

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

City

Fresno

County

93656

Zip Code

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

Date facility was originally placed in operation: 01/01/1970Regional 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, JoeTelephone no.: (559) 867-3400(559) 696-8201

Landline

Cellular

21656 S Cornelia AVE

Mailing Address Number and Street

Riverdale

City

CA

State

93656

Zip Code

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

Coelho, Joe

Legal owner name: Coelho, JoeTelephone no.: (559) 867-3400(559) 696-8201

Landline

Cellular

21656 S Cornelia AVE

Mailing Address Number and Street

Riverdale

City

CA

State

93656

Zip Code

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	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: HolsteinAverage milk production: 1 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 29.39 tons per reporting periodTotal nitrogen from manure: 284.70 lbs per reporting periodAfter ammonia losses (30% loss applied): 199.29 lbs per reporting periodTotal phosphorus from manure: 48.18 lbs per reporting periodTotal potassium from manure: 1.00 lbs per reporting periodTotal salt from manure: 0.00 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: gallonsTotal nitrogen generated: lbsTotal phosphorus generated: lbsTotal potassium generated: lbsTotal 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 4079Field 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 408Field 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

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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

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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

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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 <i>gal</i>
Application event totals			0.00	0.00	0.00	106.82	

Site 404 - 12/08/2021: Pistachio

Field name: Site 404

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	101.48	

Site 405 - 12/09/2021: Pistachio

Field name: Site 405

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals		0.00	0.00	0.00	106.82	

Site 406 - 12/09/2021: Pistachio

Field name: Site 406

Crop: Pistachio

Plant 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)	Amount
Canal 1	Surface water	0.00	0.00	0.00	105.70	4,750,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	105.70	

Site 407 - 12/10/2021: Pistachio

Field name: Site 407

Crop: Pistachio

Plant 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)	Amount
Canal 1	Surface water	0.00	0.00	0.00	103.00	13,500,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	103.00	

Site 4079 - 12/11/2021: Pistachio

Field name: Site 4079

Crop: Pistachio

Plant 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)	Amount
Canal 1	Surface water	0.00	0.00	0.00	103.00	27,000,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	103.00	

Site 408 - 12/12/2021: Pistachio

Field name: Site 408

Crop: Pistachio

Plant 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 <i>gal</i>
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 <i>gal</i>
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 <i>gal</i>
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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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 <i>gal</i>
Application event totals			0.00	0.00	0.00	107.88	

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

Field name: Site 4084 (4084SE)

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	86.01	

Site 4085 - 12/15/2021: Pistachio

Field name: Site 4085

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	84.53	

Site 4086 - 12/16/2021: Pistachio

Field name: Site 4086

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	87.35	

Site 409 - 12/15/2021: Pistachio

Field name: Site 409

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	82.62	

Site 410 - 12/13/2021: Pistachio

Field name: Site 410

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 2		Surface water	0.00	0.00	0.00	88.34	2,850,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	88.34	

Site 411 - 12/17/2021: Pistachio

Field name: Site 411

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals		0.00	0.00	0.00	87.51	

Site 412 - 12/17/2021: Pistachio

Field name: Site 412

Crop: Pistachio

Plant date: 12/17/2021

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	86.79	24,000,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	86.79	

Site 413 - 12/17/2021: Pistachio

Field name: Site 413

Crop: Pistachio

Plant date: 12/17/2021

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	86.52	7,975,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	86.52	

Site 414 - 12/17/2021: Pistachio

Field name: Site 414

Crop: Pistachio

Plant date: 12/17/2021

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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 <i>gal</i>
Application event totals			0.00	0.00	0.00	83.45	

Site 415 - 12/18/2021: Pistachio

Field name: Site 415

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	86.04	

Site 416 - 12/18/2021: Pistachio

Field name: Site 416

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals			0.00	0.00	0.00	84.90	

Site 417 - 12/19/2021: Pistachio

Field name: Site 417

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals		0.00	0.00	0.00	86.79	

Site 418 - 12/20/2021: Pistachio

Field name: Site 418

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals		0.00	0.00	0.00	106.82	

Site 419 - 12/20/2021: Pistachio

Field name: Site 419

Crop: Pistachio

Plant 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 <i>gal</i>
Application event totals		0.00	0.00	0.00	103.07	

Site 420 - 12/21/2021: Pistachio

Field name: Site 420

Crop: Pistachio

Plant 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)	Amount
Canal 1	Surface water	0.00	0.00	0.00	107.98	9,300,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	107.98	

Site 421 - 12/20/2021: Pistachio

Field name: Site 421

Crop: Pistachio

Plant 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	12,000,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	106.82	

Site 422 - 12/22/2021: Pistachio

Field name: Site 422

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)	Amount
Canal 1	Surface water	0.00	0.00	0.00	106.82	32,000,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	106.82	

Site 423 - 12/22/2021: Pistachio

Field name: Site 423

Crop: Pistachio

Plant date: 12/22/2021

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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)	Amount
Canal 1	Surface water	0.00	0.00	0.00	105.90	23,000,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	105.90	

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)	Amount
Canal 1		Surface water	0.00	0.00	0.00	106.82	12,000,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	106.82	

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

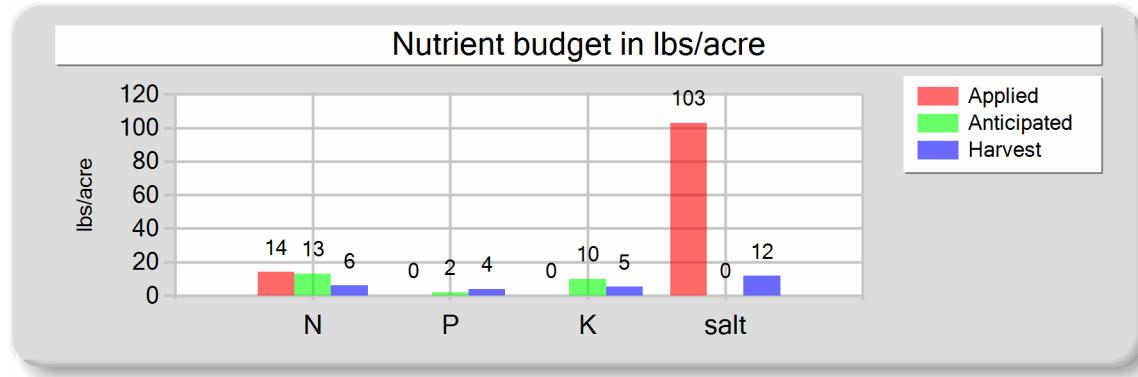
B. NUTRIENT BUDGET

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	27,000,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	994.32 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.20 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	Process wastewater applied
Fresh water	0.00	0.00	0.00	103.00	0.00 gallons
Atmospheric deposition	14.00	0.00	0.00	0.00	0.00 acre-inches
Total nutrients applied	14.00	0.00	0.00	103.00	0.00 inches/acre
Anticipated crop nutrient removal	13.10	2.00	10.00	0.00	
Actual crop nutrient removal	5.98	3.90	5.20	11.70	Total harvests for the crop
Nutrient balance	8.02	-3.90	-5.20	91.30	1 harvests
Applied to removed ratio	2.34	0.00	0.00	8.80	

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

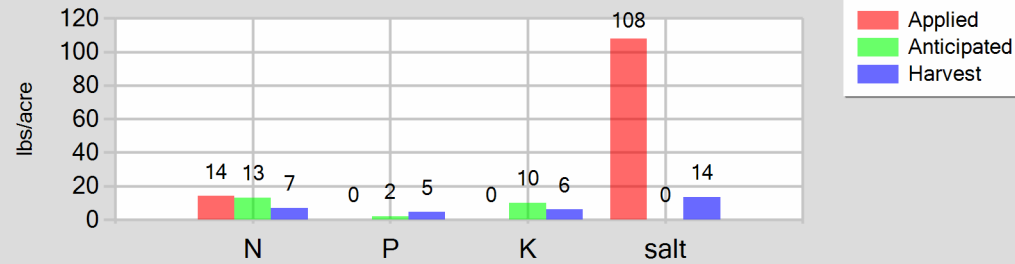
Site 402 - 12/06/2021: Pistachio

Field name: Site 402

Crop: Pistachio

Plant date: 12/06/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	30,300,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,115.85 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.88 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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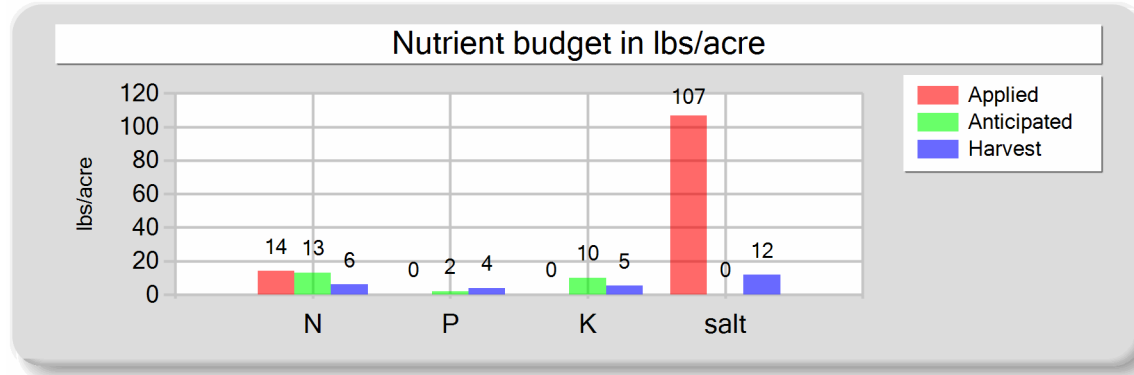
Reporting period 01/01/2023 to 12/31/2023.

Site 403 - 12/07/2021: Pistachio

Field name: Site 403

Crop: Pistachio

Plant date: 12/07/2021



	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	16,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	589.23 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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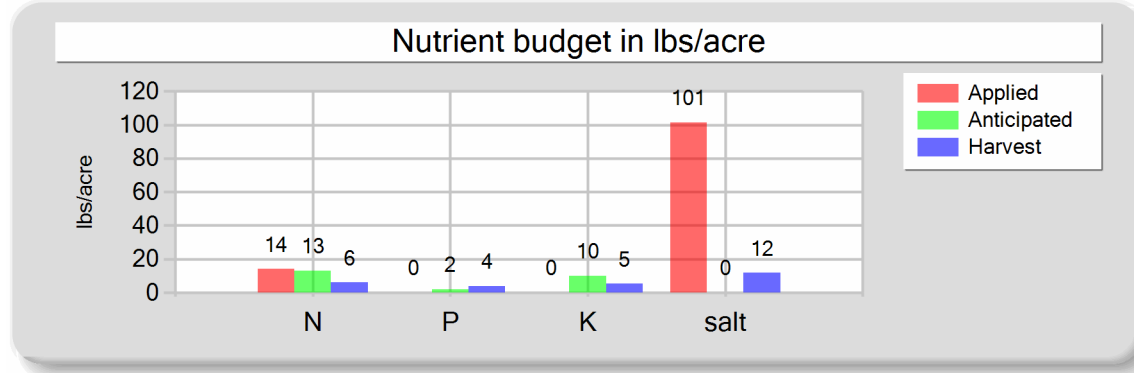
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	9,500,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	349.85 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	13.99 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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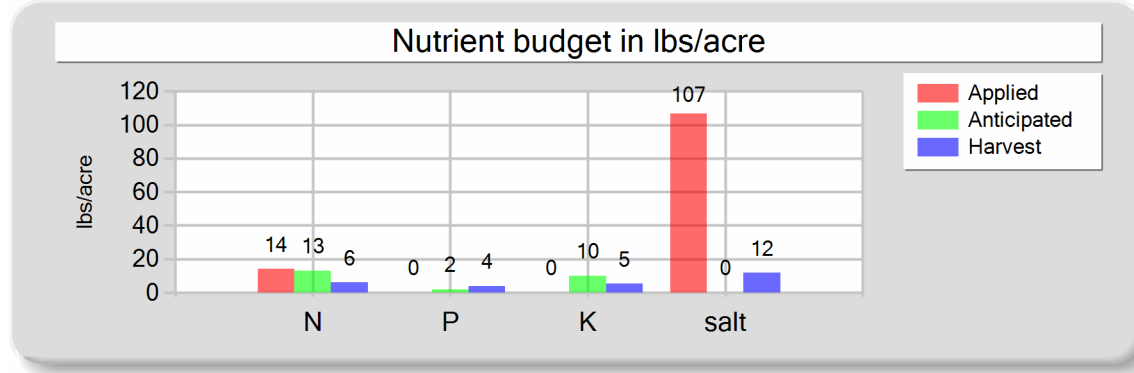
Reporting period 01/01/2023 to 12/31/2023.

Site 405 - 12/09/2021: Pistachio

Field name: Site 405

Crop: Pistachio

Plant date: 12/09/2021



	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	12,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	441.92 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	

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

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

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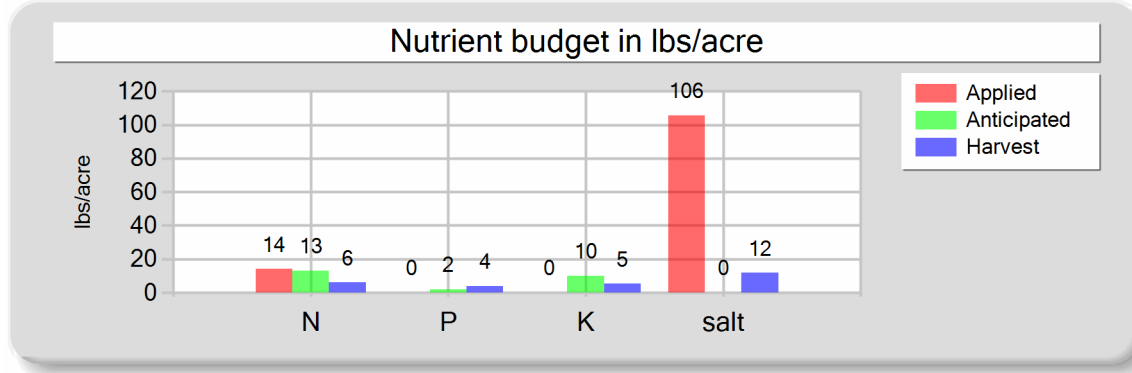
Reporting period 01/01/2023 to 12/31/2023.

Site 406 - 12/09/2021: Pistachio

Field name: Site 406

Crop: Pistachio

Plant date: 12/09/2021



	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	4,750,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	174.93 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.58 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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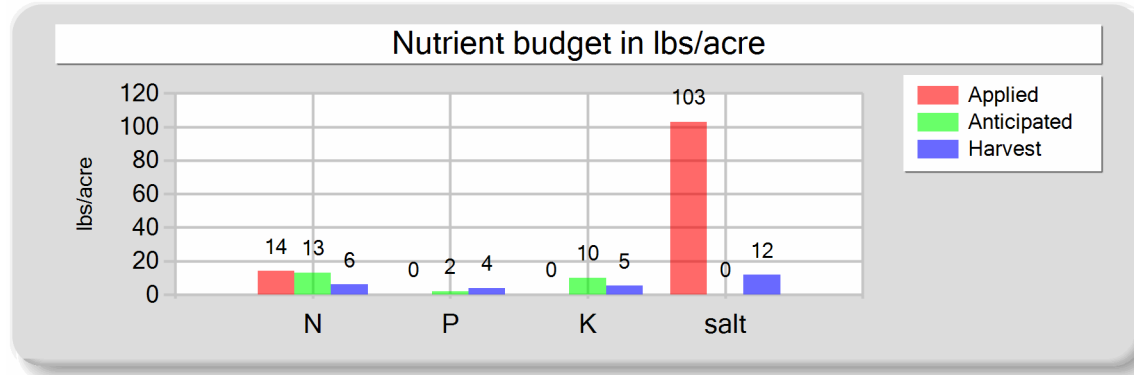
Reporting period 01/01/2023 to 12/31/2023.

Site 407 - 12/10/2021: Pistachio

Field name: Site 407

Crop: Pistachio

Plant date: 12/10/2021



	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	13,500,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	497.16 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.20 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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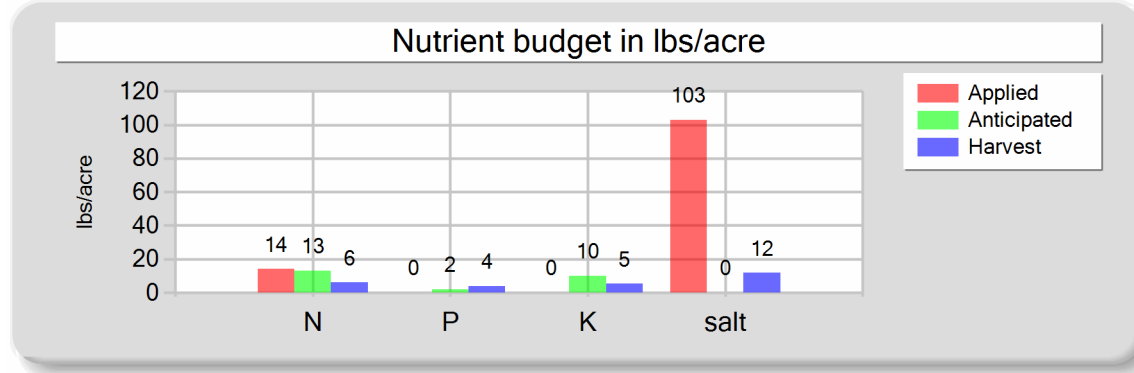
Reporting period 01/01/2023 to 12/31/2023.

Site 4079 - 12/11/2021: Pistachio

Field name: Site 4079

Crop: Pistachio

Plant date: 12/11/2021



	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	27,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	994.32 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.20 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

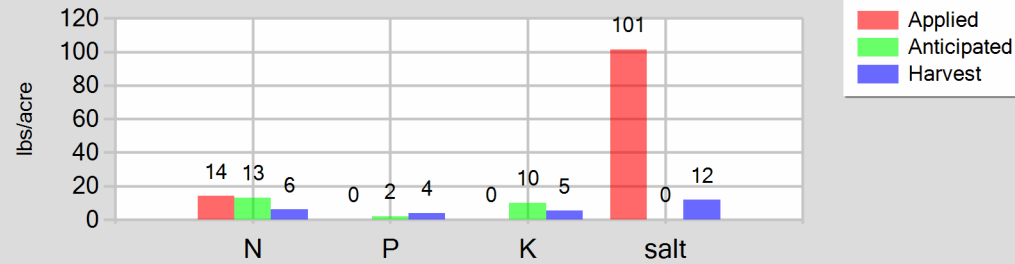
Site 408 - 12/12/2021: Pistachio

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	24,700,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	909.62 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	13.99 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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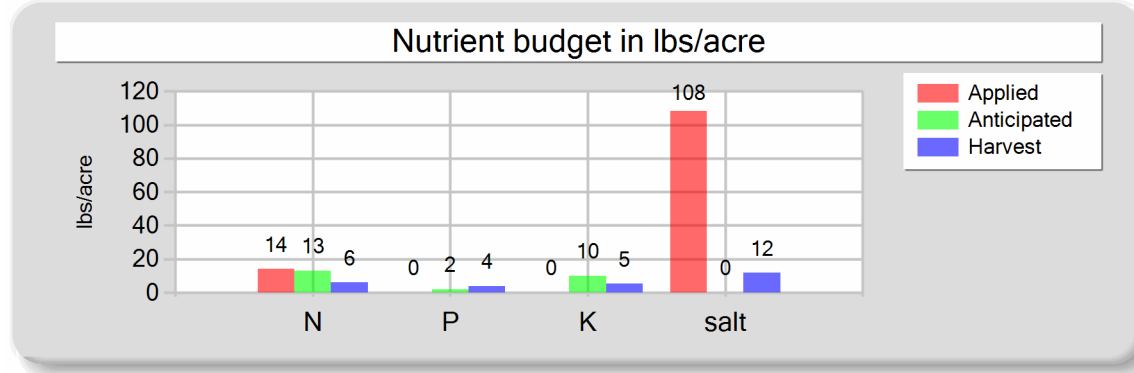
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	30,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,104.80 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.93 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

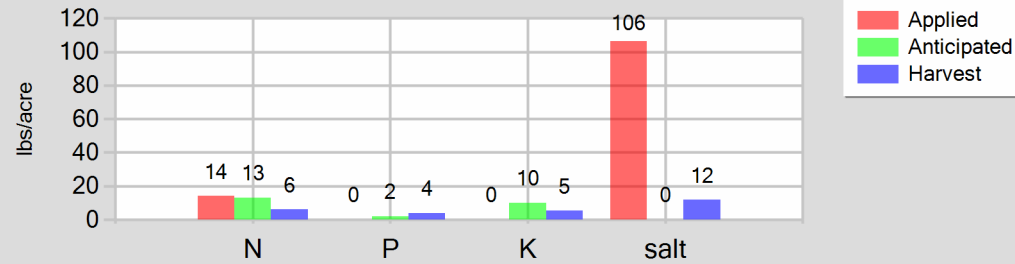
Site 4081 (4083 & 4084NW) - 12/13/2021: Pistachio

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 <i>gallons</i>
821.23 <i>acre-inches</i>
14.66 <i>inches/acre</i>

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

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

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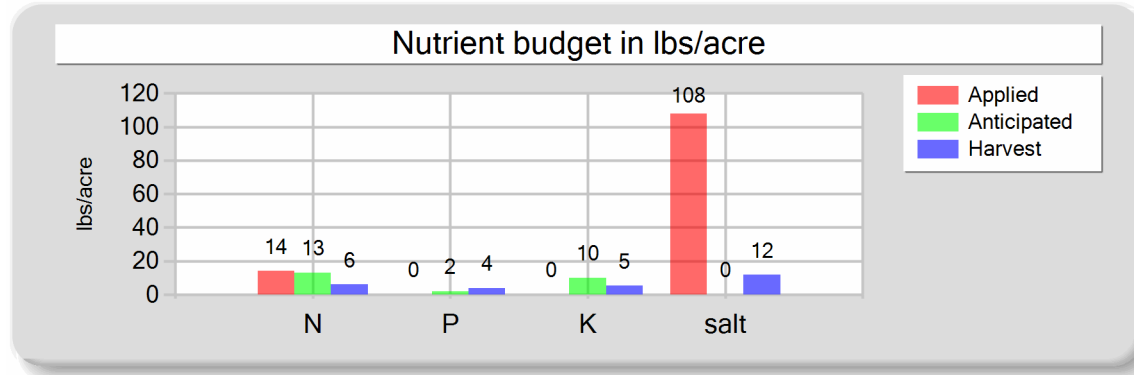
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	30,300,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,115.85 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.88 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	

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

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

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

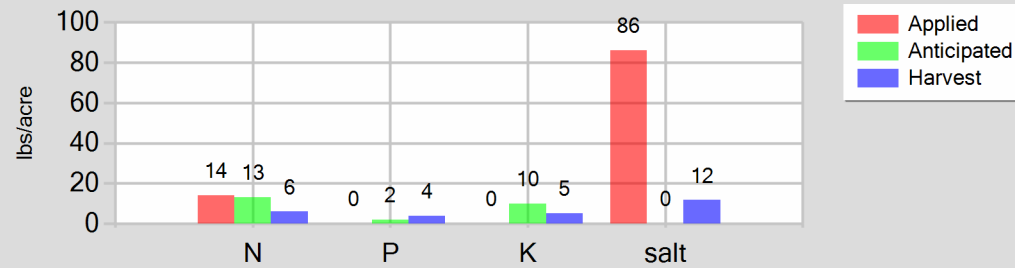
Site 4084 (4084SE) - 12/14/2021: Pistachio

Field name: Site 4084 (4084SE)

Crop: Pistachio

Plant date: 12/14/2021

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	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 <i>gallons</i>
204.39 <i>acre-inches</i>
14.60 <i>inches/acre</i>

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

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

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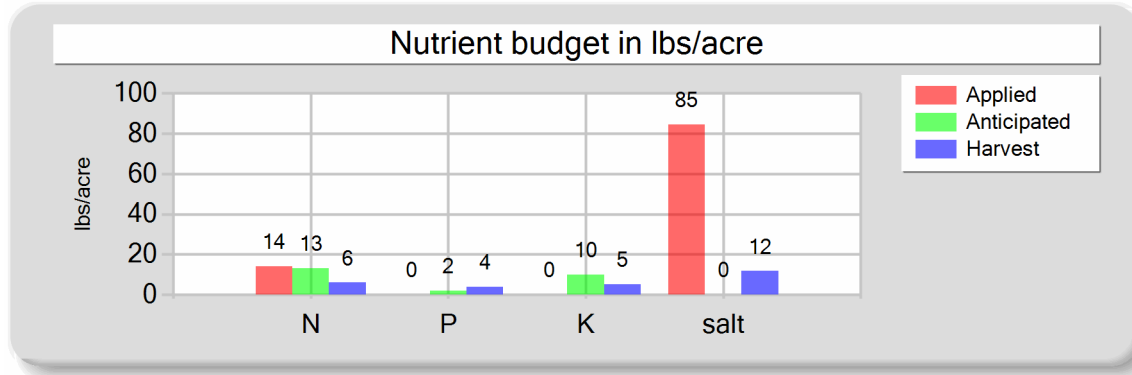
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	30,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,104.80 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.35 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

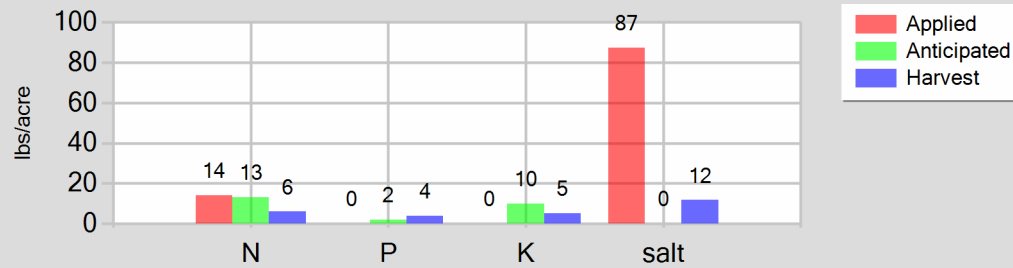
Site 4086 - 12/16/2021: Pistachio

Field name: Site 4086

Crop: Pistachio

Plant date: 12/16/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	31,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,141.62 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.83 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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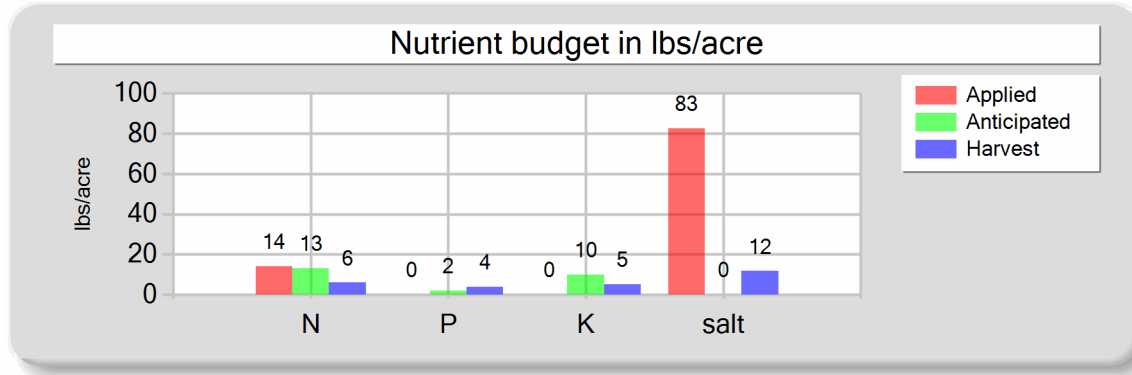
Reporting period 01/01/2023 to 12/31/2023.

Site 409 - 12/15/2021: Pistachio

Field name: Site 409

Crop: Pistachio

Plant date: 12/15/2021



	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	24,750,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	911.46 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.02 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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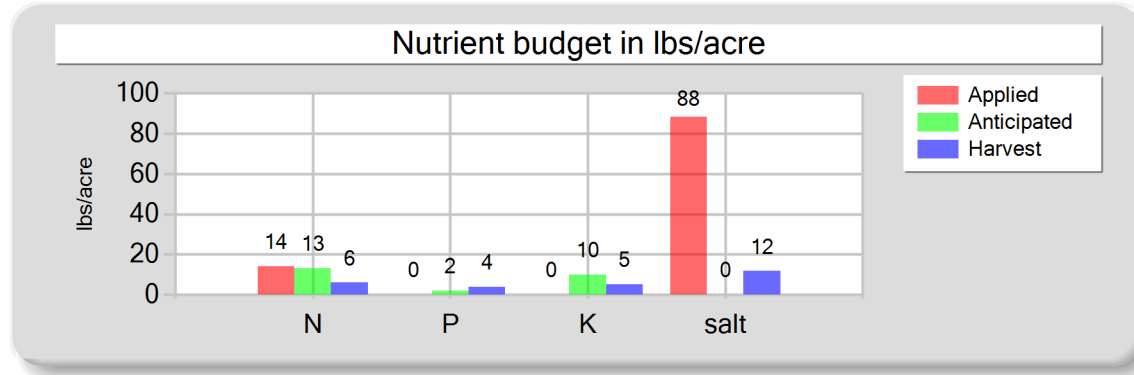
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	2,850,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	104.96 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.99 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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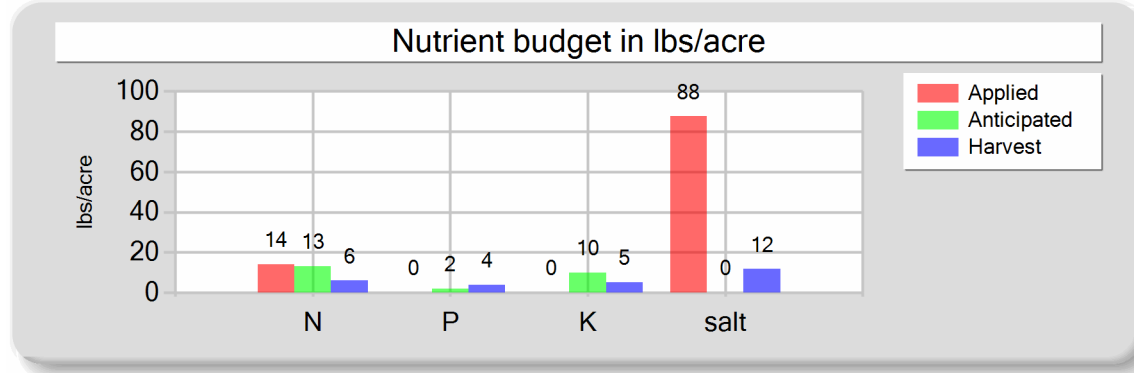
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	12,100,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	445.60 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.85 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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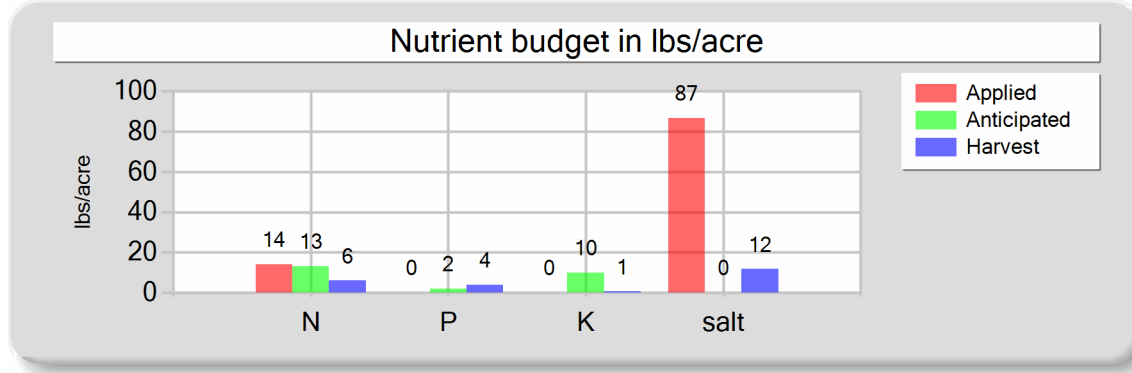
Reporting period 01/01/2023 to 12/31/2023.

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 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	883.84 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

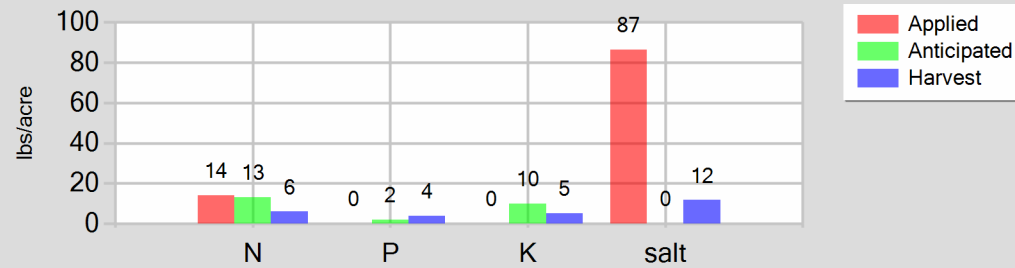
Site 413 - 12/17/2021: Pistachio

Field name: Site 413

Crop: Pistachio

Plant date: 12/17/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	7,975,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	293.69 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.68 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

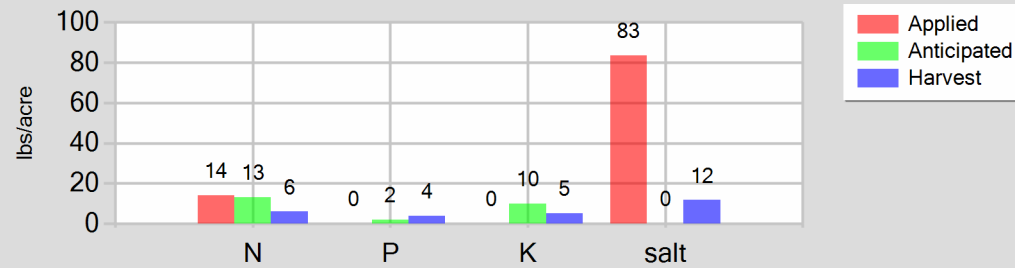
Site 414 - 12/17/2021: Pistachio

Field name: Site 414

Crop: Pistachio

Plant date: 12/17/2021

Nutrient budget in lbs/acre



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	25,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	920.66 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.16 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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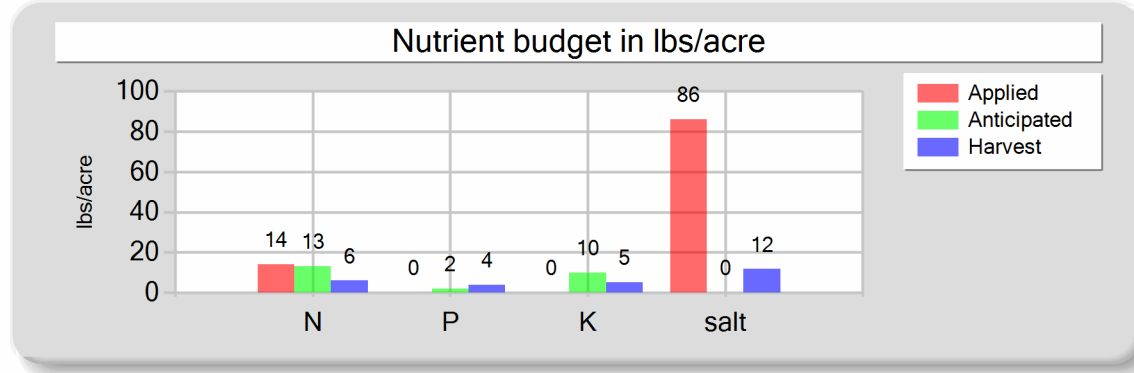
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	23,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	847.01 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.60 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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

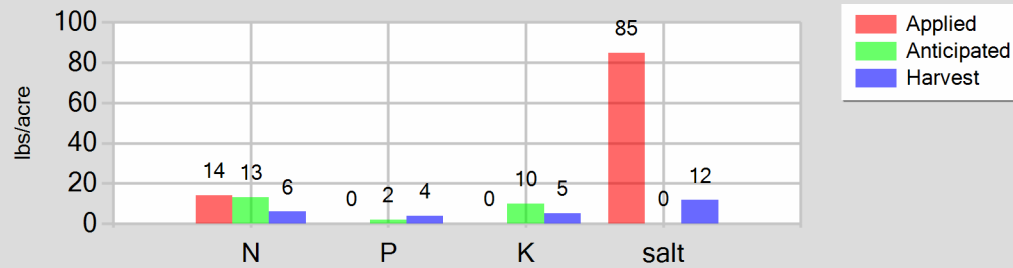
Site 416 - 12/18/2021: Pistachio

Field name: Site 416

Crop: Pistachio

Plant date: 12/18/2021

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	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 <i>gallons</i>
331.44 <i>acre-inches</i>
14.41 <i>inches/acre</i>
Process wastewater applied
0.00 <i>gallons</i>
0.00 <i>acre-inches</i>
0.00 <i>inches/acre</i>
Total harvests for the crop
1 <i>harvests</i>

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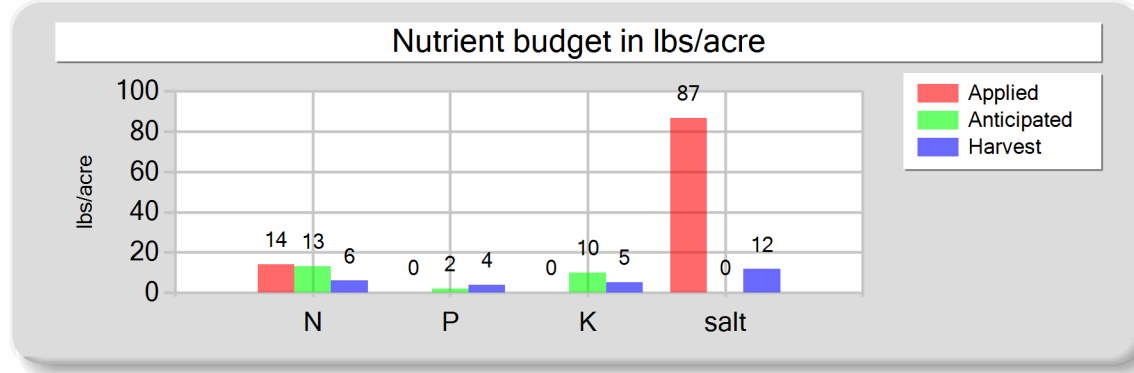
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	58,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	2,135.94 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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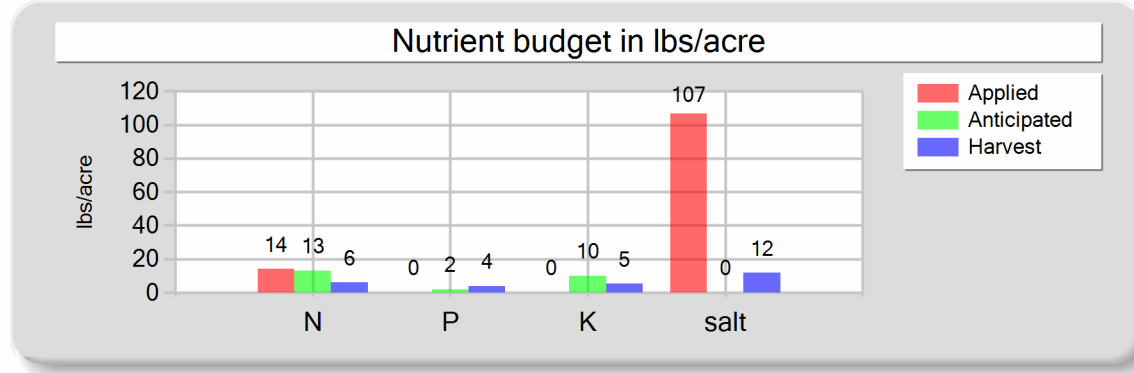
Reporting period 01/01/2023 to 12/31/2023.

Site 418 - 12/20/2021: Pistachio

Field name: Site 418

Crop: Pistachio

Plant date: 12/20/2021



	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	32,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,178.45 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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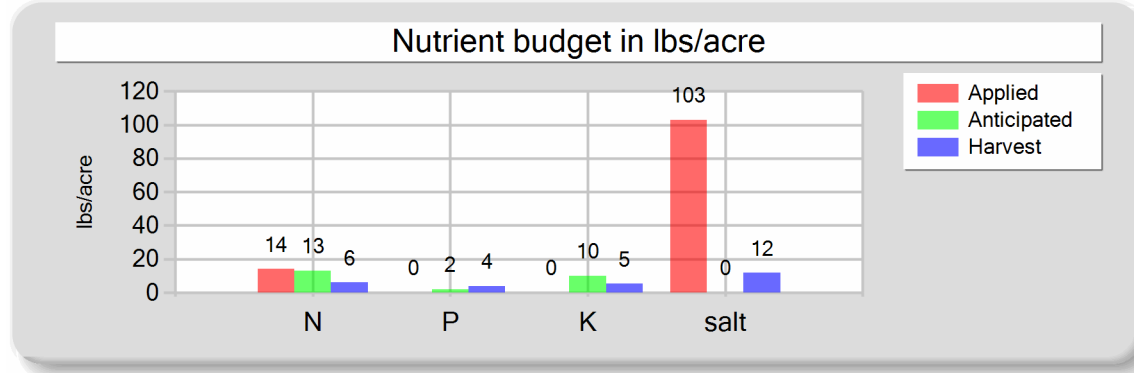
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	22,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	810.19 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.21 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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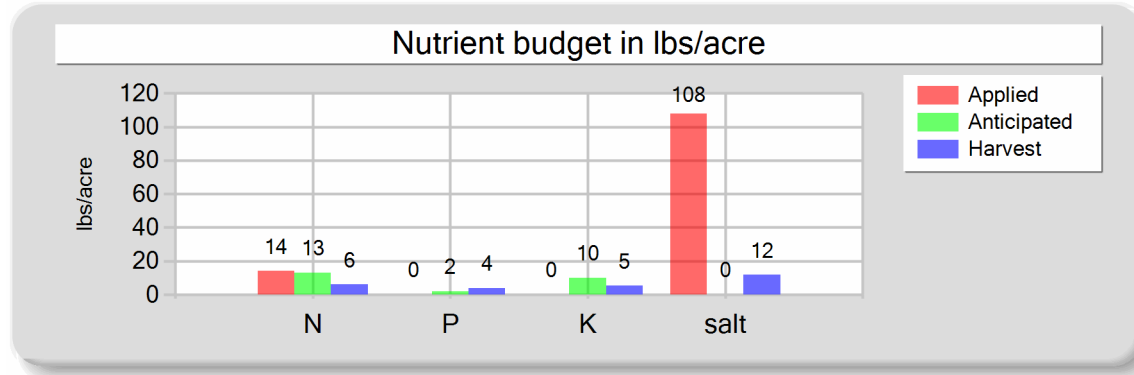
Reporting period 01/01/2023 to 12/31/2023.

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)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	9,300,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	342.49 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.89 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	

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

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

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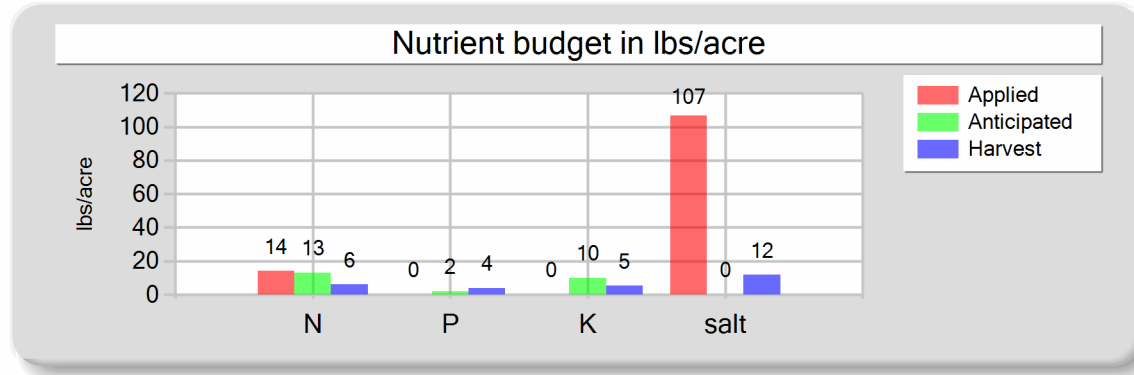
Reporting period 01/01/2023 to 12/31/2023.

Site 421 - 12/20/2021: Pistachio

Field name: Site 421

Crop: Pistachio

Plant date: 12/20/2021



	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	12,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	441.92 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	

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

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

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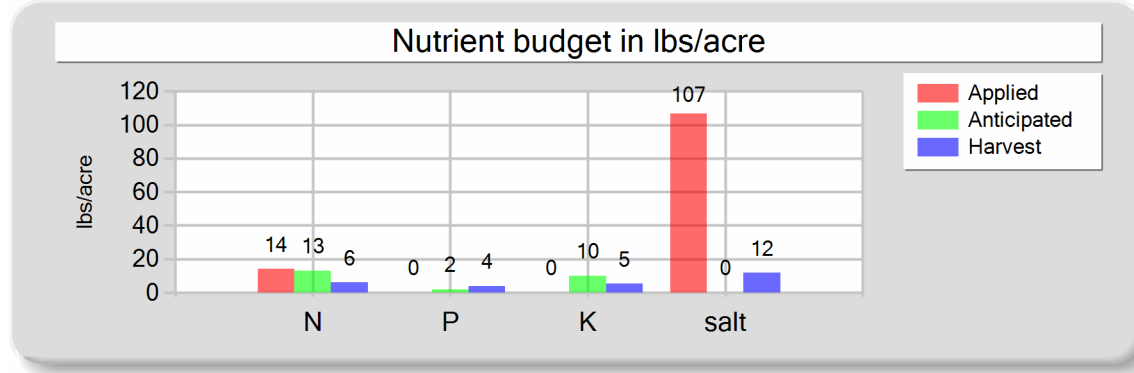
Reporting period 01/01/2023 to 12/31/2023.

Site 422 - 12/22/2021: Pistachio

Field name: Site 422

Crop: Pistachio

Plant date: 12/22/2021



	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	32,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,178.45 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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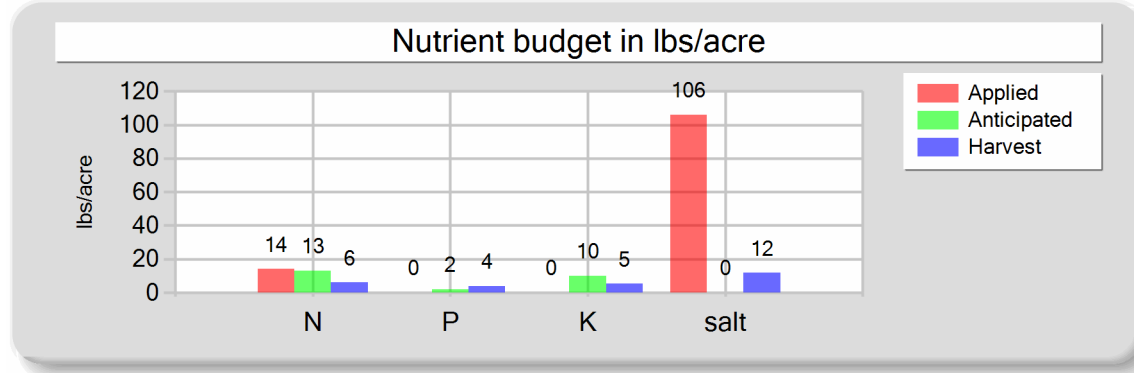
Reporting period 01/01/2023 to 12/31/2023.

Site 423 - 12/22/2021: Pistachio

Field name: Site 423

Crop: Pistachio

Plant date: 12/22/2021



	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	23,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	847.01 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.60 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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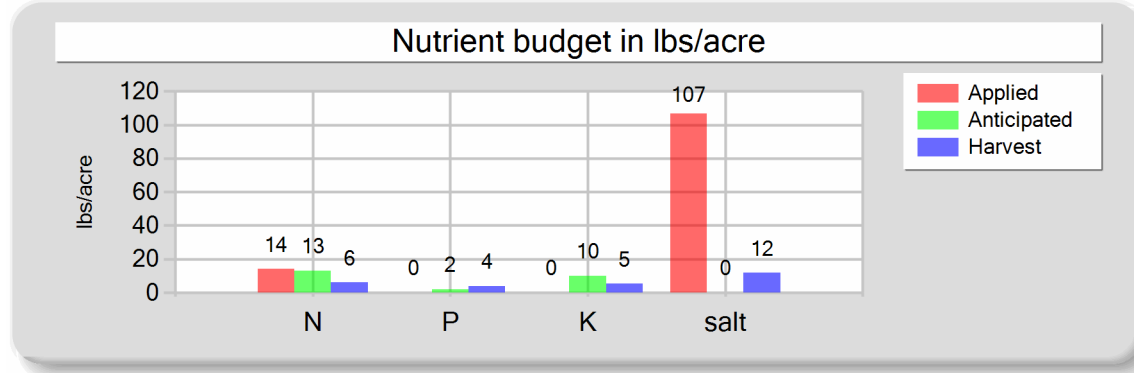
Reporting period 01/01/2023 to 12/31/2023.

Site 424 - 12/22/2021: Pistachio

Field name: Site 424

Crop: Pistachio

Plant date: 12/22/2021



	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	12,000,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	441.92 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	14.73 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	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	

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

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

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

1st Half

Sample and source description: 1st Half

Sample date: 05/24/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 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 Half

Sample and source description: 2nd Half

Sample date: 10/11/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 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: 1QTR

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

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

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

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

estimate

Sample and source description: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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 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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Reporting period 01/01/2023 to 12/31/2023.

Site 418 - 12/20/2021: Pistachio

estimate

Sample and source description: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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 421 - 12/20/2021: Pistachio

estimate

Sample and source description: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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: estimateSample date: 10/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 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: estimateSample date: 10/15/2023 Source of analysis: Other/estimated Method of reporting: Dry-weightMoisture: 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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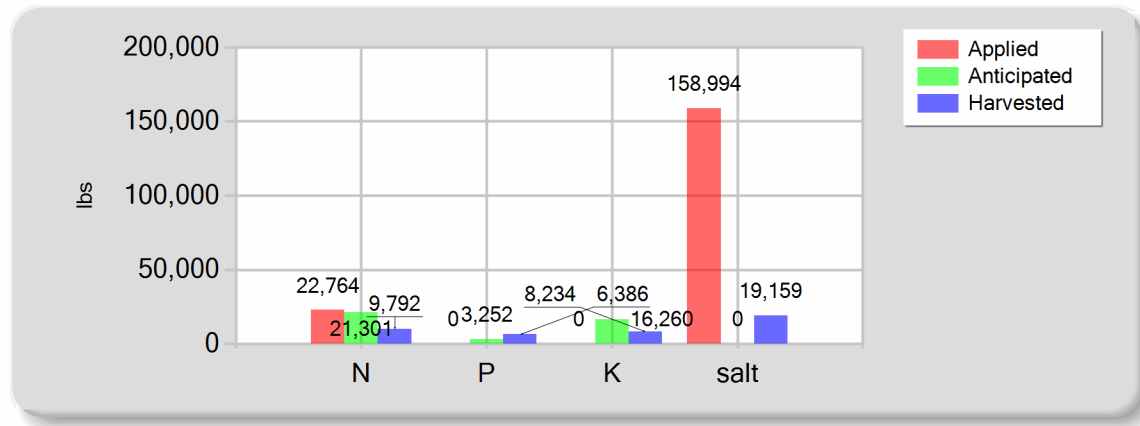
Reporting period 01/01/2023 to 12/31/2023.

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

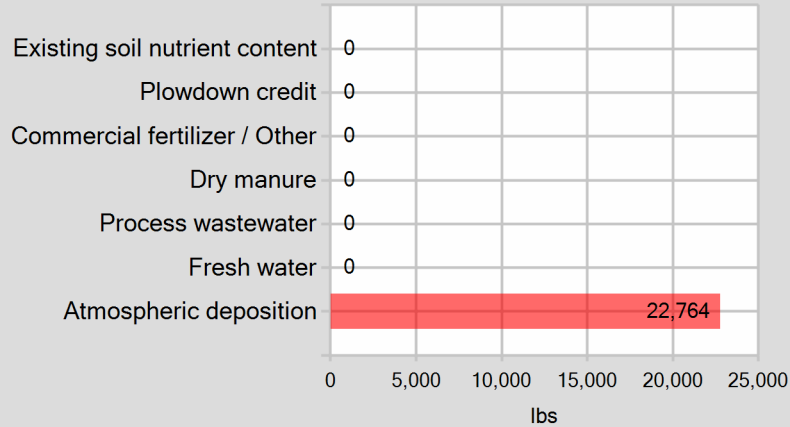


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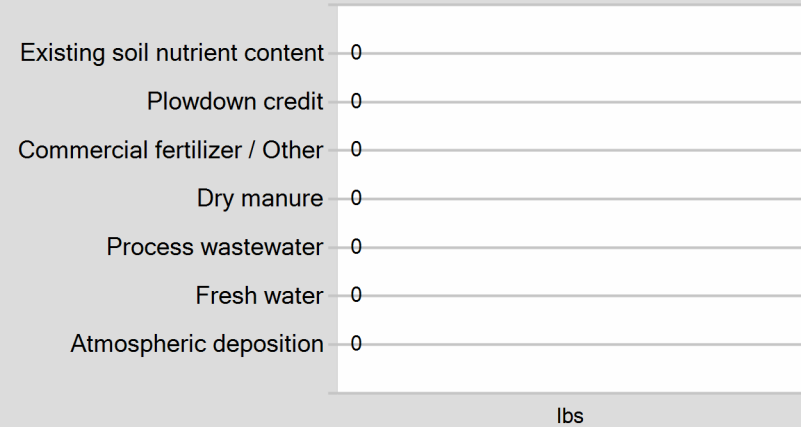
Reporting period 01/01/2023 to 12/31/2023.

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

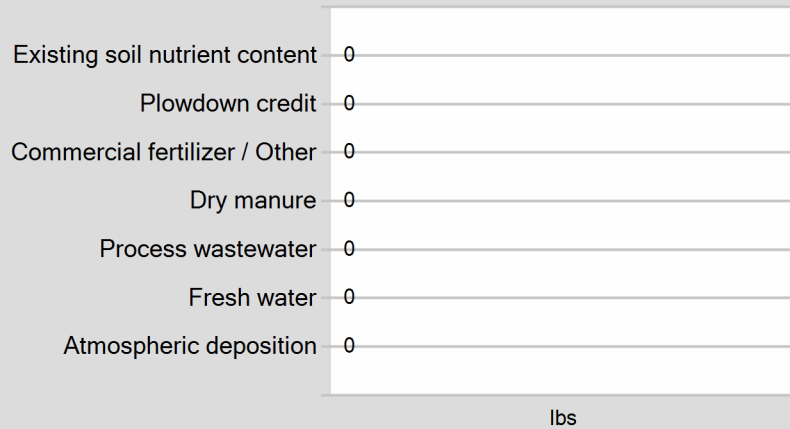
Pounds of nitrogen applied



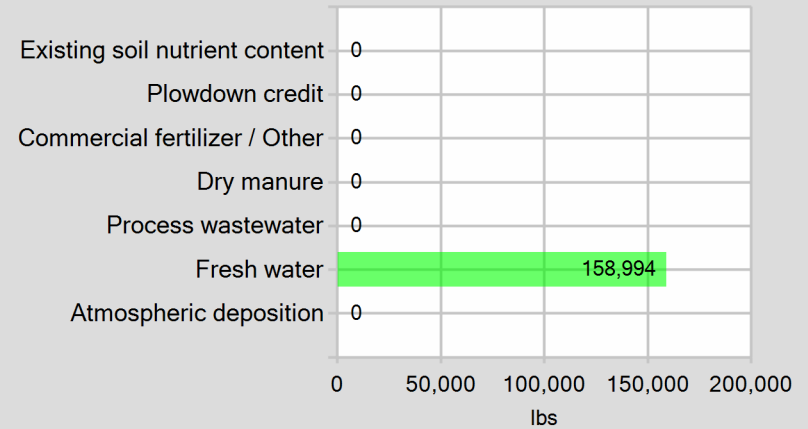
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



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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.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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

	
SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Joe Coelho	SAME AS OWNER
PRINT OR TYPE NAME	PRINT OR TYPE NAME
6/26/24	6/26/24
DATE	DATE

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ATTACHMENTS

A. REQUIRED ATTACHMENTS

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

Annual Dairy Facility Assessment

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

Manure/Process Wastewater Tracking Manifests

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

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.