

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: Coelho Farms Dairy, Inc.

Physical address of dairy:

21656 S Cornelia AVE

Number and Street

Riverdale

Fresno

93656

City

County

Zip Code

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

Date facility was originally placed in operation: 01/01/1970

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0001-0001-0001-0000

B. OPERATORS

Coelho, Joe

Operator name: Coelho, Joe

Telephone no.: (559) 867-3400 (559) 696-8201

Landline Cellular

21656 S Cornelia AVE

Riverdale

CA

93656

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Coelho, Joe

Legal owner name: Coelho, Joe

Telephone no.: (559) 867-3400 (559) 696-8201

Landline Cellular

21656 S Cornelia AVE

Riverdale

CA

93656

Mailing Address Number and Street

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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	0	0	3	0	0
Number under roof	0	0	0	0	0	0
Maximum number	0	0	0	3	0	0
Average number	0	0	0	3	0	0
Avg live weight (lbs)	0	0	0	800		

Predominant milk cow breed: Holstein

Average milk production: 1 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 29.39 tons per reporting period

Total nitrogen from manure: 284.70 lbs per reporting period

After ammonia losses (30% loss applied): 199.29 lbs per reporting period

Total phosphorus from manure: 48.18 lbs per reporting period

Total potassium from manure: 1.00 lbs per reporting period

Total salt from manure: 0.00 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: _____ gallons

Total nitrogen generated: _____ lbs

Total phosphorus generated: _____ lbs

Total potassium generated: _____ lbs

Total salt generated: _____ lbs

0 gallons applied
+ 0 gallons exported
- 0 gallons imported
= 0 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
Canal 1	Surface water
Canal 2	Surface water

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E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

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
Site 401	70	70	1	none	0053-0200-010S-0000
Site 402	75	75	1	none	0053-0200-010S-0000
Site 403	40	40	1	none	0053-0150-011S-0000
Site 404	25	25	1	none	0053-0150-011S-0000
Site 405	30	30	1	none	0053-0150-011S-0000
Site 406	12	12	1	none	0053-0150-011S-0000
Site 407	35	35	1	none	0053-0150-011S-0000
Site 4079	70	70	1	none	0053-0150-010S-0000
Site 408	65	65	1	none	0053-0110-001S-0000
Site 4080 (4080 & 4081)	74	74	1	none	0053-0150-010S-0000
Site 4081 (4083 & 4084NW)	56	56	1	none	0053-0150-010S-0000
Site 4082	75	75	1	none	0053-0150-010S-0000
Site 4084 (4084SE)	14	14	1	none	0053-0150-010S-0000
Site 4085	77	77	1	none	0053-0100-026S-0000 0053-0100-032S-0000
Site 4086	77	77	1	none	0053-0100-0054-0000
Site 409	65	65	1	none	0053-0110-001S-0000
Site 410	7	7	1	none	0053-0110-003S-0000
Site 411	30	30	1	none	0053-0110-003S-0000
Site 412	60	60	1	none	0053-0160-001S-0000
Site 413	20	20	1	none	0053-0160-001S-0000
Site 414	65	65	1	none	0053-0110-009S-0000
Site 415	58	58	1	none	0053-0110-009S-0000
Site 416	23	23	1	none	0053-0110-009S-0000
Site 417	145	145	1	none	0053-0110-0014-0000 0053-0110-054S-0000 0053-0110-076S-0000
Site 418	80	80	1	none	0053-0160-014S-0000
Site 419	57	57	1	none	0053-0110-017S-0000
Site 420	23	23	1	none	0053-0110-017S-0000
Site 421	30	30	1	none	0053-0110-001S-0000
Site 422	80	80	1	none	0053-0160-001S-0000
Site 423	58	58	1	none	0053-0110-001S-0000
Site 424	30	30	1	none	0053-0110-001S-0000

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Totals for areas that were used for application						
Totals for areas that were not used for application	1,626	1,626	31			
Land application area totals	1,626	1,626	31			

B. CROPS AND HARVESTS**Site 401**

Field name: Site 401

12/05/2021: Pistachio

Crop: Pistachio Acres planted: 70 Plant date: 12/05/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00
		Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)			
Anticipated harvest content		0.10	13.10	2.00	10.00	0.00			
Total actual harvest content		0.10	5.98	3.90	5.20	11.70			

Site 402

Field name: Site 402

12/06/2021: Pistachio

Crop: Pistachio Acres planted: 75 Plant date: 12/06/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.50 ton	Dry-weight		25.0	46,000.00	30,000.00	40,000.00		9.00
		Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)			
Anticipated harvest content		0.10	13.10	2.00	10.00	0.00			
Total actual harvest content		0.10	6.90	4.50	6.00	13.50			

Site 403

Field name: Site 403

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Site 403

12/07/2021: Pistachio

Crop: Pistachio Acres planted: 40 Plant date: 12/07/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	4.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 404

Field name: Site 404

12/08/2021: Pistachio

Crop: Pistachio Acres planted: 25 Plant date: 12/08/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	2.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 405

Field name: Site 405

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Site 405

12/09/2021: Pistachio

Crop: Pistachio Acres planted: 30 Plant date: 12/09/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 406

Field name: Site 406

12/09/2021: Pistachio

Crop: Pistachio Acres planted: 12 Plant date: 12/09/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	1.20 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 407

Field name: Site 407

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Site 407

12/10/2021: Pistachio

Crop: Pistachio Acres planted: 35 Plant date: 12/10/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4079

Field name: Site 4079

12/11/2021: Pistachio

Crop: Pistachio Acres planted: 70 Plant date: 12/11/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 408

Field name: Site 408

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Site 408

12/12/2021: Pistachio

Crop: Pistachio Acres planted: 65 Plant date: 12/12/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	6.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4080 (4080 & 4081)

Field name: Site 4080 (4080 & 4081)

12/13/2021: Pistachio

Crop: Pistachio Acres planted: 74 Plant date: 12/13/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.40 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4081 (4083 & 4084NW)

Field name: Site 4081 (4083 & 4084NW)

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Site 4081 (4083 & 4084NW)

12/13/2021: Pistachio

Crop: Pistachio

Acres planted: 56 Plant date: 12/13/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	5.60 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)

Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4082

Field name: Site 4082

12/14/2021: Pistachio

Crop: Pistachio

Acres planted: 75 Plant date: 12/14/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)

Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4084 (4084SE)

Field name: Site 4084 (4084SE)

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Site 4084 (4084SE)

12/14/2021: Pistachio

Crop: Pistachio

Acres planted: 14 Plant date: 12/14/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	1.40 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4085

Field name: Site 4085

12/15/2021: Pistachio

Crop: Pistachio

Acres planted: 77 Plant date: 12/15/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.70 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 4086

Field name: Site 4086

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Site 4086

12/16/2021: Pistachio

Crop: Pistachio Acres planted: 77 Plant date: 12/16/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	7.70 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 409

Field name: Site 409

12/15/2021: Pistachio

Crop: Pistachio Acres planted: 65 Plant date: 12/15/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	6.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 410

Field name: Site 410

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Site 410

12/13/2021: Pistachio

Crop: Pistachio Acres planted: 7 Plant date: 12/13/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	0.70 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 411

Field name: Site 411

12/17/2021: Pistachio

Crop: Pistachio Acres planted: 30 Plant date: 12/17/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 412

Field name: Site 412

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Site 412

12/17/2021: Pistachio

Crop: Pistachio Acres planted: 60 Plant date: 12/17/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	6.00 ton	Dry-weight		35.0	46,000.00	30,000.00	4,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	0.52	11.70

Site 413

Field name: Site 413

12/17/2021: Pistachio

Crop: Pistachio Acres planted: 20 Plant date: 12/17/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	2.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 414

Field name: Site 414

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Site 414

12/17/2021: Pistachio

Crop: Pistachio Acres planted: 65 Plant date: 12/17/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	6.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 415

Field name: Site 415

12/18/2021: Pistachio

Crop: Pistachio Acres planted: 58 Plant date: 12/18/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	5.80 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 416

Field name: Site 416

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Site 416

12/18/2021: Pistachio

Crop: Pistachio Acres planted: 23 Plant date: 12/18/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	2.30 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 417

Field name: Site 417

12/19/2021: Pistachio

Crop: Pistachio Acres planted: 145 Plant date: 12/19/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	14.50 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 418

Field name: Site 418

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

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

Site 418

12/20/2021: Pistachio

Crop: Pistachio Acres planted: 80 Plant date: 12/20/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	8.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 419

Field name: Site 419

12/20/2021: Pistachio

Crop: Pistachio Acres planted: 57 Plant date: 12/20/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	5.70 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 420

Field name: Site 420

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

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

Site 420

12/21/2021: Pistachio

Crop: Pistachio Acres planted: 23 Plant date: 12/21/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	2.30 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 421

Field name: Site 421

12/20/2021: Pistachio

Crop: Pistachio Acres planted: 30 Plant date: 12/20/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 422

Field name: Site 422

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

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

Site 422

12/22/2021: Pistachio

Crop: Pistachio Acres planted: 80 Plant date: 12/22/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	8.00 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 423

Field name: Site 423

12/22/2021: Pistachio

Crop: Pistachio Acres planted: 58 Plant date: 12/22/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	5.80 ton	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

Site 424

Field name: Site 424

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

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

Site 424

12/22/2021: Pistachio

Crop: Pistachio Acres planted: 30 Plant date: 12/22/2021

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/15/2023	3.00 <i>ton</i>	Dry-weight		35.0	46,000.00	30,000.00	40,000.00		9.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	0.10	13.10	2.00	10.00	0.00
Total actual harvest content	0.10	5.98	3.90	5.20	11.70

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NUTRIENT BUDGET**A. LAND APPLICATIONS**

Site 401 - 12/05/2021: Pistachio

Field name: Site 401

Crop: Pistachio

Plant date: 12/05/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal 1	Surface water	0.00	0.00	0.00	103.00	27,000,000.00 gal
Application event totals		0.00	0.00	0.00	103.00	

Site 402 - 12/06/2021: Pistachio

Field name: Site 402

Crop: Pistachio

Plant date: 12/06/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal 1	Surface water	0.00	0.00	0.00	107.88	30,300,000.00 gal
Application event totals		0.00	0.00	0.00	107.88	

Site 403 - 12/07/2021: Pistachio

Field name: Site 403

Crop: Pistachio

Plant date: 12/07/2021

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

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

Site 403 - 12/07/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal 1	Surface water	0.00	0.00	0.00	106.82	16,000,000.00 gal
Application event totals		0.00	0.00	0.00	106.82	

Site 404 - 12/08/2021: PistachioField name: Site 404Crop: PistachioPlant date: 12/08/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	101.48	9,500,000.00 gal
Application event totals		0.00	0.00	0.00	101.48	

Site 405 - 12/09/2021: PistachioField name: Site 405Crop: PistachioPlant date: 12/09/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal 1	Surface water	0.00	0.00	0.00	106.82	12,000,000.00 gal
Application event totals		0.00	0.00	0.00	106.82	

Site 406 - 12/09/2021: PistachioField name: Site 406Crop: PistachioPlant date: 12/09/2021

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

Site 406 - 12/09/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
03/01/2023	Broadcast/incorporate	No precipitation	No precipitation		No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)
Canal 1	Surface water	0.00	0.00	0.00	105.70
Application event totals		0.00	0.00	0.00	105.70
					4,750,000.00 gal

Site 407 - 12/10/2021: PistachioField name: Site 407Crop: PistachioPlant date: 12/10/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	103.00
Application event totals		0.00	0.00	0.00	103.00
					13,500,000.00 gal

Site 4079 - 12/11/2021: PistachioField name: Site 4079Crop: PistachioPlant date: 12/11/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	103.00
Application event totals		0.00	0.00	0.00	103.00
					27,000,000.00 gal

Site 408 - 12/12/2021: PistachioField name: Site 408Crop: PistachioPlant date: 12/12/2021

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

Site 408 - 12/12/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	101.48	24,700,000.00 gal
Application event totals		0.00	0.00	0.00	101.48	

Site 4080 (4080 & 4081) - 12/13/2021: Pistachio

Field name: Site 4080 (4080 & 4081)

Crop: Pistachio

Plant date: 12/13/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	108.26	30,000,000.00 gal
Application event totals		0.00	0.00	0.00	108.26	

Site 4081 (4083 & 4084NW) - 12/13/2021: Pistachio

Field name: Site 4081 (4083 & 4084NW)

Crop: Pistachio

Plant date: 12/13/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	106.34	22,300,000.00 gal
Application event totals		0.00	0.00	0.00	106.34	

Site 4082 - 12/14/2021: Pistachio

Field name: Site 4082

Crop: Pistachio

Plant date: 12/14/2021

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

Site 4082 - 12/14/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	107.88	30,300,000.00 gal
Application event totals		0.00	0.00	0.00	107.88	

Site 4084 (4084SE) - 12/14/2021: PistachioField name: Site 4084 (4084SE)Crop: PistachioPlant date: 12/14/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	86.01	5,550,000.00 gal
Application event totals		0.00	0.00	0.00	86.01	

Site 4085 - 12/15/2021: PistachioField name: Site 4085Crop: PistachioPlant date: 12/15/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	84.53	30,000,000.00 gal
Application event totals		0.00	0.00	0.00	84.53	

Site 4086 - 12/16/2021: PistachioField name: Site 4086Crop: PistachioPlant date: 12/16/2021

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

Site 4086 - 12/16/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	87.35	31,000,000.00 gal
Application event totals		0.00	0.00	0.00	87.35	

Site 409 - 12/15/2021: PistachioField name: Site 409Crop: PistachioPlant date: 12/15/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	82.62	24,750,000.00 gal
Application event totals		0.00	0.00	0.00	82.62	

Site 410 - 12/13/2021: PistachioField name: Site 410Crop: PistachioPlant date: 12/13/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	88.34	2,850,000.00 gal
Application event totals		0.00	0.00	0.00	88.34	

Site 411 - 12/17/2021: PistachioField name: Site 411Crop: PistachioPlant date: 12/17/2021

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

Site 411 - 12/17/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	87.51	12,100,000.00 gal
Application event totals		0.00	0.00	0.00	87.51	

Site 412 - 12/17/2021: Pistachio

Field name:	Site 412	Plant date:	12/17/2021			
Crop:	Pistachio					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	86.79	24,000,000.00 gal
Application event totals		0.00	0.00	0.00	86.79	

Site 413 - 12/17/2021: Pistachio

Field name:	Site 413	Plant date:	12/17/2021			
Crop:	Pistachio					
Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	86.52	7,975,000.00 gal
Application event totals		0.00	0.00	0.00	86.52	

Site 414 - 12/17/2021: Pistachio

Field name:	Site 414	Plant date:	12/17/2021
Crop:	Pistachio		

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

Site 414 - 12/17/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	83.45	25,000,000.00 gal
Application event totals		0.00	0.00	0.00	83.45	

Site 415 - 12/18/2021: PistachioField name: Site 415Crop: PistachioPlant date: 12/18/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	86.04	23,000,000.00 gal
Application event totals		0.00	0.00	0.00	86.04	

Site 416 - 12/18/2021: PistachioField name: Site 416Crop: PistachioPlant date: 12/18/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	84.90	9,000,000.00 gal
Application event totals		0.00	0.00	0.00	84.90	

Site 417 - 12/19/2021: PistachioField name: Site 417Crop: PistachioPlant date: 12/19/2021

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

Site 417 - 12/19/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 2	Surface water	0.00	0.00	0.00	86.79	58,000,000.00 gal
Application event totals		0.00	0.00	0.00	86.79	

Site 418 - 12/20/2021: PistachioField name: Site 418Crop: PistachioPlant date: 12/20/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	106.82	32,000,000.00 gal
Application event totals		0.00	0.00	0.00	106.82	

Site 419 - 12/20/2021: PistachioField name: Site 419Crop: PistachioPlant date: 12/20/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
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
Canal 1	Surface water	0.00	0.00	0.00	103.07	22,000,000.00 gal
Application event totals		0.00	0.00	0.00	103.07	

Site 420 - 12/21/2021: PistachioField name: Site 420Crop: PistachioPlant date: 12/21/2021

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

Site 420 - 12/21/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	107.98
Application event totals		0.00	0.00	0.00	107.98
					9,300,000.00 gal

Site 421 - 12/20/2021: PistachioField name: Site 421Crop: PistachioPlant date: 12/20/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	106.82
Application event totals		0.00	0.00	0.00	106.82
					12,000,000.00 gal

Site 422 - 12/22/2021: PistachioField name: Site 422Crop: PistachioPlant date: 12/22/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	106.82
Application event totals		0.00	0.00	0.00	106.82
					32,000,000.00 gal

Site 423 - 12/22/2021: PistachioField name: Site 423Crop: PistachioPlant date: 12/22/2021

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

Site 423 - 12/22/2021: Pistachio

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	105.90
Application event totals		0.00	0.00	0.00	105.90
					Amount

Site 424 - 12/22/2021: Pistachio

Field name: Site 424

Crop: Pistachio

Plant date: 12/22/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following
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)
Canal 1	Surface water	0.00	0.00	0.00	106.82
Application event totals		0.00	0.00	0.00	106.82
					Amount

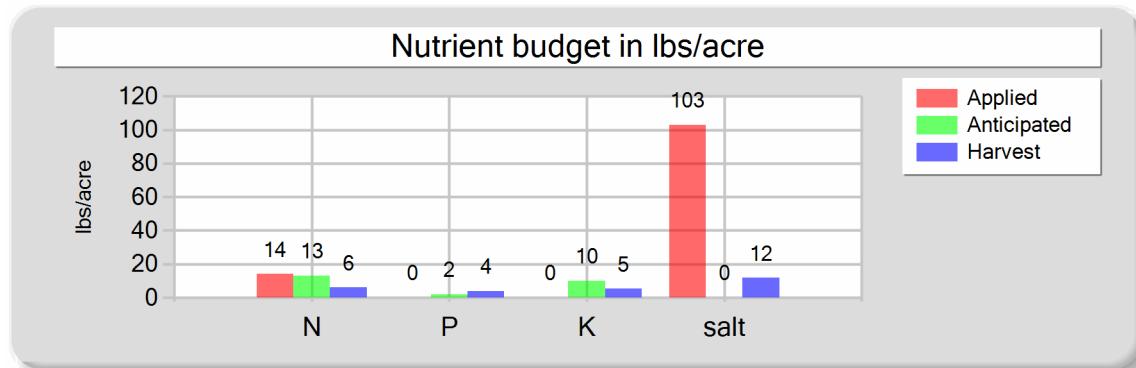
Annual Report - General Order No. R5-2007-0035

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

B. NUTRIENT BUDGET

Site 401 - 12/05/2021: Pistachio

Field name: Site 401 Crop: Pistachio Plant date: 12/05/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	103.00
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	103.00
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	91.30
Applied to removed ratio	2.34	0.00	0.00	8.80

Fresh water applied
27,000,000.00 gallons
994.32 acre-inches
14.20 inches/acre
Process wastewater applied
0.00 gallons
0.00 acre-inches
0.00 inches/acre
Total harvests for the crop
1 harvests

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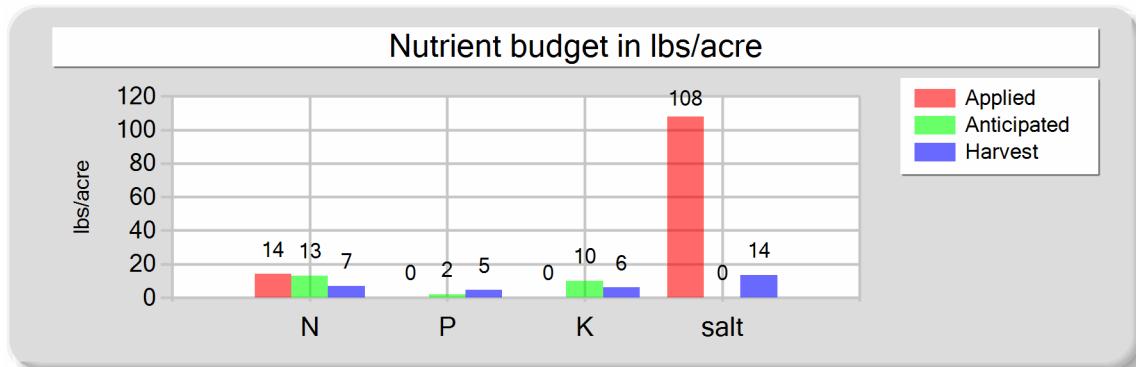
Reporting period 01/01/2023 to 12/31/2023.

Site 402 - 12/06/2021: Pistachio

Field name: Site 402

Crop: Pistachio

Plant date: 12/06/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	107.88
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	107.88
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	6.90	4.50	6.00	13.50
Nutrient balance	7.10	-4.50	-6.00	94.38
Applied to removed ratio	2.03	0.00	0.00	7.99

Fresh water applied

30,300,000.00 gallons
1,115.85 acre-inches
14.88 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

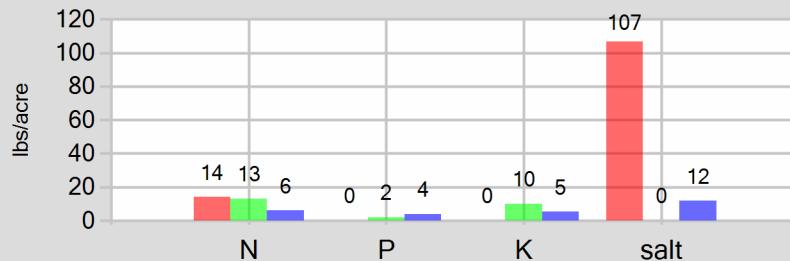
Site 403 - 12/07/2021: Pistachio

Field name: Site 403

Crop: Pistachio

Plant date: 12/07/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.82
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.82
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	95.12
Applied to removed ratio	2.34	0.00	0.00	9.13

Fresh water applied

16,000,000.00 gallons
589.23 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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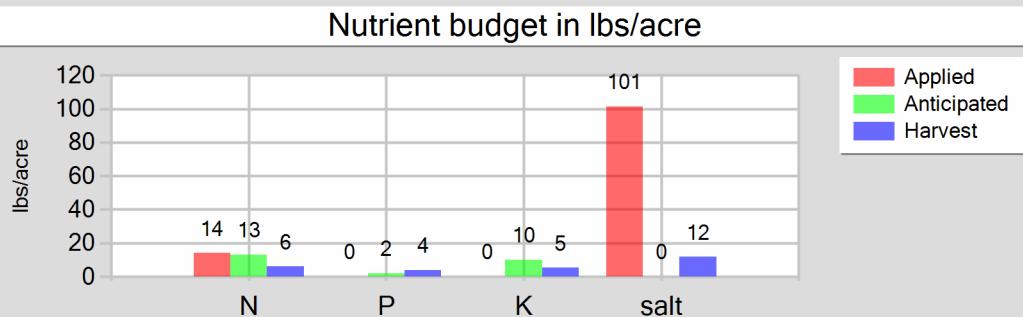
Reporting period 01/01/2023 to 12/31/2023.

Site 404 - 12/08/2021: Pistachio

Field name: Site 404

Crop: Pistachio

Plant date: 12/08/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	101.48
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	101.48
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	89.78
Applied to removed ratio	2.34	0.00	0.00	8.67

Fresh water applied

9,500,000.00 gallons
349.85 acre-inches
13.99 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

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

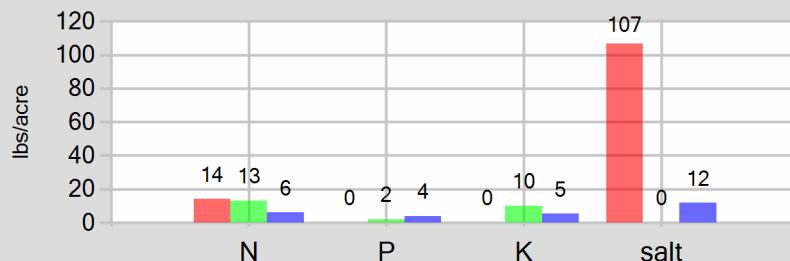
Site 405 - 12/09/2021: Pistachio

Field name: Site 405

Crop: Pistachio

Plant date: 12/09/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.82
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.82
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	95.12
Applied to removed ratio	2.34	0.00	0.00	9.13

Fresh water applied

12,000,000.00 gallons
441.92 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

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

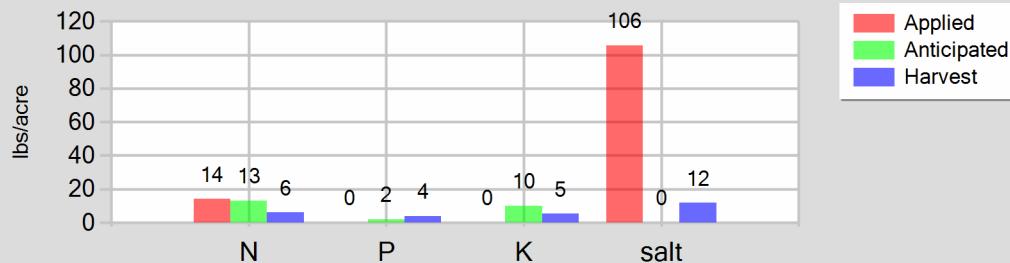
Site 406 - 12/09/2021: Pistachio

Field name: Site 406

Crop: Pistachio

Plant date: 12/09/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	105.70
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	105.70
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	94.00
Applied to removed ratio	2.34	0.00	0.00	9.03

Fresh water applied

4,750,000.00 *gallons*
174.93 *acre-inches*
14.58 *inches/acre*

Process wastewater applied

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

Total harvests for the crop

1 *harvests*

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

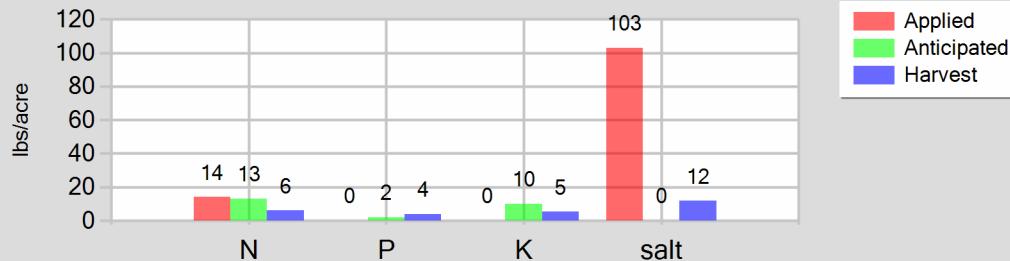
Site 407 - 12/10/2021: Pistachio

Field name: Site 407

Crop: Pistachio

Plant date: 12/10/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	103.00
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	103.00
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	91.30
Applied to removed ratio	2.34	0.00	0.00	8.80

Fresh water applied

13,500,000.00 *gallons*
497.16 *acre-inches*
14.20 *inches/acre*

Process wastewater applied

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

Total harvests for the crop

1 *harvests*

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

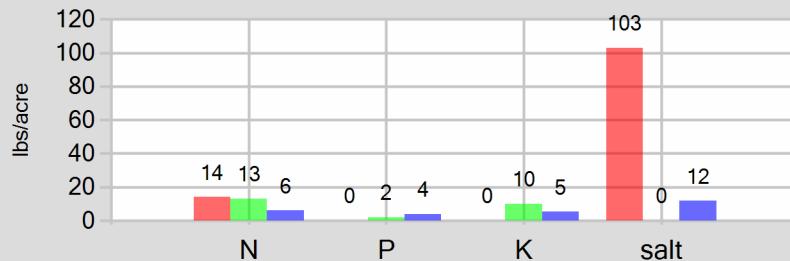
Site 4079 - 12/11/2021: Pistachio

Field name: Site 4079

Crop: Pistachio

Plant date: 12/11/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	103.00
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	103.00
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	91.30
Applied to removed ratio	2.34	0.00	0.00	8.80

Fresh water applied

27,000,000.00 gallons
994.32 acre-inches
14.20 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

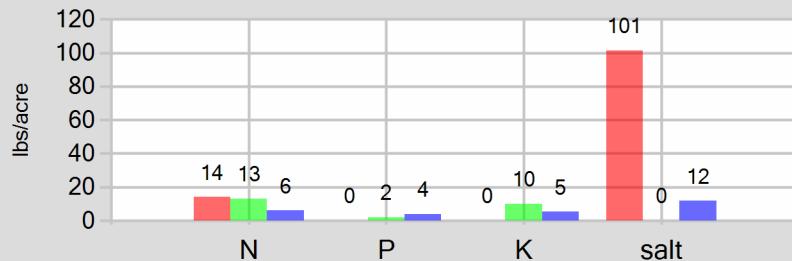
Site 408 - 12/12/2021: Pistachio

Field name: Site 408

Crop: Pistachio

Plant date: 12/12/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	101.48
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	101.48
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	89.78
Applied to removed ratio	2.34	0.00	0.00	8.67

Fresh water applied

24,700,000.00 *gallons*
909.62 *acre-inches*
13.99 *inches/acre*

Process wastewater applied

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

Total harvests for the crop

1 *harvests*

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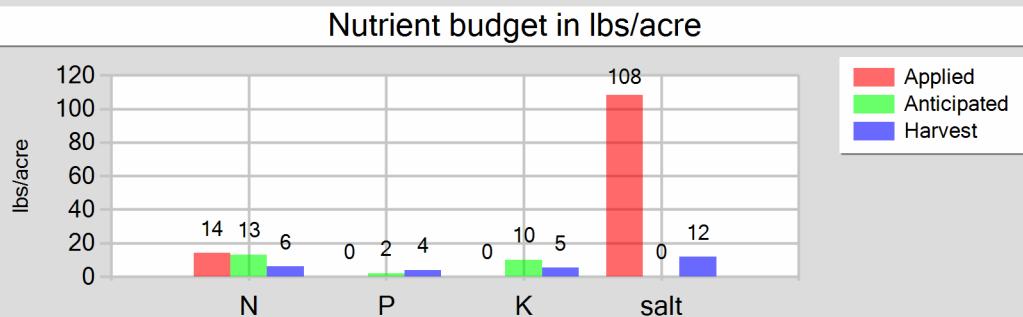
Reporting period 01/01/2023 to 12/31/2023.

Site 4080 (4080 & 4081) - 12/13/2021: Pistachio

Field name: Site 4080 (4080 & 4081)

Crop: Pistachio

Plant date: 12/13/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	108.26
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	108.26
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	96.56
Applied to removed ratio	2.34	0.00	0.00	9.25

Fresh water applied

30,000,000.00 gallons
1,104.80 acre-inches
14.93 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

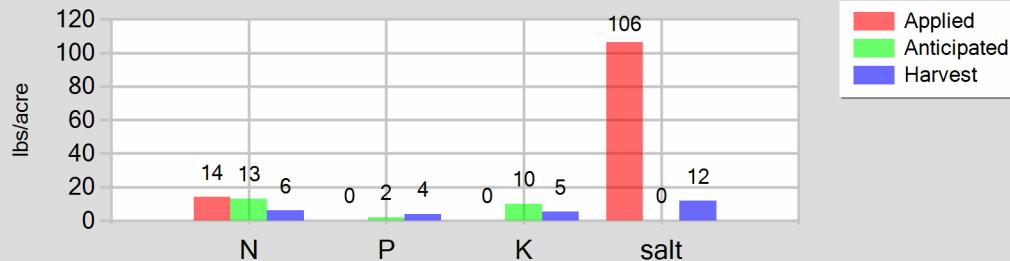
Site 4081 (4083 & 4084NW) - 12/13/2021: Pistachio

Field name: Site 4081 (4083 & 4084NW)

Crop: Pistachio

Plant date: 12/13/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.34
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.34
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	94.64
Applied to removed ratio	2.34	0.00	0.00	9.09

Fresh water applied

22,300,000.00 gallons
821.23 acre-inches
14.66 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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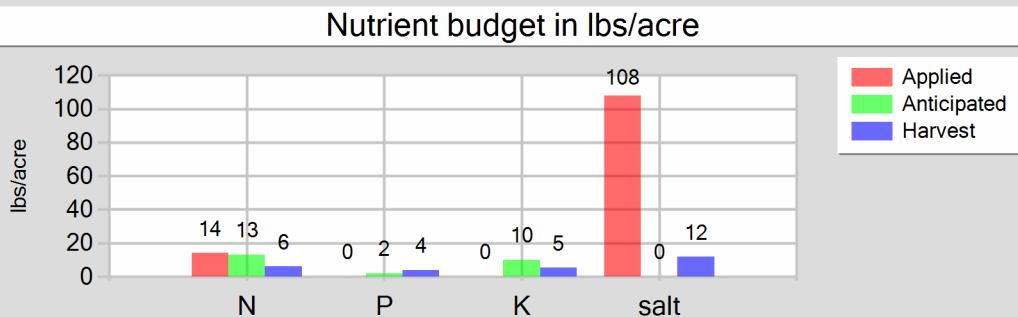
Reporting period 01/01/2023 to 12/31/2023.

Site 4082 - 12/14/2021: Pistachio

Field name: Site 4082

Crop: Pistachio

Plant date: 12/14/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	107.88
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	107.88
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	96.18
Applied to removed ratio	2.34	0.00	0.00	9.22

Fresh water applied

30,300,000.00 gallons
1,115.85 acre-inches
14.88 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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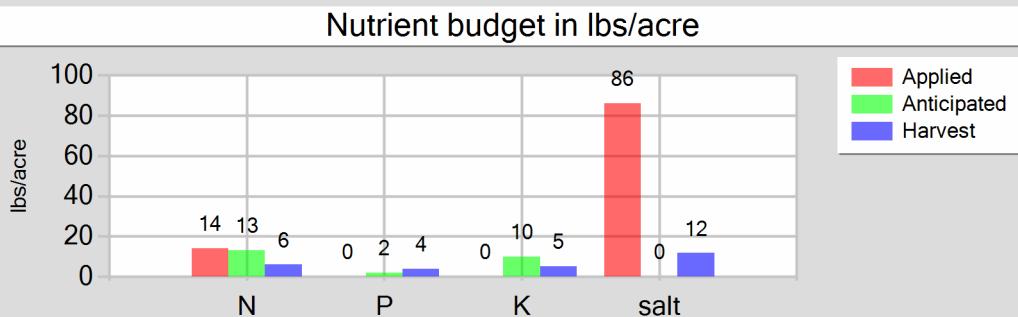
Reporting period 01/01/2023 to 12/31/2023.

Site 4084 (4084SE) - 12/14/2021: Pistachio

Field name: Site 4084 (4084SE)

Crop: Pistachio

Plant date: 12/14/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	86.01
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	86.01
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	74.31
Applied to removed ratio	2.34	0.00	0.00	7.35

Fresh water applied

5,550,000.00 gallons
204.39 acre-inches
14.60 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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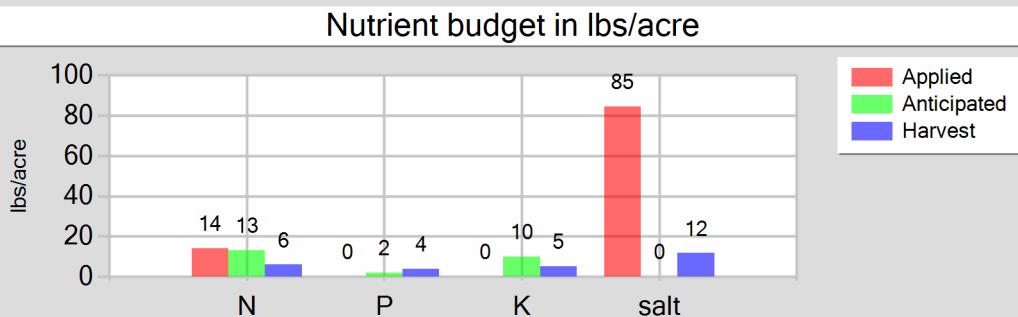
Reporting period 01/01/2023 to 12/31/2023.

Site 4085 - 12/15/2021: Pistachio

Field name: Site 4085

Crop: Pistachio

Plant date: 12/15/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	84.53
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	84.53
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	72.83
Applied to removed ratio	2.34	0.00	0.00	7.23

Fresh water applied

30,000,000.00 gallons
1,104.80 acre-inches
14.35 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

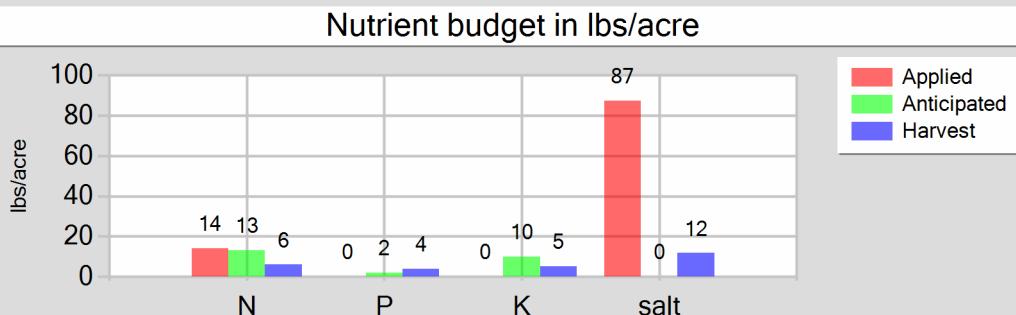
Reporting period 01/01/2023 to 12/31/2023.

Site 4086 - 12/16/2021: Pistachio

Field name: Site 4086

Crop: Pistachio

Plant date: 12/16/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	87.35
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	87.35
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	75.65
Applied to removed ratio	2.34	0.00	0.00	7.47

Fresh water applied

31,000,000.00 gallons
1,141.62 acre-inches
14.83 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

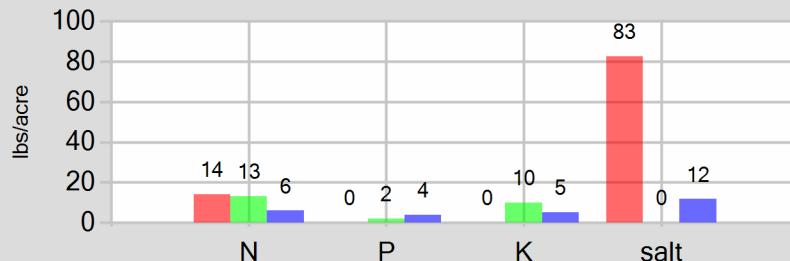
Site 409 - 12/15/2021: Pistachio

Field name: Site 409

Crop: Pistachio

Plant date: 12/15/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	82.62
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	82.62
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	70.92
Applied to removed ratio	2.34	0.00	0.00	7.06

Fresh water applied

24,750,000.00 gallons
911.46 acre-inches
14.02 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

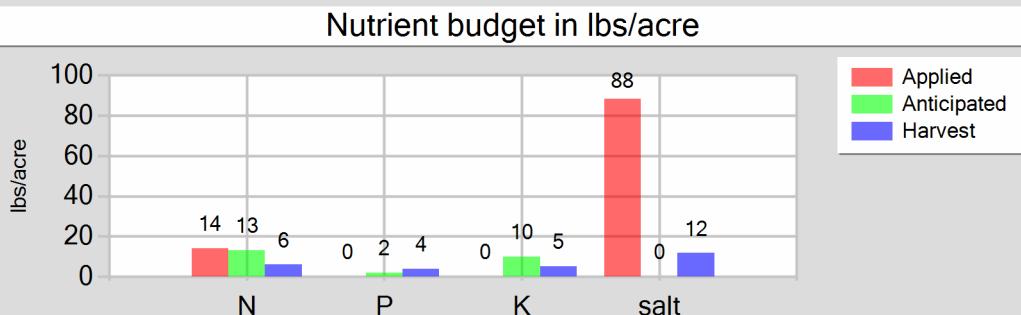
Reporting period 01/01/2023 to 12/31/2023.

Site 410 - 12/13/2021: Pistachio

Field name: Site 410

Crop: Pistachio

Plant date: 12/13/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	88.34
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	88.34
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	76.64
Applied to removed ratio	2.34	0.00	0.00	7.55

Fresh water applied

2,850,000.00 gallons
104.96 acre-inches
14.99 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

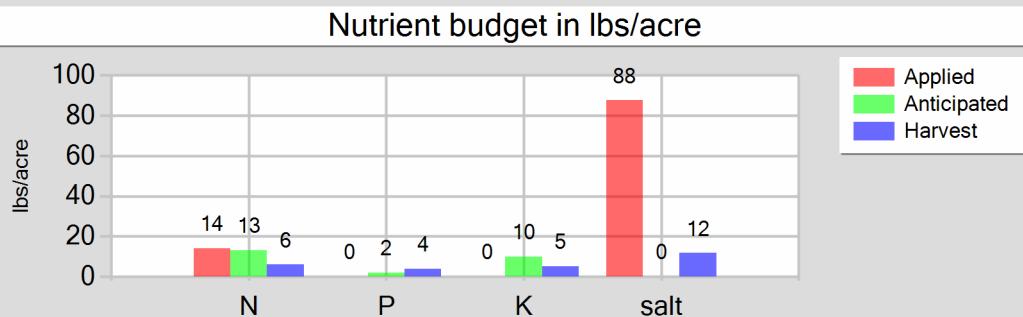
Reporting period 01/01/2023 to 12/31/2023.

Site 411 - 12/17/2021: Pistachio

Field name: Site 411

Crop: Pistachio

Plant date: 12/17/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	87.51
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	87.51
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	75.81
Applied to removed ratio	2.34	0.00	0.00	7.48

Fresh water applied

12,100,000.00 gallons
445.60 acre-inches
14.85 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

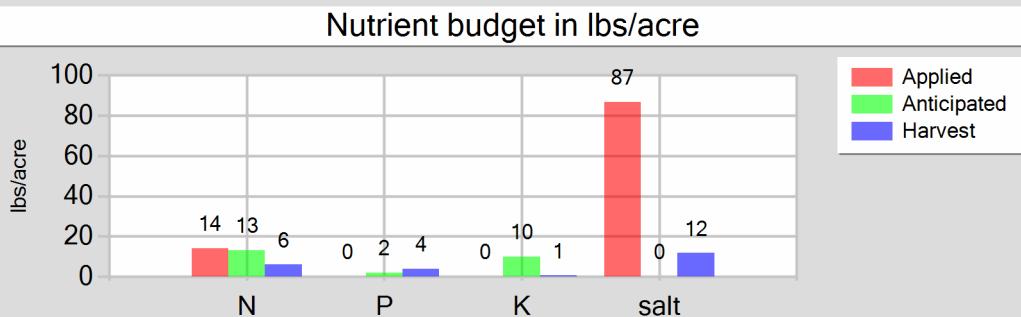
Reporting period 01/01/2023 to 12/31/2023.

Site 412 - 12/17/2021: Pistachio

Field name: Site 412

Crop: Pistachio

Plant date: 12/17/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	24,000,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	883.84 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 inches/acre
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	86.79	
Atmospheric deposition	14.00	0.00	0.00	0.00	
Total nutrients applied	14.00	0.00	0.00	86.79	
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00	
Actual crop nutrient removal	5.98	3.90	0.52	11.70	
Nutrient balance	8.02	-3.90	-0.52	75.09	
Applied to removed ratio	2.34	0.00	0.00	7.42	
Total harvests for the crop					1 harvests

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

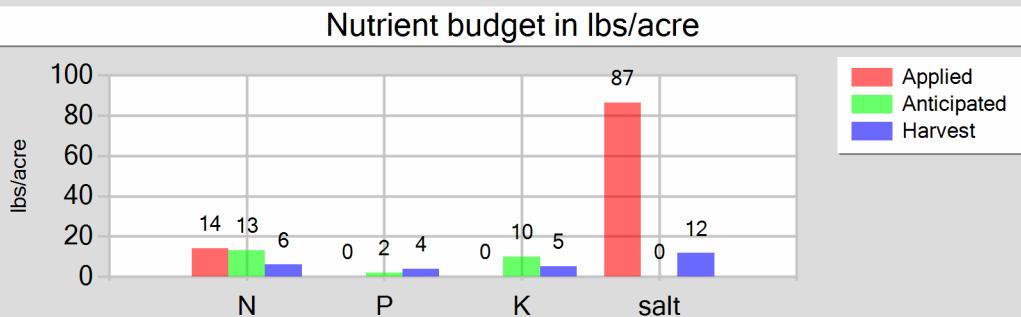
Reporting period 01/01/2023 to 12/31/2023.

Site 413 - 12/17/2021: Pistachio

Field name: Site 413

Crop: Pistachio

Plant date: 12/17/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	86.52
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	86.52
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	74.82
Applied to removed ratio	2.34	0.00	0.00	7.39

Fresh water applied

7,975,000.00 gallons
293.69 acre-inches
14.68 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

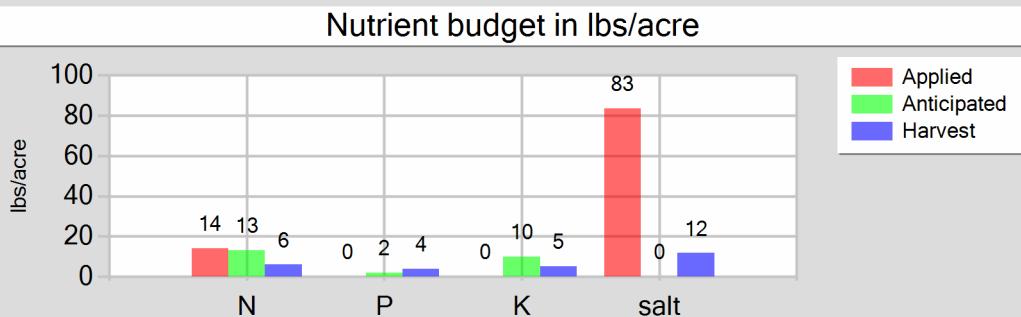
Reporting period 01/01/2023 to 12/31/2023.

Site 414 - 12/17/2021: Pistachio

Field name: Site 414

Crop: Pistachio

Plant date: 12/17/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	83.45
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	83.45
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	71.75
Applied to removed ratio	2.34	0.00	0.00	7.13

Fresh water applied

25,000,000.00 gallons
920.66 acre-inches
14.16 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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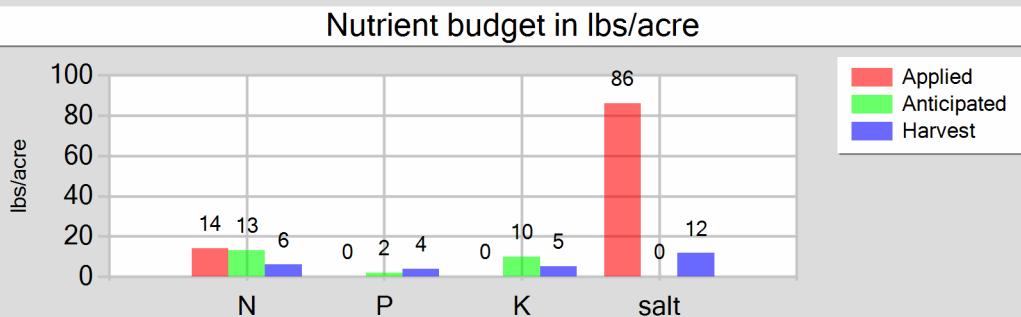
Reporting period 01/01/2023 to 12/31/2023.

Site 415 - 12/18/2021: Pistachio

Field name: Site 415

Crop: Pistachio

Plant date: 12/18/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	86.04
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	86.04
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	74.34
Applied to removed ratio	2.34	0.00	0.00	7.35

Fresh water applied

23,000,000.00 gallons
847.01 acre-inches
14.60 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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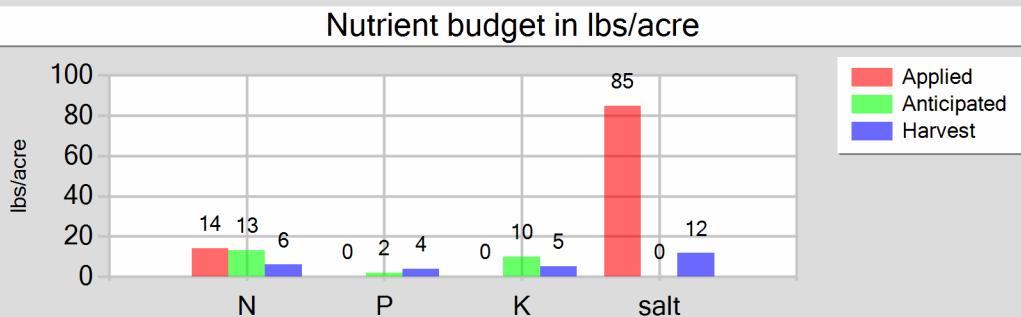
Reporting period 01/01/2023 to 12/31/2023.

Site 416 - 12/18/2021: Pistachio

Field name: Site 416

Crop: Pistachio

Plant date: 12/18/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	84.90
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	84.90
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	73.20
Applied to removed ratio	2.34	0.00	0.00	7.26

Fresh water applied

9,000,000.00 gallons
331.44 acre-inches
14.41 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

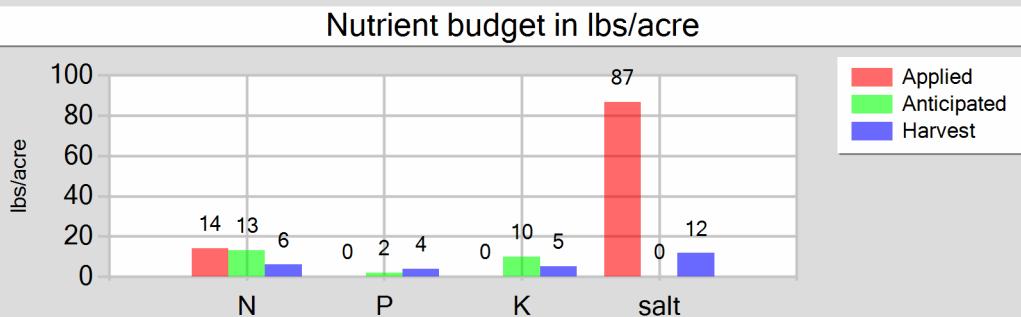
Reporting period 01/01/2023 to 12/31/2023.

Site 417 - 12/19/2021: Pistachio

Field name: Site 417

Crop: Pistachio

Plant date: 12/19/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	86.79
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	86.79
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	75.09
Applied to removed ratio	2.34	0.00	0.00	7.42

Fresh water applied

58,000,000.00 gallons
2,135.94 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

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

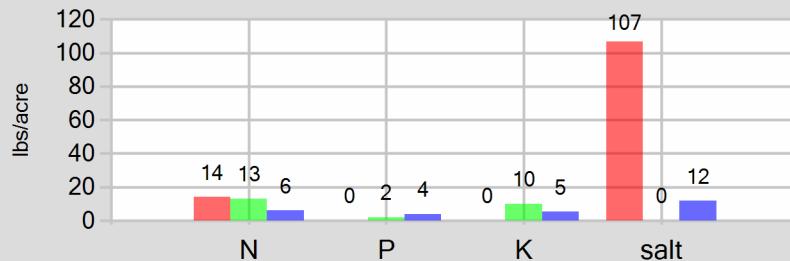
Site 418 - 12/20/2021: Pistachio

Field name: Site 418

Crop: Pistachio

Plant date: 12/20/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.82
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.82
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	95.12
Applied to removed ratio	2.34	0.00	0.00	9.13

Fresh water applied

32,000,000.00 gallons
1,178.45 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

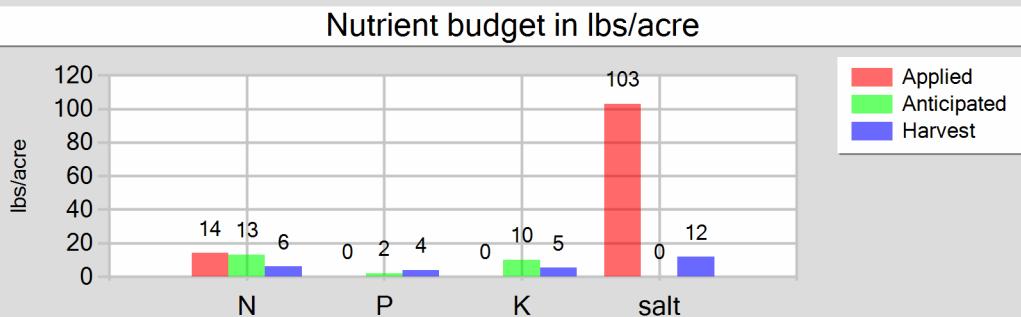
Reporting period 01/01/2023 to 12/31/2023.

Site 419 - 12/20/2021: Pistachio

Field name: Site 419

Crop: Pistachio

Plant date: 12/20/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	103.07
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	103.07
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	91.37
Applied to removed ratio	2.34	0.00	0.00	8.81

Fresh water applied

22,000,000.00 gallons
810.19 acre-inches
14.21 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

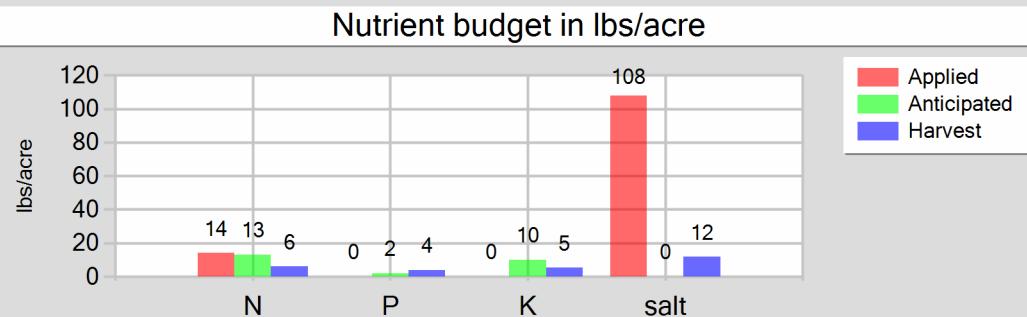
Reporting period 01/01/2023 to 12/31/2023.

Site 420 - 12/21/2021: Pistachio

Field name: Site 420

Crop: Pistachio

Plant date: 12/21/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	107.98
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	107.98
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	96.28
Applied to removed ratio	2.34	0.00	0.00	9.23

Fresh water applied

9,300,000.00 gallons
342.49 acre-inches
14.89 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

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

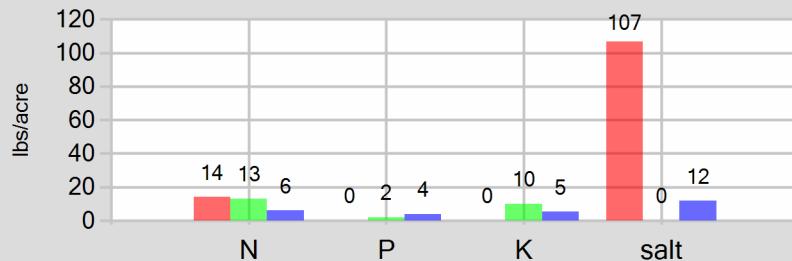
Site 421 - 12/20/2021: Pistachio

Field name: Site 421

Crop: Pistachio

Plant date: 12/20/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.82
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.82
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	95.12
Applied to removed ratio	2.34	0.00	0.00	9.13

Fresh water applied

12,000,000.00 gallons
441.92 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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

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

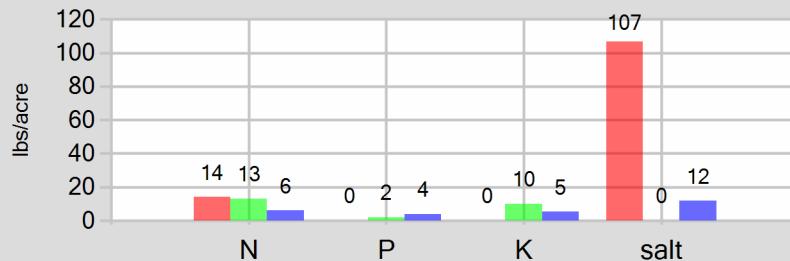
Site 422 - 12/22/2021: Pistachio

Field name: Site 422

Crop: Pistachio

Plant date: 12/22/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.82
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.82
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	95.12
Applied to removed ratio	2.34	0.00	0.00	9.13

Fresh water applied

32,000,000.00 gallons
1,178.45 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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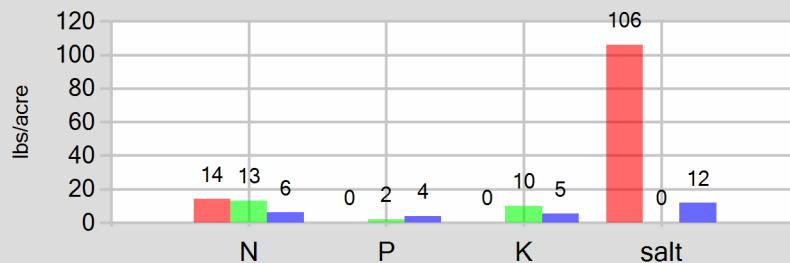
Site 423 - 12/22/2021: Pistachio

Field name: Site 423

Crop: Pistachio

Plant date: 12/22/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	105.90
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	105.90
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	94.20
Applied to removed ratio	2.34	0.00	0.00	9.05

Fresh water applied

23,000,000.00 gallons
847.01 acre-inches
14.60 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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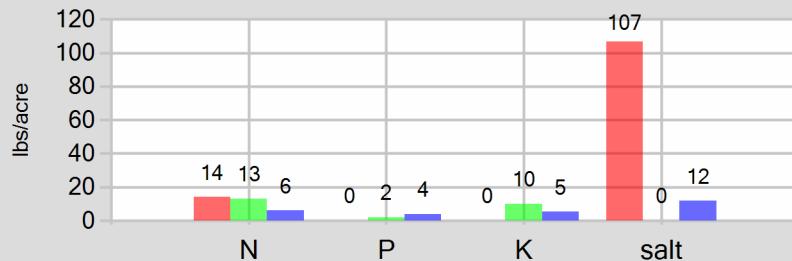
Site 424 - 12/22/2021: Pistachio

Field name: Site 424

Crop: Pistachio

Plant date: 12/22/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	106.82
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	106.82
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00
Actual crop nutrient removal	5.98	3.90	5.20	11.70
Nutrient balance	8.02	-3.90	-5.20	95.12
Applied to removed ratio	2.34	0.00	0.00	9.13

Fresh water applied

12,000,000.00 gallons
441.92 acre-inches
14.73 inches/acre

Process wastewater applied

0.00 gallons
0.00 acre-inches
0.00 inches/acre

Total harvests for the crop

1 harvests

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NUTRIENT ANALYSES**A. MANURE ANALYSES****1st Half**Sample and source description: 1st HalfSample date: 05/24/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 2.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,701.00	6,313.00	19,184.00							78.50
DL	500.00	100.00	200.00							0.67

2nd HalfSample and source description: 2nd HalfSample date: 10/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 6.0 %

	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	19,602.00	7,325.00	25,014.00							47.10
DL	500.00	100.00	200.00							0.67

B. PROCESS WASTEWATER ANALYSES**1QTR**Sample and source description: 1QTRSample date: 03/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.20

	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	430.00	256.20	0.00	0.18	80.20	187.00								3,633.00	2,325
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

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2QTR

Sample and source description: 2QTR

Sample date: 05/24/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.93

	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	430.00	201.60	7.80	0.30	71.90	202.00								3,151.00	2,016
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

3QTR

Sample and source description: 3QTR

Sample date: 08/16/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.38

	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	120.00	111.80	0.00	0.35	41.20	93.00								2,271.00	1,453
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

4QTR

Sample and source description: 4QTR

Sample date: 10/11/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.73

	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	250.00	142.20	3.90	0.44	56.70	141.00								2,600.00	1,664
DL	76.00	2.60	2.60	0.01	0.62	4.30								10.00	19

C. FRESH WATER ANALYSES

Canal 1

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Canal 1**Canal 1**Sample description: Canal 1Sample date: 07/17/2023 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 (μ mhos/cm)	TDS (mg/L)
Value	0.00		0.00								20.00	32
DL	1.00		0.23								1.00	5

Canal 2**Canal 2**Sample description: Canal 2Sample date: 07/17/2023 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 (μ mhos/cm)	TDS (mg/L)
Value	0.00		0.00								21.00	26
DL	1.00		0.23								1.00	5

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

Site 401 - 12/05/2021: Pistachio

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Site 401 - 12/05/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 25.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 402 - 12/06/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 403 - 12/07/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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

Site 404 - 12/08/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 405 - 12/09/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 406 - 12/09/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 407 - 12/10/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 4079 - 12/11/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 408 - 12/12/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 4080 (4080 & 4081) - 12/13/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 4081 (4083 & 4084NW) - 12/13/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 4082 - 12/14/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 4084 (4084SE) - 12/14/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 4085 - 12/15/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	200.00	100.00		0.67

Site 4086 - 12/16/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 409 - 12/15/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 410 - 12/13/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 411 - 12/17/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 412 - 12/17/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	4,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 413 - 12/17/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 414 - 12/17/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 12/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 415 - 12/18/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 416 - 12/18/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 417 - 12/19/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 418 - 12/20/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 419 - 12/20/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 420 - 12/21/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 421 - 12/20/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 422 - 12/22/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

Site 423 - 12/22/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

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Site 424 - 12/22/2021: Pistachio

estimate

Sample and source description: estimate

Sample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weight

Moisture: 35.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	46,000.00	30,000.00	40,000.00		9.00
DL	10.00	100.00	200.00		0.67

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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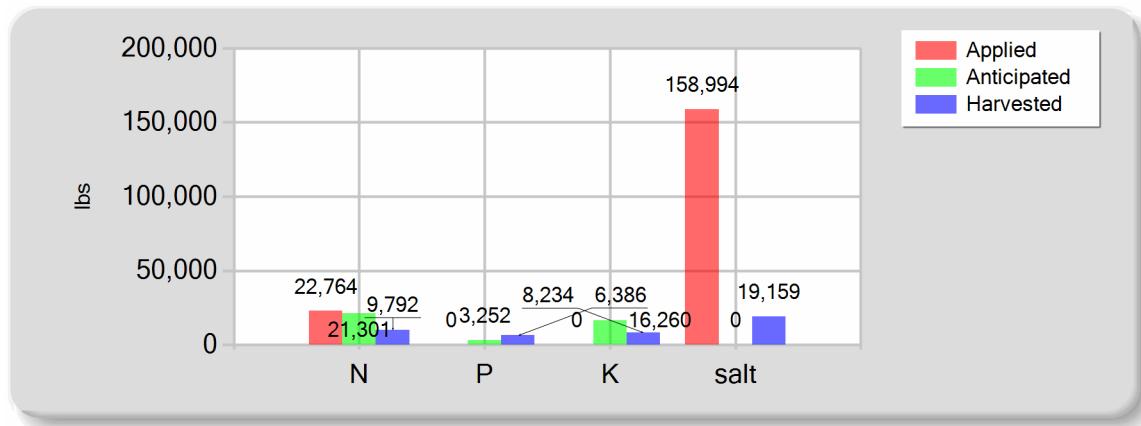
Reporting period 01/01/2023 to 12/31/2023.

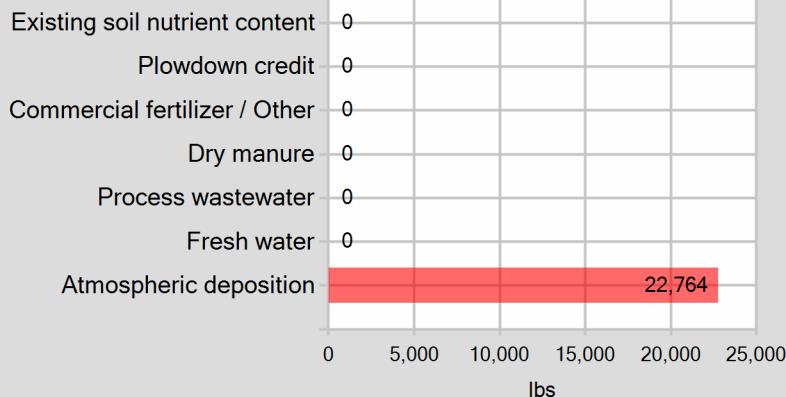
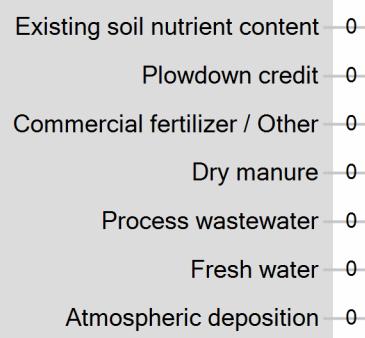
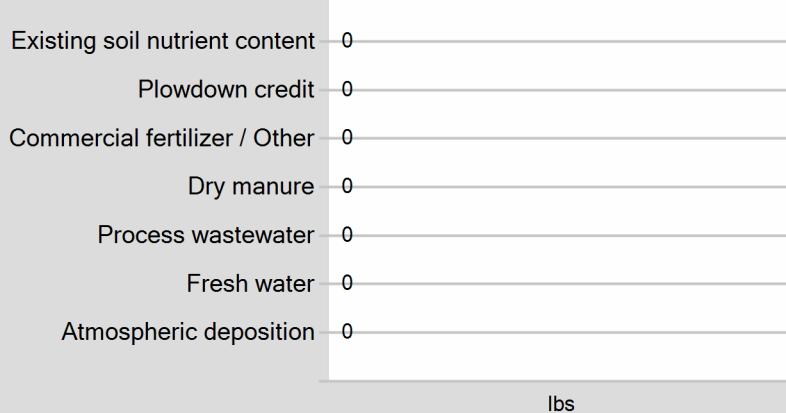
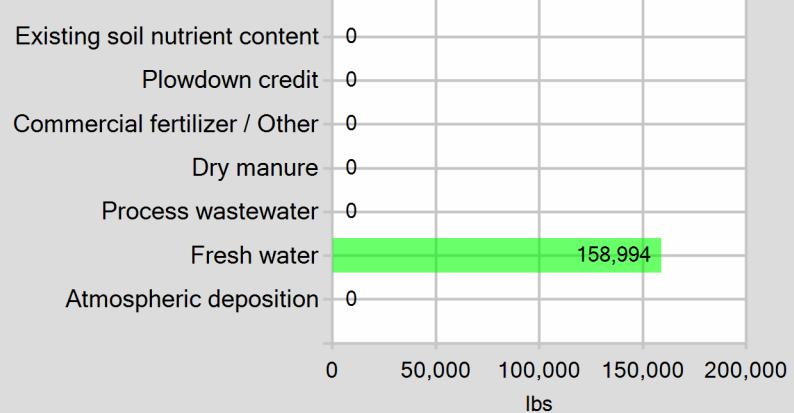
NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

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	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	158,994.36
Atmospheric deposition	22,764.00	0.00	0.00	0.00
Total nutrients applied	22,764.00	0.00	0.00	158,994.36
Anticipated crop nutrient removal	21,300.60	3,252.00	16,260.00	0.00
Actual crop nutrient removal	9,792.48	6,386.40	8,234.40	19,159.20
Nutrient balance	12,971.52	-6,386.40	-8,234.40	139,835.16
Applied to removed ratio	2.32	0.00	0.00	8.30

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**

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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.

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

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

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

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

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

B. EXPORT AGREEMENT STATEMENT

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

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ADDITIONAL NOTES

A. NOTES

This dairy is in process of closing. There are three heifers still on-site. No liquid or dry manure is applied to fields.

The Ag wells were not analyzed this year due to sufficient canal water distributions.

No dry manure was exported.

There is no harvest, due to Pistachios being to young. Applied nutrients are air. The nutrient ratio is high due to trees being to young to have a full harvest. The crop nutrient analysis is estimated, trees to young for a crop. The estimated numbers were gathered from NRCS and FREP UC Davis. Pistachio numbers for P and K are maximum for Merced tool, the NRCS have higher P and K values for nutrient removal.

Since there are no manure nutrient sources, irrigation added as a block irrigation. The canal water has no nutrient content.

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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

Joe Coelho

PRINT OR TYPE NAME

6/26/24

DATE



SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

6/26/24

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.

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.