Source description	Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Freshwater	0.00	0.00	0.00	352.42	34,992,000.00 gals
Application event totals		0.00	0.00	0.00	352.42	
8/30/2020	Surface (irrigation)	No Precipitation	No Precipitation	No Precipitation	No Precipitation	



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Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	303.47	30,132,000.00 gals
Application event totals			0.00	0.00	0.00	303.47	

9/5/2020	Surface (irrigation)	No Precipitation		No Precipitation		No Precipitation	
Source description		Material Type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Freshwater	0.00	0.00	0.00	117.48	11,664,000.00 gals
Application event totals			0.00	0.00	0.00	117.48	



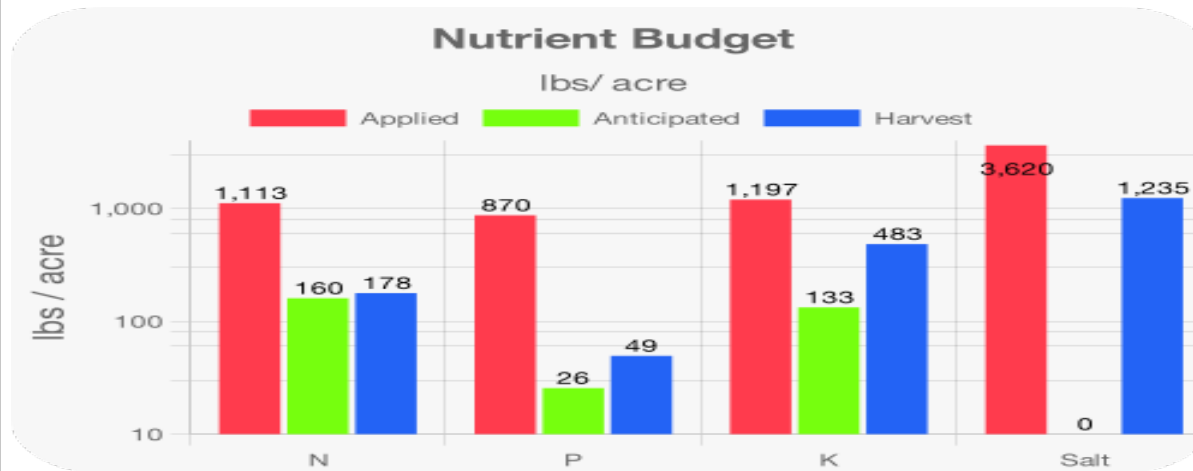
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B. NUTRIENT BUDGET

Field 1 - 11/1/2019: Oats silage-soft dough

Field name: Field 1 Crop: Oats silage-soft dough Plant date: 11/1/2019



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	600.00	600.00	600.00	360.00	4,824,000.00 gallons
Plowdown credit	250.00	250.00	250.00	250.00	177.65 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	8.08 incs/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	211.07	19.70	347.39	2,686.94	1,140,000.00 gallons
Fresh water	45.31	0.00	0.00	322.61	41.98 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	1.91 incs/acre
Total nutrients applied	1,113.38	869.70	1,197.39	3,619.55	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	177.73	49.41	483.42	1,235.20	
Nutrient balance	935.65	820.29	713.98	2,384.35	
Applied to removed ratio	6.26	17.60	2.48	2.93	

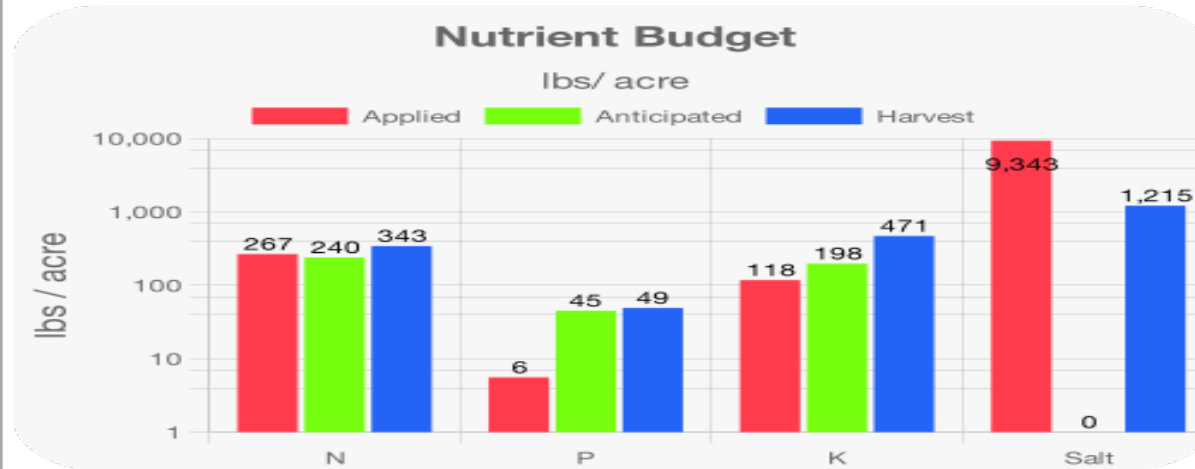


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Reporting period 1/1/2020 to 12/31/2020.

Field 1 - 5/7/2020: Corn silage

Field name: Field 1 Crop: Corn silage Plant date: 5/7/2020



	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	32,238,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,187.22 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	53.96 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	243.67	5.57	117.65	5,062.99	1,470,000.00 gallons
Fresh water	0.00	0.00	0.00	4,279.96	54.14 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.46 inces/acre
Total nutrients applied	266.67	5.57	117.65	9,342.95	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	343.47	49.14	470.72	1,214.82	
Nutrient balance	-76.80	-43.57	-353.07	8,128.14	
Applied to removed ratio	0.78	0.11	0.25	7.69	

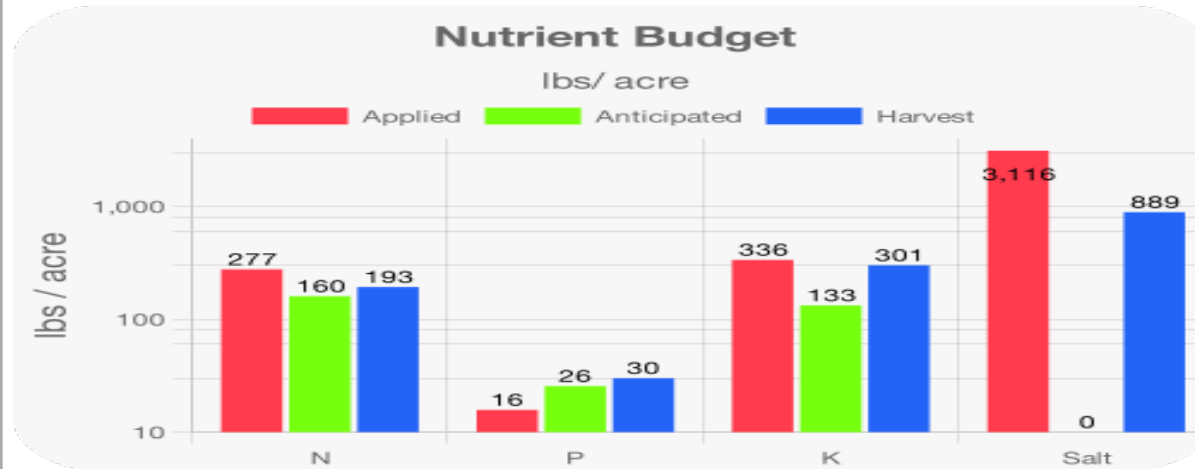


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Field 2 - 11/1/2019: Oats silage-soft dough

Field name: Field 2 Crop: Oats silage-soft dough Plant date: 11/1/2019



	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	5,950,920.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	219.15 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	12.89 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	230.91	15.74	336.47	2,365.66	960,000.00 gallons
Fresh water	38.85	0.00	0.00	750.04	35.35 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.08 inces/acre
Total nutrients applied	276.77	15.74	336.47	3,115.70	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	193.15	30.09	300.88	889.37	
Nutrient balance	83.62	-14.35	35.59	2,226.33	
Applied to removed ratio	1.43	0.52	1.12	3.50	

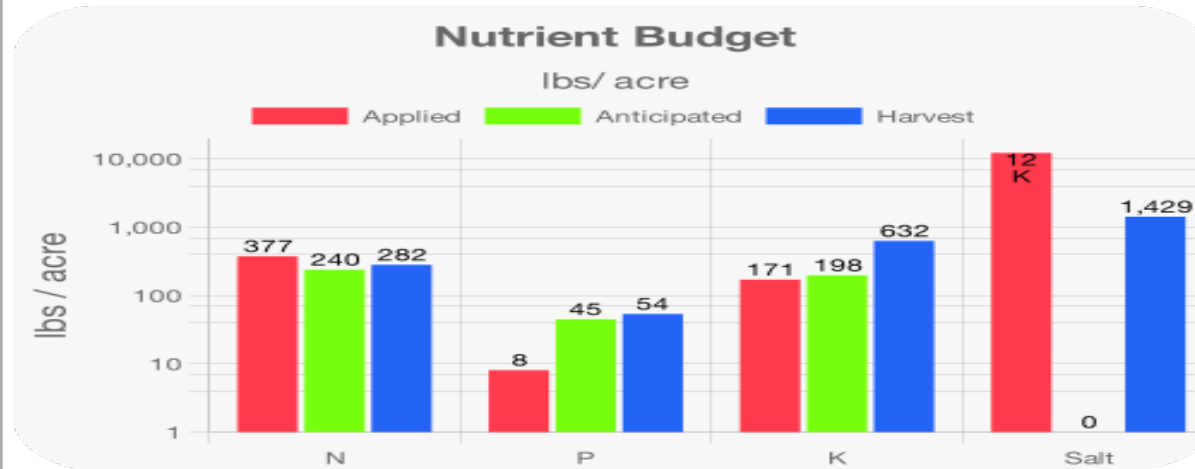


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Reporting period 1/1/2020 to 12/31/2020.

Field 2 - 5/7/2020: Corn silage

Field name: Field 2 Crop: Corn silage Plant date: 5/7/2020



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	28,836,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,061.93 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	62.47 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	353.95	8.09	170.90	7,354.40	1,650,000.00 gallons
Fresh water	0.00	0.00	0.00	4,954.28	60.76 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	3.57 inces/acre
Total nutrients applied	376.95	8.09	170.90	12,308.67	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	282.12	53.84	631.53	1,429.12	
Nutrient balance	94.83	-45.74	-460.63	10,879.55	
Applied to removed ratio	1.34	0.15	0.27	8.61	

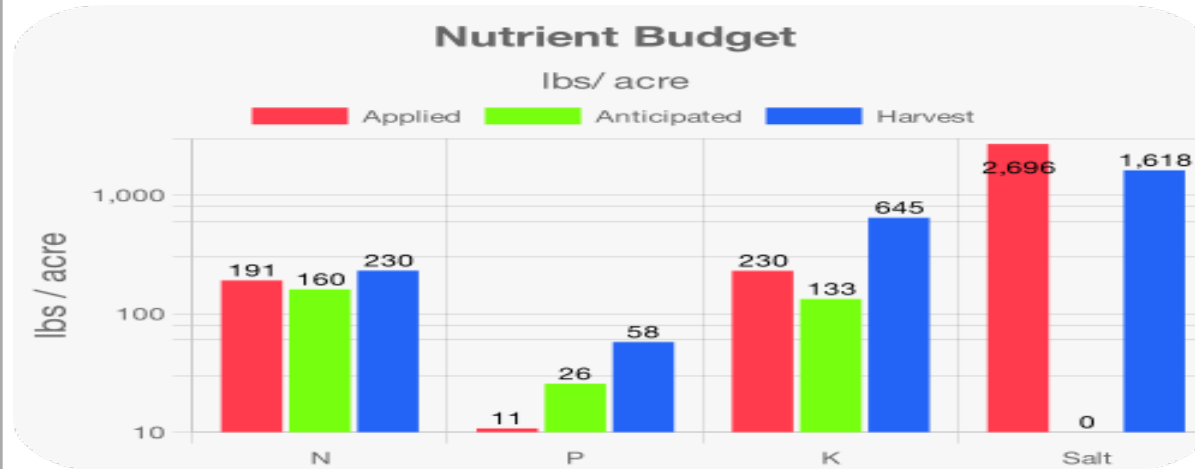


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Reporting period 1/1/2020 to 12/31/2020.

Field 3 - 11/1/2019: Oats silage-soft dough

Field name: Field 3 Crop: Oats silage-soft dough Plant date: 11/1/2019



	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	2,292,840.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	84.44 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	12.06 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	157.72	10.75	229.82	1,615.83	270,000.00 gallons
Fresh water	25.83	0.00	0.00	1,079.81	9.94 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	1.42 inces/acre
Total nutrients applied	190.55	10.75	229.82	2,695.64	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	230.40	57.60	644.57	1,618.29	
Nutrient balance	-39.85	-46.85	-414.75	1,077.35	
Applied to removed ratio	0.83	0.19	0.36	1.67	

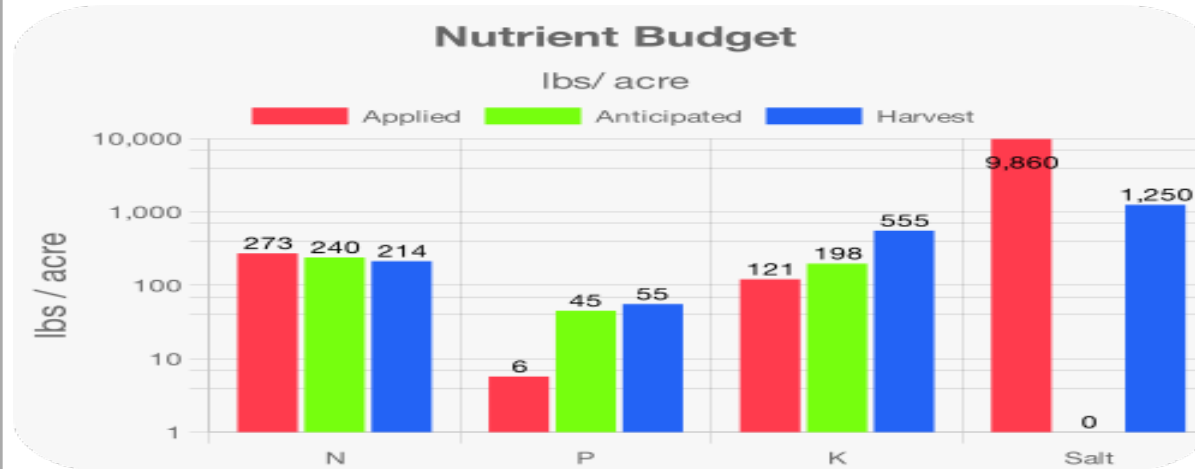


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Reporting period 1/1/2020 to 12/31/2020.

Field 3 - 5/7/2020: Corn silage

Field name: Field 3 Crop: Corn silage Plant date: 5/7/2020



	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	11,178,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	411.65 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	58.81 inces/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	250.06	5.72	120.74	5,195.84	480,000.00 gallons
Fresh water	0.00	0.00	0.00	4,664.02	17.68 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.53 inces/acre
Total nutrients applied	273.06	5.72	120.74	9,859.86	
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	
Actual crop nutrient removal	213.54	55.50	555.00	1,250.30	
Nutrient balance	59.52	-49.78	-434.26	8,609.55	
Applied to removed ratio	1.28	0.10	0.22	7.89	
					Total harvests for the crop
					1 harvest

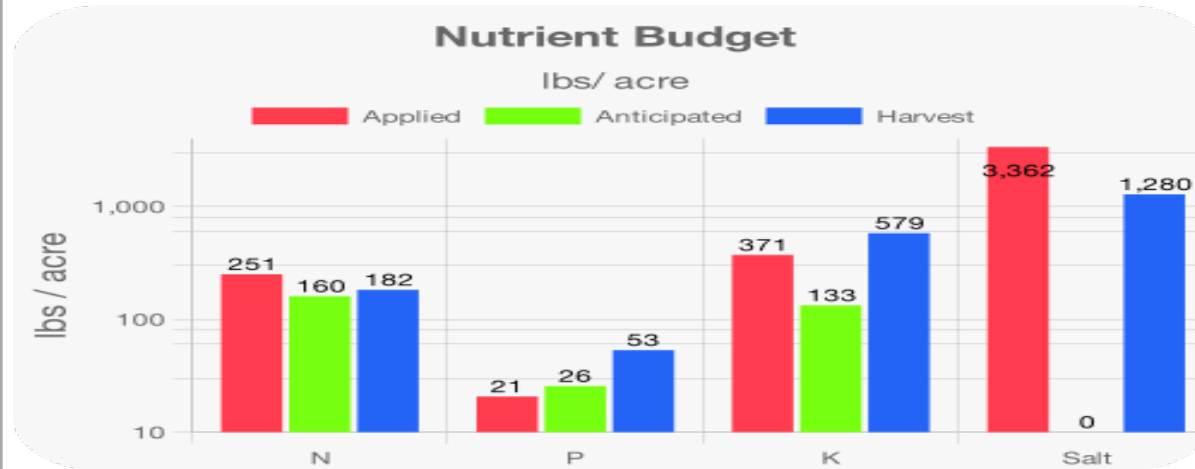


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Field 4 - 11/1/2019: Oats silage-soft dough

Field name: Field 4 Crop: Oats silage-soft dough Plant date: 11/1/2019



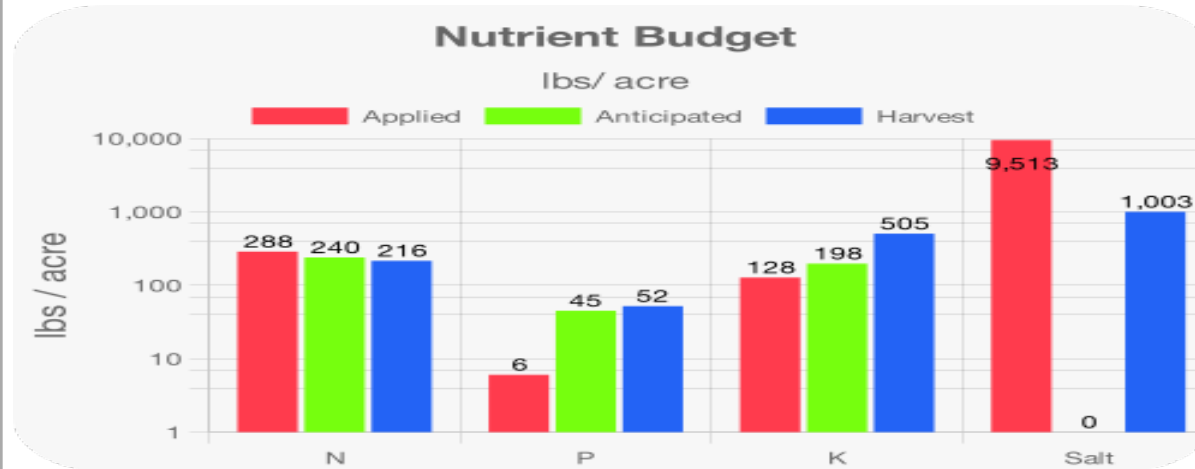
	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	8,572,500.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	315.70 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	8.31 inces/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	228.41	20.70	371.27	2,846.22	2,130,000.00 gallons
Fresh water	15.28	0.00	0.00	515.76	78.44 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.06 inces/acre
Total nutrients applied	250.69	20.70	371.27	3,361.98	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	182.24	53.29	578.95	1,280.26	
Nutrient balance	68.46	-32.59	-207.68	2,081.72	
Applied to removed ratio	1.38	0.39	0.64	2.63	

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Field 4 - 5/7/2020: Corn silage

Field name: Field 4 Crop: Corn silage Plant date: 5/7/2020



	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	52,164,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,921.02 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	50.55 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	264.87	6.06	127.89	5,503.48	2,760,000.00 gallons
Fresh water	0.00	0.00	0.00	4,009.42	101.64 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.67 inces/acre
Total nutrients applied	287.87	6.06	127.89	9,512.91	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	216.24	52.11	505.42	1,002.65	
Nutrient balance	71.63	-46.05	-377.53	8,510.25	
Applied to removed ratio	1.33	0.12	0.25	9.49	

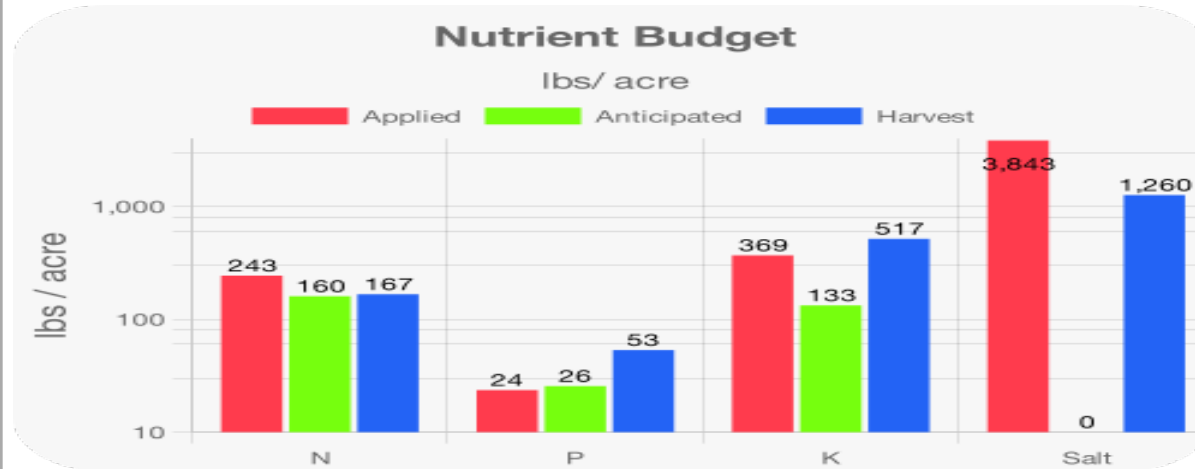


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Reporting period 1/1/2020 to 12/31/2020.

Field 5 - 11/1/2019: Oats silage-soft dough

Field name: Field 5 Crop: Oats silage-soft dough Plant date: 11/1/2019



	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	660,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	24.31 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	8.10 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	202.95	23.57	368.77	3,040.92	150,000.00 gallons
Fresh water	33.48	0.00	0.00	802.16	5.52 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	1.84 inces/acre
Total nutrients applied	243.43	23.57	368.77	3,843.08	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	166.67	53.33	516.67	1,260.27	
Nutrient balance	76.76	-29.76	-147.90	2,582.81	
Applied to removed ratio	1.46	0.44	0.71	3.05	

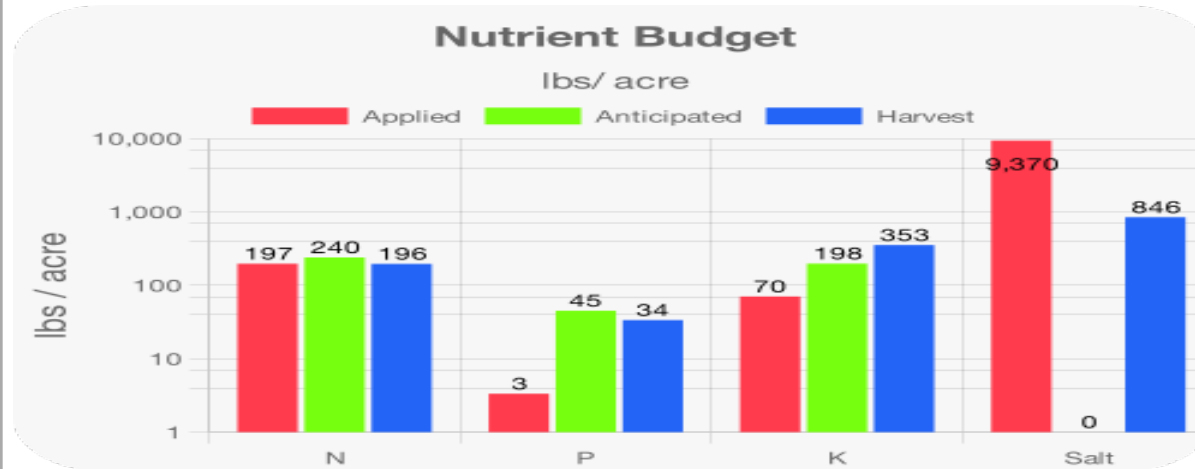


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Reporting period 1/1/2020 to 12/31/2020.

Field 5 - 5/7/2020: Corn silage

Field name: Field 5 Crop: Corn silage Plant date: 5/7/2020



	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	6,372,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	234.66 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	78.22 inces/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	145.87	3.33	70.43	3,030.90	120,000.00 gallons
Fresh water	28.36	0.00	0.00	6,338.86	4.42 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	1.47 inces/acre
Total nutrients applied	197.23	3.33	70.43	9,369.77	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	196.27	33.60	353.07	845.91	
Nutrient balance	0.96	-30.27	-282.63	8,523.86	
Applied to removed ratio	1.00	0.10	0.20	11.08	

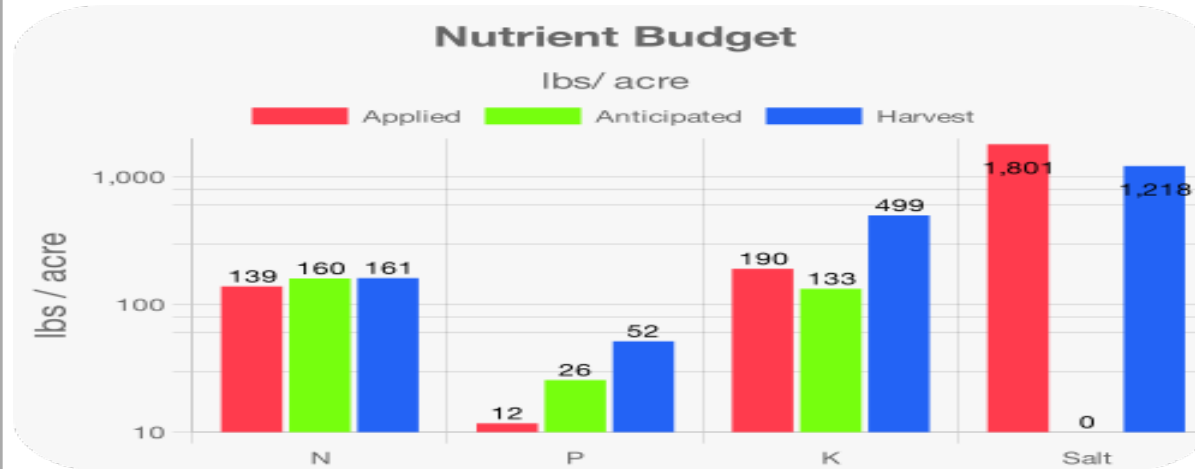


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Reporting period 1/1/2020 to 12/31/2020.

Field 6 - 11/1/2019: Oats silage-soft dough

Field name: Field 6 Crop: Oats silage-soft dough Plant date: 11/1/2019



	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	1,314,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	48.39 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	5.38 inces/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	108.37	11.72	190.38	1,537.71	240,000.00 gallons
Fresh water	23.32	0.00	0.00	262.87	8.84 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	0.98 inces/acre
Total nutrients applied	138.69	11.72	190.38	1,800.57	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	161.11	51.56	499.44	1,218.26	
Nutrient balance	-22.42	-39.84	-309.07	582.32	
Applied to removed ratio	0.86	0.23	0.38	1.48	

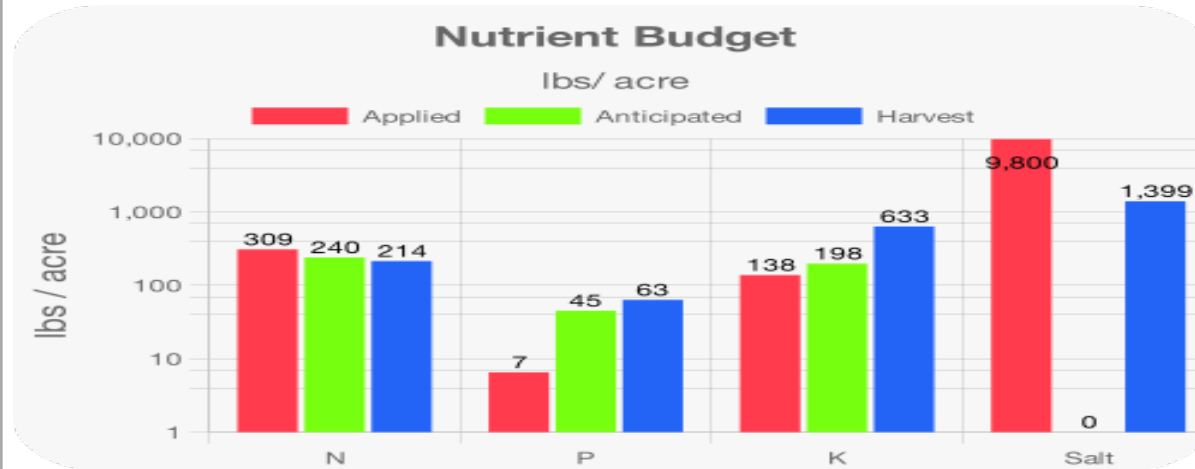


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Reporting period 1/1/2020 to 12/31/2020.

Field 6 - 5/7/2020: Corn silage

Field name: Field 6 Crop: Corn silage Plant date: 5/7/2020



	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	11,907,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	438.49 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	48.72 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	285.66	6.53	137.93	5,935.52	705,000.00 gallons
Fresh water	0.00	0.00	0.00	3,864.15	25.96 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.88 inces/acre
Total nutrients applied	308.66	6.53	137.93	9,799.67	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	213.89	63.33	633.33	1,398.70	
Nutrient balance	94.77	-56.80	-495.40	8,400.97	
Applied to removed ratio	1.44	0.10	0.22	7.01	

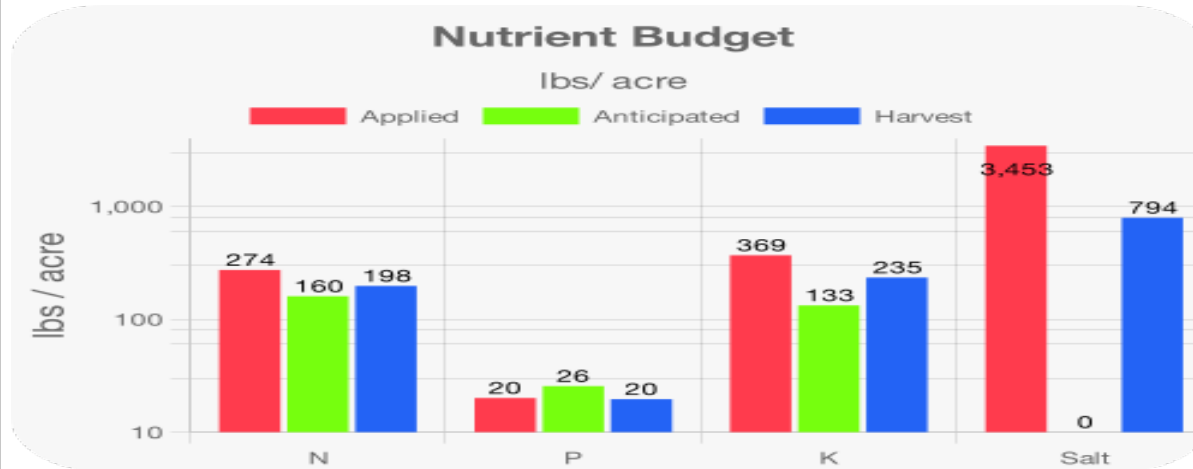


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Reporting period 1/1/2020 to 12/31/2020.

Field 7 - 11/1/2019: Oats silage-soft dough

Field name: Field 7 Crop: Oats silage-soft dough Plant date: 11/1/2019



	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	6,018,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	221.62 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	6.16 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	231.05	20.08	369.13	2,794.46	2,040,000.00 gallons
Fresh water	35.71	0.00	0.00	658.49	75.13 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.09 inces/acre
Total nutrients applied	273.76	20.08	369.13	3,452.95	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	197.56	19.60	234.58	794.33	
Nutrient balance	76.20	0.48	134.55	2,658.63	
Applied to removed ratio	1.39	1.02	1.57	4.35	

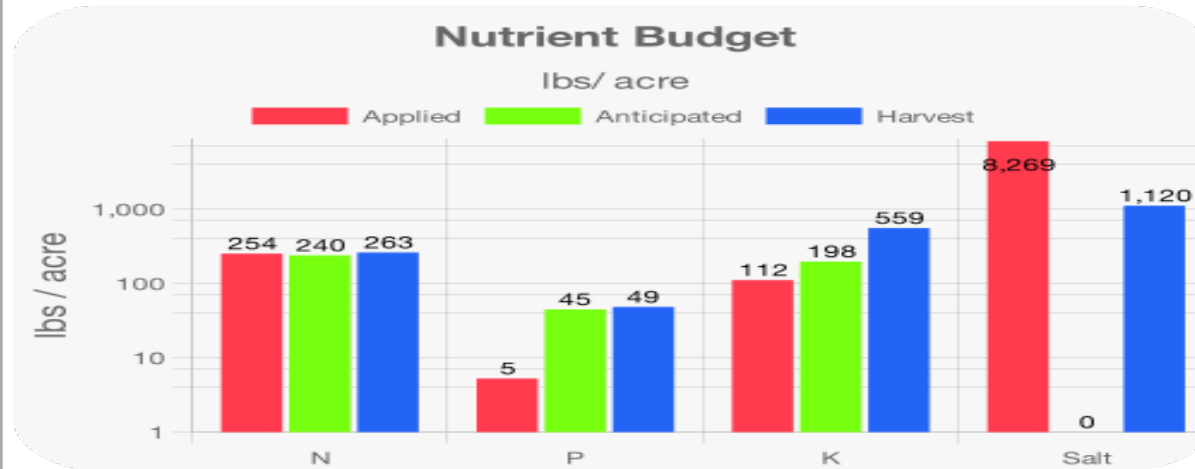


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Reporting period 1/1/2020 to 12/31/2020.

Field 7 - 5/8/2020: Corn silage

Field name: Field 7 Crop: Corn silage Plant date: 5/8/2020



	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	42,768,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,575.00 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	43.75 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	230.96	5.28	111.52	4,798.93	2,280,000.00 gallons
Fresh water	0.00	0.00	0.00	3,469.85	83.96 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	2.33 inces/acre
Total nutrients applied	253.96	5.28	111.52	8,268.78	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	262.83	48.56	559.44	1,120.16	
Nutrient balance	-8.87	-43.28	-447.93	7,148.63	
Applied to removed ratio	0.97	0.11	0.20	7.38	

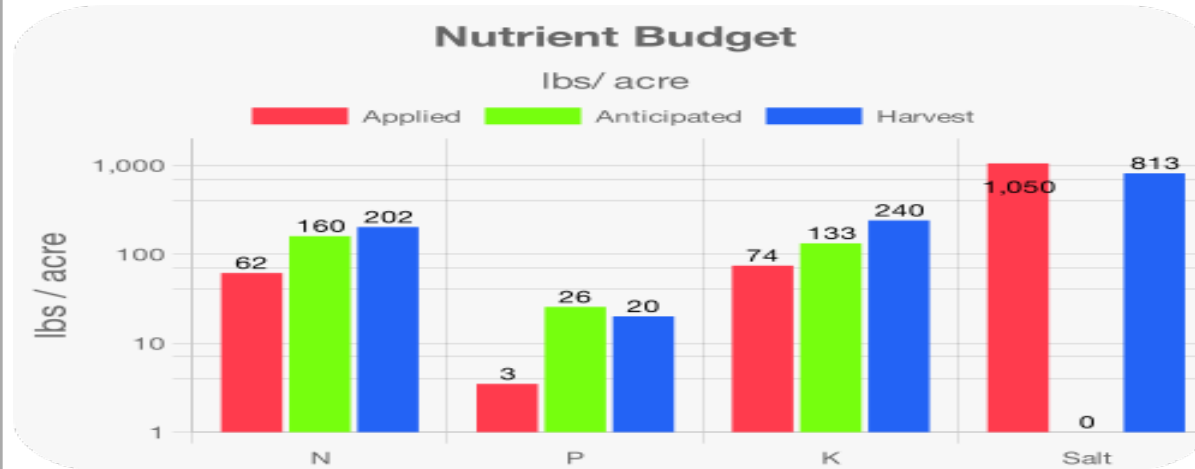


Annual Report - General Order No. R5-2007-0035

Reporting period 1/1/2020 to 12/31/2020.

Field 8 - 11/1/2019: Oats silage-soft dough

Field name: Field 8 Crop: Oats silage-soft dough Plant date: 11/1/2019



	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	6,885,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	253.55 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	7.04 inces/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	51.11	3.48	74.48	523.65	450,000.00 gallons
Fresh water	3.41	0.00	0.00	526.67	16.57 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	0.46 inces/acre
Total nutrients applied	61.52	3.48	74.48	1,050.32	
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	
Actual crop nutrient removal	202.14	20.06	240.02	812.77	
Nutrient balance	-140.62	-16.57	-165.54	237.55	
Applied to removed ratio	0.30	0.17	0.31	1.29	
					Total harvests for the crop
					1 harvest

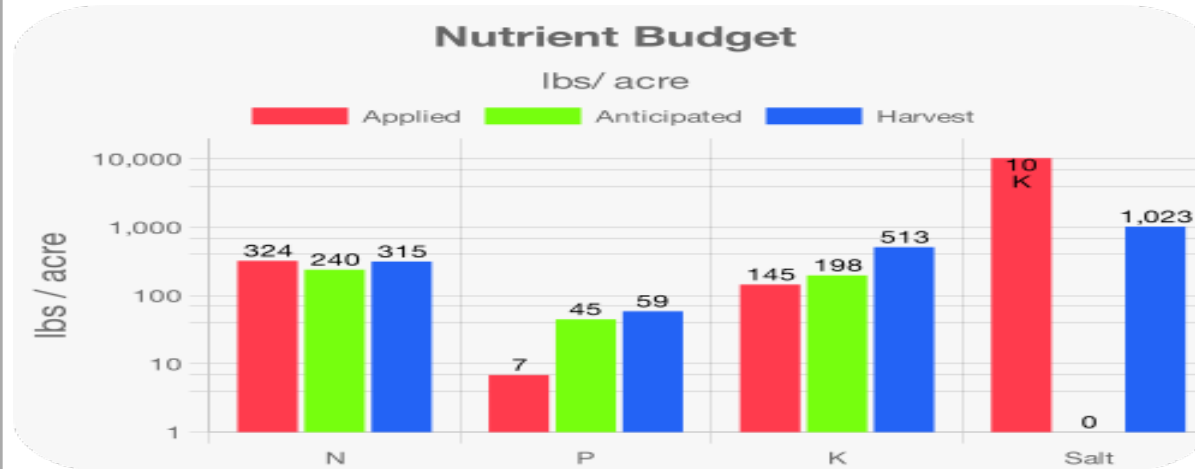


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Reporting period 1/1/2020 to 12/31/2020.

Field 8 - 5/9/2020: Corn silage

Field name: Field 8 Crop: Corn silage Plant date: 5/9/2020



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	50,058,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,843.47 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	51.21 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	300.86	6.88	145.27	6,251.24	2,970,000.00 gallons
Fresh water	0.00	0.00	0.00	4,061.30	109.38 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	3.04 inces/acre
Total nutrients applied	323.86	6.88	145.27	10,312.54	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	315.23	58.97	512.52	1,022.93	
Nutrient balance	8.62	-52.09	-367.26	9,289.61	
Applied to removed ratio	1.03	0.12	0.28	10.08	

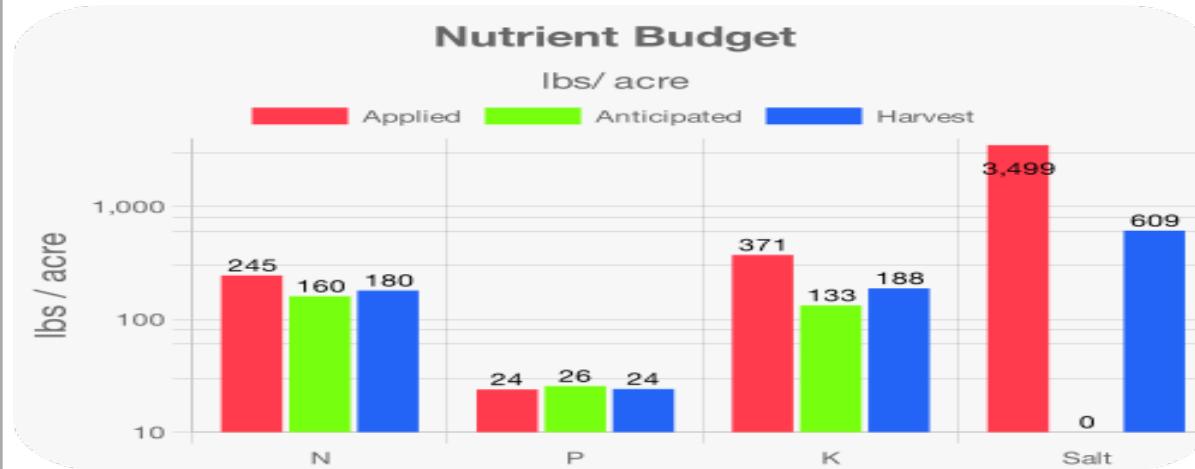


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Reporting period 1/1/2020 to 12/31/2020.

Field 9 - 12/17/2019: Oats silage-soft dough

Field name: Field 9 Crop: Oats silage-soft dough Plant date: 12/17/2019



	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	2,379,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	87.61 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	3.24 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	202.89	23.93	371.39	3,075.97	1,350,000.00 gallons
Fresh water	34.71	0.00	0.00	422.79	49.72 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	1.84 inces/acre
Total nutrients applied	244.60	23.93	371.39	3,498.76	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	179.86	24.16	187.91	609.37	
Nutrient balance	64.74	-0.23	183.48	2,889.39	
Applied to removed ratio	1.36	0.99	1.98	5.74	

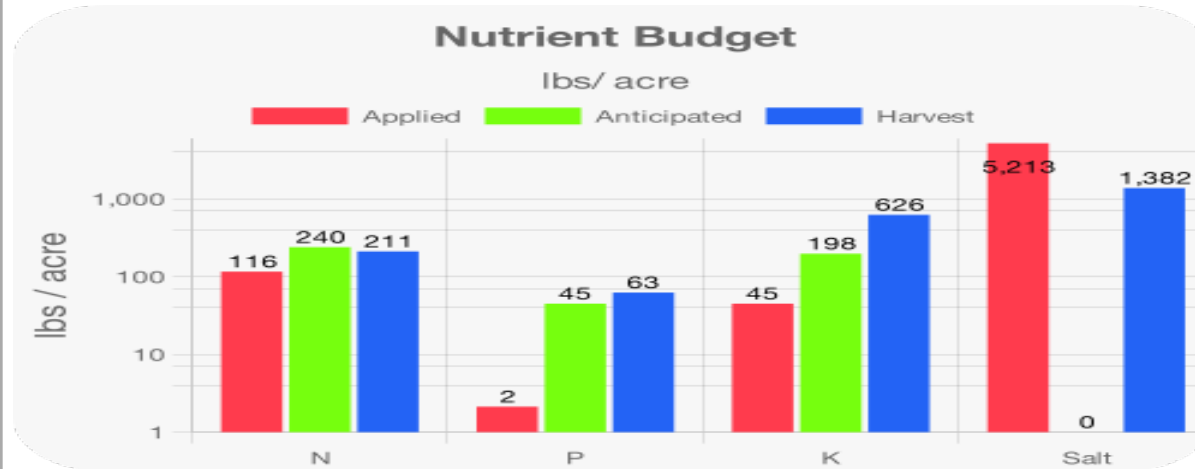


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Reporting period 1/1/2020 to 12/31/2020.

Field 9 - 6/2/2020: Corn silage

Field name: Field 9 Crop: Corn silage Plant date: 6/2/2020



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	30,294,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	1,115.63 acre-inches
Commerical fertilizer / Other	16.00	0.00	0.00	0.00	41.32 inces/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	93.20	2.13	45.00	1,936.41	690,000.00 gallons
Fresh water	0.00	0.00	0.00	3,277.08	25.41 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	0.94 inces/acre
Total nutrients applied	116.20	2.13	45.00	5,213.49	
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	
Actual crop nutrient removal	211.32	62.57	625.73	1,381.92	
Nutrient balance	-95.13	-60.44	-580.74	3,831.58	
Applied to removed ratio	0.55	0.03	0.07	3.77	
					Total harvests for the crop
					1 harvest

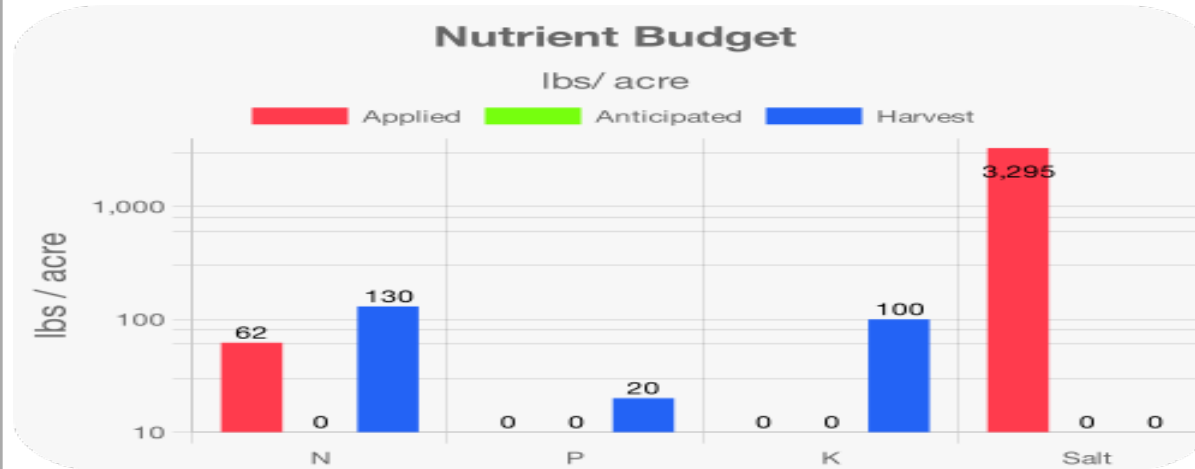


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Reporting period 1/1/2020 to 12/31/2020.

Field 14 - 1/1/2020: Almond in shell

Field name: Field 14 Crop: Almond in shell Plant date: 1/1/2020



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	20,304,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	747.73 acre-inches
Commerical fertilizer / Other	48.00	0.00	0.00	0.00	41.54 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	0.00	0.00	0.00	0.00	0.00 gallons
Fresh water	0.00	0.00	0.00	3,294.61	0.00 acre-inches
Atmospheric deposition	14	0.00	0.00	0.00	0.00 inces/acre
Total nutrients applied	62.00	0.00	0.00	3,294.61	Total harvests for the crop
Anticipated crop nutrient removal	0.00	0.00	0.00	0.00	1 harvest
Actual crop nutrient removal	130.00	20.00	100.00	0.00	
Nutrient balance	-68.00	-20.00	-100.00	3,294.61	
Applied to removed ratio	0.48	0.00	0.00	0.00	

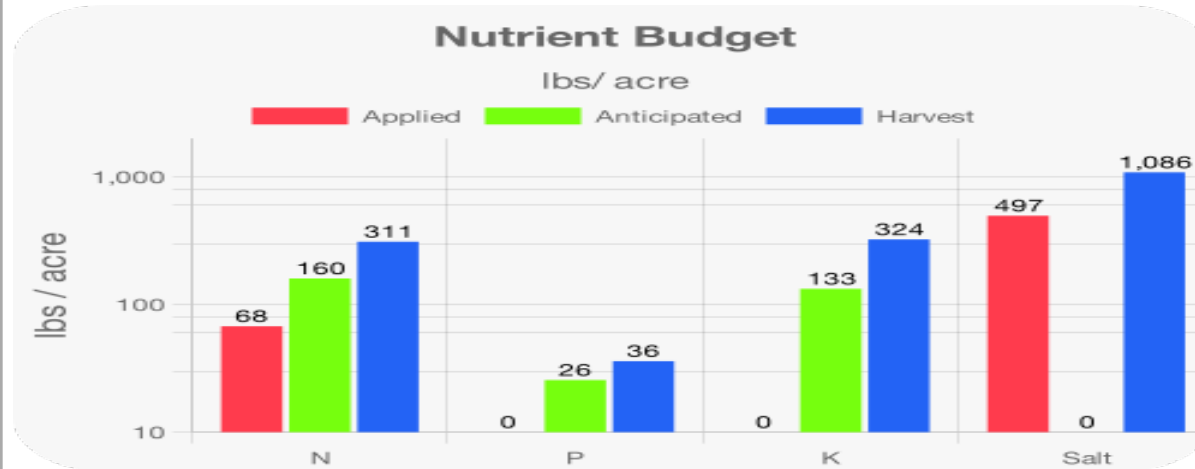


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Reporting period 1/1/2020 to 12/31/2020.

Field 17 - 11/11/2019: Oats silage-soft dough

Field name: Field 17 Crop: Oats silage-soft dough Plant date: 11/11/2019



	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	57,156,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	2,104.86 acre-inches
Commerical fertilizer / Other	56.00	0.00	0.00	0.00	7.26 inces/acre
Dry manure	0.00	0.00	0.00	0.00	Process wastewater applied
Process wastewater	0.00	0.00	0.00	0.00	0.00 gallons
Fresh water	4.65	0.00	0.00	496.69	0.00 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	0.00 inces/acre
Total nutrients applied	67.65	0.00	0.00	496.69	Total harvests for the crop
Anticipated crop nutrient removal	160.00	25.60	132.80	0.00	1 harvest
Actual crop nutrient removal	310.68	36.05	323.79	1,085.95	
Nutrient balance	-243.03	-36.05	-323.79	-589.25	
Applied to removed ratio	0.22	0.00	0.00	0.46	

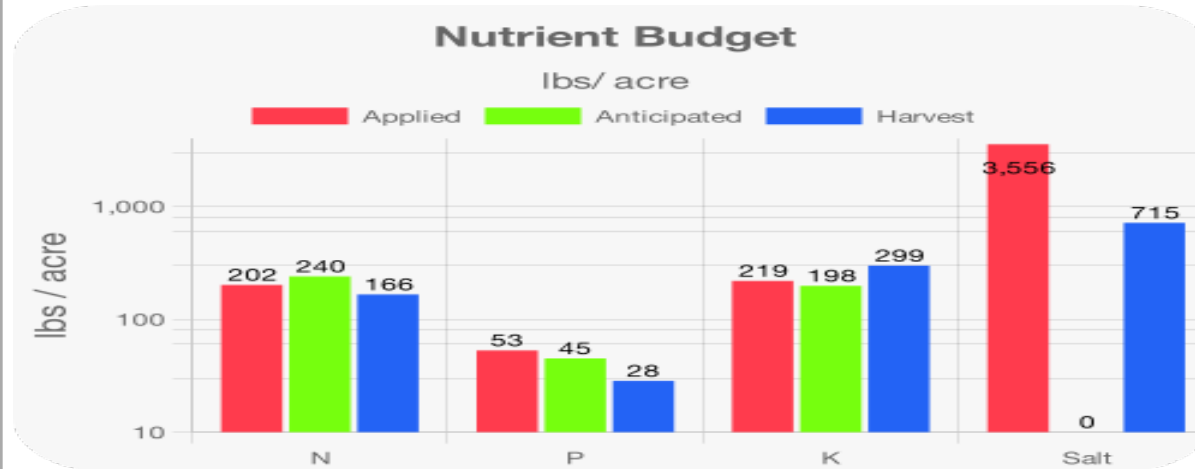


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Reporting period 1/1/2020 to 12/31/2020.

Field 17 - 6/1/2020: Corn silage

Field name: Field 17 Crop: Corn silage Plant date: 6/1/2020



	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	353,079,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	13,002.70 acre-inches
Commerical fertilizer / Other	0.00	0.00	0.00	0.00	44.84 inces/acre
Dry manure	194.80	53.02	218.90	0.00	Process wastewater applied
Process wastewater	0.00	0.00	0.00	0.00	0.00 gallons
Fresh water	0.00	0.00	0.00	3,556.05	0.00 acre-inches
Atmospheric deposition	7	0.00	0.00	0.00	0.00 inces/acre
Total nutrients applied	201.80	53.02	218.90	3,556.05	Total harvests for the crop
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00	1 harvest
Actual crop nutrient removal	166.01	28.42	298.63	715.49	
Nutrient balance	35.79	24.60	-79.73	2,840.57	
Applied to removed ratio	1.22	1.87	0.73	4.97	



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Reporting period 1/1/2020 to 12/31/2020.

Nutrient Analyses

A. Manure Analyses

Manure Caetano

Sample and source description Manure Caetano

Sample date: 3/9/2020 Material type: Corral solids Source of analysis: Lab Analysis Method of Reporting: dry-weight

Moisture: 56.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total Salt (mg/kg)	TFS(%)
Value	19,400.00	5,280.00	21,800.00	0.00	0.00	0.00	0.00	0.00		0.00
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		1.00

B. PROCESS WASTEWATER ANALYSES

Lagoon

Sample and source description Lagoon

Sample date: 11/12/2019 Material type: Process wastewater Source of analysis: Lab Analysis pH: 0.00

	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	484.00	336.00	0.00	0.00	71.90	997.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,000.00	8,800.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10

Lagoon

Sample and source description Lagoon

Sample date: 3/9/2020 Material type: Process wastewater Source of analysis: Lab Analysis pH: 0.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	490.00	263.00	0.00	0.00	33.40	714.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,000.00	5,020.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10



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Lagoon

Sample and source description

Lagoon

Sample date: 5/18/2020

Material type: Process wastewater

Source of analysis: Lab Analysis

pH: 0.00

	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	437.00	374.00	0.00	0.00	9.99	211.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,310.00	9,080.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10

C. FRESH WATER ANALYSES

Canal

Canal Water

Sample description Canal Water

Sample date: 9/22/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	259.00	350.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Canal Water

Sample description Canal Water

Sample date: 9/22/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	259.00	350.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Well 5

Irrigation Water



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Reporting period 1/1/2020 to 12/31/2020.

Sample description Irrigation Water

Sample date: 8/6/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	48.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,660.00	10.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Irrigation Water

Sample description Irrigation Water

Sample date: 8/7/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	47.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,110.00	575.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Well 6

Irrigation Water

Sample description Irrigation Water

Sample date: 8/6/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	49.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,730.00	0.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Well 7

Irrigation Water

Sample description Irrigation Water

Sample date: 8/6/2020

Source of analysis: Lab Analysis



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	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,110.00	10.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Irrigation Water

Sample description Irrigation Water

Sample date: 8/6/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,110.00	10.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Well 8

Irrigation Water

Sample description Irrigation Water

Sample date: 8/6/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	901.00	10.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

Well 9

Irrigation Water

Sample description Irrigation Water

Sample date: 8/6/2020

Source of analysis: Lab Analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (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)
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Value	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,090.00	10.00
DL	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	10.00

D. SOIL ANALYSES

Field 1							
Soil Sample A							
Sample and source description <u>Soil Sample A</u>							
Sample date: <u>11/12/2019</u> Source of analysis: <u>Lab Analysis</u>							
	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value	50.00	50.00	50.00	50.00	50.00	50.00	
DL	50.00	50.00	50.00	50.00	50.00	50.00	

E. PLANT TISSUE ANALYSES

Field 1 - 11/1/2019: Oats silage-soft dough					
Oats silage-soft dough					
Sample and source description <u>Oats silage-soft dough</u>					
Sample date: <u>5/5/2020</u> Source of analysis: <u>Lab Analysis</u> Method of Reporting: <u>As Is</u>					
Moisture: <u>72.20%</u>					
	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,390.00	13,600.00		12.50
DL	100.00	100.00	100.00		0.01



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

Reporting period 1/1/2020 to 12/31/2020.

Field 1 - 5/7/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 8/28/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 65.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,640.00	950.00	9,100.00		6.71
DL	100.00	100.00	100.00		0.01

Field 2 - 11/1/2019: Oats silage-soft dough

Oats silage-soft dough

Sample and source description Oats silage-soft dough

Sample date: 5/5/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 66.80%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,970.00	930.00	9,300.00		8.28
DL	100.00	100.00	100.00		0.01



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Reporting period 1/1/2020 to 12/31/2020.

Field 2 - 5/7/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 8/28/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 71.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,450.00	1,040.00	12,200.00		9.52
DL	100.00	100.00	100.00		0.01

Field 3 - 11/1/2019: Oats silage-soft dough

Oats silage-soft dough

Sample and source description Oats silage-soft dough

Sample date: 5/5/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 60.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,720.00	1,680.00	18,800.00		11.80
DL	100.00	100.00	100.00		0.01



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Reporting period 1/1/2020 to 12/31/2020.

Field 3 - 5/7/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 8/28/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 69.20%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,040.00	1,050.00	10,500.00		7.68
DL	100.00	100.00	100.00		0.01

Field 4 - 11/1/2019: Oats silage-soft dough

Oats silage-soft dough

Sample and source description Oats silage-soft dough

Sample date: 5/5/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 72.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,540.00	1,620.00	17,600.00		13.90
DL	100.00	100.00	100.00		0.01



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Reporting period 1/1/2020 to 12/31/2020.

Field 4 - 5/7/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 8/28/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 70.80%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,150.00	1,000.00	9,700.00		6.59
DL	100.00	100.00	100.00		0.01

Field 5 - 11/1/2019: Oats silage-soft dough

Oats silage-soft dough

Sample and source description Oats silage-soft dough

Sample date: 5/5/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 72.80%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,600.00	15,500.00		13.90
DL	100.00	100.00	100.00		0.01



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Reporting period 1/1/2020 to 12/31/2020.

Field 5 - 5/7/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 9/15/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 63.20%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,680.00	630.00	6,620.00		4.31
DL	100.00	100.00	100.00		0.01

Field 6 - 11/1/2019: Oats silage-soft dough

Oats silage-soft dough

Sample and source description Oats silage-soft dough

Sample date: 5/5/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 72.80%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,600.00	15,500.00		13.90
DL	100.00	100.00	100.00		0.01



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	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,850.00	1,140.00	11,400.00		6.39
DL	100.00	100.00	100.00		0.01

Field 7 - 11/1/2019: Oats silage-soft dough**Oats silage-soft dough**Sample and source description Oats silage-soft doughSample date: 5/5/2020Source of analysis: Lab AnalysisMethod of Reporting: As IsMoisture: 74.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,350.00	630.00	7,540.00		9.82
DL	100.00	100.00	100.00		0.01



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	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,980.00	920.00	10,600.00		7.58
DL	100.00	100.00	100.00		0.01

Field 8 - 11/1/2019: Oats silage-soft dough**Oats silage-soft dough**Sample and source description Oats silage-soft doughSample date: 5/5/2020Source of analysis: Lab AnalysisMethod of Reporting: As IsMoisture: 74.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,350.00	630.00	7,540.00		9.82
DL	100.00	100.00	100.00		0.01



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Reporting period 1/1/2020 to 12/31/2020.

Field 8 - 5/9/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 8/28/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 64.60%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,880.00	1,100.00	9,560.00		5.39
DL	100.00	100.00	100.00		0.01

Field 9 - 12/17/2019: Oats silage-soft dough

Oats silage-soft dough

Sample and source description Oats silage-soft dough

Sample date: 5/5/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 70.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,040.00	1,080.00	8,400.00		9.08
DL	100.00	100.00	100.00		0.01



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Reporting period 1/1/2020 to 12/31/2020.

Field 9 - 6/2/2020: Corn silage

Corn silage

Sample and source description Corn silage

Sample date: 9/15/2020

Source of analysis: Lab Analysis

Method of Reporting: As Is

Moisture: 60.60%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,850.00	1,140.00	11,400.00		6.39
DL	100.00	100.00	100.00		0.01

Field 14 - 1/1/2020: Almond in shell

Almond in shell

Sample and source description Almond in shell

Sample date: 11/1/2020

Source of analysis: Lab Analysis

Method of Reporting: Book Value

Moisture: 10.00%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	65,000.00	10,000.00	50,000.00		0.00
DL	100.00	100.00	100.00		0.01



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	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,480.00	1,100.00	9,880.00		8.72
DL	100.00	100.00	100.00		0.01

Field 17 - 6/1/2020: Corn silage**Corn silage**Sample and source description Corn silageSample date: 9/15/2020Source of analysis: Lab AnalysisMethod of Reporting: As IsMoisture: 63.20%

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	3,680.00	630.00	6,620.00		4.31
DL	100.00	100.00	100.00		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

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Tile Drain 1

Q1

Sample description Q1

Sample date: 10/10/2019

Source of analysis: Lab Analysis

	NH4-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	50.00	20.00	50.00	50.00	50
DL	5.00	5.00	5.00	5.00	5



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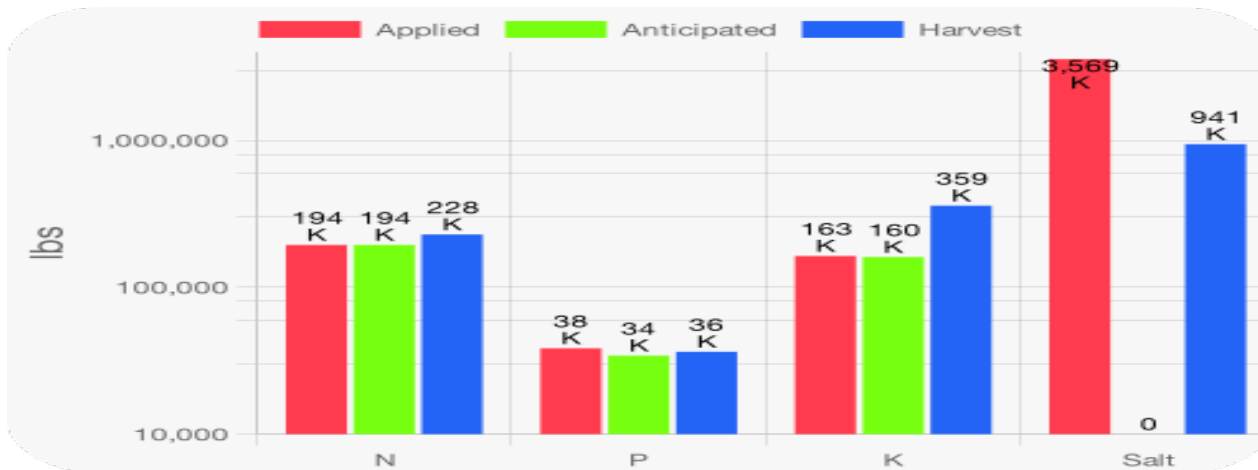
Reporting period 1/1/2020 to 12/31/2020.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

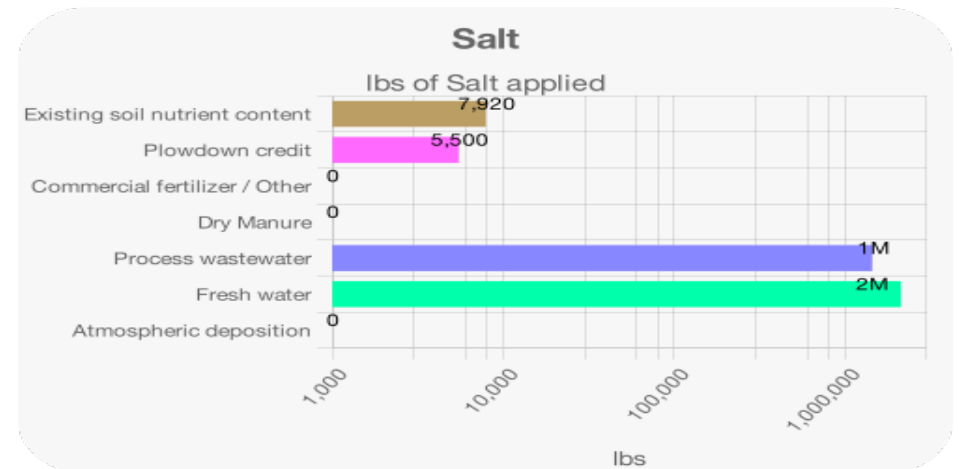
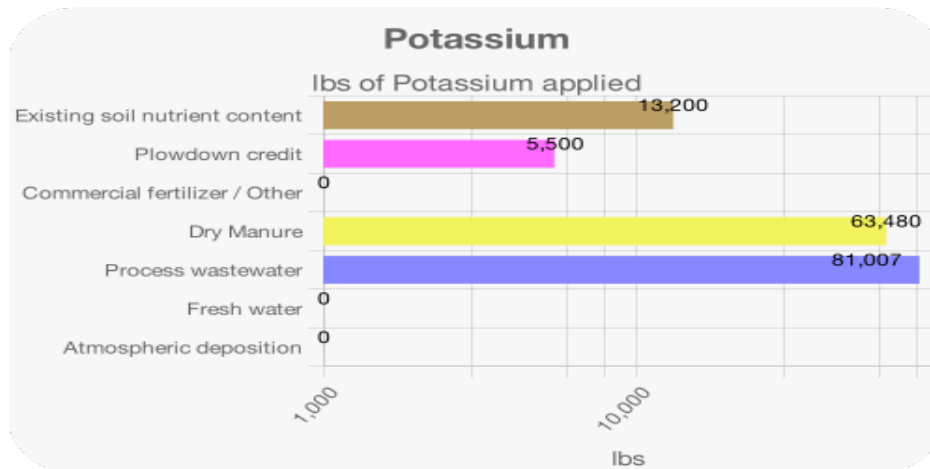
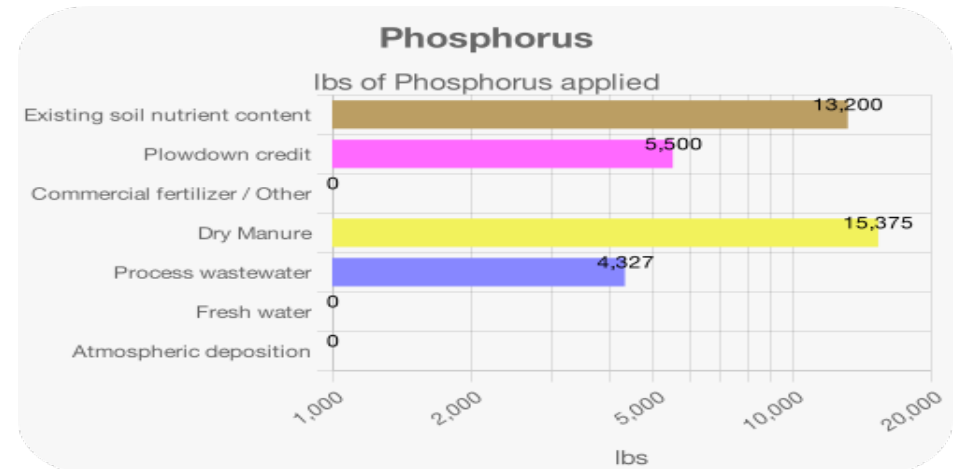
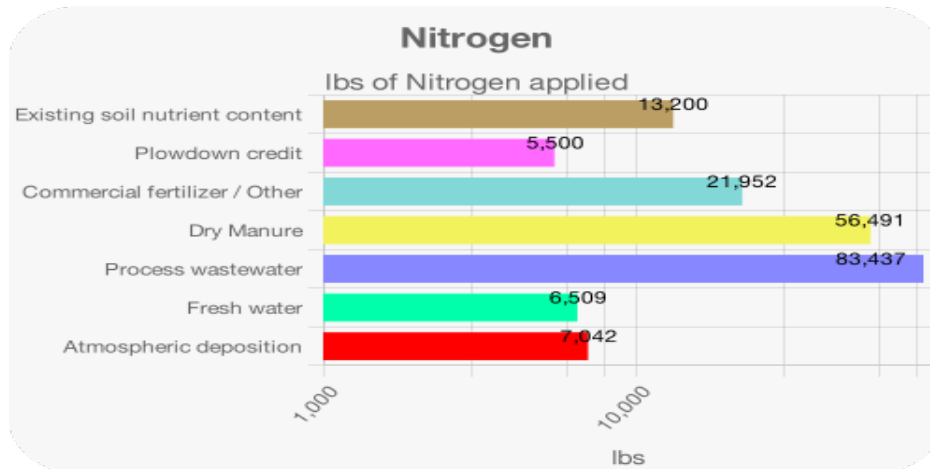
A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	13,200.00	13,200.00	13,200.00	7,920.00
Plowdown credit	5,500.00	5,500.00	5,500.00	5,500.00
Commerical fertilizer /Other	21,952.00	0.00	0.00	0.00
Dry Manure	56,491.25	15,374.94	63,479.86	0.00
Process wastewater	83,436.52	4,327.43	81,007.13	1,438,776.47
Fresh water	6,509.26	0.00	0.00	2,117,243.80
Atmospheric deposition	7042	0	0	0
Total nutrients applied	194,131.03	38,402.37	163,186.98	3,569,440.27
Anticipated crop nutrient removal	194,000.00	34,241.00	160,438.00	0.00
Actual crop nutrient removal	228,600.26	36,382.72	359,196.40	941,203.65
Nutrient balance	-34,469.23	2,019.65	-196,009.42	2,628,236.62
Applied to removed ratio	0.85	1.06	0.45	3.79

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL



C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE



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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.

Discharge date	Location	Map reference #	Method of measuring discharge	Rationale for sample locations	Source of discharge	Volume
10/10/2019 5:30 PM	Sumwhere	133769420	Eyeball	It was wet there.	Storm water	1337 gals

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? No

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? No

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

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Reporting peroid 1/1/2020 to 12/31/2020.

ADDITIONAL NOTES

A. NOTES

No notes!



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Reporting period 1/1/2020 to 12/31/2020.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

SIGNATURE OF OWNER OF FACILITY

SIGNATURE OF OPERATOR OF FACILITY

TestOp Jikh

PRINT OR TYPE NAME

PRINT OR TYPE NAME

DATE

DATE



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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.

Written Agreements

Provide copies of all new or revised written agreements with each third party that receives solid manure or process wastewater from the Discharger for its own use.

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.

Discharge Maps

Provide map(s) showing the discharge and sample locations for each discharge or release of waste to land areas (land application areas or otherwise) or surface water.

Discharge Lab Reports

Provide copies of laboratory analyses of all discharges (manure, process wastewater, or tailwater), surface water (upstream and downstream of a discharge), and storm water, including chain-of-custody forms and laboratory quality assurance/quality control results.

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.

