

**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:** Bear 5 Feedlot

Physical address of dairy:

12841 Bear Mountain BLVD

Number and Street

Bakersfield

City

Kern

County

93311

Zip Code

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

Date facility was originally placed in operation: 07/01/1965Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X184-X120-XX45-XXXX    X184-X120-XX46-XXXX

**B. OPERATORS**

Bidart, John

Operator name: Bidart, JohnTelephone no.: (661) 397-5400

Landline

Cellular

20400 Old River RD

Bakersfield

CA

93311

Mailing Address Number and Street

City

State

Zip Code

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

Wildwood Farms LLC

Legal owner name: Wildwood Farms LLCTelephone no.: (661) 397-5400

Landline

Cellular

20400 Old River RD

Bakersfield

CA

93311

Mailing Address Number and Street

City

State

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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	2,331	2,412	2,781	0
Number under roof	0	0	0	0	0	0
Maximum number	0	0	2,348	2,436	2,798	0
Average number	0	0	2,331	2,412	2,781	0
Avg live weight (lbs)	0	0	1,000	750		

Predominant milk cow breed: Jersey-Holstein Cross

Average milk production: 1 pounds per cow per day

**B. MANURE GENERATED**

Total manure excreted by the herd: 57,243.48 tons per reporting period

Total nitrogen from manure: 592,219.80 lbs per reporting period

After ammonia losses (30% loss applied): 414,553.86 lbs per reporting period

Total phosphorus from manure: 86,221.72 lbs per reporting period

Total potassium from manure: 1.00 lbs per reporting period

Total salt from manure: 0.00 lbs per reporting period

**C. PROCESS WASTEWATER GENERATED**

Process wastewater generated: 5,000,000 gallons

Total nitrogen generated: 5,048.73 lbs

$$\begin{array}{r}
 5,000,000 \text{ gallons applied} \\
 + \quad \quad \quad 0 \text{ gallons exported} \\
 - \quad \quad \quad 0 \text{ gallons imported} \\
 = \quad \quad \quad 5,000,000 \text{ gallons generated}
 \end{array}$$

Total phosphorus generated: 183.59 lbs

Total potassium generated: 3,563.32 lbs

Total salt generated: 26,328.48 lbs

**D. FRESH WATER SOURCES**

Source Description	Type
BW 10	Ground water
BW 13	Ground water
BW 14	Ground water
BW Dairy	Ground water
Kern Delta ID	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**

Date	Material type	Quantity	Reporting basis	Moisture (%)	Density (lbs/cu ft)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
03/03/2023	Corral solids	176.23 ton	Dry-weight	7.0		15,900.00	5,400.00	23,800.00		0.00
08/07/2023	Corral solids	402.35 ton	Dry-weight	10.2		18,300.00	6,700.00	19,500.00		0.00
11/30/2023	Corral solids	3,230.10 ton	Dry-weight	10.2		18,300.00	6,700.00	19,500.00		0.00
12/11/2023	Corral solids	1,241.51 ton	Dry-weight	10.2		18,300.00	6,700.00	19,500.00		0.00
12/28/2023	Corral solids	9,363.56 ton	Dry-weight	10.2		18,300.00	6,700.00	19,500.00		0.00

*No liquid nutrient exports entered.*

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	473,153.55	173,092.98	506,427.78	0.00
Process wastewater	0.00	0.00	0.00	0.00
Total exports for all materials	473,153.55	173,092.98	506,427.78	0.00

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**APPLICATION AREA****A. LIST OF LAND APPLICATION AREAS**

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
10	154	154	1	none	X184-X120-XX46-XXXX
11	70	70	1	process wastewater	X184-X120-XX45-XXXX X184-X120-XX46-XXXX
12	79	79	0	none	X184-X120-XX45-XXXX X184-X120-XX46-XXXX
13	154	154	1	none	X184-X120-XX45-XXXX
14	139	139	1	none	X184-X120-XX35-XXXX
15	93	93	1	none	X184-X120-XX35-XXXX
16	53	53	1	none	X184-X120-XX40-XXXX
9	166	166	1	none	X184-X460-XX35-XXXX
Totals for areas that were used for application	70	70	1		
Totals for areas that were not used for application	838	838	6		
Land application area totals	908	908	7		

**B. CROPS AND HARVESTS**

10

Field name: 10

01/10/2015: Almond, in shell

Crop: Almond, in shell      Acres planted: 154      Plant date: 01/10/2015

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	203.00 ton	Dry-weight		5.6	30,200.00	3,300.00	20,600.00		9.21

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	1.20	109.20	16.80	84.00	168.00
Total actual harvest content	1.32	75.16	8.21	51.27	229.21

11

Field name: 11

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11

04/08/2019: Alfalfa, hay

Crop: Alfalfa, hay      Acres planted: 70      Plant date: 04/08/2019

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
11/07/2023	580.00 ton	Dry-weight		9.7	36,200.00	2,900.00	19,200.00		20.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	8.00	480.00	43.20	336.00	1,600.00
Total actual harvest content	8.29	541.70	43.40	287.31	3,097.55

12

Field name: 12

03/15/2021: Almond, in shell

Crop: Almond, in shell      Acres planted: 79      Plant date: 03/15/2021

No harvests entered for this crop.

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	1.20	109.20	16.80	84.00	168.00
Total actual harvest content	0.00	0.00	0.00	0.00	0.00

13

Field name: 13

01/05/2014: Almond, in shell

Crop: Almond, in shell      Acres planted: 154      Plant date: 01/05/2014

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	195.00 ton	Dry-weight		5.2	29,100.00	3,300.00	19,600.00		8.13

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	1.20	109.20	16.80	84.00	168.00
Total actual harvest content	1.27	69.86	7.92	47.06	195.18

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**14**Field name: 14

01/05/2014: Almond, in shell

Crop: Almond, in shell      Acres planted: 139      Plant date: 01/05/2014

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	192.00 <i>ton</i>	Dry-weight		5.9	34,000.00	3,800.00	17,100.00		8.21
		Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)							
Anticipated harvest content		1.20 109.20 16.80 84.00 168.00							
Total actual harvest content		1.38 88.39 9.88 44.45 213.43							

**15**Field name: 15

01/06/2015: Almond, in shell

Crop: Almond, in shell      Acres planted: 93      Plant date: 01/06/2015

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	124.00 <i>ton</i>	Dry-weight		6.2	29,000.00	3,100.00	21,800.00		8.89
		Yield (tons/acre) Total N (lbs/acre) Total P (lbs/acre) Total K (lbs/acre) Salt (lbs/acre)							
Anticipated harvest content		1.20 109.20 16.80 84.00 168.00							
Total actual harvest content		1.33 72.54 7.75 54.53 222.37							

**16**Field name: 16

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16

01/06/2015: Almond, in shell

Crop: Almond, in shell      Acres planted: 53      Plant date: 01/06/2015

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	84.00 <i>ton</i>	Dry-weight		6.5	26,700.00	3,000.00	22,300.00		8.56

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	1.20	109.20	16.80	84.00	168.00
Total actual harvest content	1.58	79.13	8.89	66.09	253.70

9

Field name: 9

01/10/2015: Almond, in shell

Crop: Almond, in shell      Acres planted: 166      Plant date: 01/10/2015

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/11/2023	217.00 <i>ton</i>	Dry-weight		7.4	29,800.00	2,800.00	27,700.00		9.82

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	1.20	109.20	16.80	84.00	168.00
Total actual harvest content	1.31	72.15	6.78	67.06	237.74

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**NUTRIENT BUDGET****A. LAND APPLICATIONS**

10 - 01/10/2015: Almond, in shell

Field name: 10

Crop: Almond, in shell Plant date: 01/10/2015

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following
03/05/2023	Pipeline	No precipitation	No precipitation			No precipitation
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	66.65	20,500,000.00 gal
Application event totals		0.00	0.00	0.00	66.65	
04/05/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	68.28	21,000,000.00 gal
Application event totals		0.00	0.00	0.00	68.28	
05/05/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	73.15	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	73.15	
06/05/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	73.15	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	73.15	
07/05/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	73.15	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	73.15	

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10 - 01/10/2015: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
08/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	66.65	20,500,000.00 gal
Application event totals		0.00	0.00	0.00	66.65	
09/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	73.15	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	73.15	
10/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	73.15	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	73.15	

11 - 04/08/2019: Alfalfa, hay

Field name: 11

Crop: Alfalfa, hay

Plant date: 04/08/2019

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/11/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	71.53	10,000,000.00 gal
Application event totals		0.00	0.00	0.00	71.53	
04/10/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	78.68	11,000,000.00 gal
Application event totals		0.00	0.00	0.00	78.68	

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11 - 04/08/2019: Alfalfa, hay

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
05/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.26	11,500,000.00 gal
Application event totals		0.00	0.00	0.00	82.26	
06/13/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	78.68	11,000,000.00 gal
Application event totals		0.00	0.00	0.00	78.68	
07/14/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	78.68	11,000,000.00 gal
Application event totals		0.00	0.00	0.00	78.68	
08/12/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.26	11,500,000.00 gal
Application event totals		0.00	0.00	0.00	82.26	
09/07/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.26	11,500,000.00 gal
Application event totals		0.00	0.00	0.00	82.26	
10/09/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Lagoon	Process wastewater	72.12	2.62	50.90	376.12	5,000,000.00 gal
Kern Delta ID	Surface water	0.00	0.00	0.00	82.26	11,500,000.00 gal
Application event totals		72.12	2.62	50.90	458.38	

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12 - 03/15/2021: Almond, in shell

Field name: 12

Crop: Almond, in shell

Plant date: 03/15/2021

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/08/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.39	13,000,000.00 gal
Application event totals		0.00	0.00	0.00	82.39	
04/10/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.39	13,000,000.00 gal
Application event totals		0.00	0.00	0.00	82.39	
05/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	79.22	12,500,000.00 gal
Application event totals		0.00	0.00	0.00	79.22	
06/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	76.06	12,000,000.00 gal
Application event totals		0.00	0.00	0.00	76.06	
07/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.39	13,000,000.00 gal
Application event totals		0.00	0.00	0.00	82.39	
08/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	88.73	14,000,000.00 gal
Application event totals		0.00	0.00	0.00	88.73	

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12 - 03/15/2021: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/21/2023	Surface (irrigation)	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.72	11,000,000.00 gal
Application event totals		0.00	0.00	0.00	69.72	
10/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.39	13,000,000.00 gal
Application event totals		0.00	0.00	0.00	82.39	

13 - 01/05/2014: Almond, in shell

Field name: 13

Crop: Almond, in shell

Plant date: 01/05/2014

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	71.53	22,000,000.00 gal
Application event totals		0.00	0.00	0.00	71.53	
04/08/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	74.78	23,000,000.00 gal
Application event totals		0.00	0.00	0.00	74.78	
05/10/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	76.41	23,500,000.00 gal
Application event totals		0.00	0.00	0.00	76.41	

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13 - 01/05/2014: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/12/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.91	25,500,000.00 gal
Application event totals		0.00	0.00	0.00	82.91	
07/14/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	79.66	24,500,000.00 gal
Application event totals		0.00	0.00	0.00	79.66	
08/16/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	79.66	24,500,000.00 gal
Application event totals		0.00	0.00	0.00	79.66	
09/18/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	79.66	24,500,000.00 gal
Application event totals		0.00	0.00	0.00	79.66	
10/20/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	82.91	25,500,000.00 gal
Application event totals		0.00	0.00	0.00	82.91	

14 - 01/05/2014: Almond, in shell

Field name: 14

Crop: Almond, in shell

Plant date: 01/05/2014

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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14 - 01/05/2014: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/10/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	77.45	21,500,000.00 gal
Application event totals		0.00	0.00	0.00	77.45	
04/12/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	81.05	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	81.05	
05/14/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	81.77	22,700,000.00 gal
Application event totals		0.00	0.00	0.00	81.77	
06/16/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	84.65	23,500,000.00 gal
Application event totals		0.00	0.00	0.00	84.65	
07/18/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	75.65	21,000,000.00 gal
Application event totals		0.00	0.00	0.00	75.65	
08/20/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	86.45	24,000,000.00 gal
Application event totals		0.00	0.00	0.00	86.45	

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14 - 01/05/2014: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/22/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	77.45	21,500,000.00 gal
Application event totals		0.00	0.00	0.00	77.45	
10/24/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	84.65	23,500,000.00 gal
Application event totals		0.00	0.00	0.00	84.65	

15 - 01/06/2015: Almond, in shell

Field name: 15

Crop: Almond, in shell

Plant date: 01/06/2015

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	61.91	11,500,000.00 gal
Application event totals		0.00	0.00	0.00	61.91	
04/06/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	68.38	12,700,000.00 gal
Application event totals		0.00	0.00	0.00	68.38	
05/06/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	76.45	14,200,000.00 gal
Application event totals		0.00	0.00	0.00	76.45	

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15 - 01/06/2015: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	68.91	12,800,000.00 gal
Application event totals		0.00	0.00	0.00	68.91	
07/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	68.91	12,800,000.00 gal
Application event totals		0.00	0.00	0.00	68.91	
08/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.99	13,000,000.00 gal
Application event totals		0.00	0.00	0.00	69.99	
09/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.99	13,000,000.00 gal
Application event totals		0.00	0.00	0.00	69.99	
10/06/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	67.30	12,500,000.00 gal
Application event totals		0.00	0.00	0.00	67.30	

16 - 01/06/2015: Almond, in shell

Field name: 16

Crop: Almond, in shell

Plant date: 01/06/2015

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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16 - 01/06/2015: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	62.35	6,600,000.00 gal
Application event totals		0.00	0.00	0.00	62.35	
04/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	67.07	7,100,000.00 gal
Application event totals		0.00	0.00	0.00	67.07	
05/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	71.80	7,600,000.00 gal
Application event totals		0.00	0.00	0.00	71.80	
06/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	81.25	8,600,000.00 gal
Application event totals		0.00	0.00	0.00	81.25	
07/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	63.30	6,700,000.00 gal
Application event totals		0.00	0.00	0.00	63.30	
08/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	68.02	7,200,000.00 gal
Application event totals		0.00	0.00	0.00	68.02	

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16 - 01/06/2015: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
09/08/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	71.80	7,600,000.00 gal
Application event totals		0.00	0.00	0.00	71.80	
10/08/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	72.74	7,700,000.00 gal
Application event totals		0.00	0.00	0.00	72.74	

9 - 01/10/2015: Almond, in shell

Field name: 9

Crop: Almond, in shell

Plant date: 01/10/2015

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
03/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	66.36	22,000,000.00 gal
Application event totals		0.00	0.00	0.00	66.36	
04/05/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.37	23,000,000.00 gal
Application event totals		0.00	0.00	0.00	69.37	
05/05/2023	Pipeline	No precipitation	No precipitation	No precipitation	No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	70.88	23,500,000.00 gal
Application event totals		0.00	0.00	0.00	70.88	

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9 - 01/10/2015: Almond, in shell

Application date	Application method	Precipitation 24 hours prior	Precipitation during application		Precipitation 24 hours following	
06/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	70.88	23,500,000.00 gal
Application event totals		0.00	0.00	0.00	70.88	
07/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	67.87	22,500,000.00 gal
Application event totals		0.00	0.00	0.00	67.87	
08/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.37	23,000,000.00 gal
Application event totals		0.00	0.00	0.00	69.37	
09/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	69.37	23,000,000.00 gal
Application event totals		0.00	0.00	0.00	69.37	
10/05/2023	Pipeline	No precipitation	No precipitation		No precipitation	
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Kern Delta ID	Surface water	0.00	0.00	0.00	63.34	21,000,000.00 gal
Application event totals		0.00	0.00	0.00	63.34	

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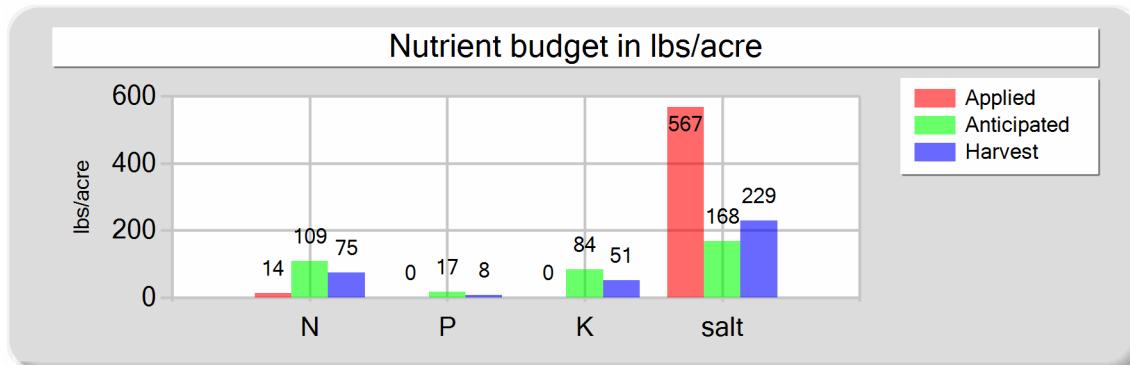
**B. NUTRIENT BUDGET**

10 - 01/10/2015: Almond, in shell

Field name: 10

Crop: Almond, in shell

Plant date: 01/10/2015



	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	567.35
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	567.35
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	75.16	8.21	51.27	229.21
Nutrient balance	-61.16	-8.21	-51.27	338.14
Applied to removed ratio	0.19	0.00	0.00	2.48

**Fresh water applied**

174,500,000.00 *gallons*  
6,426.24 *acre-inches*  
41.73 *inches/acre*

**Process wastewater applied**

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

**Total harvests for the crop**

1 *harvests*

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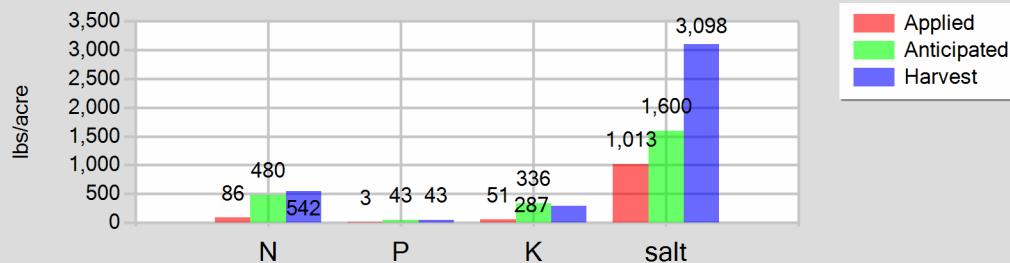
11 - 04/08/2019: Alfalfa, hay

Field name: 11

Crop: Alfalfa, hay

Plant date: 04/08/2019

**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	72.12	2.62	50.90	376.12
Fresh water	0.00	0.00	0.00	636.60
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	86.12	2.62	50.90	1,012.73
Anticipated crop nutrient removal	480.00	43.20	336.00	1,600.00
Actual crop nutrient removal	541.70	43.40	287.31	3,097.55
Nutrient balance	-455.57	-40.77	-236.40	-2,084.82
Applied to removed ratio	0.16	0.06	0.18	0.33

**Fresh water applied**

89,000,000.00 gallons  
3,277.57 acre-inches  
46.82 inches/acre

**Process wastewater applied**

5,000,000.00 gallons  
184.13 acre-inches  
2.63 inches/acre

**Total harvests for the crop**

1 harvests

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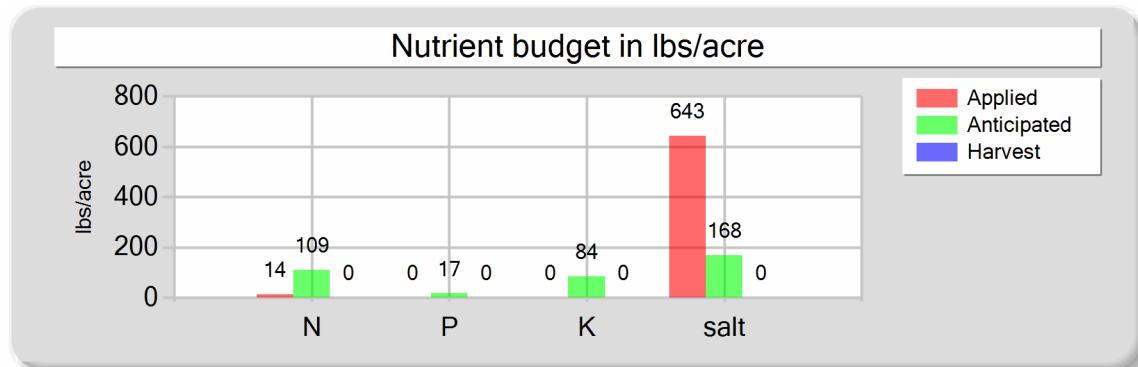
Reporting period 01/01/2023 to 12/31/2023.

12 - 03/15/2021: Almond, in shell

Field name: 12

Crop: Almond, in shell

Plant date: 03/15/2021



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	643.30
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	643.30
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	14.00	0.00	0.00	643.30
Applied to removed ratio	0.00	0.00	0.00	0.00

**Fresh water applied**

101,500,000.00 gallons  
3,737.90 acre-inches  
47.32 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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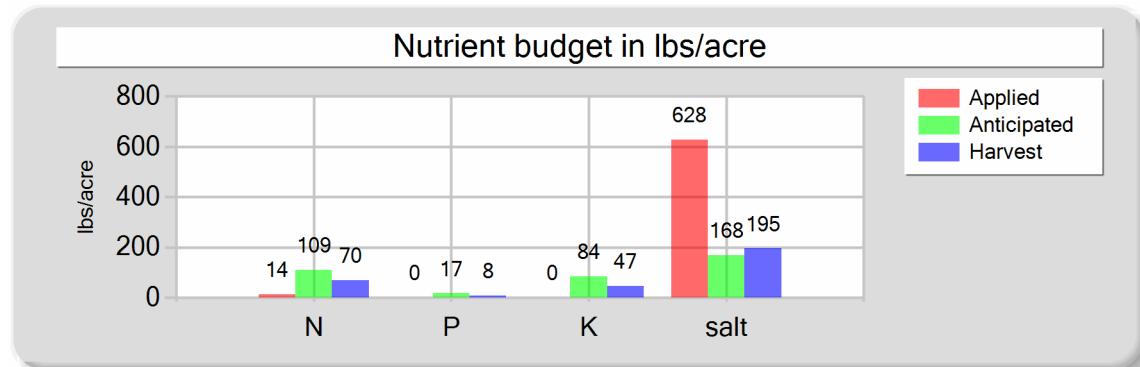
Reporting period 01/01/2023 to 12/31/2023.

13 - 01/05/2014: Almond, in shell

Field name: 13

Crop: Almond, in shell

Plant date: 01/05/2014



	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	627.50
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	627.50
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	69.86	7.92	47.06	195.18
Nutrient balance	-55.86	-7.92	-47.06	432.32
Applied to removed ratio	0.20	0.00	0.00	3.21

**Fresh water applied**  
193,000,000.00 gallons  
7,107.53 acre-inches  
46.15 inches/acre

**Process wastewater applied**  
0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**  
1 harvests

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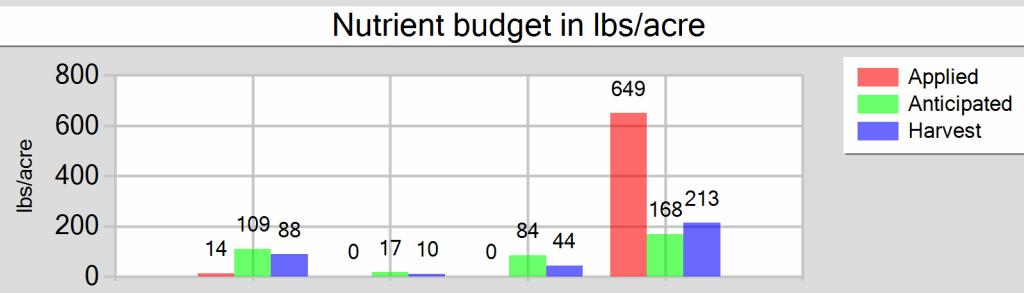
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14 - 01/05/2014: Almond, in shell

Field name: 14

Crop: Almond, in shell

Plant date: 01/05/2014



	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	649.11
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	649.11
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	88.39	9.88	44.45	213.43
Nutrient balance	-74.39	-9.88	-44.45	435.68
Applied to removed ratio	0.16	0.00	0.00	3.04

**Fresh water applied**

180,200,000.00 gallons  
6,636.15 acre-inches  
47.74 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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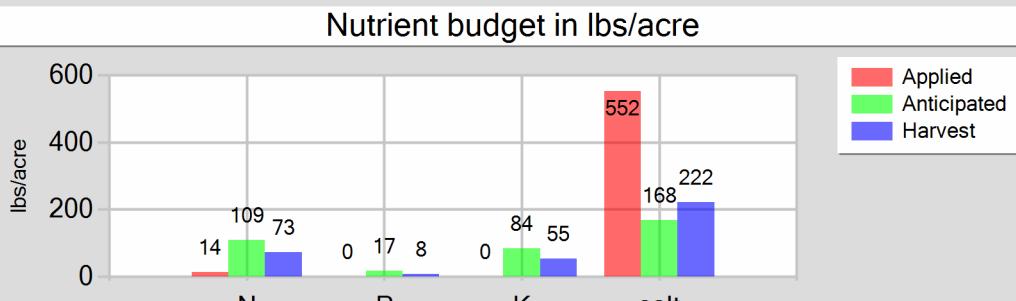
Reporting period 01/01/2023 to 12/31/2023.

15 - 01/06/2015: Almond, in shell

Field name: 15

Crop: Almond, in shell

Plant date: 01/06/2015



	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	551.85
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	551.85
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	72.54	7.75	54.53	222.37
Nutrient balance	-58.54	-7.75	-54.53	329.48
Applied to removed ratio	0.19	0.00	0.00	2.48

**Fresh water applied**

102,500,000.00 gallons  
3,774.73 acre-inches  
40.59 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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

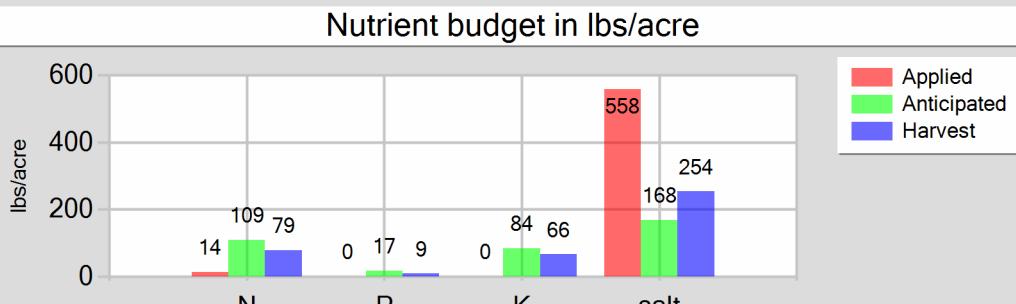
Reporting period 01/01/2023 to 12/31/2023.

16 - 01/06/2015: Almond, in shell

Field name: 16

Crop: Almond, in shell

Plant date: 01/06/2015



	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	558.33
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	558.33
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	79.13	8.89	66.09	253.70
Nutrient balance	-65.13	-8.89	-66.09	304.63
Applied to removed ratio	0.18	0.00	0.00	2.20

**Fresh water applied**

59,100,000.00 gallons  
2,176.45 acre-inches  
41.07 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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

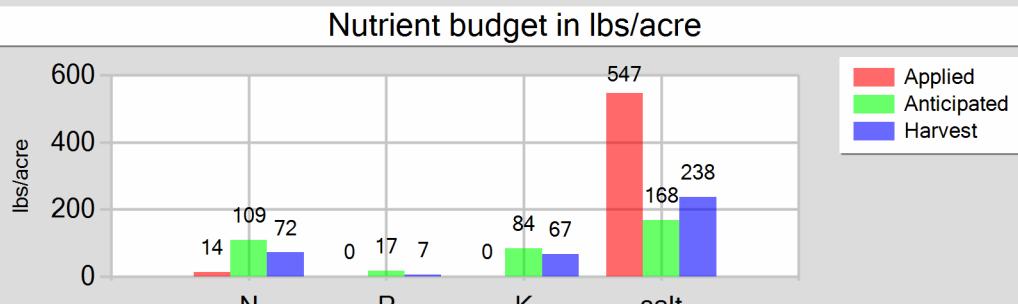
Reporting period 01/01/2023 to 12/31/2023.

9 - 01/10/2015: Almond, in shell

Field name: 9

Crop: Almond, in shell

Plant date: 01/10/2015



	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	547.45
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	14.00	0.00	0.00	547.45
Anticipated crop nutrient removal	109.20	16.80	84.00	168.00
Actual crop nutrient removal	72.15	6.78	67.06	237.74
Nutrient balance	-58.15	-6.78	-67.06	309.71
Applied to removed ratio	0.19	0.00	0.00	2.30

**Fresh water applied**

181,500,000.00 gallons  
6,684.03 acre-inches  
40.27 inches/acre

**Process wastewater applied**

0.00 gallons  
0.00 acre-inches  
0.00 inches/acre

**Total harvests for the crop**

1 harvests

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

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

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

Sample and source description: Manure

Sample date: 05/01/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 7.0 %

	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	15,900.00	5,400.00	23,800.00							
DL	100.00	200.00	200.00							

**Manure**

Sample and source description: Manure

Sample date: 10/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 10.2 %

	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	18,300.00	6,700.00	19,500.00							
DL	100.00	200.00	200.00							

**B. PROCESS WASTEWATER ANALYSES****Lagoon**

Sample and source description: Lagoon

Sample date: 11/10/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	141.00	37.70	0.00	0.00	19.10	127.00								2,100.00	1,390
DL	10.00	2.00	0.10	0.10	0.20	0.50								100.00	10

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

**Lagoon**

Sample and source description: Lagoon

Sample date: 03/08/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.00

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	206.00	10.90		2.00	8.00	154.00	0.00	20.00	120.00	1,070.00	0.00	23.70	139.00	1,110.00	732
<b>DL</b>	10.00	2.00		2.00	0.20	0.50	2.00	2.00	2.00	5.00	5.00	2.00	2.00	100.00	10

**Lagoon**

Sample and source description: Lagoon

Sample date: 05/01/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	130.00	47.90			21.70	275.00								910.00	604
<b>DL</b>	10.00	2.00			0.20	0.50								100.00	10

**Lagoon**

Sample and source description: Lagoon

Sample date: 08/02/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	72.00	4.80			8.50	60.40								490.00	325
<b>DL</b>	10.00	2.00			0.20	0.50								100.00	10

**Lagoon**

Sample and source description: Lagoon

Sample date: 11/07/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: \_\_\_\_\_

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
<b>Value</b>	121.00	22.70	0.00	0.00	4.40	85.40								950.00	631
<b>DL</b>	10.00	2.00	2.00	2.00	0.20	0.50								100.00	10

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

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

**C. FRESH WATER ANALYSES****BW Dairy****Domestic Well**

Sample description: Domestic Well

Sample date: 12/06/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00	0.00	0.00	16.00	0.00	87.00	120.00	0.00	32.60	26.00	498.00	290
DL	0.20	0.10	0.10	1.00	1.00	1.00	10.00	10.00	0.17	1.00	1.00	20

**Kern Delta ID****Kern Delta ID**

Sample description: Kern Delta ID

Sample date: 06/28/2023 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								69.00	60
DL	0.50		0.40								1.00	20

**D. SOIL ANALYSES**

No soil analyses entered.

**E. PLANT TISSUE ANALYSES**

10 - 01/10/2015: Almond, in shell

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

10 - 01/10/2015: Almond, in shell

**Almonds**Sample and source description: AlmondsSample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 5.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	30,200.00	3,300.00	20,600.00		9.21
<b>DL</b>	500.00	200.00	200.00		0.05

11 - 04/08/2019: Alfalfa, hay

**Alfalfa**Sample and source description: AlfalfaSample date: 11/07/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 9.7 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	36,200.00	2,900.00	19,200.00		20.70
<b>DL</b>	500.00	200.00	200.00		0.05

12 - 03/15/2021: Almond, in shell

**Almonds**Sample and source description: AlmondsSample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 5.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	28,400.00	3,500.00	15,400.00		7.90
<b>DL</b>	500.00	200.00	200.00		0.05

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

13 - 01/05/2014: Almond, in shell

**Almonds**

Sample and source description: Almonds

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 5.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	29,100.00	3,300.00	19,600.00		8.13
<b>DL</b>	500.00	200.00	200.00		0.05

14 - 01/05/2014: Almond, in shell

**Almonds**

Sample and source description: Almonds

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 5.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	34,000.00	3,800.00	17,100.00		8.21
<b>DL</b>	500.00	200.00	200.00		0.05

15 - 01/06/2015: Almond, in shell

**Almonds**

Sample and source description: Almonds

Sample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 6.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	29,000.00	3,100.00	21,800.00		8.89
<b>DL</b>	500.00	200.00	200.00		0.05

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

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

16 - 01/06/2015: Almond, in shell

## Almonds

Sample and source description: AlmondsSample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 6.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	26,700.00	3,000.00	22,300.00		8.56
<b>DL</b>	500.00	200.00	200.00		0.05

9 - 01/10/2015: Almond, in shell

## Almonds

Sample and source description: AlmondsSample date: 09/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 7.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
<b>Value</b>	29,800.00	2,800.00	27,700.00		9.82
<b>DL</b>	500.00	200.00	200.00		0.05

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

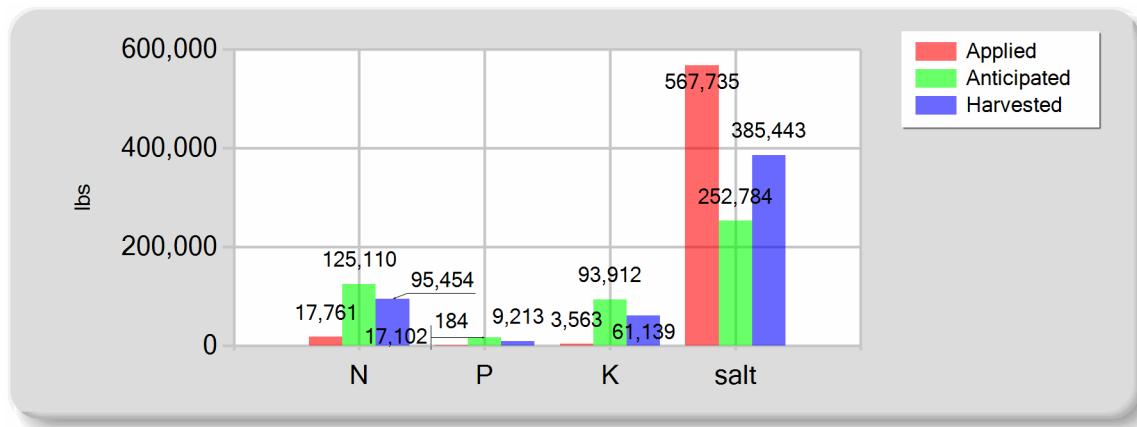
No subsurface (tile) drainage analyses entered.

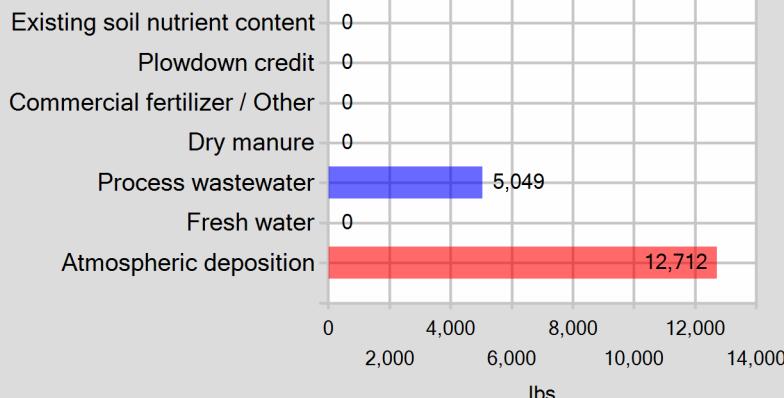
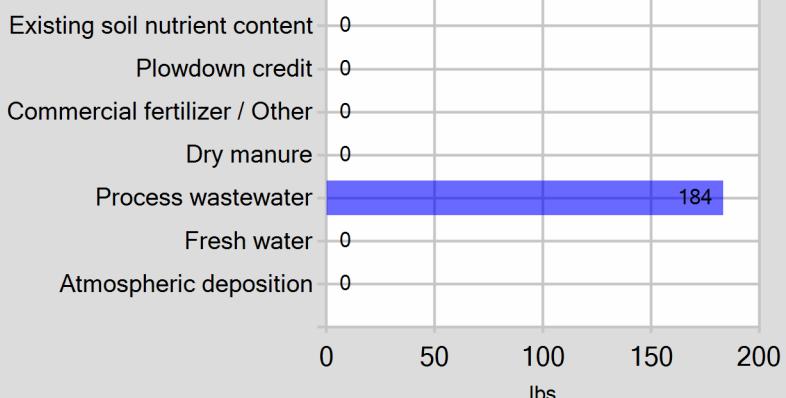
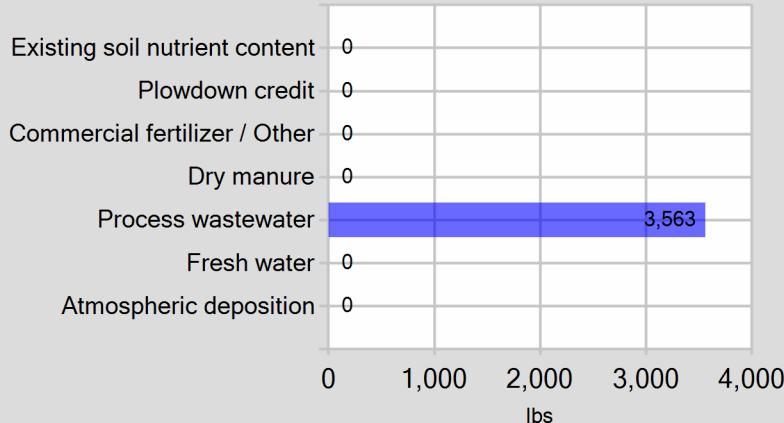
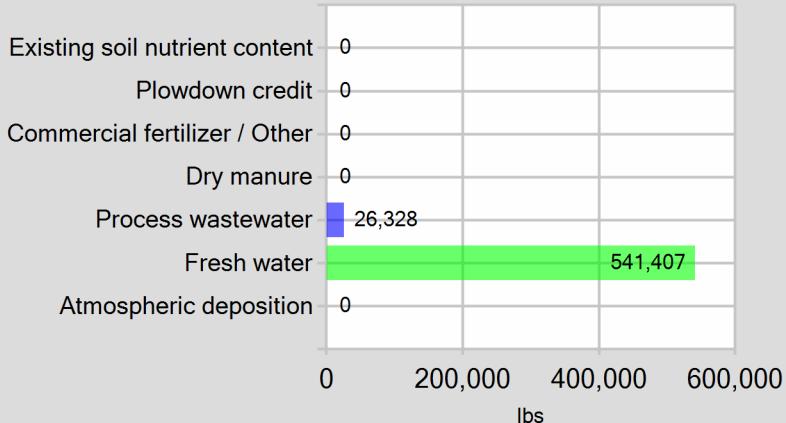
**Annual Report - General Order No. R5-2007-0035**

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

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

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	5,048.73	183.59	3,563.32	26,328.48
Fresh water	0.00	0.00	0.00	541,406.91
Atmospheric deposition	12,712.00	0.00	0.00	0.00
<b>Total nutrients applied</b>	<b>17,760.73</b>	<b>183.59</b>	<b>3,563.32</b>	<b>567,735.39</b>
Anticipated crop nutrient removal	125,109.60	17,102.40	93,912.00	252,784.00
Actual crop nutrient removal	95,454.17	9,213.30	61,138.62	385,442.88
<b>Nutrient balance</b>	<b>-77,693.45</b>	<b>-9,029.71</b>	<b>-57,575.31</b>	<b>182,292.50</b>
Applied to removed ratio	0.19	0.02	0.06	1.47

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

**C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE****Pounds of nitrogen applied****Pounds of phosphorus applied****Pounds of potassium applied****Pounds of salt applied**

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

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

**EXCEPTION REPORTING**

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

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

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

**B. STORM WATER DISCHARGES**

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

*No stormwater discharges occurred during the reporting period.*

**C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES**

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

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

**NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS**

**A. NUTRIENT MANAGEMENT PLAN STATEMENTS**

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

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

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

**B. EXPORT AGREEMENT STATEMENT**

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

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

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

**ADDITIONAL NOTES**

**A. NOTES**

Wells BW10, BW13, and BW14 were Out of Service in 2023.

Field 12 was planted Almonds in 2021 and is non-bearing.

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

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

**ANNUAL REPORT VALIDATION INFORMATION**

**A. VALIDATION ERRORS**

The following sections contain validation errors and should be reviewed before submitting the Annual Report :

1. Harvest Events

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

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

**ATTACHMENTS**

**A. REQUIRED ATTACHMENTS**

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

**Annual Dairy Facility Assessment**

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

**Manure/Process Wastewater Tracking Manifests**

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

**Corrective Actions Documents**

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

**Groundwater Monitoring**

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

**Storm Water Monitoring**

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

Annual Report - General Order No. R5-2007-0035  
Reporting period 01/01/2023 to 12/31/2023.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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



SIGNATURE OF OWNER OF FACILITY

Wildwood Farms LLC

PRINT OR TYPE NAME

6/14/2024

DATE



SIGNATURE OF OPERATOR OF FACILITY

John Bidart

PRINT OR TYPE NAME

6/14/2024

DATE

July 17, 2023

**Sentry Ag Services**  
Attn: Monique Baldivez  
P.O. Box 7750  
Visalia, CA 93290

**Lab No.** : VI 2344348  
**Customer No.** : 4019696  
**Reference** : 3047

### Laboratory Report

**Introduction:** This report package contains a total of 3 pages divided into 3 sections:

- |                 |          |   |
|-----------------|----------|---|
| Case Narrative  | (1 page) | : An overview of the work performed at FGL. |
| Sample Results  | (1 page) | : Results for each sample submitted.        |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results.  |

### Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
Kern Delta I.D.	06/28/2023	06/28/2023	VI 2344348-001	AGW

### Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

### Test Summary

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: KEH

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
Title: Laboratory Director  
Date: 2023-07-17

Section: Case Narrative

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Page 1 of 3

Corporate Offices & Laboratory	Office & Laboratory	Office & Laboratory	Office & Laboratory	Office & Laboratory
853 Corporation Street Santa Paula, CA 93060 TEL: (805)392-2000 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063 CA ELAP Certification No. 1573	2500 Stagecoach Road Stockton, CA 95215 TEL: (209)942-0182 FAX: (209)942-0423 CA ELAP Certification No. 1563	563 E. Lindo Avenue Chico, CA 95926 TEL: (530)343-5818 FAX: (530)343-3807 CA ELAP Certification No. 2670	3442 Empressa Drive, Suite D San Luis Obispo, CA 93401 TEL: (805)783-2940 FAX: (805)783-2912 CA ELAP Certification No. 2775	9415 W. Goshen Avenue Visalia, CA 93291 TEL: (559)734-9473 FAX: (559)734-8435 CA ELAP Certification No. 2810

July 17, 2023

**Sentry Ag Services**  
 Attn: Monique Baldivez  
 P.O. Box 7750  
 Visalia, CA 93290

Description : Kern Delta I.D.  
 Project : Kern Delta I.D.

Lab No. : VI 2344348-001  
 Customer No. : 4019696  
 Reference : 3047  
 Sampled On : June 28, 2023 at 07:40  
 Sampled By : Klay  
 Received On : June 28, 2023 at 10:44  
 Matrix : Ag Water

### Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
<b>Dairy Analysis</b>													
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	17:56	lcr
Nitrate Nitrogen	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	14:21	lfs
Nitrogen, Total as Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	Calc.	07/14/2023	17:56	lcr
Nitrate + Nitrite as N	ND	0.4	mg/L		1	U	06/29/2023	12:00	lfs	SM 4500-NO3 F	06/29/2023	14:21	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/11/2023	15:00	sta	EPA 351.2	07/14/2023	17:56	lcr
Conductivity	69	1	umhos/cm		1		07/05/2023	14:10	amm	SM 4500-H+B	07/06/2023	00:19	sta
Solids, Total Dissolved (TDS)	60	20	mg/L		1		06/29/2023	17:00	ctl	SM 2540 C	06/30/2023	11:50	ctl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

July 17, 2023

**Sentry Ag Service**

Lab No. : VI 2344348  
Customer No. : 4019696

**Quality Control - Wet Chem**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Wet Chem</b>								
E. C.	2320B	(STK2338534-002)	Dup	umhos/cm		0.3%	5	
Solids, Total Dissolved	2540CE	06/29/2023:207182CTL (VI 2344376-001) (VI 2344376-001)	Blank LCS Dup Dup	mg/L mg/L mg/L mg/L	993.7	ND 99.2% 1.12% 1.19%	<20 90-110 5 5	
Nitrogen, Total Kjeldahl	351.2	07/11/2023:207567STA (STK2338587-006) (STK2338587-005)	Blank LCS MS MSDP MS MSDP	mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00 12.00	ND 97.7% 92.5% 91.2% 1.4% 97.1% 96.0% 1.1%	<0.5 73-124 54-136 54-136 ≤27 54-136 54-136 ≤27	
Nitrate + Nitrite as N	4500NO3F	06/29/2023:207183LFS (SP 2311039-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 97.1% 91.3% 93.1% 1.1%	<0.4 80-120 66-125 66-125 ≤30.4	
Nitrate Nitrogen	4500NO3F	06/29/2023:207183LFS (SP 2311039-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 97.1% 91.3% 93.1% 1.1%	<0.4 80-120 66-125 66-125 ≤30.4	

**Definition**

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.



2344348  
Laboratory Analysis Work Order

3047

SITE NAME: Kern Delta I.D.

Billing: Sentry Ag Services, LLC

P.O. Box 7750, Visalia, CA 93290

LABORATORY: VT FGL 4-19696

Authorized Copy Release to:

labs@sentryagservices.com

## ANALYSIS TO BE COMPLETED

## Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO<sub>3</sub>N (Dom)
- W2 EC, NO<sub>3</sub>N, TDS, TN (Irr)
- W3 NH<sub>4</sub>-N (Ammonium)
- W4 EC, NO<sub>3</sub>N, Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>S, Cl, TDS (Dom, GM)
- W5 EC, NO<sub>3</sub>N, TDS, TN, Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>S, Cl (Irr, GM)
- W6 NO<sub>3</sub>N, NO<sub>2</sub> (Dom ILRP, Annually)
- W7 Ca, Mg, Na, K, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>, Cl + Lab Filtering (GWM)
- W8 Other: \_\_\_\_\_

ROI  
5.4

## Plant Tissue

- P1 TN, NO<sub>3</sub>N, PO<sub>4</sub>P, K (Mid Season - Wheat)
- P2 TN, P, K (Mid-season - Corn)
- P3 TN, TP, TK, Ash, %M (At Harvest)
- P4 TN, %M
- P5 % Moisture
- P6 NIR
- P7 Other: \_\_\_\_\_

## Process Waste Water (lagoon)

- L1 EC, NH<sub>4</sub>N, TKN, TP, TK, TDS (Quarterly)
- L2 EC, NO<sub>3</sub>N, NH<sub>4</sub>N, TKN, TP, TK, TDS, pH (Annually)
- L3 Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>S, Cl (Biennially)
- L4 Other: \_\_\_\_\_

## Manure

- M1 TN, TP, TK, %M (2/year)
- M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)
- M3 Other: \_\_\_\_\_

## Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO<sub>3</sub>N, PO<sub>4</sub>P, K-AA, Zn, Mn, Fe, Cu, SO<sub>4</sub>S
- S2 S1 + CEC, CaCO<sub>3</sub>, OM, C:N, TN
- S3 NO<sub>3</sub>N, NH<sub>4</sub>N
- S4 Other: \_\_\_\_\_

Sample ID	Description	Analysis	Date/Time	Sampled by	SAS USE ONLY: FIELD TESTS		
					NH <sub>3</sub> N *	pH	Temp
1	Kern Delta I.D	Cana l	W2	6/28/23 7:46	Klay	—	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

\* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling &amp; Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures or the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

## CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 <sup>st</sup>	Klay Mittel	SAS		6/28/23 10:44
2 <sup>nd</sup>	SRO	FGL	6-28-23 1044	
3 <sup>rd</sup>	SRO	FGL		
4 <sup>th</sup>		GLS	6-28-23 1730	

LABORATORY USE ONLY

Logged In By: GLS 6/29/23 Total Samples: \_\_\_\_\_

Laboratory No.: \_\_\_\_\_

CDA 1028

**Inter-Laboratory Condition Upon Receipt (Attach to COC)**

Sample Receipt at: STK CC CH **VI**

1. Number of ice chests/packages received: 1 Shipping tracking # OTC
2. Were samples received in a chilled condition? Temps: 201 / 5.4 / / /  
Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
3. Do the number of bottles received agree with the COC? **Yes** No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) **Yes** No
5. VOAs checked for Headspace? **Yes** No **N/A**
6. Were sample custody seals intact? **Yes** No **N/A**
7. If required, was sample split for pH analysis? **Yes** No **N/A**
8. Were all analyses within holding times at time of receipt? **Yes** No **N/A**
9. Verify sample date, time and sampler name **Yes** No **N/A**

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): SRO

**Sample Receipt at SP:**

1. Were samples received in a chilled condition? Temps: 2 / 4 / 4 / 1 /  
Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 559678703 / 7 / 691 / 696
3. Do the number of bottles received agree with the COC? **Yes** No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) **Yes** No
5. Were sample custody seals intact? **Yes** No **N/A**

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

**Sample Verification, Labeling and Distribution:**

1. Were all requested analyses understood and acceptable? **Yes** No
2. Did bottle labels correspond with the client's ID's? **Yes** No
3. Were all bottles requiring sample preservation properly preserved? **Yes** No N/A FGL  
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** No **N/A**
5. Have rush or project due dates been checked and accepted? **Yes** No **N/A**
6. Were all analyses within holding times at time of receipt? **Yes** No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CDA

**Discrepancy Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Initiated By: \_\_\_\_\_ Date: \_\_\_\_\_  
Problem:  
Resolution:
2. Person Contacted: \_\_\_\_\_ (4019696)  
Initiated By: \_\_\_\_\_  
Problem:  
Resolution:

(Please use the back of this sheet for additional contacts)

Sentry Ag Service  
VI 2344348  
iv 06/28/2023 11:43:22  
  
UT 2344348

December 18, 2023

**Sentry Ag Services**  
Attn: Monique Baldivez  
P.O. Box 7750  
Visalia, CA 93290

**Lab No.** : VI 2348237  
**Customer No.** : 4019696  
**Reference** : 3464

## Laboratory Report

**Introduction:** This report package contains a total of 4 pages divided into 3 sections:

- |                 |           |   |
|-----------------|-----------|---|
| Case Narrative  | (1 page)  | : An overview of the work performed at FGL. |
| Sample Results  | (1 page)  | : Results for each sample submitted.        |
| Quality Control | (2 pages) | : Supporting Quality Control (QC) results.  |

## Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
BW Dairy	12/06/2023	12/06/2023	VI 2348237-001	DW

## Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

## Test Summary

EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 300.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: JRD

Approved By **Kelly A. Dunnahoo, B.S.** 

Digitally signed by Kelly A. Dunnahoo, B.S.  
Title: Laboratory Director  
Date: 2023-12-18

Section: Case Narrative

Page 1 of 4

Page 1 of 4

## Corporate Offices & Laboratory

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Santa Paula, CA 93060  
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Env FAX: (805)525-4172 / Ag FAX: (805)392-2063  
CA ELAP Certification No. 1573

## Office & Laboratory

2500 Stagecoach Road  
Stockton, CA 95215  
TEL: (209)942-0182  
FAX: (209)942-0423  
CA ELAP Certification No. 1563

## Office & Laboratory

563 E. Lindo Avenue  
Chico, CA 95926  
TEL: (530)343-5818  
FAX: (530)343-3807  
CA ELAP Certification No. 2670

## Office & Laboratory

3442 Empresa Drive, Suite D  
San Luis Obispo, CA 93401  
TEL: (805)783-2940  
FAX: (805)783-2912  
CA ELAP Certification No. 2775

## Office & Laboratory

9415 W. Goshen Avenue  
Visalia, CA 93291  
TEL: (559)734-9473  
FAX: (559)734-8435  
CA ELAP Certification No. 2810

December 18, 2023

**Sentry Ag Services**  
 Attn: Monique Baldivez  
 P.O. Box 7750  
 Visalia, CA 93290

Description : BW Dairy  
 Project : Bear 5 Feedlot

Lab No. : VI 2348237-001  
 Customer No. : 4019696  
 Reference : 3464  
 Sampled On : December 6, 2023 at 10:10  
 Sampled By : Klay Mittel  
 Received On : December 6, 2023 at 12:47  
 Matrix : Drinking Water

### Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis				
							Date	Time	Who	Method	Date	Time	Who	
<b>Dairy Analysis</b>														
Alkalinity (as CaCO <sub>3</sub> )	100	10	mg/L			1		12/09/2023	15:04	amm	SM 4500-H+B	12/10/2023	04:12	amm
Bicarbonate	120	10	mg/L			1		12/09/2023	15:04	amm	SM 4500-H+B	12/10/2023	04:12	amm
Carbonate	ND	10	mg/L			1	U	12/09/2023	15:04	amm	SM 4500-H+B	12/10/2023	04:12	amm
Hydroxide	ND	10	mg/L			1	U	12/09/2023	15:04	amm	SM 4500-H+B	12/10/2023	04:12	amm
Chloride	26	1	mg/L	500 <sup>2</sup>	1	1		12/07/2023	15:59	ldm	EPA 300.0	12/08/2023	17:36	ldm
Nitrate Nitrogen	ND	0.1	mg/L	10	1	J1		12/07/2023	15:59	ldm	EPA 300.0	12/08/2023	17:36	ldm
Conductivity	498	1	umhos/cm	1600 <sup>2</sup>	1			12/09/2023	15:04	amm	SM 4500-H+B	12/10/2023	04:12	amm
Sulfate Sulfur	32.6	0.17	mg/L			1	1	12/07/2023	15:59	ldm	EPA 300.0	12/08/2023	17:36	ldm
Solids, Total Dissolved (TDS)	290	20	mg/L	1000 <sup>2</sup>	1			12/08/2023	10:14	ctl	SM 2540 C	12/11/2023	11:30	ctl
Calcium	16	1	mg/L			1		12/15/2023	07:10	ejc	EPA 200.7	12/15/2023	14:39	ac
Magnesium	ND	1	mg/L			1	U	12/15/2023	07:10	ejc	EPA 200.7	12/15/2023	14:39	ac
Potassium	1	1	mg/L			1		12/15/2023	07:10	ejc	EPA 200.7	12/15/2023	14:39	ac
Sodium	87	1	mg/L			1		12/15/2023	07:10	ejc	EPA 200.7	12/15/2023	14:39	ac

DQF Flags Definition:

U Constituent results were non-detect.

1 The MS/MSD did not meet QC criteria.

J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

December 18, 2023  
**Sentry Ag Service**

Lab No. : VI 2348237  
Customer No. : 4019696

### Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Metals</b>								
Calcium	200.7	12/15/2023:214106EJC  (CH 2390218-001)	Blank LCS MS MSD MSRPD  (SP 2320439-002)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 4.3% 12.00 12.00	ND 101% 111% 101% 4.3% 55.7% 124% 6.0%	<1 85-115 75-125 75-125 ≤20.0 <¼ 75-125 ≤20.0	406
Magnesium	200.7	12/15/2023:214106EJC  (CH 2390218-001)	Blank LCS MS MSD MSRPD  (SP 2320439-002)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 6.7% 12.00 12.00	ND 100% 105% 96.6% 6.7% 102% 113% 2.9%	<1 85-115 75-125 75-125 ≤20 75-125 75-125 ≤20	
Potassium	200.7	12/15/2023:214106EJC  (CH 2390218-001)	Blank LCS MS MSD MSRPD  (SP 2320439-002)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 6.5% 12.00 12.00	ND 98.9% 105% 98.0% 6.5% 102% 107% 3.9%	<1 85-115 75-125 75-125 ≤20.0 75-125 75-125 ≤20.0	
Sodium	200.7	12/15/2023:214106EJC  (CH 2390218-001)	Blank LCS MS MSD MSRPD  (SP 2320439-002)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 4.5% 12.00 12.00	ND 102% 110% 102% 4.5% 85.0% 111% 6.8%	<1 85-115 75-125 75-125 ≤20.0 75-125 75-125 ≤20.0	

#### Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.  
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.  
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.  
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.  
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.  
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.  
ND : Non-detect - Result was below the DQO listed for the analyte.

#### Explanation

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.

### Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Wet Chem</b>								
Alkalinity (as CaCO3)	2320B	12/09/2023:213884AMM	ND	mg/L		0.5%	10	406
Bicarbonate	2320B	(STK2356452-001)	Dup	mg/L		0.8%	10	
E. C.	2320B	(STK2356452-001)	Dup	umhos/cm		0.5%	5	
Solids, Total Dissolved	2540CE	12/08/2023:213823CTL  (CC 2384328-001) (CC 2384328-001)	Blank  LCS  Dup  Dup	mg/L  mg/L  mg/L  mg/L	991.5	ND  97.7%  2.91%  0.2%	<20  90-110  5  5	
Chloride	300.0	12/07/2023:213946LDM  (VI 2348244-001)	Blank  LCS  MS  MSD  MSRPD	mg/L  mg/L  mg/L  mg/L  mg/L	25.00  50.00  50.00	ND  101%  96.3%  -52.9%  199.1%	<1  90-110  67-117  67-117  ≤7	435  435
Nitrate Nitrogen	300.0	12/07/2023:213946LDM  (VI 2348244-001)	Blank  LCS  MS  MSD  MSRPD	mg/L  mg/L  mg/L  mg/L  mg/L	20.00  40.00  40.00	ND  101%  105%  0.100%  199.0%	<0.4  90-110  86-112  86-112  ≤7	435  435
Sulfate Sulfur	300.0	12/07/2023:213946LDM  (VI 2348244-001)	Blank  LCS  MS  MSD  MSRPD	mg/L  mg/L  mg/L  mg/L  mg/L	50.00  100.0  100.0	ND  102%  105%  0.0150%  199.0%	<0.5  90-110  18-165  18-165  ≤7	435  435

#### Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.

#### Explanation

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
- 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



# Laboratory Analysis Work Order

3464

2348237

SITE NAME: Bear S Feedlot

LABORATORY: VT

FGL 4-19696

Billing: Sentry Ag Services, LLC  
P.O. Box 7750, Visalia, CA 93290Authorized Copy Release to:  
labs@sentryagservices.com

## ANALYSIS TO BE COMPLETED

### Irrigation/Ground Water (ELAP Standards)

- W1 EC, NO<sub>3</sub>N (Dom)  
 W2 EC, NO<sub>3</sub>N, TDS, TN (Irr)  
 W3 NH<sub>4</sub>-N (Ammonium)  
 W4 EC, NO<sub>3</sub>N, Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>S, Cl, TDS (Dom, GM) 7.8°C RST  
 W5 EC, NO<sub>3</sub>N, TDS, TN, Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>S, Cl (Irr, GM)  
 W6 NO<sub>3</sub>N, NO<sub>2</sub> (Dom ILRP, Annually)  
 W7 Ca, Mg, Na, K, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>, Cl + Lab Filtering (GWM) TH-407  
 W8 Other: \_\_\_\_\_

### Plant Tissue

- P1 TN, NO<sub>3</sub>N, PO<sub>4</sub>P, K (Mid Season - Wheat)  
 P2 TN, P, K (Mid-season - Corn)  
 P3 TN, TP, TK, Ash, %M (At Harvest)  
 P4 TN, %M  
 P5 % Moisture  
 P6 NIR  
 P7 Other: \_\_\_\_\_

### Process Waste Water (lagoon)

- L1 EC, NH<sub>4</sub>N, TKN, TP, TK, TDS (Quarterly)  
 L2 EC, NO<sub>3</sub>N, NH<sub>4</sub>N, TKN, TP, TK, TDS, pH (Annually)  
 L3 Ca, Mg, Na, HCO<sub>3</sub>, CO<sub>3</sub>, SO<sub>4</sub>S, Cl (Biennially)  
 L4 Other: \_\_\_\_\_

### Manure

- M1 TN, TP, TK, %M (2/year)  
 M2 TN, TP, K, %M, Ca, Mg, Na, S, Cl, ash (Biennially)  
 M3 Other: \_\_\_\_\_

### Soil

- S1 SP%, pH, EC, Ca, Mg, Na, K, ESP, LP, B, NO<sub>3</sub>N, PO<sub>4</sub>P, K-AA, Zn, Mn, Fe, Cu, SO<sub>4</sub>S  
 S2 S1 + CEC, CaCO<sub>3</sub>, OM, C:N, TN  
 S3 NO<sub>3</sub>N, NH<sub>4</sub>N  
 S4 Other: \_\_\_\_\_

Sample ID	Description	Analysis	Date/Time	Sampled by	SAS USE ONLY: FIELD TESTS		
					NH <sub>3</sub> N *	pH	Temp
1 BW Dairy	Dom. Well	W4	12/6/23 10:10	Klay	—		
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

\* Field Test of ammonium nitrogen may only be made by a trained technician. Positive test to be analyzed for ammonium nitrogen by the laboratory.

All samples are to follow the procedures noted in the Sampling &amp; Analysis Plan of the NMP and the RWQCB specifications. Any samples taken outside of these procedures shall provide the procedures on the notes below. Additionally, if any preservatives are used in the collections or processing of samples, please note below.

NOTES:

### CHAIN OF CUSTODY RECORDING

	Signature	Company	Received Date & Time	Relinquished Date & Time
1 <sup>st</sup>	Klay M	SAS		12/6/23 12:47
2 <sup>nd</sup>	AJB	F&L	12/6/23 12:47	
3 <sup>rd</sup>	AJB	F&L		12/6/23 17:30
4 <sup>th</sup>	GCS	GCS	12/6/23 17:30	

LABORATORY USE ONLY

Logged In By: \_\_\_\_\_

Total Samples: \_\_\_\_\_

Laboratory No.: \_\_\_\_\_

AJ 12/6/23  
Urg 10:30

### Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: CC CH STK VI

1. Number of ice chests/packages received: 1 Shipping tracking #(s): DTC

2. Temp IR Gun ID #: TH407

3. Were samples received on ice? Yes No Temps: 7.8° C / / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

4. Do the number of bottles received agree with the COC?

Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.)

Yes No

6. VOAs checked for Headspace?

Yes No N/A

7. Were all analyses within holding times at time of receipt?

Yes No

8. Verify sample date, time and sampler name

Yes No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): ADP

### Sample Receipt at SP:

1. Number of ice chests/packages received: 6 Shipping tracking #(s): 5E05107301, 5E05107403

5E05107013, 5E05107403, 5E05107401, 5E05107422

2. Temp IR Gun ID #: 7606

3. Were samples received on ice? Yes No Temps: 1 / 1 / 1 / 1 / 1 , 1

Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

4. Do the number of bottles received agree with the COC?

Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.)

Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

### Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?

Yes No

2. Did bottle labels correspond with the client's ID's?

Yes No

3. Were all bottles requiring sample preservation properly preserved?

Yes No N/A FGL

[Exception: Oil & Grease, VOA and CrVI verified in lab]

4. VOAs checked for Headspace?

Yes No N/A

5. Have rush or project due dates been checked and accepted?

Yes No N/A

6. Were all analyses within holding times at time of receipt?

Yes No N/A

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): JDC

### Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Initiated By: \_\_\_\_\_ Date: \_\_\_\_\_

Problem:

Resolution:

2. Person Contacted: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Initiated By: \_\_\_\_\_

(4019696)

Sentry Ag Service

VI 2348237

cda 12/06/2023 16:58:30



U1 2348237

**ATTACHMENT D**

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

**Instructions:**

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

<b>Operator Information:</b>			
Name of Operator: _____			
Name of Dairy Facility: <u>BEAN 5</u>			
Facility Address: <u>12139 BEAN MN</u>		<u>BEAN</u>	<u>93313</u>
Number and Street		City	Zip Code
Contact Person Name and Phone Number: _____			
		Name	Phone Number
<b>Manure/Process Wastewater Hauler Information:</b>			
Name of Hauling Company/Person: <u>B.C.S.</u>			
Address of Hauling Company /Person: <u>9442 BEAN MN</u>		<u>BEAN</u>	<u>93317</u>
Number and Street		City	Zip Code
Contact Person: <u>FRED AMMUN</u> _____			
		Name	Phone Number
<b>Destination Information:</b>			
Composting Facility <input checked="" type="checkbox"/> Broker / Farmer / Other (identify) _____ (please circle one)			
Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):			
<u>AMMUN A6 6701 Mc DOWELL DR</u>		<u>BEAN</u>	<u>93313</u>
Name		Number and Street	City
			Zip Code
			Phone Number
Manure/Process Wastewater Destination Address or Assessor's Parcel Number:			
Number and Street		City	Zip Code
			Assessor's Parcel Number
Dates Hauled: <u>3/3/23</u>			
<b>Amount Hauled:</b>			
Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:			
Manure: <u>176.23</u> Tons or Cubic Yards (indicate which units used)			
Manure Solids Content (if amount reported in tons): <u>D.M. 72%</u>			
Manure Density (if amount reported in cubic yards): _____			

**Attachment D**

## **Waste Discharge Requirements General Order No. R5-2007-0035 Existing Milk Cow Dairies**

D-2

Method used to determine amount of manure: Dry

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

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

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

## **Written Agreement:**

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

Yes             No

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.  
\_\_\_\_\_ (Operator shall provide initials here to acknowledge this requirement)

### **Certification:**

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

Operator's Signature: John Doe Date: 5/14/24

Hauler's Signature:  Date: 6/4/24

## **ATTACHMENT D**

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

**Instructions:**

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

### **Operator Information:**

Name of Operator: \_\_\_\_\_

Name of Dairy Facility: Bear 5

Contact Person Name and Phone Number:

### **Manure/Process Wastewater Hauler Information:**

Name of Hauling Company/Person:

Address of Hauling Company /Person: Gizid DEEN NEW 1321 9331  
Number and Street                      City                      Zip Code

### **Destination Information:**

**Composting Facility/ Broker/ Farmer / Other (identify) \_\_\_\_\_ (please circle one)**

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

**AG-NEW** 9772 3RD AVENUE 1729 93311 611-833-8833  
Name Number and Street City Zip Code Phone Number

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

---

**Number and Street**      **City**      **Zip Code**      **Assessor's Parcel Number**

---

*abnormalities* in the brain, particularly in the frontal lobes, have been reported in patients with schizophrenia.

**Amount Hauled:**

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

Manure: 9363.56 Tops or Cubic Yards (indicate which units used)

**Manure Solids Content (if amount reported in tons):** 72%

Manure Solids Content (if amount reported in tons): 100  
Manure Density (if amount reported in cubic yards):

## **Attachment D**

**Waste Discharge Requirements General Order No. R5-2007-0035**  
**Existing Milk Cow Dairies**

D-2

Method used to determine amount of manure: Dry

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

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

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

### **Written Agreement:**

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

Yes             No

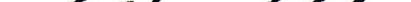
If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.  
\_\_\_\_\_  
(Operator shall provide initials here to acknowledge this requirement).

## **Certification:**

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

Operator's Signature: Eliseo

Date: 5/14/24

Hauler's Signature: 

Date: 6/4/24

## **ATTACHMENT D**

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

### Instructions:

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

<b>Operator Information:</b>				
Name of Operator: _____				
Name of Dairy Facility: <u>BEAM 5</u>				
Facility Address: <u>12139</u>		<u>BEAM MN</u>	<u>BLK 00</u>	<u>93311</u>
Number and Street		City	Zip Code	
Contact Person Name and Phone Number: _____				
<b>Manure/Process Wastewater Hauler Information:</b>				
Name of Hauling Company/Person: <u>B.A.S.</u>				
Address of Hauling Company /Person: <u>91716 BEAM MN</u>		<u>BLK 00</u>	<u>93311</u>	
Number and Street		City	Zip Code	
Contact Person: <u>Fred Amblem</u> _____				
Name		Phone Number		
<b>Destination Information:</b>				
Composting Facility/ <u>Broker</u> / Farmer / Other (identify) _____ (please circle one)				
Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):				
<u>S&amp;E</u>	<u>1216 OAK ST</u>	<u>BLK 00</u>	<u>93301</u>	<u>661-325-2644</u>
Name	Number and Street	City	Zip Code	Phone Number
Manure/Process Wastewater Destination Address or Assessor's Parcel Number:				
Number and Street		City	Zip Code	Assessor's Parcel Number
Dates Hauled: <u>2/21-8/7/23</u>				
<b>Amount Hauled:</b>				
Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:				
Manure: <u>602.35</u> Tons or Cubic Yards (indicate which units used)				
Manure Solids Content (if amount reported in tons): <u>72%</u>				
Manure Density (if amount reported in cubic yards): _____				

**Attachment D**

**Waste Discharge Requirements General Order No. R5-2007-0035**  
**Existing Milk Cow Dairies**

D-2

**Method used to determine amount of manure:** Dairy

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

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

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

**Written Agreement:**

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

Yes       No

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

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

**Certification:**

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

Operator's Signature: CEB/CEC/CY

Date: 5/14/24

Hauler's Signature: CEB/CEC/CY

Date: 5/14/24

**ATTACHMENT D**

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

**Instructions:**

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  - 2) If there are multiple destinations, **complete a separate form for each destination**.
  - 3) The operator must obtain the signature of the hauler upon completion of each manure-hauling event.
  - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

<b>Operator Information:</b>			
Name of Operator: _____			
Name of Dairy Facility: <u>BEAM 5</u>			
Facility Address: <u>12139 BEAM MN</u>		<u>BLK20</u>	<u>93311</u>
Number and Street		City	Zip Code
Contact Person Name and Phone Number: _____			
Name		Phone Number	
<b>Manure/Process Wastewater Hauler Information:</b>			
Name of Hauling Company/Person: <u>B.A.S.</u>			
Address of Hauling Company /Person: <u>gizid BEAM MN 12139 93311</u>		Number and Street	City
Name		Zip Code	
Contact Person: <u>Fred Amorem</u>		<u>601-828-6321</u>	
Name		Phone Number	
<b>Destination Information:</b>			
Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)			
Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):			
<u>KINNISON MN 10100 Olson Rd</u>		<u>BLKM</u>	<u>93307</u>
Name	Number and Street	City	Zip Code
		Phone Number	
Manure/Process Wastewater Destination Address or Assessor's Parcel Number:			
Number and Street		City	Zip Code
Assessor's Parcel Number			
Dates Hauled: <u>8/23 - 12/11/23</u>			
<b>Amount Hauled:</b>			
Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:			
Manure: <u>1241.51</u> Tons or Cubic Yards (indicate which units used)			
Manure Solids Content (if amount reported in tons): <u>72%</u>			
Manure Density (if amount reported in cubic yards): _____			

Attachment D

Waste Discharge Requirements General Order No. R5-2007-0035  
Existing Milk Cow Dairies

D-2

Method used to determine amount of manure: Dairy

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

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

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

**Written Agreement:**

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

Yes  No

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

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

**Certification:**

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

Operator's Signature: CEB/becky Date: 5/14/24

Hauler's Signature: CEB/CF Date: 5/4/24

**ATTACHMENT D**

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For  
Existing Milk Cow Dairies**

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  - 3) The operator must obtain the signature of the hauler upon completion of each manure-hauling event.
  - 4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

## **Operator Information:**

Name of Operator: \_\_\_\_\_

Name of Dairy Facility: BEAN 5

Facility Address: 12139 BEAM MN 93311  
Number and Street      City      Zip Code

**Contact Person Name and Phone Number:**

## **Manure/Process Wastewater Hauler Information:**

Name of Hauling Company/Person:

Contact Person: Fran Amherst Name 601-828-9321 Phone Number

**Destination Information:**

**Composting Facility / Broker / Farmer / Other (identify) \_\_\_\_\_** (please circle one)

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

WING COMMUNITY 289 N MAIN ST B-Unit 97206 661-264-5223  
Name Number and Street City Zip Code Phone Number

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

**Number and Street**      **City**      **Zip Code**      **Assessor's Parcel Number**

Dates Hauled: 1/1/22 - 3/1/23

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

Manure: 7230.00 Tons or Cubic Yards (indicate which units used)

Manure: ~~5000~~ Tons or Cubic Yards (Indicate which units used)  
Manure Solids Content (if amount reported in tons): 72%

**Manure Solids Content (if amount reported in tons):**

Attachment D

Waste Discharge Requirements General Order No. R5-2007-0035  
Existing Milk Cow Dairies

D-2

Method used to determine amount of manure: Dairy

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

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

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

**Written Agreement:**

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

Yes  No

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

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

**Certification:**

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Operator's Signature: CEC Date: 5/14/24

Hauler's Signature: BB Date: 5/4/24