

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

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

DAIRY FACILITY INFORMATION**A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:** Sozinho Jerseys 2

Physical address of dairy:

5811 Lacey BLVD

Number and Street

Hanford

City

Kings

County

93230

Zip Code

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

Date facility was originally placed in operation: 11/19/1974Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X016-X080-X043-XXXX X016-X120-X036-XXXX**B. OPERATORS**

Sozinho, Danny

Operator name: Sozinho, Danny

Telephone no.:

(559) 816-3591

Landline

Cellular

10795 6th AVE

Mailing Address Number and Street

Hanford

City

CA

State

93230

Zip Code

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

Rocha, Robert

Legal owner name: Rocha, Robert

Telephone no.:

(559) 816-3591

Landline

Cellular

10795 6th AVE

Mailing Address Number and Street

Hanford

City

CA

State

93230

Zip Code

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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	0	98	66	78	24	0
Number under roof	895	0	0	0	0	0
Maximum number	900	105	75	85	26	0
Average number	898	102	71	82	25	0
Avg live weight (lbs)	1,400	1,600	1,200	100		

Predominant milk cow breed: Jersey

Average milk production: 61 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 25,122.74 tons per reporting period

Total nitrogen from manure: 323,182.02 lbs per reporting period

After ammonia losses (30% loss applied): 226,227.41 lbs per reporting period

Total phosphorus from manure: 53,710.90 lbs per reporting period

Total potassium from manure: 166,665.41 lbs per reporting period

Total salt from manure: 446,278.20 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 10,944,000 gallons

Total nitrogen generated: 50,466.62 lbs

Total phosphorus generated: 5,989.26 lbs

Total potassium generated: 129,623.12 lbs

Total salt generated: 499,625.50 lbs

	10,944,000 gallons applied
+	0 gallons exported
-	0 gallons imported
=	10,944,000 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
Dom 1	Ground water
Phillips 2	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
AC 1	70	68	1	process wastewater	0016-0080-0043-0000
AC 2	32	12	1	process wastewater	0016-0080-0043-0000
AC 3	25	23	1	none	0016-0080-0043-0000
Phillips 1	75	72	1	none	0016-0120-0036-0000
Phillips 2	43	40	1	none	0016-0120-0036-0000
Phillips 3	70	65	1	process wastewater	0016-0120-0036-0000
Totals for areas that were used for application	172	145	3		
Totals for areas that were not used for application	143	135	3		
Land application area totals	315	280	6		

B. CROPS AND HARVESTS

AC 1

Field name: AC 1

11/18/2022: Triticale, boot stage

Crop: Triticale, boot stage Acres planted: 68 Plant date: 11/18/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/19/2023	1,587.00 ton	As-is		48.8	8,300.00	3,900.00	17,000.00		13.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	365.20	171.60	748.00	0.00
Total actual harvest content	23.34	387.41	182.04	793.50	3,178.48

AC 2

Field name: AC 2

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AC 2

11/18/2022: Triticale, boot stage

Crop: Triticale, boot stage Acres planted: 12 Plant date: 11/18/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/19/2023	275.00 ton	As-is		49.4	8,600.00	4,400.00	17,900.00		14.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	378.40	193.60	787.60	0.00
Total actual harvest content	22.92	394.17	201.67	820.42	3,455.56

AC 3Field name: AC 3

02/01/2016: Pistachios

Crop: Pistachios Acres planted: 23 Plant date: 02/01/2016

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/01/2023	103.50 ton	As-is		61.1	20,200.00	4,000.00	21,300.00		14.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	118.40	31.20	167.20	0.00
Total actual harvest content	4.50	181.80	36.00	191.70	518.15

Phillips 1Field name: Phillips 1

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Phillips 1

02/01/2016: Pistachios

Crop: PistachiosAcres planted: 72 Plant date: 02/01/2016

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/01/2023	324.00 ton	As-is		57.4	23,100.00	4,800.00	20,900.00		11.80

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.00	118.40	31.20	167.20	0.00
Total actual harvest content	4.50	207.90	43.20	188.10	452.41

Phillips 2Field name: Phillips 2

02/01/2016: Pistachios

Crop: PistachiosAcres planted: 40 Plant date: 02/01/2016

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/01/2023	200.00 ton	As-is		58.8	18,000.00	4,600.00	19,600.00		15.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	4.30	127.28	33.54	179.74	0.00
Total actual harvest content	5.00	180.00	46.00	196.00	622.12

Phillips 3Field name: Phillips 3

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Phillips 3

11/16/2022: Triticale, boot stage

Crop: Triticale, boot stage Acres planted: 65 Plant date: 11/16/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
06/19/2023	1,210.00 <i>ton</i>	As-is		48.4	9,500.00	4,300.00	17,200.00		13.90

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	22.00	418.00	189.20	756.80	0.00
Total actual harvest content	18.62	353.69	160.09	640.37	2,670.34

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NUTRIENT BUDGET

A. LAND APPLICATIONS

AC 1 - 11/18/2022: Triticale, boot stage

Field name: AC 1

Crop: Triticale, boot stage

Plant date: 11/18/2022

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following
10/20/2022	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	144.65	14.16	282.28	1,053.90	2,340,000.00 <i>gal</i>
Phillips 2		Ground water	0.00	0.00	0.00	195.16	8,550,000.00 <i>gal</i>
Application event totals			144.65	14.16	282.28	1,249.06	
03/01/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	99.18	16.66	378.53	1,443.61	1,512,000.00 <i>gal</i>
Phillips 2		Ground water	0.00	0.00	0.00	175.65	7,695,000.00 <i>gal</i>
Application event totals			99.18	16.66	378.53	1,619.25	
05/15/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon		Process wastewater	115.26	11.38	250.94	1,017.89	1,440,000.00 <i>gal</i>
Phillips 2		Ground water	0.00	0.00	0.00	147.91	6,480,000.00 <i>gal</i>
Application event totals			115.26	11.38	250.94	1,165.81	

AC 2 - 11/18/2022: Triticale, boot stage

Field name: AC 2

Crop: Triticale, boot stage

Plant date: 11/18/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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AC 2 - 11/18/2022: Triticale, boot stage

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
10/24/2022	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	151.32	14.81	295.31	1,102.54	432,000.00 <i>gal</i>	
Phillips 2		Ground water	0.00	0.00	0.00	209.54	1,620,000.00 <i>gal</i>	
Application event totals			151.32	14.81	295.31	1,312.08		
03/05/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	107.05	17.99	408.57	1,558.18	288,000.00 <i>gal</i>	
Phillips 2		Ground water	0.00	0.00	0.00	139.70	1,080,000.00 <i>gal</i>	
Application event totals			107.05	17.99	408.57	1,697.87		
05/19/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Lagoon		Process wastewater	97.97	9.67	213.30	865.21	216,000.00 <i>gal</i>	
Phillips 2		Ground water	0.00	0.00	0.00	128.05	990,000.00 <i>gal</i>	
Application event totals			97.97	9.67	213.30	993.26		

AC 3 - 02/01/2016: Pistachios

Field name: AC 3

Crop: Pistachios

Plant date: 02/01/2016

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following			
03/07/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation			
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2		Ground water	0.00	0.00	0.00	91.11	1,350,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	91.11	

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AC 3 - 02/01/2016: Pistachios

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following
04/05/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Nitrogen		Liquid commercial fertilizer	50.00	0.00	0.00	0.00	
Phillips 2		Ground water	0.00	0.00	0.00	94.14	1,395,000.00 <i>gal</i>
Application event totals			50.00	0.00	0.00	94.14	
05/21/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2		Ground water	0.00	0.00	0.00	94.14	1,395,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	94.14	
06/29/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2		Ground water	0.00	0.00	0.00	97.18	1,440,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	97.18	
07/22/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Nitrogen		Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
Phillips 2		Ground water	0.00	0.00	0.00	97.18	1,440,000.00 <i>gal</i>
Application event totals			40.00	0.00	0.00	97.18	
08/22/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2		Ground water	0.00	0.00	0.00	100.22	1,485,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	100.22	
09/10/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2		Ground water	0.00	0.00	0.00	72.88	1,080,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	72.88	

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Phillips 1 - 02/01/2016: Pistachios

Field name: Phillips 1

Crop: Pistachios

Plant date: 02/01/2016

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/09/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2	Ground water	0.00	0.00	0.00	86.15	3,996,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	86.15	
04/06/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Nitrogen	Liquid commercial fertilizer	45.00	0.00	0.00	0.00	
Phillips 2	Ground water	0.00	0.00	0.00	90.03	4,176,000.00 <i>gal</i>
Application event totals		45.00	0.00	0.00	90.03	
05/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2	Ground water	0.00	0.00	0.00	91.58	4,248,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	91.58	
06/29/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2	Ground water	0.00	0.00	0.00	91.58	4,248,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	91.58	
07/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Nitrogen	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
Phillips 2	Ground water	0.00	0.00	0.00	91.58	4,248,000.00 <i>gal</i>
Application event totals		40.00	0.00	0.00	91.58	

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Phillips 1 - 02/01/2016: Pistachios

Application date	Application method		Precipitation 24 hours prior		Precipitation during application		Precipitation 24 hours following	
08/22/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
	Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
	Phillips 2	Ground water	0.00	0.00	0.00	94.68	4,392,000.00 <i>gal</i>	
	Application event totals		0.00	0.00	0.00	94.68		
09/05/2023	Surface (irrigation)		No precipitation		No precipitation		No precipitation	
	Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
	Phillips 2	Ground water	0.00	0.00	0.00	83.82	3,888,000.00 <i>gal</i>	
	Application event totals		0.00	0.00	0.00	83.82		

Phillips 2 - 02/01/2016: Pistachios

Field name: Phillips 2

Crop: Pistachios

Plant date: 02/01/2016

Application date	Application method	Precipitation 24 hours prior		Precipitation during application			Precipitation 24 hours following	
03/12/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Phillips 2		Ground water	0.00	0.00	0.00	125.73	3,240,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	125.73		
04/09/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Nitrogen		Liquid commercial fertilizer	45.00	0.00	0.00	0.00		
Phillips 2		Ground water	0.00	0.00	0.00	122.93	3,168,000.00 <i>gal</i>	
Application event totals			45.00	0.00	0.00	122.93		
05/24/2023	Surface (irrigation)	No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount	
Phillips 2		Ground water	0.00	0.00	0.00	125.73	3,240,000.00 <i>gal</i>	
Application event totals			0.00	0.00	0.00	125.73		

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Phillips 2 - 02/01/2016: Pistachios

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
07/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2	Ground water	0.00	0.00	0.00	125.73	3,240,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	125.73	
07/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Nitrogen	Liquid commercial fertilizer	40.00	0.00	0.00	0.00	
Phillips 2	Ground water	0.00	0.00	0.00	128.52	3,312,000.00 <i>gal</i>
Application event totals		40.00	0.00	0.00	128.52	
08/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2	Ground water	0.00	0.00	0.00	127.12	3,276,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	127.12	
09/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Phillips 2	Ground water	0.00	0.00	0.00	69.85	1,800,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	69.85	

Phillips 3 - 11/16/2022: Triticale, boot stage

Field name: Phillips 3

Crop: Triticale, boot stage

Plant date: 11/16/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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Phillips 3 - 11/16/2022: Triticale, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
10/24/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	125.71	12.30	245.34	915.96	1,944,000.00 <i>gal</i>
Phillips 2	Ground water	0.00	0.00	0.00	260.05	10,890,000.00 <i>gal</i>
Application event totals		125.71	12.30	245.34	1,176.01	
03/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	103.76	17.43	396.00	1,510.23	1,512,000.00 <i>gal</i>
Phillips 2	Ground water	0.00	0.00	0.00	179.67	7,524,000.00 <i>gal</i>
Application event totals		103.76	17.43	396.00	1,689.90	
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	105.50	10.42	229.71	931.76	1,260,000.00 <i>gal</i>
Phillips 2	Ground water	0.00	0.00	0.00	172.58	7,227,000.00 <i>gal</i>
Application event totals		105.50	10.42	229.71	1,104.34	

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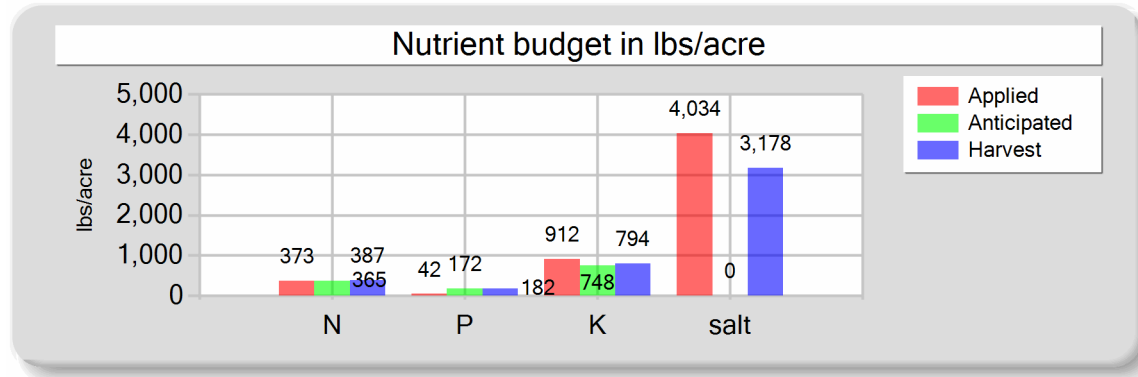
B. NUTRIENT BUDGET

AC 1 - 11/18/2022: Triticale, boot stage

Field name: AC 1

Crop: Triticale, boot stage

Plant date: 11/18/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	22,725,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	836.88 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	12.31 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	359.08	42.20	911.75	3,515.40	Process wastewater applied
Fresh water	0.00	0.00	0.00	518.72	5,292,000.00 gallons
Atmospheric deposition	14.00	0.00	0.00	0.00	194.89 acre-inches
Total nutrients applied	373.08	42.20	911.75	4,034.12	2.87 inches/acre
Anticipated crop nutrient removal	365.20	171.60	748.00	0.00	
Actual crop nutrient removal	387.41	182.04	793.50	3,178.48	Total harvests for the crop
Nutrient balance	-14.34	-139.84	118.25	855.64	1 harvests
Applied to removed ratio	0.96	0.23	1.15	1.27	

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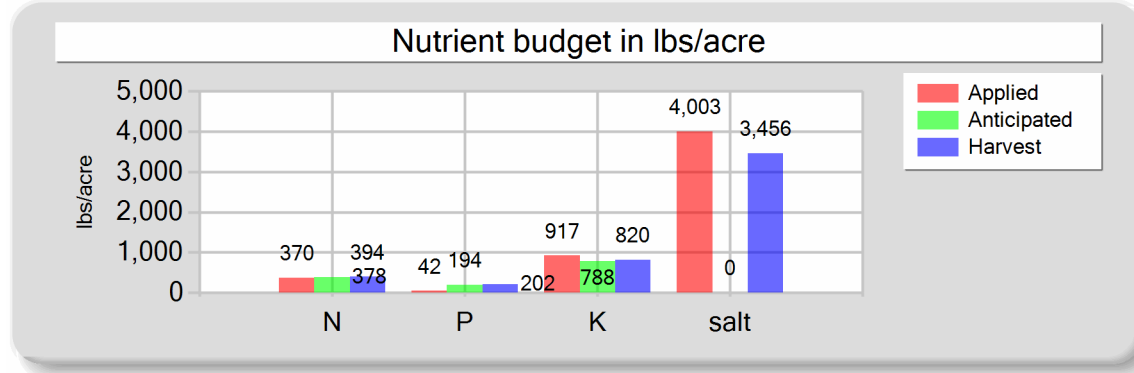
Reporting period 01/01/2023 to 12/31/2023.

AC 2 - 11/18/2022: Triticale, boot stage

Field name: AC 2

Crop: Triticale, boot stage

Plant date: 11/18/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	3,690,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	135.89 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	11.32 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	356.34	42.47	917.18	3,525.93	Process wastewater applied
Fresh water	0.00	0.00	0.00	477.29	936,000.00 <i>gallons</i>
Atmospheric deposition	14.00	0.00	0.00	0.00	34.47 <i>acre-inches</i>
Total nutrients applied	370.34	42.47	917.18	4,003.22	2.87 <i>inches/acre</i>
Anticipated crop nutrient removal	378.40	193.60	787.60	0.00	
Actual crop nutrient removal	394.17	201.67	820.42	3,455.56	Total harvests for the crop
Nutrient balance	-23.83	-159.20	96.77	547.66	1 <i>harvests</i>
Applied to removed ratio	0.94	0.21	1.12	1.16	

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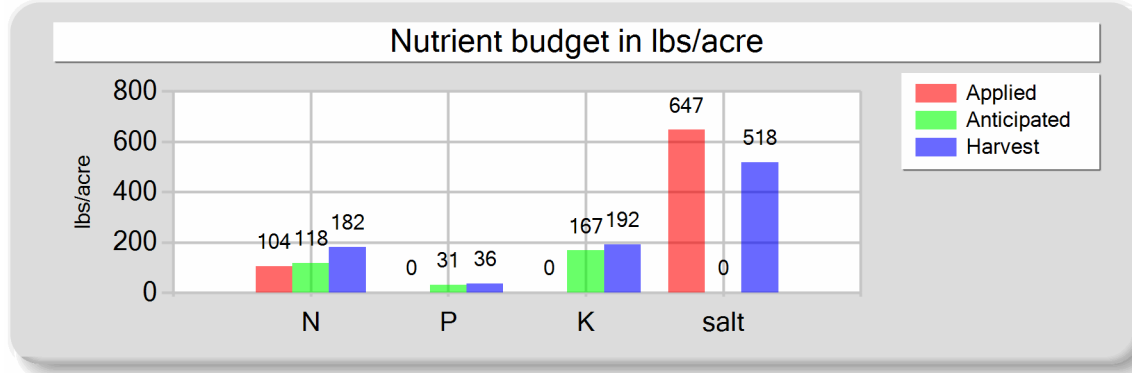
Reporting period 01/01/2023 to 12/31/2023.

AC 3 - 02/01/2016: Pistachios

Field name: AC 3

Crop: Pistachios

Plant date: 02/01/2016



	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	9,585,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	352.98 <i>acre-inches</i>
Commercial fertilizer / Other	90.00	0.00	0.00	0.00	15.35 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	646.85	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	104.00	0.00	0.00	646.85	
Anticipated crop nutrient removal	118.40	31.20	167.20	0.00	
Actual crop nutrient removal	181.80	36.00	191.70	518.15	
Nutrient balance	-77.80	-36.00	-191.70	128.70	
Applied to removed ratio	0.57	0.00	0.00	1.25	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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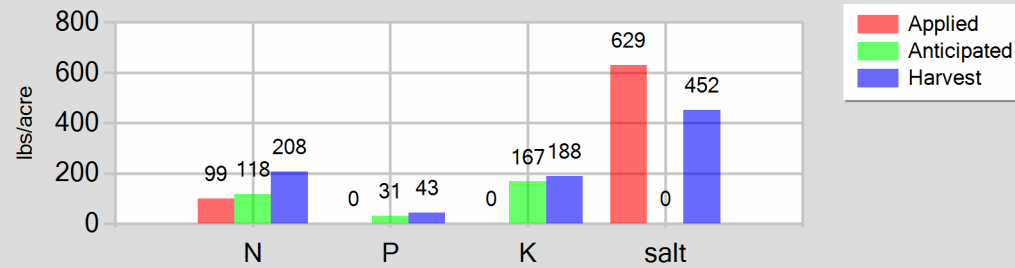
Phillips 1 - 02/01/2016: Pistachios

Field name: Phillips 1

Crop: Pistachios

Plant date: 02/01/2016

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	29,196,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,075.19 <i>acre-inches</i>
Commercial fertilizer / Other	85.00	0.00	0.00	0.00	14.93 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	629.40	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	99.00	0.00	0.00	629.40	
Anticipated crop nutrient removal	118.40	31.20	167.20	0.00	
Actual crop nutrient removal	207.90	43.20	188.10	452.41	
Nutrient balance	-108.90	-43.20	-188.10	176.99	
Applied to removed ratio	0.48	0.00	0.00	1.39	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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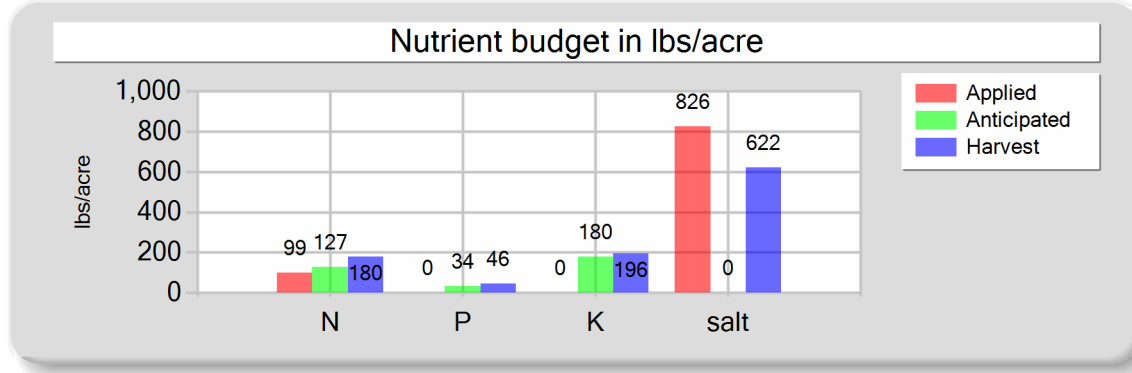
Reporting period 01/01/2023 to 12/31/2023.

Phillips 2 - 02/01/2016: Pistachios

Field name: Phillips 2

Crop: Pistachios

Plant date: 02/01/2016



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	85.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	825.60
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	99.00	0.00	0.00	825.60
Anticipated crop nutrient removal	127.28	33.54	179.74	0.00
Actual crop nutrient removal	180.00	46.00	196.00	622.12
Nutrient balance	-81.00	-46.00	-196.00	203.48
Applied to removed ratio	0.55	0.00	0.00	1.33

Fresh water applied
21,276,000.00 <i>gallons</i>
783.52 <i>acre-inches</i>
19.59 <i>inches/acre</i>

Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>

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

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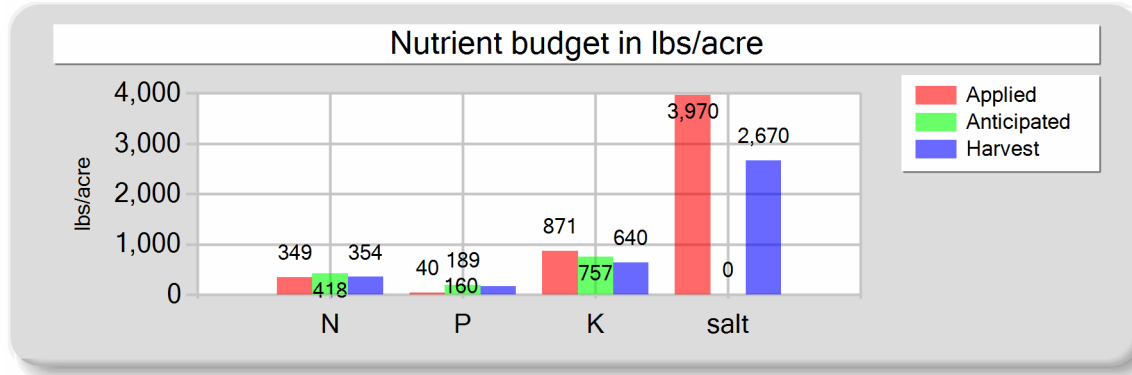
Reporting period 01/01/2023 to 12/31/2023.

Phillips 3 - 11/16/2022: Triticale, boot stage

Field name: Phillips 3

Crop: Triticale, boot stage

Plant date: 11/16/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	334.97	40.15	871.04	3,357.96
Fresh water	0.00	0.00	0.00	612.30
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	348.97	40.15	871.04	3,970.25
Anticipated crop nutrient removal	418.00	189.20	756.80	0.00
Actual crop nutrient removal	353.69	160.09	640.37	2,670.34
Nutrient balance	-4.72	-119.94	230.67	1,299.91
Applied to removed ratio	0.99	0.25	1.36	1.49

Fresh water applied
25,641,000.00 <i>gallons</i>
944.27 <i>acre-inches</i>
14.53 <i>inches/acre</i>

Process wastewater applied
4,716,000.00 <i>gallons</i>
173.67 <i>acre-inches</i>
2.67 <i>inches/acre</i>

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

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

22J1613

Sample and source description: 22J1613

Sample date: 10/25/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 45.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,700.00	4,200.00	30,000.00	7,500.00	3,100.00	2,200.00	2,400.00	7,000.00		0.00
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10.00

23F0710

Sample and source description: 23F0710

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

Moisture: 4.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	19,000.00	5,600.00	20,900.00	27,500.00	6,600.00	2,200.00	3,400.00	3,000.00		0.00
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10.00

23I1779

Sample and source description: 23I1779

Sample date: 09/27/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 35.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,400.00	4,200.00	17,300.00							0.00
DL	0.01	0.01	0.01							10.00

B. PROCESS WASTEWATER ANALYSES

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22J1604

Sample and source description: 22J1604

Sample date: 10/26/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	502.00	370.00	0.00	1.70	49.30	983.00									3,670
DL	0.01	0.01	0.01	0.01	0.01	0.01									10

23A0714

Sample and source description: 23A0714

Sample date: 01/26/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	533.00	239.00	0.00	1.50	89.80	2,040.00									7,780
DL	0.01	0.01	0.01	0.01	0.01	0.01									10

23F0716

Sample and source description: 23F0716

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

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	651.00	438.00	0.00	1.20	64.40	1,420.00	208.00	132.00	358.00	4,600.00	0.00	26.30	721.00		5,760
DL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		10

23I1778

Sample and source description: 23I1778

Sample date: 09/27/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	519.00	430.00	0.00	0.60	58.10	1,100.00									5,250
DL	0.01	0.01	0.01	0.01	0.01	0.01									10

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23L0353

Sample and source description: 23L0353

Sample date: 12/06/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	408.00	245.00	0.00	0.40	33.80	1,530.00									5,920
DL	0.01	0.01	0.01	0.01	0.01	0.01									10

C. FRESH WATER ANALYSES

Dom 1

23I0351

Sample description: 23I0351

Sample date: 12/07/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	2.10										420.00	
DL	0.01										10.00	

Phillips 2

23I0351

Sample description: 23I0351

Sample date: 12/07/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										310.00	
DL	0.01										10.00	

D. SOIL ANALYSES

No soil analyses entered.

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E. PLANT TISSUE ANALYSES

AC 1 - 11/18/2022: Triticale, boot stage

23F1843

Sample and source description: 23F1843

Sample date: 06/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 48.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,300.00	3,900.00	17,000.00		13.30
DL	0.01	0.01	0.01		0.01

AC 2 - 11/18/2022: Triticale, boot stage

223F1843

Sample and source description: 223F1843

Sample date: 06/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 49.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,600.00	4,400.00	17,900.00		14.90
DL	0.01	0.01	0.01		0.01

AC 3 - 02/01/2016: Pistachios

23K0066

Sample and source description: 23K0066

Sample date: 11/01/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	20,200.00	4,000.00	21,300.00		14.80
DL	0.01	0.01	0.01		0.03

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

Phillips 1 - 02/01/2016: Pistachios

23K0066

Sample and source description: 23K0066

Sample date: 11/01/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 57.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	23,100.00	4,800.00	20,900.00		11.80
DL	0.01	0.01	0.01		0.01

Phillips 2 - 02/01/2016: Pistachios

23K0066

Sample and source description: 23K0066

Sample date: 11/01/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 58.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,000.00	4,600.00	19,600.00		15.10
DL	0.01	0.01	0.01		0.01

Phillips 3 - 11/16/2022: Triticale, boot stage

23F1843

Sample and source description: 23F1843

Sample date: 06/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 48.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	9,500.00	4,300.00	17,200.00		13.90
DL	0.01	0.01	0.01		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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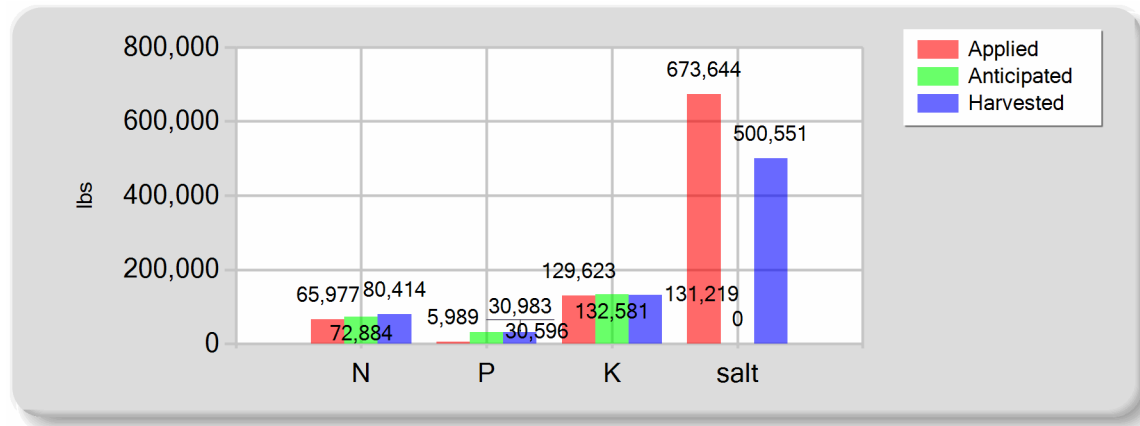
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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

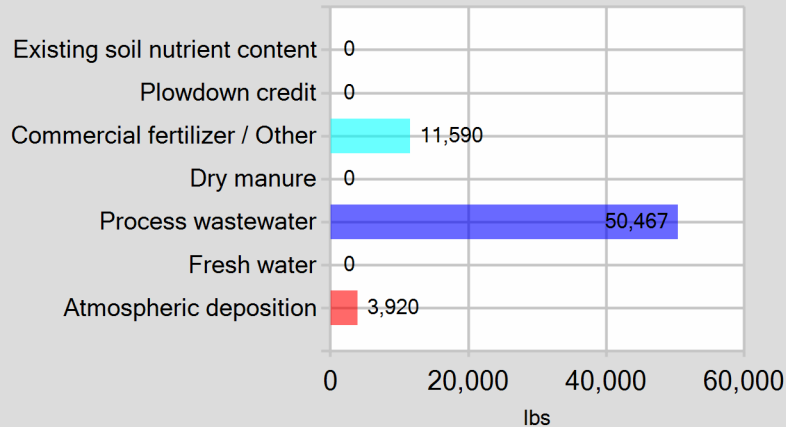
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	11,590.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	50,466.62	5,989.26	129,623.12	499,625.50
Fresh water	0.00	0.00	0.00	174,018.44
Atmospheric deposition	3,920.00	0.00	0.00	0.00
Total nutrients applied	65,976.62	5,989.26	129,623.12	673,643.93
Anticipated crop nutrient removal	72,883.60	30,595.60	132,580.80	0.00
Actual crop nutrient removal	80,414.40	30,983.00	131,219.30	500,551.35
Nutrient balance	-14,437.78	-24,993.74	-1,596.18	173,092.58
Applied to removed ratio	0.82	0.19	0.99	1.35

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

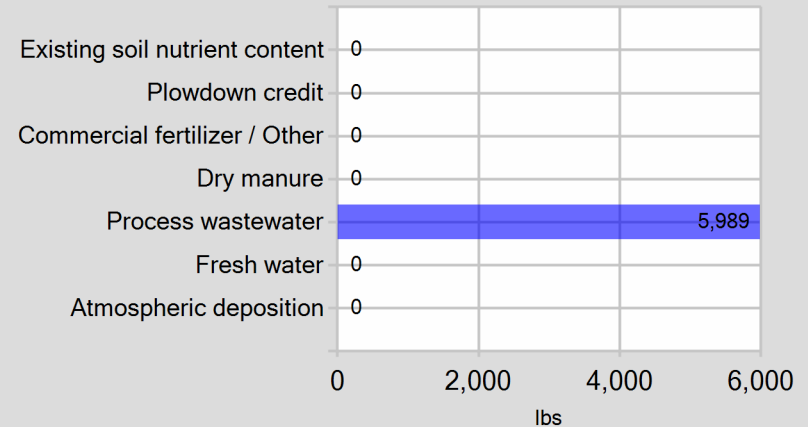


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

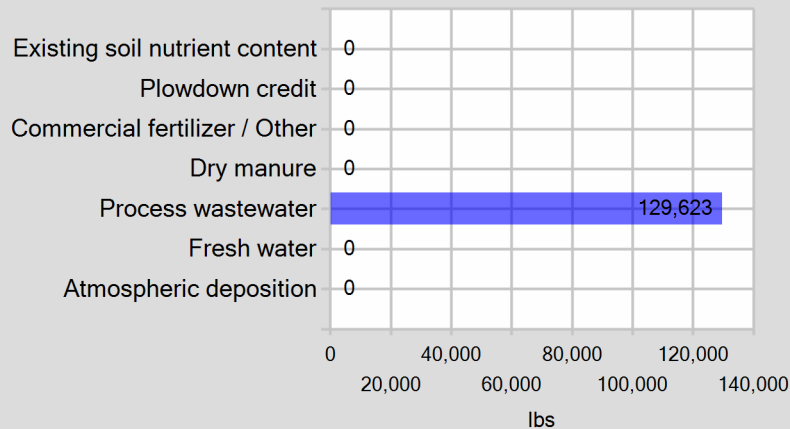
Pounds of nitrogen applied



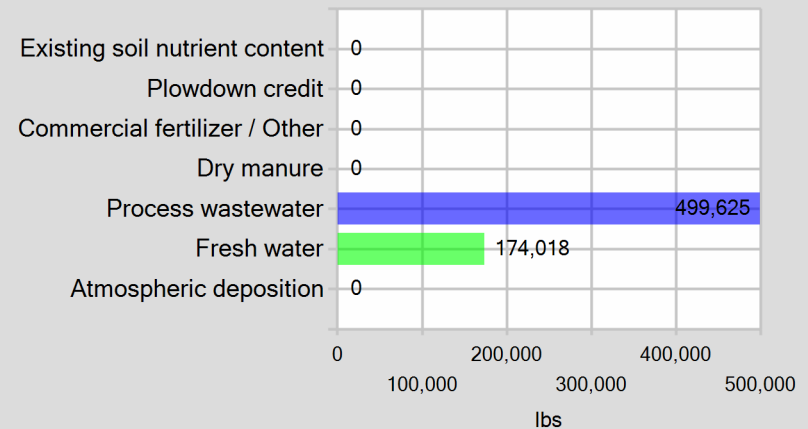
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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

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

EXCEPTION REPORTING

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

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

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

B. STORM WATER DISCHARGES

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

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

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

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period? Yes

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

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

B. EXPORT AGREEMENT STATEMENT

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

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

ADDITIONAL NOTES

A. NOTES

No notes entered for this annual report.

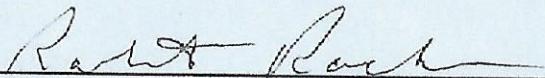
Annual Report - General Order No. R5-2007-0035

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

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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



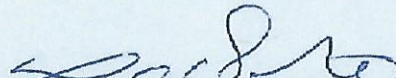
SIGNATURE OF OWNER OF FACILITY

Robert Rocha

PRINT OR TYPE NAME

7-1-24

DATE



SIGNATURE OF OPERATOR OF FACILITY

Danny Sozinho

PRINT OR TYPE NAME

7-1-24

DATE

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

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

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFa Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed .

Manure/Process Wastewater Tracking Manifests

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

Storm Water Monitoring

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

Report of Dairy Well Water Analysis

R & R Farms - Hanford

10795 6th Avenue

Hanford CA 93230

00-0019288 08

E-mail: martyverhoeven@gmail.com

Copy To:

Lab No.: 23L0351

Sampled By: Pamela Verhoeven

Requested By: Marty Verhoeven

Submitted Date: 12/07/23

Reported Date: 12/11/23

Project:

Crop ID:

		Date	Time	EC	EC	NO ₃ -N	Field	Total	pH
		Sampled	Sampled	μmhos/cm	mmhos/cm	mg/L	NH ₄ -N	NH ₄ -N	at 25°C
							mg/L	mg/L	unit
1	Dom 1 (Valve@Well)	12/06/23	10:05	420	0.42	2.1	*		8.1
2	Philips 2 (Standpipe)	12/06/23	10:00	310	0.31	ND	*		8.7

* = Field NH₄-N not Taken.

ND = None Detected

Approved By: Scott McFriedland
Laboratory Director/Technical Manager
ELAP Certification #1595
A2LA Certification #6440.02



12/07/23 06:45

23L0351

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WATER WORK REQUEST

 Bill To: Acct No. 19288 Cons. 08

Purchase Order No. _____ Results Needed By _____

 Client R & R Farms
 Address 10795 6th Avenue
 City, State, Zip Hanford, CA
 Email: _____
Copy to: martyverhoeven@gmail.comRequested by/Cell: Marty Verhoeven

Facility: _____

Date sampled 12-6-23Sampled by Donna Verhoeven
☒ QA/QC Document
 ☒ Copy of Chain
 ☐ RWQCB

DESCRIPTION OF SAMPLES

1. <u>Don 1</u>	Sampled From: <u>Valve @ well</u>
2. <u>Phillips 2</u>	Sampled From: <u>Standpipe</u>
3.	Sampled From: _____
4.	Sampled From: _____
5.	Sampled From: _____
6.	Sampled From: _____
7.	Sampled From: _____
8.	Sampled From: _____
9.	Sampled From: _____
10.	Sampled From: _____

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728

www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

 No. of Samples 2 No. Bottles 2
 Water Type: ☐ Drinking ☒ Wastewater
☐ Ag Water ☒ Ground Water ☐ Mon. Well
☐ Supply Water ☐ Other _____

Analysis and Bottles Required: (Please Indicate Analysis)

- ☒ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
 (1) 1 L plastic, unpreserved (white)
- ☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
 (1) 1 L plastic, unpreserved (white)
- ☐ DCW1: (EC, NO₃-N, TDS)
 (1) 1 L plastic, unpreserved (white)
- ☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
 (1) 1 L plastic, unpreserved (white)
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
 (1) 1 L plastic, unpreserved (white)

Date Sampled	Time Sampled	Field NH ₄ -N (mg/L)	Received Temp °C
12-6-23	10:05		2.4
12-6-23	10:00		1.1
IR Thermometer SN: 200560723 Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Laboratory			
IR Thermometer SN: 221511276 Correction Factor: 0°C Calibration Due: 12/22/2023 Location: Hanford			

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>[Signature]</u>	<u>VDEC</u>	<u>12-6-23 10:00</u>	<u>12/6/23 3:10</u>
Second	<u>[Signature]</u>	<u>DLI</u>	<u>12/6/23 3:10</u>	<u>12/6/23 3:10</u>
Third				
Fourth	<u>[Signature]</u>	<u>DLI</u>	<u>12/7 06:45</u>	

I guarantee that as the client, or on behalf of the client, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. I am not responsible for any damage to samples or equipment. I am not responsible for any damage to equipment or equipment. If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (call). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through call under its Rules and Procedures. The parties will equally bear the costs of mediation or arbitration. If, however, the mediator declares that no legitimate dispute exists, then either will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

Invoicing Information:

Price List 2022

Sampling Hrs	Miles	Consulting	Shipping
			\$ _____ In
			\$ _____ Out
Amt Paid	Rec By	Check No.	Date

 Signature _____
 Sample received in cooler with ice?
☐ Yes ☐ No