

FERTILIZING MATERIALS TONNAGE REPORT

JANUARY – JUNE 2024



FEED, FERTILIZER, AND LIVESTOCK DRUGS REGULATORY SERVICES
DIVISION OF INSPECTION SERVICES

SACRAMENTO, CALIFORNIA 95814



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

FOREWORD

This publication summarizes State and County tonnage sales/distributions of commercial fertilizers, specialty fertilizers, agricultural minerals, and compost as required by Section 14622 of the Food and Agricultural Code.

The tonnage, by grade and analysis, is computed from licensee reports filed with the California Department of Food and Agriculture, in accordance with Section 14621 of the Food and Agricultural Code.

Licensees are required to report, semi-annually, the tonnage of commercial fertilizers, specialty fertilizers, agricultural minerals, and/or compost sold/distributed in California, as defined in the Food and Agricultural Code, Sections 14512, 14522 and 14563, 14550.5, and 14525. The tonnage of materials is to be reported by the last licensee selling/distributing to unlicensed purchasers.

The tonnage report is a breakdown of the raw materials for nitrogen, phosphorus, potassium, and agricultural mineral materials. The amounts of nitrogen, phosphorus, and potassium ingredients, in differing formulas, are determined by the last licensee, and that amount is placed in the appropriate category.

Keeping the above in mind, this report is only as accurate as the reports received in this office; therefore, the figures may vary from publication to publication.

If you have any questions, please contact our office at the number below.

Sincerely,

Original Signed by Jenna Leal

Jenna Leal,
Environmental Program Manager II



STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS AND AGRICULTURAL MINERALS
TOTAL TONS OF MATERIALS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JULY-DEC 2022	JAN-JUNE 2023	JULY-DEC 2023	JAN-JUNE 2024	JULY-JUNE 2022-2023	JULY-JUNE 2023-2024
2	ANHYDROUS AMMONIA	5,746	2,865	5,924	5,761	8,611	11,685
6	AQUA AMMONIA	18,350	129,441	3,845	128,918	147,791	132,763
10	AMMONIUM NITRATE	207	208	1,166	1,917	415	3,083
12	AMMONIUM NITRATE SOLUTION	18,218	29,375	22,198	31,210	47,593	53,408
20	AMMONIUM POLYSULFIDE	787	125	105	7,538	912	7,643
24	AMMONIUM SULFATE	28,574	52,908	30,621	37,250	81,482	67,871
31	AMMONIUM THIOSULFATE	1,849	4,625	2,526	8,398	6,474	10,924
35	CALCIUM AMMONIUM NITRATE SOLUTION	75,707	178,435	68,110	184,827	254,142	252,937
43	CALCIUM NITRATE	9,225	12,732	14,280	14,706	21,957	28,986
58	NITROGEN SOLUTION 28%	1,652	6,193	3,614	5,386	7,845	9,000
60	NITROGEN SOLUTION 32%	179,755	398,263	162,589	452,582	578,018	615,171
62	SODIUM NITRATE	155	90	9	27	245	36
64	SULFUR COATED UREA	128	63	47	58	191	105
66	UREA	51,793	116,922	56,083	82,653	168,715	138,736
67	UREA SOLUTION	3,248	3,653	1,640	2,939	6,901	4,579
0	NON-FARM USE NITROGEN	37,874	27,460	31,047	18,610	65,334	49,657
98	NITROGEN MATERIALS - COMPOST	6,302	6,323	27,039	8,776	12,625	35,815
203	DIAMMONIUM PHOSPHATE	39	22	16	70	61	86
207	AMMONIUM PHOSPHATE SULFATE	2,091	9,830	1,485	9,348	11,921	10,833
209	MONOAMMONIUM PHOSPHATE	27,363	24,007	52,434	22,177	51,370	74,611
248	PHOSPHORIC ACID	4,152	6,915	13,745	11,983	11,067	25,728
249	LIQUID AMMONIUM POLYPHOSPHATE	18,365	34,825	21,137	43,211	53,190	64,348
263	NORMAL SUPERPHOSPHATE	0	54	0	2	54	2
267	TRIPLE SUPERPHOSPHATE	237	102	122	376	339	498
0	NON-FARM USE PHOSPHORUS	8,206	8,218	10,938	7,465	16,424	18,403
298	PHOSPHORUS MATERIALS - COMPOST	2,689	1,574	2,808	4,418	4,263	7,226
428	MURIATE OF POTASH	13,765	25,059	20,747	26,208	38,824	46,955
443	SULFATE OF POTASH MAGNESIA	15,573	53,144	15,900	19,202	68,717	35,102
453	POTASSIUM NITRATE	2,972	47,669	5,715	7,256	50,641	12,971
463	POTASSIUM SULFATE	50,557	43,093	70,242	53,905	93,650	124,147
0	NON-FARM USE POTASH	6,372	9,656	7,067	9,266	16,028	16,333
498	POTASSIUM MATERIALS - COMPOST	3,427	11,020	6,667	12,858	14,447	19,525
601	BLOOD MEAL	3	79	99	101	82	200
667	SEWAGE SLUDGE	212,737	191,034	109,140	140,122	403,771	249,262
723	COPPER - ALL MATERIALS	195	1,482	399	1,521	1,677	1,920
731	IRON - ALL MATERIALS	556	417	245	716	973	961
732	GYP SUM - ALL MATERIALS	661,155	353,125	679,610	415,747	1,014,280	1,095,357
770	SULFUR	78,206	33,378	44,688	17,397	111,584	62,085
774	SULFURIC ACID	47,569	36,741	65,737	48,732	84,310	114,469
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	281,827	239,910	89,264	174,564	521,737	263,828
907	LIMING MATERIALS - ALL MATERIALS	163,881	113,575	218,460	46,538	277,456	264,998
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	10,492	101,937	12,454	17,914	112,429	30,368
613	OIM BULK COMPOST - NO NUTRIENTS	439,309	181,742	462,428	202,218	621,051	664,646
0	TOTAL	2,463,391	2,498,289	2,342,390	2,284,871	4,961,680	4,627,261

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JUL-DEC 2022 N	JUL-DEC 2022 P2O5	JUL-DEC 2022 K2O	JUL-DEC 2023 N	JUL-DEC 2023 P2O5	JUL-DEC 2023 K2O
0	NON-FARM USE NITROGEN	37,874	0	0	31,047	0	0
0	NON-FARM USE PHOSPHORUS	0	8,206	0	0	10,938	0
0	NON-FARM USE POTASH	0	0	6,372	0	0	7,067
2	ANHYDROUS AMMONIA	4,712	0	0	4,858	0	0
6	AQUA AMMONIA	3,670	0	0	769	0	0
10	AMMONIUM NITRATE	70	0	0	396	0	0
12	AMMONIUM NITRATE SOLUTION	3,644	0	0	4,440	0	0
20	AMMONIUM POLYSULFIDE	157	0	0	21	0	0
24	AMMONIUM SULFATE	6,001	0	0	6,430	0	0
31	AMMONIUM THIOSULFATE	222	0	0	303	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	12,870	0	0	11,579	0	0
43	CALCIUM NITRATE	1,384	0	0	2,142	0	0
58	NITROGEN SOLUTION 28%	463	0	0	1,012	0	0
60	NITROGEN SOLUTION 32%	57,522	0	0	52,028	0	0
62	SODIUM NITRATE	25	0	0	1	0	0
64	SULFUR COATED UREA	46	0	0	17	0	0
66	UREA	23,825	0	0	25,798	0	0
67	UREA SOLUTION	650	0	0	328	0	0
97	NITROGEN MATERIALS - ALL OTHER	79,377	0	0	207,815	0	0
98	NITROGEN MATERIALS - COMPOST	6,302	0	0	27,039	0	0
203	DIAMMONIUM PHOSPHATE	7	18	0	3	7	0
207	AMMONIUM PHOSPHATE SULFATE	335	418	0	238	297	0
209	MONOAMMONIUM PHOSPHATE	3,010	14,229	0	5,768	27,266	0
248	PHOSPHORIC ACID	0	2,242	0	0	7,422	0
249	LIQUID AMMONIUM POLYPHOSPHATE	1,837	6,244	0	2,114	7,187	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	109	0	0	56	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	42,506	0	0	66,090	0
298	PHOSPHORUS MATERIALS - COMPOST	0	2,689	0	0	2,808	0
428	MURIATE OF POTASH	0	0	8,259	0	0	12,448
443	SULFATE OF POTASH MAGNESIA	0	0	3,426	0	0	3,498
453	POTASSIUM NITRATE	416	0	1,308	800	0	2,515
463	POTASSIUM SULFATE	0	0	25,279	0	0	35,121
497	POTASSIUM MATERIALS - ALL OTHER	0	0	70,149	0	0	64,848
498	POTASSIUM MATERIALS - COMPOST	0	0	3,427	0	0	6,667
601	BLOOD MEAL	0	0	0	12	0	0
667	SEWAGE SLUDGE	12,764	4,255	2,127	6,548	2,183	1,091
0	TOTAL	257,181	80,916	120,347	391,506	124,254	133,255

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CODE	MATERIAL NAME	JAN-JUNE 2023	JAN-JUNE 2023	JAN-JUNE 2023	JAN-JUNE 2024	JAN-JUNE 2024	JAN-JUNE 2024
		N	P2O5	K2O	N	P2O5	K2O
0	NON-FARM USE NITROGEN	27,460	0	0	18,610	0	0
0	NON-FARM USE PHOSPHORUS	0	8,218	0	0	7,465	0
0	NON-FARM USE POTASH	0	0	9,656	0	0	9,266
2	ANHYDROUS AMMONIA	2,349	0	0	4,724	0	0
6	AQUA AMMONIA	25,888	0	0	25,784	0	0
10	AMMONIUM NITRATE	71	0	0	652	0	0
12	AMMONIUM NITRATE SOLUTION	5,875	0	0	6,242	0	0
20	AMMONIUM POLYSULFIDE	25	0	0	1,508	0	0
24	AMMONIUM SULFATE	11,111	0	0	7,823	0	0
31	AMMONIUM THIOSULFATE	555	0	0	1,008	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	30,334	0	0	31,421	0	0
43	CALCIUM NITRATE	1,910	0	0	2,206	0	0
58	NITROGEN SOLUTION 28%	1,734	0	0	1,508	0	0
60	NITROGEN SOLUTION 32%	127,444	0	0	144,826	0	0
62	SODIUM NITRATE	14	0	0	4	0	0
64	SULFUR COATED UREA	23	0	0	21	0	0
66	UREA	53,784	0	0	38,020	0	0
67	UREA SOLUTION	731	0	0	588	0	0
97	NITROGEN MATERIALS - ALL OTHER	122,449	0	0	134,690	0	0
98	NITROGEN MATERIALS - COMPOST	6,323	0	0	8,776	0	0
203	DIAMMONIUM PHOSPHATE	4	10	0	13	32	0
207	AMMONIUM PHOSPHATE SULFATE	1,573	1,966	0	1,496	1,870	0
209	MONOAMMONIUM PHOSPHATE	2,641	12,484	0	2,439	11,532	0
248	PHOSPHORIC ACID	0	3,734	0	0	6,471	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,483	11,841	0	4,321	14,692	0
263	NORMAL SUPERPHOSPHATE	0	12	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	47	0	0	173	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	59,842	0	0	64,205	0
298	PHOSPHORUS MATERIALS - COMPOST	0	1,574	0	0	4,418	0
428	MURIATE OF POTASH	0	0	15,035	0	0	15,725
443	SULFATE OF POTASH MAGNESIA	0	0	11,692	0	0	4,224
453	POTASSIUM NITRATE	6,674	0	20,974	1,016	0	3,193
463	POTASSIUM SULFATE	0	0	21,547	0	0	26,953
497	POTASSIUM MATERIALS - ALL OTHER	0	0	211,921	0	0	117,061
498	POTASSIUM MATERIALS - COMPOST	0	0	11,020	0	0	12,858
601	BLOOD MEAL	9	0	0	12	0	0
667	SEWAGE SLUDGE	11,462	3,821	1,910	8,407	2,802	1,401
0	TOTAL	443,925	103,548	303,755	446,114	113,660	190,681

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JULY-JUNE 22-23 N	JULY-JUNE 22-23 P2O5	JULY-JUNE 22-23 K2O	JULY-JUNE 23-24 N	JULY-JUNE 23-24 P2O5	JULY-JUNE 23-24 K2O
0	NON-FARM USE NITROGEN	65,334	0	0	49,657	0	0
0	NON-FARM USE PHOSPHORUS	0	16,424	0	0	18,403	0
0	NON-FARM USE POTASH	0	0	16,028	0	0	16,333
2	ANHYDROUS AMMONIA	7,061	0	0	9,582	0	0
6	AQUA AMMONIA	29,558	0	0	26,553	0	0
10	AMMONIUM NITRATE	141	0	0	1,048	0	0
12	AMMONIUM NITRATE SOLUTION	9,519	0	0	10,682	0	0
20	AMMONIUM POLYSULFIDE	182	0	0	1,529	0	0
24	AMMONIUM SULFATE	17,111	0	0	14,253	0	0
31	AMMONIUM THIOSULFATE	777	0	0	1,311	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	43,204	0	0	42,999	0	0
43	CALCIUM NITRATE	3,294	0	0	4,348	0	0
58	NITROGEN SOLUTION 28%	2,197	0	0	2,520	0	0
60	NITROGEN SOLUTION 32%	184,966	0	0	196,855	0	0
62	SODIUM NITRATE	39	0	0	6	0	0
64	SULFUR COATED UREA	69	0	0	38	0	0
66	UREA	77,609	0	0	63,819	0	0
67	UREA SOLUTION	1,380	0	0	916	0	0
97	NITROGEN MATERIALS - ALL OTHER	201,826	0	0	342,505	0	0
98	NITROGEN MATERIALS - COMPOST	12,625	0	0	35,815	0	0
203	DIAMMONIUM PHOSPHATE	11	28	0	15	40	0
207	AMMONIUM PHOSPHATE SULFATE	1,907	2,384	0	1,733	2,167	0
209	MONOAMMONIUM PHOSPHATE	5,651	26,712	0	8,207	38,798	0
248	PHOSPHORIC ACID	0	5,976	0	0	13,893	0
249	LIQUID AMMONIUM POLYPHOSPHATE	5,319	18,085	0	6,435	21,878	0
263	NORMAL SUPERPHOSPHATE	0	12	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	156	0	0	229	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	102,348	0	0	130,295	0
298	PHOSPHORUS MATERIALS - COMPOST	0	4,263	0	0	7,226	0
428	MURIATE OF POTASH	0	0	23,294	0	0	28,173
443	SULFATE OF POTASH MAGNESIA	0	0	15,118	0	0	7,722
453	POTASSIUM NITRATE	7,090	0	22,282	1,816	0	5,707
463	POTASSIUM SULFATE	0	0	46,825	0	0	62,074
497	POTASSIUM MATERIALS - ALL OTHER	0	0	282,070	0	0	181,909
498	POTASSIUM MATERIALS - COMPOST	0	0	14,447	0	0	19,525
601	BLOOD MEAL	10	0	0	24	0	0
667	SEWAGE SLUDGE	24,226	8,075	4,038	14,956	4,985	2,493
0	TOTAL	701,105	184,464	424,102	837,620	237,914	323,936

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERICAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2024
TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN	
ALAMEDA	0	0	0	0	0	25	3	0	184	136	0	349	0	0	17	3	186	0	199
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
AMADOR	0	0	0	0	0	7	0	0	0	0	1	0	0	0	5	0	6	0	1
BUTTE	0	26,206	0	0	0	2,700	1,031	0	892	393	0	4,637	0	0	6,745	0	1,144	132	1,278
CALAVERAS	0	0	0	0	0	0	4	0	11	0	1	26	0	0	33	0	11	0	12
COLUSA	189	28,682	0	56	76	2,480	43	0	2,582	425	129	13,440	0	0	9,715	4	4,709	0	9
CONTRA COSTA	1,454	0	13	37	0	6	3	0	533	30	0	2,985	0	0	43	0	346	0	293
DEL NORTE	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	4	0	20
EL DORADO	0	0	0	0	0	3	0	0	116	3	0	68	0	0	0	0	4	0	29
FRESNO	79	2	621	438	188	1,575	91	0	34,994	2,173	375	71,347	2	0	5,110	232	9,868	526	468
GLENN	0	21,186	0	0	0	1,996	20	0	1,021	525	1	7,133	0	0	1,349	92	1,287	0	6
HUMBOLDT	0	0	0	0	0	0	0	0	0	7	0	8	0	0	3	0	34	6	320
IMPERIAL	1,308	0	24	4,326	0	1,791	603	0	2,940	135	0	27,957	0	0	25,124	0	8,740	152	6
INYO	0	0	0	0	0	0	19	0	0	0	0	109	0	0	5	0	9	0	0
KERN	671	0	0	99	0	1,388	714	0	19,813	716	438	79,331	12	0	2,388	352	13,260	378	70
KINGS	524	5	0	0	0	1,239	182	0	3,149	72	12	28,749	0	0	5,230	15	1,194	0	4
LAKE	0	0	0	0	0	60	15	0	124	17	0	85	0	0	18	0	57	2	3
LASSEN	0	0	0	0	0	378	0	0	27	0	0	50	0	0	296	0	223	0	2
LOS ANGELES	0	181	0	229	0	267	0	0	189	677	5	718	0	0	156	3	927	83	1,607
MADERA	0	10	35	0	0	88	41	0	12,991	138	32	20,997	0	0	875	39	2,191	69	5
MARIN	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	0	120
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	526	0	4	0	26	58	0	78	34	0	43	0	0	24	0	310	62	118
MERCED	0	2	0	0	0	828	218	0	10,357	113	98	31,335	0	0	919	35	4,668	18	13
MODOC	0	0	0	0	0	1,799	43	0	0	0	0	70	0	38	815	44	435	0	78
MONO	0	0	0	0	0	34	0	0	0	0	0	1	0	0	21	0	3	0	1
MONTEREY	0	10	0	11,362	5,469	861	1,391	6	13,295	293	800	6,805	3	0	708	569	14,241	0	55
NAPA	0	0	0	0	0	1	3	0	335	39	0	44	0	0	12	0	489	1,359	47
NEVADA	0	202	0	0	0	20	0	0	3	4	0	9	0	0	26	0	138	0	42
ORANGE	0	0	2	99	0	193	1	0	401	43	0	329	0	0	65	2	884	0	871
PLACER	0	1,231	0	1	0	93	0	0	104	0	0	401	0	0	304	0	352	0	514
PLUMAS	0	0	0	0	0	3	0	0	0	2	0	0	0	0	19	0	29	0	9
RIVERSIDE	111	0	21	4,356	0	602	0	0	3,929	331	0	5,445	0	0	723	1	1,809	452	1,943
SACRAMENTO	264	2,002	0	0	0	72	172	0	1,220	859	40	3,862	0	0	919	8	3,086	795	731
SAN BENITO	0	0	0	90	200	4	0	0	1,585	4	0	62	0	0	5	0	398	0	1
SAN BERNARDINO	0	0	3	0	0	36	0	0	21	29	0	313	0	0	23	0	532	6	2,361
SAN DIEGO	0	1	496	108	0	148	0	0	745	1,839	1	439	0	0	121	5	1,926	3	889
SAN FRANCISCO	0	286	0	0	0	13	0	0	146	29	0	317	0	0	84	0	434	0	35
SAN JOAQUIN	0	0	0	5	0	670	1,127	0	9,733	335	22	27,523	0	0	4,131	2	4,303	530	1,637
SAN LUIS OBISPO	0	0	0	852	0	223	25	0	1,345	202	15	1,259	0	0	119	72	376	22	65
SAN MATEO	0	57	0	0	0	16	0	0	8	11	0	0	0	0	6	0	199	0	281
SANTA BARBARA	0	0	18	4,869	0	58	120	0	3,632	536	3	6,134	0	0	628	11	2,440	6	192
SANTA CLARA	0	0	0	84	29	37	14	0	919	38	1	699	0	0	105	2	755	56	552
SANTA CRUZ	0	0	0	906	0	18	14	13	738	90	0	173	0	0	69	0	1,031	0	163
SHASTA	0	0	7	26	0	736	7	0	70	75	0	48	0	0	1,036	0	844	0	79
SIERRA	0	0	0	0	0	49	3	0	1	0	0	19	0	0	0	0	0	0	2
SISKIYOU	0	0	0	0	0	605	52	0	575	0	0	143	0	20	1,509	71	12	0	114
SOLANO	592	165	0	409	1,336	1,631	1,041	0	1,339	14	780	4,994	0	0	1,540	1,090	6,506	19	261
SONOMA	0	100	2	137	0	19	33	2	383	402	3	13	0	0	39	0	2,156	140	122
STANISLAUS	162	0	0	0	52	3,735	668	0	16,473	143	273	34,972	0	0	2,116	8	5,735	11	143
SUTTER	0	31,741	0	411	0	5,299	149	0	3,158	328	403	8,545	9	0	1,575	36	5,319	1,202	11
TEHAMA	0	147	0	26	0	1,678	82	0	459	5	2	2,137	0	0	734	0	230	0	144
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	23
TULARE	193	1	0	45	0	1,152	178	0	16,559	2,509	141	28,192	0	0	5,239	229	20,532	2,679	212
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	73	0	0	0	0	1	0	0
VENTURA	0	0	0	1,386	0	106	10	0	5,832	809	0	1,658	0	0	149	9	2,251	0	267
YOLO	214	11,710	675	91	188	1,622	219	0	10,060	56	1,705	26,058	0	0	1,368	5	3,894	20	111
YUBA	0	4,465	0	758	0	758	0	0	401	1	102	1,174	1	0	357	0	1,201	48	12
** UNKNOWN **	0	0	0	0	0	101	1	80	1,357	58	3	1,304	0	0	31	0	2,967	0	2,059
TOTAL	5,761	128,918	1,917	31,210	7,538	37,250	8,398	101	184,827	14,706	5,386	452,582	27	58	82,653	2,939	134,690	8,776	18,610

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE																	
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST																	
JANUARY-JUNE 2024																	
TONS OF PHOSPHORUS AND POTASSIUM MATERIALS - FARM USE AND NON-FARM USE																	
COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHORUS MATERIALS - ALL OTHER	PHOSPHORUS MATERIALS - COMPOST	NON-FARM USE PHOSPHORUS	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER	POTASSIUM MATERIALS - COMPOST	NON-FARM USE POTASH
ALAMEDA	0	0	1	0	1	0	0	95	0	96	0	0	4	7	148	0	118
ALPINE	0	0	3	0	0	0	0	735	0	0	6	0	0	0	0	0	0
AMADOR	0	0	0	0	2	0	0	14	0	1	5	0	0	3	18	0	2
BUTTE	0	561	1,890	0	2,763	0	0	395	1	345	2,526	151	101	1,641	1,166	1	461
CALAVERAS	0	0	0	0	1	0	0	8	0	6	5	0	0	0	6	0	9
COLUSA	0	1,806	2,040	101	2,454	0	0	384	0	4	152	768	24	480	4,115	0	4
CONTRA COSTA	0	0	0	1	18	0	1	573	0	117	66	87	23	41	254	0	223
DEL NORTE	0	0	0	0	0	0	0	1	0	19	0	0	0	0	0	0	17
EL DORADO	0	0	0	0	4	0	0	8	0	3	3	0	0	0	5	0	7
FRESNO	0	0	889	1,294	4,597	0	66	8,116	285	126	470	3,737	117	4,658	19,409	204	1,577
GLENN	0	833	1,232	4	109	0	0	606	0	0	109	155	35	2,328	1,798	0	0
HUMBOLDT	0	0	0	0	0	0	0	294	3	294	0	0	0	0	18	6	268
IMPERIAL	0	0	2,437	2,528	1,796	0	0	11,096	228	2	255	51	97	991	1,922	305	2
INYO	0	0	23	0	0	0	0	0	0	0	96	0	0	0	0	0	0
KERN	31	329	1,066	1,635	8,599	0	4	7,879	227	10	2,661	5,414	411	14,324	19,158	5,786	36
KINGS	0	0	149	1,590	1,284	0	0	1,602	0	2	157	857	175	666	4,465	0	2
LAKE	0	1	0	0	19	0	2	72	1	0	0	1	2	49	37	2	0
LASSEN	0	90	240	0	1	0	0	8	0	0	263	0	0	41	11	0	0
LOS ANGELES	0	0	183	1	154	0	1	193	40	1,188	56	73	78	256	480	77	827
MADERA	22	0	48	682	986	0	0	957	25	0	857	820	129	1,517	8,049	18	0
MARIN	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	69
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MENDOCINO	0	6	48	0	123	0	6	105	30	103	2	83	28	39	115	56	111
MERCED	0	0	820	65	643	0	1	2,167	20	6	1,838	209	243	2,172	6,692	23	12
MODOC	0	1,242	1,112	0	175	0	0	125	0	26	596	3	0	355	0	0	0
MONO	0	0	64	0	0	0	0	1	0	0	68	0	0	0	1	0	0
MONTEREY	0	43	220	485	145	0	2	6,357	0	22	8	376	282	1,614	3,572	0	49
NAPA	0	4	36	4	22	0	35	205	5	19	0	10	159	121	526	9	28
NEVADA	0	9	0	0	2	0	0	2	0	7	3	0	0	1	4	0	10
ORANGE	0	0	1	175	0	0	3	279	0	351	52	40	6	36	640	0	377
PLACER	0	3	118	0	0	0	0	47	0	283	99	1	3	21	47	0	330
PLUMAS	0	0	7	0	0	0	0	0	0	2	13	0	0	0	1	0	4
RIVERSIDE	1	1	1,283	362	3,035	0	7	863	260	887	1,740	240	101	341	1,225	463	407
SACRAMENTO	0	130	84	0	227	0	0	1,466	1	199	122	119	12	289	3,202	1	291
SAN BENITO	0	0	6	0	0	0	0	187	0	0	0	9	0	20	122	0	0
SAN BERNARDINO	1	0	0	57	56	0	3	32	3	867	93	6	1	4	225	5	824
SAN DIEGO	0	1	3	42	26	0	22	499	1	337	84	120	1,670	1,118	592	0	272
SAN FRANCISCO	9	0	8	0	0	0	0	133	0	17	0	153	0	0	29	0	19
SAN JOAQUIN	0	10	200	33	1,071	0	11	3,421	0	347	1,922	433	59	2,932	8,257	0	536
SAN LUIS OBISPO	0	0	81	9	52	0	21	339	11	12	67	122	526	319	663	17	11
SAN MATEO	0	0	0	0	0	0	4	69	0	52	64	1	2	63	53	0	72
SANTA BARBARA	0	0	326	165	324	0	39	1,051	2	61	288	489	75	1,179	1,053	438	68
SANTA CLARA	0	0	1	0	12	0	1	357	21	240	0	0	3	40	488	43	415
SANTA CRUZ	3	0	0	1	1	1	0	269	0	11	0	0	42	152	184	0	26
SHASTA	0	376	391	4	2	0	0	169	0	38	915	0	10	101	46	0	66
SIERRA	0	0	0	0	0	0	0	1	0	0	55	0	0	0	0	0	0
SISKIYOU	0	796	1,798	0	61	0	0	82	0	26	2,214	72	0	716	1	0	41
SOLANO	0	607	613	0	3,112	0	125	915	10	59	383	230	64	317	3,910	12	58
SONOMA	2	4	5	0	212	1	15	321	19	114	11	17	99	238	455	37	209
STANISLAUS	0	0	1,238	128	2,202	0	0	2,196	5	44	4,102	163	1,344	3,765	5,511	7	59
SUTTER	0	1,563	1,423	48	3,081	0	5	357	0	4	795	282	201	764	2,067	1	12
TEHAMA	0	23	1,130	0	27	0	0	60	0	25	36	4	45	1,682	146	0	29
TRINITY	0	0	1	0	202	0	0	0	0	13	1	0	0	0	0	0	31
TULARE	0	0	168	2,102	942	0	0	4,805	3,189	49	1,455	1,818	430	3,251	7,860	5,293	61
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0	0	0
VENTURA	1	37	89	435	21	0	2	1,269	0	21	22	640	482	813	1,405	0	50
YOLO	0	588	469	25	4,523	0	0	1,184	10	46	520	822	95	1,284	5,030	18	80
YUBA	0	285	206	0	124	0	0	38	21	5	852	166	78	215	297	36	7
** UNKNOWN **	0	0	27	7	0	0	0	1,798	0	906	101	460	0	2,822	1,582	0	1,079
TOTAL	70	9,348	22,177	11,983	43,211	2	376	64,205	4,418	7,465	26,208	19,202	7,256	53,905	117,061	12,858	9,266

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2024
TONS OF AGRICULTURAL MINERALS AND BULK COMPOST - FARM USE AND NON-FARM USE

COUNTY	COPPER - ALL MATERIALS	IRON - ALL MATERIALS	GYPSUM - ALL MATERIALS	LIMING MATERIALS - ALL MATERIALS	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	SECONDARY/MICRONUTRIENTS - ALL OTHER	NON-FARM USE SECONDARY/MICRONUTRIENTS	OIM BULK COMPOST - NO NUTRIENTS
ALAMEDA	0	2	52	1	0	4	0	18	73	141
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	9	0	34	0	1
BUTTE	6	0	233	502	0	347	0	608	626	391
CALAVERAS	0	0	27	0	0	2	0	4	17	0
COLUSA	820	1	8,387	41	0	216	202	1,786	0	24
CONTRA COSTA	0	4	58	4	0	8	0	81	72	0
DEL NORTE	0	0	0	0	0	0	0	6	0	0
EL DORADO	0	0	0	42	0	1	0	18	1	0
FRESNO	256	130	91,204	1,605	710	2,508	4,653	15,627	4,219	19,992
GLENN	80	0	473	49	0	497	0	1,337	0	1,968
HUMBOLDT	0	0	6	0	0	0	0	33	232	0
IMPERIAL	0	0	798	3,737	0	500	2,041	1,902	497	30,395
INYO	0	0	48	290	0	0	0	0	0	0
KERN	210	338	210,756	1,660	10,992	3,001	7,095	39,563	4,753	1,476
KINGS	13	0	26,208	2,670	1,550	400	28,912	2,463	3	10,198
LAKE	0	0	134	0	0	0	0	83	0	25,970
LASSEN	0	0	627	0	0	14	0	86	0	0
LOS ANGELES	0	1	210	98	820	3	0	523	1,054	19
MADERA	1	5	712	53	3,008	619	12	4,119	0	221
MARIN	0	0	3	0	0	0	0	3	20	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	381	70	0	0	0	166	25	0
MERCED	4	4	3,602	1,810	0	902	662	3,502	34	5,310
MODOC	2	0	153	145	0	489	0	802	0	471
MONO	0	0	0	0	0	0	0	1	0	0
MONTEREY	6	4	1,404	8,678	0	95	294	1,468	9	9,424
NAPA	0	3	3,240	68	0	1	0	343	6	8,859
NEVADA	0	0	0	0	0	0	0	10	54	12
ORANGE	0	6	185	17	0	27	0	184	474	0
PLACER	0	0	98	15	0	0	0	38	106	24
PLUMAS	0	0	95	0	0	0	0	6	0	0
RIVERSIDE	1	5	1,053	136	0	86	0	3,162	994	3,941
SACRAMENTO	0	0	290	112	20,284	77	15	364	692	1,768
SAN BENITO	0	0	73	43	0	1	8	34	0	36
SAN BERNARDINO	0	0	80	0	40,070	0	0	219	406	0
SAN DIEGO	2	36	730	46	0	10	0	874	947	16,764
SAN FRANCISCO	0	0	0	0	0	0	0	2	1	0
SAN JOAQUIN	1	6	3,278	1,882	880	1,452	230	2,723	103	99
SAN LUIS OBISPO	3	4	209	10	415	43	0	488	7	5,099
SAN MATEO	0	0	40	424	0	0	0	57	55	485
SANTA BARBARA	0	2	13,207	8,592	0	411	759	1,714	47	2,845
SANTA CLARA	0	0	96	49	0	1	4	226	97	370
SANTA CRUZ	0	0	85	8	0	2	11	130	27	23
SHASTA	0	1	697	6,321	0	103	0	353	68	0
SIERRA	0	0	0	0	0	0	0	0	0	0
SISKIYOU	1	0	2,022	1,109	0	1,920	231	1,433	0	1,952
SOLANO	11	67	674	531	61,027	380	12	287	158	0
SONOMA	2	27	1,956	1,135	0	26	0	475	111	5,511
STANISLAUS	45	9	4,557	2,942	366	769	275	3,972	286	24
SUTTER	0	0	203	458	0	38	15	410	0	3
TEHAMA	0	4	23	0	0	27	0	169	23	0
TRINITY	0	0	0	0	0	0	0	0	1	83
TULARE	16	37	34,848	1,015	0	1,704	2,833	76,566	525	18,610
TUOLUMNE	0	0	0	93	0	0	0	0	1	2,415
VENTURA	0	20	386	27	0	387	452	2,663	39	8,926
YOLO	40	0	1,406	25	0	247	16	1,115	84	18,211
YUBA	1	0	223	0	0	54	0	26	1	0
** UNKNOWN **	0	0	517	25	0	16	0	2,288	966	157
TOTAL	1,521	716	415,747	46,538	140,122	17,397	48,732	174,564	17,914	202,218

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2024
TONS OF MATERIALS BY USE

COUNTY	FARM USE DRY PACKAGED	FARM USE DRY BULK	FARM USE LIQUID	FARM USE TOTAL	AG MIN DRY PACKAGED	AG MIN DRY BULK	AG MIN LIQUID	AG MIN TOTAL	NON-FARM USE DRY	NON-FARM USE LIQUID	NON-FARM USE TOTAL	TOTAL ALL
ALAMEDA	280	214	883	1,377	46	24	7	77	449	37	486	1,863
ALPINE	468	11	267	746	0	0	0	0	0	0	0	746
AMADOR	14	74	17	105	1	39	3	43	4	0	4	109
BUTTE	1,547	18,252	37,988	57,787	163	1,808	349	2,320	1,122	964	2,086	59,873
CALAVERAS	31	39	69	139	27	0	6	33	44	0	44	183
COLUSA	12,420	17,217	56,694	86,331	2,662	6,681	2,110	11,453	17	0	17	86,348
CONTRA COSTA	392	362	5,915	6,669	93	2	60	155	645	60	705	7,374
DEL NORTE	6	28	4	38	6	0	0	6	47	9	56	94
EL DORADO	9	57	209	275	3	54	4	61	39	1	40	315
FRESNO	12,758	139,247	158,656	314,661	2,122	100,983	16,101	119,206	2,386	1,491	3,877	318,538
GLENN	2,532	11,368	32,323	46,223	1,035	450	951	2,436	6	0	6	46,229
HUMBOLDT	357	30	31	418	16	0	23	39	936	178	1,114	1,532
IMPERIAL	3,458	69,294	61,427	134,179	141	4,520	4,317	8,978	507	0	507	134,686
INYO	9	457	133	599	0	338	0	338	0	0	0	599
KERN	13,644	259,834	188,697	462,175	5,183	225,151	43,281	273,615	4,864	5	4,869	467,044
KINGS	2,074	48,159	73,497	123,730	113	31,121	30,982	62,216	6	5	11	123,741
LAKE	274	26,126	351	26,751	135	30	52	217	3	0	3	26,754
LASSEN	48	2,015	292	2,355	46	676	5	727	2	0	2	2,357
LOS ANGELES	2,990	1,651	2,164	6,805	512	925	218	1,655	3,216	1,356	4,572	11,377
MADERA	2,450	9,608	48,308	60,366	759	4,788	2,982	8,529	5	0	5	60,371
MARIN	9	0	1	10	5	0	1	6	255	7	262	272
MARIPOSA	0	1	0	1	0	0	0	0	0	0	0	1
MENDOCINO	1,033	443	947	2,423	443	120	54	617	285	72	357	2,780
MERCED	1,713	21,229	56,338	79,280	613	5,938	3,935	10,486	63	2	65	79,345
MODOC	205	8,223	517	8,945	174	1,358	59	1,591	73	0	73	9,018
MONO	5	188	1	194	0	1	0	1	1	0	1	195
MONTEREY	7,162	30,698	52,433	90,293	2,307	8,246	1,399	11,952	132	0	132	90,425
NAPA	1,415	12,983	1,534	15,932	811	2,673	171	3,655	100	0	100	16,032
NEVADA	45	59	341	445	3	0	7	10	93	20	113	558
ORANGE	1,367	549	1,754	3,670	251	103	65	419	1,720	353	2,073	5,743
PLACER	165	777	2,086	3,028	75	92	12	179	1,199	6	1,205	4,233
PLUMAS	36	139	0	175	1	100	0	101	15	0	15	190
RIVERSIDE	4,500	11,317	20,270	36,087	1,041	1,980	1,422	4,443	4,175	55	4,230	40,317
SACRAMENTO	1,195	9,607	31,061	41,863	360	1,988	18,795	21,143	1,587	325	1,912	43,775
SAN BENITO	194	509	2,184	2,887	48	68	43	159	1	0	1	2,888
SAN BERNARDINO	991	40,331	496	41,818	206	40,153	10	40,369	4,329	129	4,458	46,276
SAN DIEGO	8,346	18,235	1,891	28,472	952	554	192	1,698	2,400	45	2,445	30,917
SAN FRANCISCO	208	309	1,126	1,643	2	0	0	2	66	6	72	1,715
SAN JOAQUIN	2,361	21,626	53,294	77,281	664	6,885	2,903	10,452	2,580	43	2,623	79,904
SAN LUIS OBISPO	1,797	6,261	4,950	13,008	197	576	399	1,172	87	8	95	13,103
SAN MATEO	858	542	159	1,559	521	0	0	521	452	8	460	2,019
SANTA BARBARA	3,088	27,795	20,531	51,414	523	22,340	1,822	24,685	365	3	368	51,782
SANTA CLARA	878	1,290	2,283	4,451	192	51	133	376	1,159	145	1,304	5,755
SANTA CRUZ	1,140	573	2,313	4,026	174	42	20	236	165	0	165	4,191
SHASTA	492	11,615	231	12,338	276	7,169	30	7,475	76	175	251	12,589
SIERRA	0	105	23	128	0	0	0	0	2	0	2	130
SISKIYOU	348	15,522	1,525	17,395	329	5,783	604	6,716	157	24	181	17,576
SOLANO	1,048	10,813	82,882	94,743	567	1,861	60,561	62,989	491	45	536	95,279
SONOMA	1,876	8,866	3,255	13,997	564	2,946	111	3,621	316	240	556	14,553
STANISLAUS	3,419	24,815	69,734	97,968	1,287	8,248	3,400	12,935	261	271	532	98,500
SUTTER	2,246	14,737	52,906	69,889	186	607	331	1,124	27	0	27	69,916
TEHAMA	204	5,435	3,237	8,876	43	47	133	223	221	0	221	9,097
TRINITY	0	87	202	289	0	0	0	0	23	45	68	357
TULARE	11,452	81,359	151,780	244,591	2,006	38,758	76,255	117,019	833	14	847	245,438
TUOLUMNE	120	2,508	73	2,701	0	93	0	93	1	0	1	2,702
VENTURA	4,923	10,681	14,683	30,287	803	270	2,862	3,935	366	11	377	30,664
YOLO	2,912	26,855	63,746	93,513	711	1,528	610	2,849	81	240	321	93,834
YUBA	676	2,559	8,653	11,888	61	232	11	304	25	0	25	11,913
** UNKNOWN **	539	10,232	4,931	15,702	66	2,277	503	2,846	4,545	465	5,010	20,712
TOTAL	124,727	1,043,916	1,382,296	2,554,939	29,525	540,677	278,304	848,506	43,025	6,863	49,888	2,604,827

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2024
TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NON-FARM

COUNTY	ALL NITROGEN	ALL P2O5	ALL K2O	ALL TOTAL	DRY NITROGEN	DRY P2O5	DRY K2O	DRY TOTAL	LIQUID NITROGEN	LIQUID P2O5	LIQUID K2O	LIQUID TOTAL
ALAMEDA	563	192	271	1,026	265	112	146	523	298	80	125	503
ALPINE	1	737	4	741	1	470	4	474	0	267	0	267
AMADOR	11	16	25	51	11	13	16	39	0	3	9	12
BUTTE	13,871	2,775	4,042	20,688	5,298	1,354	2,826	9,477	8,573	1,422	1,216	11,211
CALAVERAS	49	14	18	82	32	6	12	50	17	8	6	31
COLUSA	21,233	2,699	4,630	28,562	6,532	1,737	1,570	9,839	14,701	962	3,060	18,723
CONTRA COSTA	2,920	697	566	4,183	529	207	310	1,047	2,391	490	256	3,136
DEL NORTE	28	20	17	65	21	15	16	52	7	5	1	13
EL DORADO	76	12	14	102	30	3	8	41	46	9	6	61
FRESNO	43,830	11,296	24,682	79,807	8,907	2,798	5,866	17,570	34,923	8,498	18,816	62,237
GLENN	9,410	1,452	3,077	13,940	1,926	1,237	2,206	5,369	7,484	215	871	8,571
HUMBOLDT	365	591	292	1,248	319	540	211	1,070	46	51	81	178
IMPERIAL	32,777	14,569	2,931	50,277	16,325	3,242	1,384	20,951	16,452	11,327	1,547	29,326
INYO	51	12	58	121	9	12	58	78	42	0	0	42
KERN	46,563	12,779	35,220	94,562	10,977	2,031	13,998	27,006	35,586	10,748	21,222	67,556
KINGS	14,331	3,008	5,175	22,514	3,329	223	956	4,508	11,002	2,784	4,219	18,005
LAKE	138	81	65	283	77	43	51	171	61	37	14	112
LASSEN	502	151	189	842	274	151	187	612	228	0	2	230
LOS ANGELES	3,288	1,586	1,604	6,478	2,625	1,191	774	4,590	663	395	830	1,888
MADERA	11,976	1,781	9,607	23,364	1,963	295	1,804	4,063	10,013	1,486	7,803	19,301
MARIN	122	53	69	244	119	53	65	237	3	0	4	7
MARIPOSA	0	0	1	1	0	0	1	1	0	0	0	0
MENDOCINO	674	309	333	1,316	490	234	287	1,011	184	75	46	305
MERCED	17,350	2,874	9,069	29,292	3,085	877	3,512	7,473	14,265	1,997	5,557	21,819
MODOC	1,654	1,037	536	3,227	1,599	853	536	2,988	55	185	0	239
MONO	28	34	42	104	28	34	42	104	0	0	0	0
MONTEREY	23,243	6,814	4,640	34,697	8,191	4,458	2,708	15,356	15,053	2,356	1,932	19,341
NAPA	2,007	274	696	2,977	1,534	162	248	1,944	473	113	448	1,033
NEVADA	242	11	16	270	61	9	14	85	181	3	2	185
ORANGE	2,027	726	1,078	3,831	1,562	371	599	2,531	466	356	479	1,300
PLACER	1,432	392	448	2,272	759	372	406	1,538	672	20	42	734
PLUMAS	48	6	13	67	48	6	13	67	0	0	0	0
RIVERSIDE	8,552	3,908	3,407	15,867	4,294	2,335	2,694	9,323	4,257	1,574	713	6,544
SACRAMENTO	8,544	2,219	3,946	14,708	3,446	660	1,962	6,068	5,098	1,558	1,984	8,640
SAN BENITO	751	190	134	1,075	310	138	75	524	440	52	59	551
SAN BERNARDINO	5,436	1,755	1,514	8,706	5,239	1,687	1,471	8,398	197	68	43	308
SAN DIEGO	3,876	880	2,235	6,991	3,372	831	2,122	6,324	505	50	113	667
SAN FRANCISCO	701	158	82	941	184	138	52	374	516	20	30	566
SAN JOAQUIN	19,358	4,279	11,542	35,179	5,992	1,463	5,630	13,085	13,366	2,816	5,912	22,094
SAN LUIS OBISPO	1,531	445	1,153	3,129	524	218	605	1,348	1,007	227	548	1,781
SAN MATEO	501	123	196	820	393	121	192	706	108	2	4	114
SANTA BARBARA	6,676	1,501	2,462	10,639	1,354	737	1,286	3,377	5,322	763	1,176	7,261
SANTA CLARA	1,831	623	967	3,422	1,273	520	699	2,493	558	103	268	929
SANTA CRUZ	1,615	282	306	2,204	954	183	242	1,379	661	100	64	825
SHASTA	1,706	488	716	2,910	1,615	447	642	2,704	91	42	74	206
SIERRA	19	1	33	53	12	1	33	46	7	0	0	7
SISKIYOU	1,450	1,223	1,744	4,417	1,256	1,185	1,742	4,183	194	38	2	234
SOLANO	15,240	3,760	5,057	24,057	3,457	780	652	4,888	11,783	2,981	4,406	19,169
SONOMA	2,659	538	874	4,071	613	372	386	1,371	2,047	165	488	2,700
STANISLAUS	22,528	3,714	10,552	36,793	3,190	1,176	5,696	10,062	19,337	2,538	4,856	26,731
SUTTER	19,002	2,489	3,089	24,581	6,026	1,116	1,129	8,271	12,977	1,373	1,960	16,310
TEHAMA	2,009	686	1,058	3,753	1,097	652	965	2,714	912	34	93	1,039
TRINITY	45	82	32	159	13	7	6	25	32	76	26	134
TULARE	38,735	9,586	16,302	64,622	9,363	5,288	9,421	24,072	29,372	4,297	6,881	40,550
TUOLUMNE	24	0	60	84	1	0	60	61	23	0	0	23
VENTURA	4,618	1,587	2,228	8,433	1,963	706	1,290	3,958	2,655	881	938	4,474
YOLO	18,971	3,153	6,305	28,428	2,513	691	1,444	4,648	16,458	2,461	4,861	23,780
YUBA	3,193	270	1,030	4,493	500	168	757	1,425	2,694	102	273	3,069
** UNKNOWN **	5,732	2,722	4,234	12,687	4,272	2,266	3,417	9,955	1,460	456	817	2,733
TOTAL	446,114	113,660	190,683	750,456	140,153	46,995	85,500	272,647	305,961	66,666	105,183	477,809

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2023-JUNE 2024
TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN
ALAMEDA	0	0	0	0	0	26	3	0	197	166	0	433	0	0	21	362	0	394
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
AMADOR	0	0	0	0	0	7	0	0	0	0	1	2	0	0	9	11	0	4
BUTTE	0	26,207	0	0	0	4,196	1,037	0	1,017	470	154	5,233	0	0	7,531	1,213	132	1,584
CALAVERAS	0	0	0	0	0	0	4	0	12	0	1	29	0	0	33	16	0	19
COLUSA	273	28,967	0	56	76	3,098	43	0	2,592	1,625	129	14,298	0	0	10,244	4	5,106	13
CONTRA COSTA	1,454	0	25	65	0	6	5	0	591	31	0	3,736	0	0	135	0	501	418
DEL NORTE	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	4	0
EL DORADO	0	0	0	0	0	3	0	0	118	3	0	98	0	0	0	8	0	72
FRESNO	99	2	624	443	216	2,282	106	0	37,589	3,457	683	91,969	6	0	5,880	235	21,567	811
GLENN	0	21,545	0	0	0	2,360	20	0	1,030	525	3	7,902	0	0	1,597	92	1,602	32
HUMBOLDT	0	0	0	0	0	0	0	0	0	11	0	8	0	0	5	0	55	460
IMPERIAL	1,626	0	76	9,568	0	2,544	1,157	0	4,647	310	265	48,524	0	0	53,313	0	15,897	24
INYO	0	0	0	0	0	0	19	0	3	21	0	109	0	0	7	0	15	1
KERN	820	0	350	99	0	1,570	804	0	20,502	1,876	491	91,189	12	0	2,869	513	19,743	362
KINGS	806	8	0	1	0	1,247	230	0	4,016	99	12	38,143	0	0	8,983	21	12,810	10
LAKE	0	0	0	0	0	85	15	0	125	17	0	130	0	0	22	0	162	6
LASSEN	0	0	0	0	0	510	0	0	27	0	0	231	0	0	445	0	238	2
LOS ANGELES	0	181	0	278	0	298	0	0	189	1,020	5	771	0	0	314	3	1,109	2,764
MADERA	0	13	35	0	0	164	42	0	13,972	171	717	26,110	0	0	951	48	3,782	11
MARIN	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	257
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0
MENDOCINO	0	575	0	4	0	61	58	0	78	36	0	43	0	0	25	0	395	188
MERCED	0	3	0	0	0	1,693	245	0	11,945	155	1,050	41,829	0	0	1,397	37	6,470	71
MODOC	0	0	201	0	0	2,257	213	0	19	0	0	385	0	82	1,182	44	450	78
MONO	0	0	0	0	0	62	0	0	0	0	0	9	0	0	46	0	4	11
MONTEREY	0	10	0	17,095	5,469	1,382	2,306	6	16,899	731	931	10,776	3	0	1,880	840	32,127	204
NAPA	0	0	0	0	0	1	3	0	335	39	0	46	0	0	12	0	497	98
NEVADA	0	202	0	0	0	20	0	0	3	4	0	9	0	0	26	0	151	106
ORANGE	0	0	2	372	0	203	1	0	632	142	0	697	0	0	183	2	1,539	1,547
PLACER	0	1,231	0	1	0	191	0	0	106	50	0	404	0	0	479	0	364	762
PLUMAS	0	0	0	0	0	6	0	0	0	2	0	0	0	0	27	0	29	11
RIVERSIDE	347	0	21	10,371	0	770	25	0	6,388	1,194	180	8,413	0	0	1,437	1	2,989	4,135
SACRAMENTO	285	2,153	0	0	0	119	261	0	1,478	932	40	4,740	0	0	1,062	8	4,723	2,093
SAN BENITO	0	0	0	90	200	4	0	0	1,645	89	0	120	0	0	9	0	1,721	12
SAN BERNARDINO	0	0	3	0	0	43	0	0	32	38	20	360	0	0	54	0	632	4,220
SAN DIEGO	0	1	963	199	0	221	0	0	1,063	3,915	35	771	0	0	205	5	2,721	2,164
SAN FRANCISCO	0	286	0	0	0	16	0	0	146	29	0	385	0	0	84	0	435	71
SAN JOAQUIN	0	0	0	8	0	1,188	1,243	0	11,638	460	101	33,760	0	0	4,760	2	7,181	2,595
SAN LUIS OBISPO	1	26	0	1,565	0	406	40	0	1,868	359	15	2,365	0	0	154	207	1,836	103
SAN MATEO	0	57	1	0	0	18	0	0	251	22	0	0	0	0	9	0	325	602
SANTA BARBARA	0	0	19	7,790	0	112	141	0	6,342	1,305	4	11,395	0	0	901	11	7,726	295
SANTA CLARA	0	0	0	85	29	73	18	0	1,050	90	10	905	0	0	280	2	2,317	1,054
SANTA CRUZ	0	0	0	940	0	93	14	16	740	287	8	336	0	0	151	0	5,847	212
SHASTA	0	0	33	26	0	1,290	15	0	136	103	0	77	0	0	1,750	0	875	136
SIERRA	0	0	0	0	0	49	3	0	1	0	0	25	0	0	0	0	2	4
SISKIYOU	0	0	0	0	0	1,084	181	0	1,054	1	0	338	0	23	1,916	71	98	148
SOLANO	896	679	25	434	1,336	1,880	1,047	1	1,429	17	805	5,681	0	0	2,009	1,872	7,271	428
SONOMA	0	149	4	214	0	19	33	3	387	462	3	31	0	0	75	0	4,555	360
STANISLAUS	4,501	0	0	0	129	5,419	715	0	21,448	459	553	50,181	0	0	4,952	8	7,301	318
SUTTER	17	33,024	0	411	0	6,322	150	0	3,390	432	423	9,020	9	0	1,920	36	5,451	21
TEHAMA	0	174	26	26	0	1,702	86	0	517	13	3	2,326	0	0	828	0	632	169
TRINITY	0	0	0	0	0	0	0	0	0	0	0	199	0	0	0	0	3	26
TULARE	326	1	0	45	0	2,178	234	0	17,649	3,169	156	35,756	0	0	7,132	229	24,720	368
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	73	0	0	0	0	1	3
VENTURA	0	0	0	2,373	0	222	11	0	8,410	1,903	0	3,176	0	0	319	20	7,860	592
YOLO	234	12,727	675	91	188	1,942	225	0	10,516	407	1,705	26,768	0	0	1,778	5	5,011	217
YUBA	0	4,542	0	758	0	1,505	0	0	456	3	115	1,296	6	0	405	0	1,245	119
** UNKNOWN **	0	0	0	0	0	16,923	171	174	38,259	2,308	382	33,561	0	0	8,927	260	112,796	18,850
TOTAL	11,685	132,763	3,083	53,408	7,643	67,871	10,924	200	252,937	28,986	9,000	615,171	36	105	138,736	4,579	342,505	49,657

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST JULY 2023-JUNE 2024 TONS OF PHOSPHORUS AND POTASSIUM MATERIALS - FARM USE AND NON-FARM USE																	
COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHORUS MATERIALS - ALL OTHER	PHOSPHORUS MATERIALS - COMPOST	NON-FARM USE PHOSPHORUS	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER	POTASSIUM MATERIALS - COMPOST	NON-FARM USE POTASH
ALAMEDA	0	0	1	1	5	0	0	172	0	135	1	1	8	27	255	0	193
ALPINE	0	0	3	0	0	0	0	735	0	0	6	0	0	0	0	0	0
AMADOR	0	3	0	1	2	0	0	19	0	4	5	0	0	7	40	0	5
BUTTE	0	591	1,947	0	2,781	0	0	435	1	685	3,352	254	120	4,318	1,295	1	894
CALAVERAS	0	0	0	0	1	0	0	11	0	11	5	0	0	8	10	0	15
COLUSA	0	1,875	2,419	101	2,739	0	0	542	0	7	158	1,473	24	4,871	4,407	0	5
CONTRA COSTA	0	0	0	1	404	0	3	670	0	142	66	109	29	161	408	0	291
DEL NORTE	0	0	0	0	0	0	0	1	0	20	0	0	0	0	0	0	18
EL DORADO	0	0	0	0	4	0	0	11	0	7	3	0	0	28	10	0	14
FRESNO	0	0	1,749	1,415	6,314	0	66	12,405	991	332	973	5,940	289	8,342	25,499	712	1,647
GLENN	0	837	1,404	4	124	0	0	651	0	9	209	277	56	6,283	2,444	0	8
HUMBOLDT	0	0	0	0	0	0	0	515	3	438	0	0	0	0	29	6	372
IMPERIAL	0	0	14,999	4,282	5,554	0	0	17,968	850	14	539	58	101	2,778	2,742	1,085	6
INYO	0	0	93	0	0	0	0	20	0	1	294	0	0	0	0	0	1
KERN	31	329	1,787	2,988	9,998	0	5	9,557	576	23	3,640	7,592	868	17,881	24,151	9,393	85
KINGS	0	0	1,111	2,851	2,553	0	0	2,090	6	5	203	1,203	191	1,584	7,035	4	4
LAKE	0	1	0	0	25	0	2	101	1	2	0	6	2	58	110	2	2
LASSEN	0	103	292	0	1	0	0	9	0	0	463	0	0	61	12	0	0
LOS ANGELES	1	0	378	2	154	0	8	559	46	1,831	56	92	145	321	641	88	1,528
MADERA	22	0	125	776	1,147	0	0	2,596	102	2	1,095	1,717	160	2,858	9,722	73	35
MARIN	0	0	0	0	0	0	0	6	0	103	0	0	0	0	2	0	137
MARIPOSA	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	0	2
MENDOCINO	0	6	58	0	123	0	6	120	30	164	2	104	28	175	134	56	180
MERCED	0	0	1,397	96	1,031	0	1	3,102	34	15	3,720	2,397	358	4,522	10,463	37	23
MODOC	0	1,726	1,219	0	178	0	0	129	0	26	723	3	0	463	0	0	0
MONO	0	0	109	0	0	0	0	1	0	0	92	0	0	0	1	0	0
MONTEREY	0	43	809	806	312	0	2	14,625	0	69	35	1,255	693	5,644	6,452	0	143
NAPA	0	6	36	5	22	0	35	213	5	38	0	29	159	180	533	9	58
NEVADA	0	9	0	0	2	0	0	3	0	20	3	0	0	1	9	0	19
ORANGE	0	0	1	175	21	0	7	551	0	508	129	229	12	88	931	0	595
PLACER	0	3	164	0	1	0	0	50	0	333	281	1	6	140	59	0	409
PLUMAS	0	0	7	0	0	0	0	0	0	6	13	0	0	0	1	0	6
RIVERSIDE	1	1	2,945	732	5,201	0	16	1,556	305	2,305	3,871	377	142	789	1,825	829	868
SACRAMENTO	0	188	97	0	261	0	0	1,718	3	404	248	349	24	530	4,315	2	638
SAN BENITO	0	0	6	0	4	0	0	315	0	6	0	131	0	33	254	0	6
SAN BERNARDINO	1	0	174	63	106	0	4	46	9	1,794	93	6	2	163	290	17	1,511
SAN DIEGO	12	1	95	67	27	0	37	876	1	4,498	105	181	3,424	2,060	921	0	543
SAN FRANCISCO	9	0	8	0	0	0	0	142	0	36	0	197	1	6	31	0	48
SAN JOAQUIN	0	10	222	42	2,072	0	28	4,234	0	585	2,670	1,037	95	8,854	11,102	0	882
SAN LUIS OBISPO	0	2	81	19	127	0	43	484	97	19	95	287	933	390	1,537	44	16
SAN MATEO	0	0	168	0	0	0	6	93	0	109	87	5	8	133	79	0	146
SANTA BARBARA	0	0	353	417	638	0	59	1,951	8	87	353	1,092	422	1,869	1,883	718	137
SANTA CLARA	0	0	2	1	67	0	1	462	405	407	0	251	13	141	750	332	700
SANTA CRUZ	4	0	6	2	1	1	0	865	0	24	0	1	171	479	1,150	0	43
SHASTA	0	626	621	5	2	0	0	184	0	70	1,379	0	17	174	70	0	114
SIERRA	0	5	0	0	0	0	0	2	0	0	55	0	0	0	0	0	0
SISKIYOU	0	987	2,103	0	77	0	0	187	0	38	2,514	86	1	1,105	2	0	61
SOLANO	0	764	835	0	3,315	0	131	981	53	116	691	454	66	644	4,528	61	123
SONOMA	2	4	5	1	224	1	15	1,093	19	234	11	24	164	508	692	37	323
STANISLAUS	0	111	3,032	143	3,484	0	0	2,891	302	126	9,260	856	1,915	14,006	7,435	436	161
SUTTER	0	1,590	1,520	48	3,082	0	10	361	0	11	897	444	238	1,878	2,180	1	21
TEHAMA	0	23	1,217	3	50	0	0	85	0	26	552	4	52	4,112	785	0	36
TRINITY	0	0	1	0	202	0	0	0	0	18	1	0	0	0	0	0	33
TULARE	0	0	305	2,927	1,660	0	0	6,628	3,322	61	2,401	2,870	584	4,354	10,407	5,484	95
TUOLUMNE	0	0	0	0	0	0	0	0	0	3	0	0	0	119	0	0	3
VENTURA	3	38	142	941	145	0	13	2,264	0	79	32	1,847	1,261	1,515	2,554	0	181
YOLO	0	645	626	25	4,558	0	0	1,374	10	73	730	1,136	96	2,447	6,146	18	134
YUBA	0	306	221	0	124	0	0	70	47	32	861	177	93	667	402	80	51
** UNKNOWN **	0	0	29,718	6,788	5,425	0	0	33,566	0	2,288	3,983	550	0	16,572	25,174	0	2,764
TOTAL	86	10,833	74,611	25,728	64,348	2	498	130,295	7,226	18,403	46,955	35,102	12,971	124,147	181,909	19,525	16,333

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2023-JUNE 2024
TONS OF AGRICULTURAL MINERALS AND BULK COMPOST - FARM USE AND NON-FARM USE

COUNTY	COPPER - ALL MATERIALS	IRON - ALL MATERIALS	GYPSUM - ALL MATERIALS	LIMING MATERIALS - ALL MATERIALS	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	SECONDARY/MICRONUTRIENTS - ALL OTHER	NON-FARM USE SECONDARY/MICRONUTRIENTS	OIM BULK COMPOST - NO NUTRIENTS
ALAMEDA	0	2	53	6	0	10	0	64	137	142
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	553	0	34	1	1
BUTTE	6	0	1,216	502	0	396	300	945	892	1,983
CALAVERAS	0	0	53	0	0	5	0	4	29	0
COLUSA	820	1	22,699	6,380	0	942	333	3,129	0	24
CONTRA COSTA	0	6	467	34	0	298	0	156	80	40
DEL NORTE	0	0	0	0	0	0	0	12	0	0
EL DORADO	0	0	0	401	0	2	0	20	4	0
FRESNO	349	191	217,163	4,800	9,468	4,559	10,945	27,715	4,864	27,472
GLENN	80	0	3,242	1,127	0	942	0	1,675	0	12,038
HUMBOLDT	0	0	6	2,490	0	0	0	40	335	0
IMPERIAL	1	18	2,955	48,340	0	1,319	4,725	4,648	1,492	59,274
INYO	0	0	48	290	0	25	0	0	0	0
KERN	399	345	441,251	8,821	30,691	9,205	12,435	60,950	5,871	1,698
KINGS	39	3	96,412	7,322	4,962	5,005	71,387	4,654	8	13,445
LAKE	0	0	401	0	0	4	0	90	1	27,149
LASSEN	0	0	724	48	0	14	0	233	0	0
LOS ANGELES	1	4	325	443	7,131	79	0	1,025	1,834	19
MADERA	1	9	4,857	60	20,902	892	160	5,656	25	2,815
MARIN	0	0	6	0	0	1	0	32	24	0
MARIPOSA	0	0	43	0	0	7	0	0	12	0
MENDOCINO	0	0	523	124	0	39	0	187	29	498
MERCED	5	4	32,114	2,675	3,948	2,403	884	4,545	35	37,669
MODOC	2	0	1,159	228	0	584	0	1,097	0	1,546
MONO	0	0	0	24	0	0	0	8	0	0
MONTEREY	7	17	9,591	39,181	0	341	437	8,346	17	72,204
NAPA	0	3	3,411	70	0	22	0	364	109	24,598
NEVADA	0	0	0	0	0	43	0	10	56	67
ORANGE	0	13	294	17	0	35	0	283	594	1
PLACER	0	0	132	1,703	0	7	0	75	111	73
PLUMAS	0	0	95	8,759	0	0	0	10	0	0
RIVERSIDE	1	13	2,923	141	0	124	0	4,841	1,230	13,533
SACRAMENTO	0	0	1,295	161	21,950	1,401	15	588	1,377	5,346
SAN BENITO	0	0	2,129	52,961	0	60	8	309	0	187
SAN BERNARDINO	0	0	160	0	82,572	0	0	342	4,309	23,449
SAN DIEGO	6	42	1,316	66	0	12	0	1,587	1,876	20,740
SAN FRANCISCO	0	0	0	102	0	0	0	29	3	0
SAN JOAQUIN	2	9	19,084	4,484	880	9,909	288	3,950	151	99
SAN LUIS OBISPO	37	7	938	22	2,681	55	0	940	25	8,872
SAN MATEO	1	24	51	539	0	1	0	76	71	1,672
SANTA BARBARA	1	11	21,172	15,931	0	620	1,724	3,950	65	3,519
SANTA CLARA	0	0	374	7,281	0	22	7	473	113	459
SANTA CRUZ	0	0	166	107	0	173	11	6,361	31	49
SHASTA	0	1	2,244	13,828	0	234	0	499	87	48
SIERRA	0	0	0	0	0	0	0	1	0	0
SISKIYOU	1	0	5,053	2,200	0	2,266	412	2,098	0	6,605
SOLANO	11	67	13,133	902	62,247	439	12	574	238	0
SONOMA	2	58	3,082	1,835	0	31	0	852	128	13,920
STANISLAUS	49	22	52,166	15,454	1,830	4,310	445	5,852	288	560
SUTTER	0	0	4,800	1,121	0	127	59	648	2	47
TEHAMA	0	4	157	1,357	0	27	0	393	25	189
TRINITY	0	0	82	0	0	14	0	0	1	83
TULARE	58	49	95,077	8,501	0	8,162	7,344	82,750	1,214	207,444
TUOLUMNE	0	0	0	159	0	0	0	0	2	3,115
VENTURA	0	37	504	27	0	938	1,197	4,710	88	13,270
YOLO	40	0	6,076	101	0	893	127	1,919	129	55,872
YUBA	1	0	2,829	25	0	79	0	109	2	0
** UNKNOWN **	0	1	21,306	3,848	0	4,456	1,214	13,970	2,353	2,812
TOTAL	1,920	961	1,095,357	264,998	249,262	62,085	114,469	263,828	30,368	664,646

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2023-JUNE 2024
TONS OF MATERIALS BY USE

COUNTY	FARM USE DRY PACKAGED	FARM USE DRY BULK	FARM USE LIQUID	FARM USE TOTAL	AG MIN DRY PACKAGED	AG MIN DRY BULK	AG MIN LIQUID	AG MIN TOTAL	NON-FARM USE DRY	NON-FARM USE LIQUID	NON-FARM USE TOTAL	TOTAL ALL
ALAMEDA	330	347	1,282	1,959	58	30	47	135	750	109	859	2,818
ALPINE	468	11	267	746	0	0	0	0	0	0	0	746
AMADOR	27	624	44	695	1	582	4	587	11	3	14	709
BUTTE	2,179	26,619	39,459	68,257	238	3,005	746	3,989	1,503	1,928	3,431	71,688
CALAVERAS	60	51	81	192	53	0	9	62	71	3	74	266
COLUSA	14,599	45,577	59,272	119,448	4,296	27,252	2,756	34,304	25	0	25	119,473
CONTRA COSTA	454	1,140	7,807	9,401	97	447	417	961	838	93	931	10,332
DEL NORTE	6	28	10	44	6	0	6	12	48	12	60	104
EL DORADO	13	445	251	709	3	414	6	423	92	5	97	806
FRESNO	20,322	301,870	218,582	544,774	5,405	229,702	33,838	268,945	3,639	1,502	5,141	549,915
GLENN	2,838	30,720	34,511	68,069	1,093	4,740	1,233	7,066	49	0	49	68,118
HUMBOLDT	582	2,561	31	3,174	20	2,493	23	2,536	1,379	226	1,605	4,779
IMPERIAL	5,659	196,245	108,802	310,706	437	52,207	9,362	62,006	1,533	3	1,536	312,242
INYO	32	776	136	944	0	363	0	363	0	3	3	947
KERN	20,170	548,272	231,976	800,418	7,869	481,922	54,607	544,398	6,312	29	6,341	806,759
KINGS	3,142	152,401	132,904	288,447	687	110,914	74,771	186,372	16	11	27	288,474
LAKE	310	27,709	491	28,510	158	281	56	495	8	3	11	28,521
LASSEN	73	2,815	523	3,411	70	911	38	1,019	2	0	2	3,413
LOS ANGELES	4,404	8,957	2,525	15,886	883	1,510	304	2,697	5,225	2,627	7,852	23,738
MADERA	3,746	37,841	60,170	101,757	851	9,244	4,548	14,643	70	3	73	101,830
MARIN	9	41	1	51	5	33	1	39	498	23	521	572
MARIPOSA	1	1	53	55	0	0	50	50	14	4	18	73
MENDOCINO	1,281	1,163	1,106	3,550	500	213	160	873	445	116	561	4,111
MERCED	3,430	104,539	75,854	183,823	780	35,923	5,927	42,630	135	9	144	183,967
MODOC	429	12,252	1,240	13,921	183	2,631	256	3,070	73	0	73	13,994
MONO	5	335	16	356	0	26	6	32	11	0	11	367
MONTEREY	11,858	157,545	81,855	251,258	3,632	51,159	3,132	57,923	422	8	430	251,688
NAPA	1,567	32,179	1,565	35,311	890	2,799	181	3,870	299	4	303	35,614
NEVADA	48	120	394	562	3	0	50	53	133	68	201	763
ORANGE	2,112	1,010	3,438	6,560	380	149	113	642	2,523	721	3,244	9,804
PLACER	219	3,229	2,101	5,549	122	1,808	15	1,945	1,549	38	1,587	7,136
PLUMAS	36	8,909	4	8,949	1	8,859	4	8,864	19	4	23	8,972
RIVERSIDE	6,779	29,419	37,198	73,396	1,641	4,366	2,036	8,043	8,318	219	8,537	81,933
SACRAMENTO	1,723	19,587	34,898	56,208	566	3,376	20,118	24,060	2,906	1,290	4,196	60,404
SAN BENITO	2,479	54,060	3,736	60,275	2,115	53,211	141	55,467	24	0	24	60,299
SAN BERNARDINO	1,275	106,716	707	108,698	330	40,227	15	40,572	11,527	307	11,834	120,532
SAN DIEGO	12,771	27,243	3,250	43,264	1,636	1,006	387	3,029	7,314	181	7,495	50,759
SAN FRANCISCO	260	417	1,229	1,906	4	102	25	131	148	10	158	2,064
SAN JOAQUIN	3,614	52,845	73,589	130,048	1,257	28,172	9,177	38,606	4,147	66	4,213	134,261
SAN LUIS OBISPO	2,981	13,663	9,944	26,588	367	1,329	718	2,414	152	11	163	26,751
SAN MATEO	1,078	2,054	410	3,542	555	137	0	692	994	18	1,012	4,554
SANTA BARBARA	6,484	45,043	40,946	92,473	823	37,756	4,830	43,409	566	18	584	93,057
SANTA CLARA	1,492	10,339	4,487	16,318	424	7,307	426	8,157	2,007	267	2,274	18,592
SANTA CRUZ	3,225	8,768	6,048	18,041	323	6,278	217	6,818	243	5	248	18,289
SHASTA	588	23,290	359	24,237	321	16,442	43	16,806	140	267	407	24,644
SIERRA	0	110	33	143	0	0	1	1	3	1	4	147
SISKIYOU	597	26,910	2,956	30,463	515	10,483	1,032	12,030	206	41	247	30,710
SOLANO	1,447	27,641	86,301	115,389	904	14,433	60,828	76,165	836	69	905	116,294
SONOMA	3,282	21,543	3,830	28,655	814	4,776	270	5,860	707	338	1,045	29,700
STANISLAUS	6,282	113,939	102,274	222,495	2,405	69,928	6,331	78,664	613	280	893	223,388
SUTTER	2,897	22,786	55,175	80,858	284	6,019	452	6,755	50	5	55	80,913
TEHAMA	324	10,350	4,669	15,343	111	1,549	278	1,938	252	4	256	15,599
TRINITY	0	87	498	585	0	0	96	96	31	47	78	663
TULARE	15,472	351,429	177,940	544,841	3,540	113,042	85,359	201,941	1,705	33	1,738	546,579
TUOLUMNE	120	3,274	73	3,467	0	159	0	159	8	3	11	3,478
VENTURA	8,702	19,574	28,525	56,801	1,130	1,014	5,269	7,413	905	35	940	57,741
YOLO	3,236	72,974	68,921	145,131	780	6,462	1,914	9,156	199	354	553	145,684
YUBA	781	6,590	9,158	16,529	114	2,846	83	3,043	201	3	204	16,733
** UNKNOWN **	4,798	144,138	234,272	383,208	234	35,341	9,220	44,795	25,134	1,121	26,255	409,463
TOTAL	193,096	2,921,121	2,058,177	5,176,394	49,914	1,495,378	401,932	1,947,224	97,028	12,548	109,576	5,285,970

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2023-JUNE 2024
TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NON-FARM

COUNTY	ALL NITROGEN	ALL P2O5	ALL K2O	ALL TOTAL	DRY NITROGEN	DRY P2O5	DRY K2O	DRY TOTAL	LIQUID NITROGEN	LIQUID P2O5	LIQUID K2O	LIQUID TOTAL
ALAMEDA	971	310	466	1,746	464	203	237	904	507	107	229	843
ALPINE	1	737	4	741	1	470	4	474	0	267	0	267
AMADOR	22	25	52	99	17	19	24	59	5	6	28	39
BUTTE	15,205	3,197	6,469	24,871	6,065	1,450	4,749	12,265	9,140	1,747	1,720	12,606
CALAVERAS	62	22	32	117	42	11	23	76	20	11	9	41
COLUSA	22,671	3,168	7,277	33,115	7,295	2,075	4,085	13,455	15,375	1,093	3,192	19,660
CONTRA COSTA	3,542	951	856	5,349	738	260	450	1,448	2,804	691	406	3,901
DEL NORTE	30	21	18	69	22	15	16	53	8	6	2	16
EL DORADO	133	19	40	192	73	7	30	110	60	12	10	82
FRESNO	69,757	17,768	34,141	121,666	17,001	6,785	10,918	34,704	52,756	10,983	23,223	86,962
GLENN	10,286	1,602	5,804	17,692	2,227	1,358	4,457	8,043	8,059	243	1,347	9,649
HUMBOLDT	528	956	407	1,891	477	871	318	1,666	51	85	89	225
IMPERIAL	63,592	30,832	5,603	100,026	33,996	13,665	3,679	51,340	29,596	17,167	1,924	48,687
INYO	70	69	177	317	27	68	176	271	44	1	1	46
KERN	64,058	16,794	47,113	127,965	16,089	3,866	18,826	38,781	47,969	12,928	28,287	89,183
KINGS	31,528	5,186	8,355	45,069	16,308	907	2,862	20,077	15,221	4,279	5,493	24,992
LAKE	268	114	145	527	160	59	91	310	108	55	54	217
LASSEN	679	182	320	1,181	378	180	317	876	301	1	3	305
LOS ANGELES	5,206	2,833	2,606	10,645	4,122	2,179	1,289	7,591	1,084	653	1,317	3,054
MADERA	16,867	4,002	12,473	33,342	3,334	2,170	3,166	8,670	13,533	1,832	9,307	24,672
MARIN	259	109	139	507	250	108	129	487	9	1	10	20
MARIPOSA	2	4	4	10	0	2	2	4	2	2	2	6
MENDOCINO	848	390	494	1,732	643	298	428	1,369	205	92	66	363
MERCED	31,211	4,280	15,701	51,192	11,668	1,730	7,843	21,241	19,543	2,550	7,858	29,951
MODOC	2,232	1,195	666	4,093	2,038	1,005	666	3,709	195	190	0	384
MONO	64	58	56	178	60	58	56	174	4	0	0	4
MONTEREY	45,362	15,666	10,019	71,047	15,746	12,695	7,205	35,647	29,616	2,970	2,814	35,400
NAPA	5,386	302	766	6,455	4,905	183	311	5,399	481	119	455	1,055
NEVADA	319	25	30	375	94	15	22	132	225	11	8	243
ORANGE	3,644	1,164	1,703	6,512	2,474	534	897	3,904	1,171	631	806	2,607
PLACER	1,807	469	709	2,986	1,103	444	664	2,212	704	25	45	774
PLUMAS	55	10	15	79	54	8	14	75	1	2	1	4
RIVERSIDE	16,281	7,869	6,385	30,534	7,995	4,770	5,225	17,990	8,286	3,099	1,160	12,545
SACRAMENTO	12,933	2,741	5,676	21,349	6,523	925	2,812	10,260	6,410	1,816	2,864	11,090
SAN BENITO	2,128	325	305	2,759	437	233	175	845	1,691	92	130	1,914
SAN BERNARDINO	10,022	3,663	2,783	16,469	9,723	3,547	2,668	15,938	300	116	115	531
SAN DIEGO	6,916	5,493	4,103	16,512	5,924	5,357	3,908	15,189	993	135	195	1,323
SAN FRANCISCO	760	186	126	1,072	220	156	94	470	540	30	32	602
SAN JOAQUIN	26,181	5,694	18,292	50,166	8,574	1,997	10,010	20,580	17,607	3,697	8,282	29,586
SAN LUIS OBISPO	3,961	769	2,349	7,080	1,094	454	1,018	2,566	2,867	315	1,331	4,514
SAN MATEO	1,012	292	348	1,653	853	286	341	1,481	159	6	7	172
SANTA BARBARA	15,162	2,699	4,310	22,171	2,572	1,107	2,286	5,966	12,590	1,591	2,024	16,205
SANTA CLARA	4,452	1,299	1,913	7,664	2,406	1,092	1,505	5,003	2,046	207	408	2,661
SANTA CRUZ	6,644	896	1,510	9,049	3,024	626	1,178	4,828	3,619	269	332	4,221
SHASTA	2,339	706	1,106	4,151	2,206	640	992	3,838	133	65	114	312
SIERRA	26	3	33	62	14	2	33	49	12	1	0	13
SISKIYOU	2,084	1,542	2,143	5,769	1,641	1,394	2,133	5,168	443	148	10	601
SOLANO	17,429	4,169	6,200	27,798	4,724	1,050	1,469	7,243	12,705	3,120	4,731	20,555
SONOMA	5,365	1,434	1,390	8,189	3,252	1,152	708	5,112	2,113	282	682	3,076
STANISLAUS	38,026	6,187	21,626	65,839	8,027	2,671	15,075	25,773	29,999	3,516	6,551	40,066
SUTTER	20,021	2,559	3,882	26,462	6,532	1,182	1,847	9,561	13,490	1,376	2,035	16,901
TEHAMA	2,583	767	3,232	6,582	1,330	712	2,543	4,586	1,254	55	689	1,997
TRINITY	113	87	34	234	16	10	8	33	97	78	26	201
TULARE	47,338	12,315	20,492	80,145	11,358	6,668	11,421	29,446	35,981	5,647	9,071	50,699
TUOLUMNE	27	3	63	93	3	2	62	67	24	1	1	26
VENTURA	13,139	2,989	4,473	20,601	4,593	1,483	2,878	8,954	8,546	1,506	1,595	11,648
YOLO	21,058	3,475	8,252	32,784	3,499	916	2,345	6,759	17,559	2,559	5,907	26,025
YUBA	3,658	367	1,463	5,488	866	233	1,088	2,187	2,792	134	375	3,301
** UNKNOWN **	160,972	56,817	38,735	256,524	50,866	22,454	18,687	92,007	110,106	34,363	20,048	164,517
TOTAL	837,295	237,806	323,884	1,398,985	296,142	114,819	166,464	577,424	541,153	122,987	157,420	821,560

FERTILIZING MATERIALS TONNAGE REPORT

JULY – DECEMBER 2024



FEED, FERTILIZER, AND LIVESTOCK DRUGS REGULATORY SERVICES
DIVISION OF INSPECTION SERVICES

SACRAMENTO, CALIFORNIA 95814



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

FOREWORD

This publication summarizes State and County tonnage sales/distributions of commercial fertilizers, specialty fertilizers, agricultural minerals, and compost as required by Section 14622 of the Food and Agricultural Code.

The tonnage, by grade and analysis, is computed from licensee reports filed with the California Department of Food and Agriculture, in accordance with Section 14621 of the Food and Agricultural Code.

Licensees are required to report, semi-annually, the tonnage of commercial fertilizers, specialty fertilizers, agricultural minerals, and/or compost sold/distributed in California, as defined in the Food and Agricultural Code, Sections 14512, 14522 and 14563, 14550.5, and 14525. The tonnage of materials is to be reported by the last licensee selling/distributing to unlicensed purchasers.

The tonnage report is a breakdown of the raw materials for nitrogen, phosphorus, potassium, and agricultural mineral materials. The amounts of nitrogen, phosphorus, and potassium ingredients, in differing formulas, are determined by the last licensee, and that amount is placed in the appropriate category.

Keeping the above in mind, this report is only as accurate as the reports received in this office; therefore, the figures may vary from publication to publication.

If you have any questions, please contact our office at the number below.

Sincerely,

Original Signed by Jenna Leal

Jenna Leal,
Environmental Program Manager II



STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS AND AGRICULTURAL MINERALS
TOTAL TONS OF MATERIALS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JAN-JUNE 2023	JAN-JUNE 2024	JULY-DEC 2023	JULY-DEC 2024	JAN-DEC 2023	JAN-DEC 2024
2	ANHYDROUS AMMONIA	2,865	5,761	5,924	3,548	8,789	9,309
6	AQUA AMMONIA	129,441	128,918	3,845	12,016	133,286	140,934
10	AMMONIUM NITRATE	208	1,917	1,166	3,506	1,374	5,423
12	AMMONIUM NITRATE SOLUTION	29,375	31,210	22,198	20,495	51,573	51,705
20	AMMONIUM POLYSULFIDE	125	7,538	105	5,512	230	13,050
24	AMMONIUM SULFATE	52,908	37,250	30,621	25,535	83,529	62,785
31	AMMONIUM THIOSULFATE	4,625	8,398	2,526	3,192	7,151	11,590
35	CALCIUM AMMONIUM NITRATE SOLUTION	178,435	184,827	68,110	63,779	246,545	248,606
43	CALCIUM NITRATE	12,732	14,706	14,280	7,420	27,012	22,126
58	NITROGEN SOLUTION 28%	6,193	5,386	3,614	767	9,807	6,153
60	NITROGEN SOLUTION 32%	398,263	452,582	162,589	145,283	560,852	597,865
62	SODIUM NITRATE	90	27	9	457	99	484
64	SULFUR COATED UREA	63	58	47	43	110	101
66	UREA	116,922	82,653	56,083	29,597	173,005	112,250
67	UREA SOLUTION	3,653	2,931	1,640	1,550	5,293	4,481
0	NON-FARM USE NITROGEN	27,460	18,610	31,047	17,637	58,507	36,247
98	NITROGEN MATERIALS - COMPOST	6,323	8,776	27,039	5,460	33,362	14,236
203	DIAMMONIUM PHOSPHATE	22	70	16	23	38	93
207	AMMONIUM PHOSPHATE SULFATE	9,830	9,348	1,485	1,921	11,315	11,269
209	MONOAMMONIUM PHOSPHATE	24,007	22,177	52,434	23,476	76,441	45,653
248	PHOSPHORIC ACID	6,915	11,983	13,745	7,431	20,660	19,414
249	LIQUID AMMONIUM POLYPHOSPHATE	34,825	43,211	21,137	11,376	55,962	54,587
263	NORMAL SUPERPHOSPHATE	54	2	0	4	54	6
267	TRIPLE SUPERPHOSPHATE	102	376	122	254	224	630
0	NON-FARM USE PHOSPHORUS	8,218	7,465	10,938	5,458	19,156	12,923
298	PHOSPHORUS MATERIALS - COMPOST	1,574	4,418	2,808	3,080	4,382	7,498
428	MURIATE OF POTASH	25,059	26,208	20,747	15,802	45,806	42,010
443	SULFATE OF POTASH MAGNESIA	53,144	19,202	15,900	15,836	69,044	35,038
453	POTASSIUM NITRATE	47,669	7,256	5,715	3,576	53,384	10,832
463	POTASSIUM SULFATE	43,093	53,905	70,242	69,182	113,335	123,087
0	NON-FARM USE POTASH	9,656	9,266	7,067	6,277	16,723	15,543
498	POTASSIUM MATERIALS - COMPOST	11,020	12,858	6,667	3,710	17,687	16,568
601	BLOOD MEAL	79	101	99	30	178	131
667	SEWAGE SLUDGE	191,034	140,122	109,140	147,163	300,174	287,285
723	COPPER - ALL MATERIALS	1,482	1,521	399	1,225	1,881	2,746
731	IRON - ALL MATERIALS	417	716	245	150	662	866
732	GYPSUM - ALL MATERIALS	353,125	415,747	679,610	870,747	1,032,735	1,286,494
770	SULFUR	33,378	17,397	44,688	60,258	78,066	77,655
774	SULFURIC ACID	36,741	48,732	65,737	32,926	102,478	81,658
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	239,910	174,562	89,264	92,859	329,174	267,421
907	LIMING MATERIALS - ALL MATERIALS	113,575	46,538	218,460	142,672	332,035	189,210
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	101,937	17,914	12,454	8,963	114,391	26,877
613	OIM BULK COMPOST - NO NUTRIENTS	181,742	202,218	462,428	518,586	644,170	720,804
0	TOTAL	2,498,289	2,284,861	2,342,390	2,388,782	4,840,679	4,673,643

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JAN-JUNE 2023	JAN-JUNE 2023	JAN-JUNE 2023	JAN-JUNE 2024	JAN-JUNE 2024	JAN-JUNE 2024
		N	P2O5	K2O	N	P2O5	K2O
0	NON-FARM USE NITROGEN	27,460	0	0	18,610	0	0
0	NON-FARM USE PHOSPHORUS	0	8,218	0	0	7,465	0
0	NON-FARM USE POTASH	0	0	9,656	0	0	9,266
2	ANHYDROUS AMMONIA	2,349	0	0	4,724	0	0
6	AQUA AMMONIA	25,888	0	0	25,784	0	0
10	AMMONIUM NITRATE	71	0	0	652	0	0
12	AMMONIUM NITRATE SOLUTION	5,875	0	0	6,242	0	0
20	AMMONIUM POLYSULFIDE	25	0	0	1,508	0	0
24	AMMONIUM SULFATE	11,111	0	0	7,823	0	0
31	AMMONIUM THIOSULFATE	555	0	0	1,008	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	30,334	0	0	31,421	0	0
43	CALCIUM NITRATE	1,910	0	0	2,206	0	0
58	NITROGEN SOLUTION 28%	1,734	0	0	1,508	0	0
60	NITROGEN SOLUTION 32%	127,444	0	0	144,826	0	0
62	SODIUM NITRATE	14	0	0	4	0	0
64	SULFUR COATED UREA	23	0	0	21	0	0
66	UREA	53,784	0	0	38,020	0	0
67	UREA SOLUTION	731	0	0	586	0	0
97	NITROGEN MATERIALS - ALL OTHER	122,449	0	0	134,690	0	0
98	NITROGEN MATERIALS - COMPOST	6,323	0	0	8,776	0	0
203	DIAMMONIUM PHOSPHATE	4	10	0	13	32	0
207	AMMONIUM PHOSPHATE SULFATE	1,573	1,966	0	1,496	1,870	0
209	MONOAMMONIUM PHOSPHATE	2,641	12,484	0	2,439	11,532	0
248	PHOSPHORIC ACID	0	3,734	0	0	6,471	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,483	11,841	0	4,321	14,692	0
263	NORMAL SUPERPHOSPHATE	0	12	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	47	0	0	173	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	59,842	0	0	63,957	0
298	PHOSPHORUS MATERIALS - COMPOST	0	1,574	0	0	4,418	0
428	MURIATE OF POTASH	0	0	15,035	0	0	15,725
443	SULFATE OF POTASH MAGNESIA	0	0	11,692	0	0	4,224
453	POTASSIUM NITRATE	6,674	0	20,974	1,016	0	3,193
463	POTASSIUM SULFATE	0	0	21,547	0	0	26,953
497	POTASSIUM MATERIALS - ALL OTHER	0	0	211,921	0	0	117,061
498	POTASSIUM MATERIALS - COMPOST	0	0	11,020	0	0	12,858
601	BLOOD MEAL	9	0	0	12	0	0
667	SEWAGE SLUDGE	11,462	3,821	1,910	8,407	2,802	1,401
0	TOTAL	443,925	103,548	303,755	446,112	113,412	190,681

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JUL-DEC 2023 N	JUL-DEC 2023 P2O5	JUL-DEC 2023 K2O	JUL-DEC 2024 N	JUL-DEC 2024 P2O5	JUL-DEC 2024 K2O
0	NON-FARM USE NITROGEN	31,047	0	0	17,637	0	0
0	NON-FARM USE PHOSPHORUS	0	10,938	0	0	5,458	0
0	NON-FARM USE POTASH	0	0	7,067	0	0	6,277
2	ANHYDROUS AMMONIA	4,858	0	0	2,909	0	0
6	AQUA AMMONIA	769	0	0	2,403	0	0
10	AMMONIUM NITRATE	396	0	0	1,192	0	0
12	AMMONIUM NITRATE SOLUTION	4,440	0	0	4,099	0	0
20	AMMONIUM POLYSULFIDE	21	0	0	1,102	0	0
24	AMMONIUM SULFATE	6,430	0	0	5,362	0	0
31	AMMONIUM THIOSULFATE	303	0	0	383	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	11,579	0	0	10,842	0	0
43	CALCIUM NITRATE	2,142	0	0	1,113	0	0
58	NITROGEN SOLUTION 28%	1,012	0	0	215	0	0
60	NITROGEN SOLUTION 32%	52,028	0	0	46,491	0	0
62	SODIUM NITRATE	1	0	0	73	0	0
64	SULFUR COATED UREA	17	0	0	15	0	0
66	UREA	25,798	0	0	13,615	0	0
67	UREA SOLUTION	328	0	0	310	0	0
97	NITROGEN MATERIALS - ALL OTHER	207,815	0	0	101,896	0	0
98	NITROGEN MATERIALS - COMPOST	27,039	0	0	5,460	0	0
203	DIAMMONIUM PHOSPHATE	3	7	0	4	11	0
207	AMMONIUM PHOSPHATE SULFATE	238	297	0	307	384	0
209	MONOAMMONIUM PHOSPHATE	5,768	27,266	0	2,582	12,208	0
248	PHOSPHORIC ACID	0	7,422	0	0	4,013	0
249	LIQUID AMMONIUM POLYPHOSPHATE	2,114	7,187	0	1,138	3,868	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	1	0
267	TRIPLE SUPERPHOSPHATE	0	56	0	0	117	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	66,090	0	0	43,272	0
298	PHOSPHORUS MATERIALS - COMPOST	0	2,808	0	0	3,080	0
428	MURIATE OF POTASH	0	0	12,448	0	0	9,481
443	SULFATE OF POTASH MAGNESIA	0	0	3,498	0	0	3,484
453	POTASSIUM NITRATE	800	0	2,515	501	0	1,573
463	POTASSIUM SULFATE	0	0	35,121	0	0	34,591
497	POTASSIUM MATERIALS - ALL OTHER	0	0	64,848	0	0	69,033
498	POTASSIUM MATERIALS - COMPOST	0	0	6,667	0	0	3,710
601	BLOOD MEAL	12	0	0	4	0	0
667	SEWAGE SLUDGE	6,548	2,183	1,091	8,830	2,943	1,472
0	TOTAL	391,506	124,254	133,255	228,484	75,354	129,621

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JAN-DEC 2023 N	JAN-DEC 2023 P2O5	JAN-DEC 2023 K2O	JAN-DEC 2024 N	JAN-DEC 2024 P2O5	JAN-DEC 2024 K2O
0	NON-FARM USE NITROGEN	58,507	0	0	36,247	0	0
0	NON-FARM USE PHOSPHORUS	0	19,156	0	0	12,923	0
0	NON-FARM USE POTASH	0	0	16,723	0	0	15,543
2	ANHYDROUS AMMONIA	7,207	0	0	7,633	0	0
6	AQUA AMMONIA	26,657	0	0	28,187	0	0
10	AMMONIUM NITRATE	467	0	0	1,844	0	0
12	AMMONIUM NITRATE SOLUTION	10,315	0	0	10,341	0	0
20	AMMONIUM POLYSULFIDE	46	0	0	2,610	0	0
24	AMMONIUM SULFATE	17,541	0	0	13,185	0	0
31	AMMONIUM THIOSULFATE	858	0	0	1,391	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	41,913	0	0	42,263	0	0
43	CALCIUM NITRATE	4,052	0	0	3,319	0	0
58	NITROGEN SOLUTION 28%	2,746	0	0	1,723	0	0
60	NITROGEN SOLUTION 32%	179,473	0	0	191,317	0	0
62	SODIUM NITRATE	16	0	0	77	0	0
64	SULFUR COATED UREA	40	0	0	36	0	0
66	UREA	79,582	0	0	51,635	0	0
67	UREA SOLUTION	1,059	0	0	896	0	0
97	NITROGEN MATERIALS - ALL OTHER	330,264	0	0	236,586	0	0
98	NITROGEN MATERIALS - COMPOST	33,362	0	0	14,236	0	0
203	DIAMMONIUM PHOSPHATE	7	17	0	17	43	0
207	AMMONIUM PHOSPHATE SULFATE	1,810	2,263	0	1,803	2,254	0
209	MONOAMMONIUM PHOSPHATE	8,409	39,749	0	5,022	23,740	0
248	PHOSPHORIC ACID	0	11,156	0	0	10,484	0
249	LIQUID AMMONIUM POLYPHOSPHATE	5,596	19,027	0	5,459	18,560	0
263	NORMAL SUPERPHOSPHATE	0	12	0	0	1	0
267	TRIPLE SUPERPHOSPHATE	0	103	0	0	290	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	125,932	0	0	107,229	0
298	PHOSPHORUS MATERIALS - COMPOST	0	4,382	0	0	7,498	0
428	MURIATE OF POTASH	0	0	27,484	0	0	25,206
443	SULFATE OF POTASH MAGNESIA	0	0	15,190	0	0	7,708
453	POTASSIUM NITRATE	7,474	0	23,489	1,516	0	4,766
463	POTASSIUM SULFATE	0	0	56,668	0	0	61,544
497	POTASSIUM MATERIALS - ALL OTHER	0	0	276,769	0	0	186,094
498	POTASSIUM MATERIALS - COMPOST	0	0	17,687	0	0	16,568
601	BLOOD MEAL	21	0	0	16	0	0
667	SEWAGE SLUDGE	18,010	6,003	3,002	17,237	5,746	2,873
0	TOTAL	835,431	227,802	437,010	674,596	188,766	320,302

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2024
TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN	
ALAMEDA	0	0	0	0	0	8	28	0	39	28	0	191	0	0	0	16	0	296	0	327
ALPINE	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	3	0	0	0	0	0	4	0	0	0	0	0	3	0	2
BUTTE	0	7	0	0	0	3,946	7	0	69	40	0	851	0	0	0	276	0	79	3	29
CALAVERAS	0	0	0	0	0	0	1	0	5	0	0	12	0	0	0	0	0	6	0	2
COLUSA	164	5,343	0	0	0	4,518	26	0	1,093	2	54	6,777	0	0	0	1,623	0	1,602	0	0
CONTRA COSTA	0	0	17	2	0	4	0	0	15	0	0	958	0	0	0	152	0	329	0	291
DEL NORTE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
EL DORADO	0	15	0	0	0	2	0	0	1	1	0	1	0	0	0	0	0	21	0	34
FRESNO	51	6	110	50	28	643	42	0	8,027	1,034	282	17,370	38	0	0	747	64	12,042	2,306	516
GLENN	0	1,254	0	0	0	865	15	0	443	27	4	1,289	0	0	0	260	0	286	0	10
HUMBOLDT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	3	138
IMPERIAL	100	0	388	4,907	0	868	289	0	3,987	54	4	18,054	2	0	0	12,840	0	6,642	304	15
INYO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
KERN	8	0	56	32	0	408	55	0	2,099	111	13	13,126	0	0	0	536	72	7,003	974	121
KINGS	342	1	0	0	0	342	7	0	416	7	3	10,738	0	0	0	618	9	2,988	10	3
LAKE	0	0	0	0	0	116	42	0	360	10	0	145	0	0	0	1	0	78	23	0
LASSEN	0	0	0	0	0	58	0	0	52	0	0	80	0	0	0	41	0	84	0	0
LOS ANGELES	0	0	0	47	0	297	0	0	43	201	0	286	0	0	0	148	1	750	12	1,382
MADERA	0	9	64	0	0	55	26	0	930	30	14	5,832	0	0	0	164	25	2,574	2	4
MARIN	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2	0	90
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	126	0	4	0	42	42	0	69	7	0	74	0	0	0	5	0	142	137	47
MERCED	0	1	347	2	0	676	167	0	3,188	98	21	8,656	0	0	0	350	16	2,968	78	51
MODOC	0	0	0	0	0	286	142	0	5	0	0	319	0	35	272	0	0	39	0	0
MONO	0	0	0	0	0	0	0	0	0	0	0	66	0	0	0	0	0	0	0	15
MONTEREY	0	0	2,011	5,338	5,100	957	1,297	0	12,065	489	37	5,248	46	0	0	1,015	718	19,404	0	225
NAPA	2	0	0	0	0	1	1	0	91	39	0	31	3	0	0	3	0	289	31	28
NEVADA	0	0	0	0	0	36	2	0	6	0	0	13	0	0	0	13	0	33	0	41
ORANGE	0	0	2	25	0	638	0	0	331	74	0	183	0	0	0	43	1	484	0	1,467
PLACER	0	0	0	0	0	124	2	0	0	3	0	145	0	0	0	56	0	66	47	289
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	3
RIVERSIDE	7	0	29	2,232	0	334	1	0	2,786	612	0	2,083	319	0	0	602	3	1,529	286	3,145
SACRAMENTO	23	595	0	0	0	298	29	0	437	153	34	1,908	0	0	0	237	0	878	10	1,007
SAN BENITO	0	0	0	120	200	6	0	0	1,655	71	0	69	0	0	0	9	0	1,005	0	0
SAN BERNARDINO	0	0	0	0	0	26	0	0	10	10	0	101	0	0	0	32	0	148	26	2,018
SAN DIEGO	0	51	25	94	0	91	0	0	455	350	6	265	0	0	0	88	7	1,137	3	1,630
SAN FRANCISCO	0	0	0	0	0	56	0	0	0	0	0	2	0	0	0	9	0	5	0	25
SAN JOAQUIN	0	0	0	8	0	305	294	0	2,505	316	32	11,142	0	0	0	3,309	5	2,872	5	682
SAN LUIS OBISPO	0	5	0	821	0	143	13	0	2,054	107	18	1,134	0	0	0	136	130	650	3	217
SAN MATEO	0	0	0	0	0	105	0	0	0	10	0	0	0	0	0	87	0	148	0	288
SANTA BARBARA	0	0	110	3,526	0	45	46	0	3,842	665	0	5,159	0	0	0	298	2	4,638	3	278
SANTA CLARA	0	0	0	77	0	42	0	0	1,293	95	0	361	0	0	0	17	0	579	78	386
SANTA CRUZ	0	0	0	772	0	61	6	13	707	153	0	40	0	0	0	69	0	2,527	0	320
SHASTA	0	1	34	0	0	188	1	0	42	49	0	187	0	0	0	447	0	228	0	20
SIERRA	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	272	151	0	588	0	0	262	0	8	382	0	0	89	0	61
SOLANO	667	71	51	145	0	843	71	0	120	42	59	1,463	0	0	0	1,034	472	3,500	47	148
SONOMA	0	102	7	215	0	35	21	3	57	295	0	50	0	0	0	12	0	1,818	84	92
STANISLAUS	659	0	0	0	170	879	138	0	3,181	313	0	11,887	611	0	0	1,384	1	1,647	100	159
SUTTER	0	1,799	0	0	0	3,192	7	0	648	171	20	2,238	9	0	0	398	0	1,144	34	18
TEHAMA	0	0	0	0	0	37	2	0	9	6	0	149	0	0	0	128	0	171	0	30
TRINITY	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	2	0	0
TULARE	27	1	0	11	0	467	88	0	2,215	518	30	7,717	1	0	0	467	24	6,992	490	112
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	1
VENTURA	0	0	0	864	0	26	0	0	4,279	1,027	0	2,345	0	0	0	53	0	2,081	0	585
YOLO	75	2,439	255	8	0	2,056	126	0	2,453	29	40	5,159	3	0	0	1,027	0	5,827	305	43
YUBA	0	0	0	0	0	195	0	0	46	2	24	103	0	0	0	104	0	285	56	57
** UNKNOWN **	1,423	190	0	1,195	14	939	7	14	1,040	170	72	964	25	0	0	88	0	3,741	0	1,184
TOTAL	3,548	12,016	3,506	20,495	5,512	25,535	3,192	30	63,779	7,420	767	145,283	457	43	29,597	1,550	101,896	5,460	17,637	

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2024
TONS OF PHOSPHORUS AND POTASSIUM MATERIALS - FARM USE AND NON-FARM USE

COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHORUS MATERIALS - ALL OTHER	PHOSPHORUS MATERIALS - COMPOST	NON-FARM USE PHOSPHORUS	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER	POTASSIUM MATERIALS - ALL COMPOST	NON-FARM USE POTASH
ALAMEDA	0	0	7	0	2	0	0	12	0	104	19	0	0	25	175	0	157
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	10	2	0	1	0	0	1	0	1	1	0	0	0	2	0	1
BUTTE	0	185	76	59	2	0	1	48	1	10	1,029	44	15	3,598	278	2	9
CALAVERAS	0	0	0	0	1	0	0	8	0	1	2	0	1	10	3	0	3
COLUSA	0	439	531	0	634	0	0	685	0	0	127	1,570	2	4,772	1,727	0	0
CONTRA COSTA	0	0	5	0	147	0	1	318	0	40	77	4	37	82	297	0	238
DEL NORTE	0	0	0	0	0	0	0	27	0	0	0	0	0	0	73	0	1
EL DORADO	0	0	0	0	2	0	0	2	0	1	2	0	1	82	5	0	1
FRESNO	0	0	2,102	752	1,347	0	48	3,708	963	146	787	2,359	160	4,973	11,671	693	271
GLENN	0	90	286	2	17	0	0	213	0	0	379	490	10	3,012	524	0	0
HUMBOLDT	0	0	0	0	0	0	0	303	1	115	0	0	1	0	12	3	100
IMPERIAL	0	0	11,898	3,748	1,803	0	0	5,319	344	11	253	10	14	1,229	137	384	6
INYO	0	0	72	0	0	0	0	0	0	0	118	0	0	0	0	0	0
KERN	11	0	798	832	1,128	0	2	1,578	573	39	990	1,436	106	1,924	6,207	1,072	52
KINGS	0	0	888	198	1,048	0	1	530	6	1	332	605	106	920	2,139	4	1
LAKE	0	0	0	0	29	0	2	3	11	1	0	3	0	4	165	21	2
LASSEN	0	35	18	0	9	0	0	0	0	0	57	0	0	16	13	0	0
LOS ANGELES	1	0	47	2	0	0	1	615	6	769	0	22	18	69	515	11	386
MADERA	0	0	114	66	122	0	0	1,102	134	1	468	990	26	2,803	2,134	337	1
MARIN	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	46
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	2	9	0	83	0	0	80	65	46	2	31	5	116	335	122	55
MERCED	0	0	409	45	246	0	0	969	99	9	2,022	570	127	3,848	4,301	86	15
MODOC	0	210	216	0	0	0	0	29	0	0	70	0	0	68	3	0	0
MONO	0	0	9	0	0	0	0	8	0	0	12	0	0	0	1	0	0
MONTEREY	0	4	725	406	84	0	0	8,992	0	74	162	510	358	4,643	7,749	0	150
NAPA	0	14	13	0	17	0	42	233	28	8	0	2	6	187	704	26	18
NEVADA	0	0	0	0	3	0	0	2	0	7	7	0	0	7	8	0	7
ORANGE	0	0	0	0	5	0	3	237	0	361	12	159	2	179	247	0	511
PLACER	0	0	29	0	0	0	0	29	0	72	9	6	0	98	39	0	143
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
RIVERSIDE	0	0	1,721	255	1,071	0	7	808	118	1,121	1,123	74	48	350	701	272	555
SACRAMENTO	0	77	136	0	100	0	0	220	20	289	196	174	18	596	2,595	6	478
SAN BENITO	0	0	4	0	0	0	0	226	0	1	0	66	1	245	364	0	0
SAN BERNARDINO	0	0	52	25	27	0	2	42	11	448	0	0	3	2	323	25	695
SAN DIEGO	5	0	6	14	0	0	19	199	0	343	109	43	1,357	605	264	0	396
SAN FRANCISCO	0	0	28	0	0	0	0	1	0	11	24	71	0	0	1	0	18
SAN JOAQUIN	0	0	244	2	303	0	35	2,028	12	123	1,283	286	98	7,836	5,288	3	218
SAN LUIS OBISPO	0	0	27	5	44	0	14	129	45	15	15	269	511	147	514	70	36
SAN MATEO	0	0	8	0	9	0	0	53	0	49	7	0	2	0	67	0	76
SANTA BARBARA	0	0	423	67	230	0	22	943	0	74	375	446	10	1,580	1,135	0	112
SANTA CLARA	0	0	2	0	8	0	0	87	30	108	0	229	3	249	260	60	216
SANTA CRUZ	6	0	5	1	0	0	2	154	0	57	0	42	35	458	102	0	108
SHASTA	0	137	221	0	0	0	0	62	0	7	305	0	9	41	11	0	14
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	118	283	0	6	0	0	103	0	19	124	0	0	183	107	0	34
SOLANO	0	143	147	0	429	0	14	169	25	60	579	496	5	2,326	2,228	28	136
SONOMA	0	65	8	0	25	0	28	557	40	78	100	23	7	219	844	115	29
STANISLAUS	0	10	916	92	1,588	0	0	4,056	221	82	2,753	71	130	11,458	2,020	72	92
SUTTER	0	141	103	0	106	0	0	19	16	6	106	817	42	1,151	1,063	31	13
TEHAMA	0	0	100	1	1	0	0	0	0	3	412	8	9	3,953	125	0	4
TRINITY	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
TULARE	0	0	136	784	507	0	0	3,921	272	17	521	1,539	180	526	3,919	196	26
TUOLUMNE	0	0	0	0	0	0	0	0	0	1	0	84	0	0	0	0	1
VENTURA	0	10	93	73	100	0	3	1,414	0	82	212	876	53	714	1,226	0	158
YOLO	0	119	346	1	92	0	0	269	15	12	419	991	31	2,753	3,487	29	24
YUBA	0	96	28	0	0	0	0	29	24	25	59	15	13	271	211	42	42
** UNKNOWN **	0	16	135	1	0	0	8	2,731	0	568	143	405	16	854	2,708	0	623
TOTAL	23	1,921	23,476	7,431	11,376	0	254	43,272	3,080	5,458	15,802	15,836	3,576	69,182	69,033	3,710	6,277

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2024

TONS OF AGRICULTURAL MINERALS AND BULK COMPOST - FARM USE AND NON-FARM USE

COUNTY	COPPER - ALL MATERIALS	IRON - ALL MATERIALS	GYPSUM - ALL MATERIALS	LIMING MATERIALS - ALL MATERIALS	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	SECONDARY/MICRONUTRIENTS - ALL OTHER	NON-FARM USE SECONDARY/MICRONUTRIENTS	OIM BULK COMPOST - NO NUTRIENTS
ALAMEDA	0	0	123	14	0	11	0	32	117	2
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	1	0	26	0	0
BUTTE	0	0	2,260	453	0	36	0	135	1	1,013
CALAVERAS	0	0	48	0	0	1	0	0	17	0
COLUSA	88	0	22,623	2,820	0	224	49	1,725	0	5,000
CONTRA COSTA	0	4	344	60	0	21	0	97	24	70
DEL NORTE	0	0	0	0	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	1	0	36	1	0
FRESNO	469	9	210,452	4,112	4,508	4,674	3,196	11,501	579	12,802
GLENN	1	0	3,112	593	0	251	0	218	0	7,079
HUMBOLDT	0	0	0	0	0	0	0	2	58	0
IMPERIAL	0	1	489	83,918	0	3,679	1,370	2,916	586	12,902
INYO	0	0	0	96	0	48	0	0	0	0
KERN	107	4	288,465	2,210	23,014	7,995	571	23,351	1,450	1,312
KINGS	21	0	87,481	4,728	2,410	6,796	22,479	1,811	0	5,778
LAKE	0	0	116	0	0	6	0	5	0	0
LASSEN	0	0	124	98	0	43	0	69	0	0
LOS ANGELES	1	0	431	15	142	230	0	265	975	0
MADERA	0	1	3,688	451	12,509	489	26	1,759	0	0
MARIN	0	0	3	0	0	0	0	1	3	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	89	1,157	0	0	0	51	9	0
MERCED	246	2	20,985	2,224	1,312	2,141	449	3,744	0	63,061
MODOC	0	0	249	0	0	101	0	1,088	0	391
MONO	0	0	196	0	0	1	0	69	0	0
MONTEREY	9	36	3,059	6,852	0	129	63	1,715	4	48,770
NAPA	2	0	4,118	76	0	20	0	7,731	751	42,717
NEVADA	0	0	2	0	0	4	0	5	46	11
ORANGE	0	2	104	5	0	126	0	150	315	0
PLACER	0	0	95	0	20	23	0	79	33	28,718
PLUMAS	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	0	2	506	1	0	381	0	10,789	515	12,709
SACRAMENTO	1	2	382	301	40,813	118	0	114	345	10,232
SAN BENITO	0	2	3,204	69	0	118	0	30	1	1,160
SAN BERNARDINO	0	5	90	8	44,631	119	0	80	463	23,826
SAN DIEGO	1	8	836	11	0	32	0	235	1,039	3,714
SAN FRANCISCO	0	8	1	4	0	0	0	1	1	0
SAN JOAQUIN	0	0	27,078	4,715	303	21,819	67	1,465	14	2,527
SAN LUIS OBISPO	5	1	38	7	10,734	4	0	102	4	8,178
SAN MATEO	0	6	31	50	0	0	0	160	19	876
SANTA BARBARA	0	0	39,281	7,382	0	419	1,141	699	25	3,074
SANTA CLARA	0	0	1,552	29	0	2	3	245	43	45,055
SANTA CRUZ	0	0	5,127	107	0	7	11	194	31	124
SHASTA	1	0	617	645	0	85	0	150	2	0
SIERRA	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	0	2,933	564	0	304	189	1,856	0	437
SOLANO	0	0	14,296	195	1,164	12	0	163	100	0
SONOMA	0	4	3,621	883	0	44	0	5,199	68	14,041
STANISLAUS	83	12	48,644	13,090	0	655	349	1,840	98	1,202
SUTTER	0	0	4,430	225	5,564	21	10	87	0	2
TEHAMA	0	0	152	527	0	4	0	48	0	0
TRINITY	0	0	0	0	0	0	0	0	0	0
TULARE	46	4	51,341	1,033	39	7,516	2,212	4,934	646	86,921
TUOLUMNE	0	0	226	0	0	0	0	0	21	641
VENTURA	0	9	347	3	0	637	726	1,380	56	13,854
YOLO	0	0	14,603	1,646	0	421	15	917	4	60,159
YUBA	0	0	2,251	1,108	0	145	0	7	0	0
** UNKNOWN **	144	28	504	187	0	344	0	3,583	499	228
TOTAL	1,225	150	870,747	142,672	147,163	60,258	32,926	92,859	8,963	518,586

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2024
TONS OF MATERIALS BY USE

COUNTY	FARM USE DRY PACKAGED	FARM USE DRY BULK	FARM USE LIQUID	FARM USE TOTAL	AG MIN DRY PACKAGED	AG MIN DRY BULK	AG MIN LIQUID	AG MIN TOTAL	NON-FARM USE DRY	NONFARM USE LIQUID	NON-FARM USE TOTAL	TOTAL ALL
ALAMEDA	60	276	692	1,028	6	156	18	180	692	13	705	1,733
ALPINE	0	0	21	21	0	0	0	0	0	0	0	21
AMADOR	0	44	10	54	0	26	1	27	4	0	4	58
BUTTE	585	12,570	1,357	14,512	62	2,771	51	2,884	49	0	49	14,561
CALAVERAS	49	17	32	98	48	0	1	49	23	0	23	121
COLUSA	3,596	43,039	17,633	64,268	2,021	24,565	943	27,529	0	0	0	64,268
CONTRA COSTA	139	939	1,963	3,041	25	414	87	526	233	360	593	3,634
DEL NORTE	3	97	2	102	0	0	0	0	2	0	2	104
EL DORADO	6	119	47	172	0	34	3	37	37	0	37	209
FRESNO	6,107	258,108	59,911	324,126	1,517	226,864	10,498	238,879	1,302	210	1,512	325,638
GLENN	408	16,509	3,803	20,720	205	3,925	45	4,175	10	0	10	20,730
HUMBOLDT	325	15	2	342	0	0	2	2	359	49	408	750
IMPERIAL	3,674	132,888	42,292	178,854	1,464	86,604	4,305	92,373	618	0	618	179,472
INYO	0	334	5	339	0	144	0	144	0	0	0	339
KERN	4,657	275,333	108,190	388,180	2,417	261,910	81,390	345,717	1,659	3	1,662	389,842
KINGS	3,231	109,090	41,441	153,762	2,557	99,239	23,930	125,726	5	0	5	153,767
LAKE	16	380	744	1,140	0	127	0	127	3	0	3	1,143
LASSEN	0	614	183	797	0	312	22	334	0	0	0	797
LOS ANGELES	1,115	2,349	830	4,294	115	996	91	1,202	3,104	290	3,394	7,688
MADERA	1,705	23,938	11,301	36,944	246	17,631	1,046	18,923	5	1	6	36,950
MARIN	3	4	1	8	3	1	0	4	174	6	180	188
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	508	1,621	666	2,795	95	1,196	6	1,297	139	18	157	2,952
MERCED	1,436	100,084	21,934	123,454	430	27,446	3,227	31,103	72	3	75	123,529
MODOC	0	2,924	599	3,523	0	1,357	81	1,438	0	0	0	3,523
MONO	0	219	143	362	0	197	69	266	15	0	15	377
MONTEREY	17,472	78,781	41,738	137,991	1,231	9,721	911	11,863	452	1	453	138,444
NAPA	1,140	54,553	734	56,427	125	11,567	255	11,947	805	0	805	57,232
NEVADA	4	152	41	197	0	48	5	53	36	20	56	253
ORANGE	544	1,359	1,109	3,012	105	204	78	387	2,431	223	2,654	5,666
PLACER	48	14,897	284	15,229	24	133	40	197	14,857	39	14,896	30,125
PLUMAS	0	30	0	30	0	0	0	0	3	0	3	33
RIVERSIDE	1,980	19,786	19,993	41,759	413	1,177	10,089	11,679	5,042	294	5,336	47,095
SACRAMENTO	583	15,830	44,290	60,703	194	2,400	39,137	41,731	2,010	109	2,119	62,822
SAN BENITO	4,039	2,352	2,233	8,624	3,186	205	32	3,423	2	0	2	8,626
SAN BERNARDINO	505	68,903	216	69,624	128	44,653	11	44,792	3,529	95	3,624	73,248
SAN DIEGO	2,917	5,746	1,367	10,030	777	156	190	1,123	3,284	124	3,408	13,438
SAN FRANCISCO	86	116	9	211	12	2	0	14	55	0	55	266
SAN JOAQUIN	1,613	71,836	22,736	96,185	448	53,988	1,011	55,447	1,006	31	1,037	97,222
SAN LUIS OBISPO	1,272	19,794	5,093	26,159	66	10,765	60	10,891	178	8	186	26,345
SAN MATEO	291	1,311	17	1,619	64	183	0	247	426	6	432	2,051
SANTA BARBARA	3,443	53,279	18,839	75,561	201	47,097	1,624	48,922	484	5	489	76,050
SANTA CLARA	556	47,463	2,337	50,356	63	1,608	160	1,831	630	123	753	51,109
SANTA CRUZ	2,043	6,760	1,920	10,723	179	5,233	34	5,344	514	2	516	11,239
SHASTA	91	3,112	258	3,461	2	1,492	4	1,498	43	0	43	3,504
SIERRA	0	0	2	2	0	0	0	0	0	0	0	2
SISKIYOU	1,122	6,210	1,627	8,959	1,122	4,296	428	5,846	92	22	114	9,073
SOLANO	438	22,152	8,414	31,004	222	15,486	122	15,830	359	85	444	31,448
SONOMA	1,849	23,368	3,305	28,522	325	8,724	702	9,751	207	60	267	28,789
STANISLAUS	2,217	84,549	22,866	109,632	775	62,553	1,345	64,673	355	76	431	110,063
SUTTER	328	11,133	12,133	23,594	13	4,687	5,637	10,337	37	0	37	23,631
TEHAMA	59	5,461	322	5,842	0	711	20	731	32	5	37	5,879
TRINITY	4	0	6	10	0	0	0	0	0	0	0	10
TULARE	5,892	152,706	27,029	185,627	1,602	59,664	5,850	67,116	731	40	771	186,398
TUOLUMNE	0	951	40	991	0	226	0	226	24	0	24	1,015
VENTURA	3,981	15,577	12,847	32,405	409	339	2,354	3,102	871	10	881	33,286
YOLO	1,310	85,466	19,339	106,115	352	16,945	305	17,602	82	1	83	106,198
YUBA	18	4,400	696	5,114	0	3,504	7	3,511	124	0	124	5,238
** UNKNOWN **	6,371	7,630	7,916	21,917	577	2,674	1,539	4,790	2,476	398	2,874	24,791
TOTAL	89,839	1,867,174	593,558	2,550,571	23,826	1,126,356	197,766	1,347,846	49,682	2,730	52,412	2,602,983

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2024
TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NON-FARM

COUNTY	ALL NITROGEN	ALL P2O5	ALL K2O	ALL TOTAL	DRY NITROGEN	DRY P2O5	DRY K2O	DRY TOTAL	LIQUID NITROGEN	LIQUID P2O5	LIQUID K2O	LIQUID TOTAL
ALAMEDA	708	120	356	1,185	386	113	187	686	322	8	169	499
ALPINE	4	0	0	4	0	0	0	0	4	0	0	4
AMADOR	9	5	4	18	6	4	2	12	2	1	2	6
BUTTE	1,399	168	2,722	4,289	1,068	96	2,496	3,659	331	73	226	630
CALAVERAS	13	9	13	35	5	2	11	18	8	7	2	17
COLUSA	7,071	1,290	4,535	12,897	2,380	546	3,517	6,443	4,691	745	1,018	6,454
CONTRA COSTA	1,026	411	639	2,077	365	54	171	591	661	357	468	1,486
DEL NORTE	2	27	74	103	1	26	74	101	1	1	0	2
EL DORADO	59	4	49	112	37	1	45	82	23	3	4	29
FRESNO	23,278	6,886	16,228	46,393	6,018	3,401	8,052	17,471	17,260	3,485	8,177	28,922
GLENN	1,392	387	2,370	4,148	418	374	1,873	2,664	974	13	497	1,484
HUMBOLDT	155	419	115	690	152	379	111	643	3	40	4	47
IMPERIAL	22,235	14,498	1,302	38,035	11,501	10,116	1,203	22,820	10,734	4,382	99	15,215
INYO	13	37	71	121	8	37	71	116	5	0	0	5
KERN	14,659	3,904	9,480	28,043	5,254	2,400	5,407	13,061	9,405	1,504	4,073	14,982
KINGS	7,511	1,511	3,007	12,029	891	521	1,512	2,925	6,620	989	1,495	9,104
LAKE	243	26	191	459	115	16	35	166	128	10	156	293
LASSEN	158	19	55	233	116	16	42	174	42	3	13	58
LOS ANGELES	2,429	1,419	961	4,809	2,148	1,352	721	4,221	281	67	240	589
MADERA	5,510	1,624	4,509	11,643	1,862	1,222	3,199	6,283	3,648	401	1,310	5,360
MARIN	93	42	45	180	89	41	43	173	4	1	2	7
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	415	224	580	1,219	289	170	378	837	126	54	202	382
MERCED	7,040	1,424	7,734	16,198	1,551	570	4,235	6,356	5,489	854	3,499	9,842
MODOC	414	183	79	676	274	154	76	504	140	29	3	172
MONO	37	13	8	58	16	5	8	29	21	8	0	29
MONTEREY	27,328	9,692	10,587	47,607	14,505	8,437	7,746	30,688	12,823	1,255	2,841	16,919
NAPA	389	304	845	1,538	265	279	622	1,166	124	25	223	372
NEVADA	93	10	23	126	64	7	17	87	30	3	6	39
ORANGE	2,237	601	891	3,729	1,866	399	647	2,912	372	202	244	817
PLACER	505	116	238	860	407	87	200	694	99	29	38	166
PLUMAS	28	0	5	33	28	0	5	33	0	0	0	0
RIVERSIDE	7,356	3,447	2,414	13,217	5,130	2,381	1,996	9,507	2,226	1,066	418	3,710
SACRAMENTO	5,414	1,465	3,949	10,828	1,953	497	1,854	4,304	3,460	969	2,095	6,524
SAN BENITO	1,389	229	501	2,120	880	228	487	1,595	509	1	14	524
SAN BERNARDINO	4,934	1,444	1,492	7,870	4,840	1,410	1,462	7,711	95	35	30	159
SAN DIEGO	3,276	564	1,634	5,475	2,775	547	1,594	4,917	501	16	40	557
SAN FRANCISCO	50	27	49	125	44	26	48	118	6	1	1	8
SAN JOAQUIN	9,320	2,416	10,306	22,042	3,439	1,184	5,619	10,242	5,881	1,232	4,687	11,800
SAN LUIS OBISPO	2,611	442	1,094	4,147	1,418	393	595	2,406	1,193	49	499	1,741
SAN MATEO	502	109	148	759	494	102	145	741	8	7	3	18
SANTA BARBARA	8,289	1,361	2,365	12,015	2,447	795	1,298	4,540	5,842	566	1,067	7,475
SANTA CLARA	1,426	229	712	2,367	816	164	476	1,456	611	65	236	911
SANTA CRUZ	3,211	218	464	3,892	2,621	184	437	3,242	590	34	27	650
SHASTA	627	211	232	1,071	540	211	229	980	87	0	3	90
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	638	295	307	1,240	341	186	295	821	298	109	12	419
SOLANO	5,722	535	4,025	10,282	2,045	210	1,825	4,080	3,677	325	2,200	6,202
SONOMA	2,160	714	1,166	4,039	483	607	686	1,776	1,677	107	480	2,264
STANISLAUS	7,991	5,427	9,638	23,056	1,724	3,789	8,054	13,566	6,268	1,638	1,584	9,489
SUTTER	3,653	270	2,000	5,923	1,442	110	947	2,499	2,211	160	1,053	3,424
TEHAMA	330	56	2,358	2,745	155	55	2,339	2,549	176	1	19	195
TRINITY	4	1	1	6	2	1	1	4	2	0	0	2
TULARE	10,972	4,878	5,135	20,985	2,289	3,781	1,608	7,678	8,683	1,097	3,527	13,307
TUOLUMNE	14	1	19	34	1	1	19	21	13	0	0	13
VENTURA	4,530	1,621	2,084	8,235	2,011	556	1,097	3,664	2,519	1,065	987	4,571
YOLO	9,886	532	5,400	15,818	1,856	435	2,215	4,506	8,030	96	3,185	11,312
YUBA	555	112	475	1,142	231	83	264	577	324	29	211	564
** UNKNOWN **	7,166	3,377	3,940	14,483	4,722	3,200	2,881	10,803	2,445	177	1,059	3,680
TOTAL	228,484	75,354	129,621	433,459	96,782	51,962	81,173	229,918	131,702	23,391	48,448	203,541

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2024
TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN
ALAMEDA	0	0	0	0	0	33	31	0	223	164	0	540	0	0	33	3	482	0	526
ALPINE	0	0	0	0	0	0	0	0	21	0	0	0	0	0	2	0	0	0	0
AMADOR	0	0	0	0	0	10	0	0	0	0	1	4	0	0	5	0	9	0	3
BUTTE	0	26,213	0	0	0	6,646	1,038	0	961	433	0	5,488	0	0	7,021	0	1,223	135	1,307
CALAVERAS	0	0	0	0	0	0	5	0	16	0	1	38	0	0	33	0	17	0	14
COLUSA	353	34,025	0	56	76	6,998	69	0	3,675	427	183	20,217	0	0	11,338	4	6,311	0	9
CONTRA COSTA	1,454	0	30	39	0	10	3	0	548	30	0	3,943	0	0	195	0	675	0	584
DEL NORTE	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	5	0	21
EL DORADO	0	15	0	0	0	5	0	0	117	4	0	69	0	0	0	0	25	0	63
FRESNO	130	8	731	488	216	2,218	133	0	43,021	3,207	657	88,717	40	0	5,857	296	21,910	2,832	984
GLENN	0	22,440	0	0	0	2,861	35	0	1,464	552	5	8,422	0	0	1,609	92	1,573	0	16
HUMBOLDT	0	0	0	0	0	0	0	0	0	7	0	8	0	0	3	0	48	9	458
IMPERIAL	1,408	0	412	9,233	0	2,659	892	0	6,927	189	4	46,011	2	0	37,964	0	15,382	456	21
INYO	0	0	0	0	0	0	19	0	0	0	0	109	0	0	5	0	14	0	0
KERN	679	0	56	131	0	1,796	769	0	21,912	827	451	92,457	12	0	2,924	424	20,263	1,352	191
KINGS	866	6	0	0	0	1,581	189	0	3,565	79	15	39,487	0	0	5,848	24	4,182	10	7
LAKE	0	0	0	0	0	176	57	0	484	27	0	230	0	0	19	0	135	25	3
LASSEN	0	0	0	0	0	436	0	0	79	0	0	130	0	0	337	0	307	0	2
LOS ANGELES	0	181	0	276	0	564	0	0	232	878	5	1,004	0	0	304	4	1,677	95	2,989
MADERA	0	19	99	0	0	143	67	0	13,921	168	46	26,829	0	0	1,039	64	4,765	71	9
MARIN	0	0	0	0	0	2	0	0	0	1	0	0	0	0	1	0	4	0	210
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	652	0	8	0	68	100	0	147	41	0	117	0	0	29	0	452	199	165
MERCED	0	3	347	2	0	1,504	385	0	13,545	211	119	39,991	0	0	1,269	51	7,636	96	64
MODOC	0	0	0	0	0	2,085	185	0	5	0	0	389	0	73	1,087	44	474	0	78
MONO	0	0	0	0	0	34	0	0	0	0	0	67	0	0	21	0	3	0	16
MONTEREY	0	10	2,011	16,700	10,569	1,818	2,688	6	25,360	782	837	12,053	49	0	1,723	1,287	33,645	0	280
NAPA	2	0	0	0	0	2	4	0	426	78	0	75	3	0	15	0	778	1,390	75
NEVADA	0	202	0	0	0	56	2	0	9	4	0	22	0	0	39	0	171	0	83
ORANGE	0	0	4	124	0	831	1	0	732	117	0	512	0	0	108	3	1,368	0	2,338
PLACER	0	1,231	0	1	0	217	2	0	104	3	0	546	0	0	360	0	418	47	803
PLUMAS	0	0	0	0	0	3	0	0	0	2	0	0	0	0	19	0	54	0	12
RIVERSIDE	118	0	50	6,588	0	936	1	0	6,715	943	0	7,528	319	0	1,325	4	3,338	738	5,088
SACRAMENTO	287	2,597	0	0	0	370	201	0	1,657	1,012	74	5,770	0	0	1,156	8	3,964	805	1,738
SAN BENITO	0	0	0	210	400	10	0	0	3,240	75	0	131	0	0	14	0	1,403	0	1
SAN BERNARDINO	0	0	3	0	0	62	0	0	31	39	0	414	0	0	55	0	680	32	4,379
SAN DIEGO	0	52	521	202	0	239	0	0	1,200	2,189	7	704	0	0	209	12	3,063	6	2,519
SAN FRANCISCO	0	286	0	0	0	69	0	0	146	29	0	319	0	0	93	0	439	0	60
SAN JOAQUIN	0	0	0	13	0	975	1,421	0	12,238	651	54	38,665	0	0	7,440	7	7,175	535	2,319
SAN LUIS OBISPO	0	5	0	1,673	0	366	38	0	3,399	309	33	2,393	0	0	255	202	1,026	25	282
SAN MATEO	0	57	0	0	0	121	0	0	8	21	0	0	0	0	93	0	347	0	569
SANTA BARBARA	0	0	128	8,395	0	103	166	0	7,474	1,201	3	11,293	0	0	926	13	7,078	9	470
SANTA CLARA	0	0	0	161	29	79	14	0	2,212	133	1	1,060	0	0	122	2	1,334	134	938
SANTA CRUZ	0	0	0	1,678	0	79	20	26	1,445	243	0	213	0	0	138	0	3,558	0	483
SHASTA	0	1	41	26	0	924	8	0	112	124	0	235	0	0	1,483	0	1,072	0	99
SIERRA	0	0	0	0	0	49	3	0	3	0	0	19	0	0	0	0	0	0	2
SISKIYOU	0	0	0	0	0	877	203	0	1,163	0	0	405	0	28	1,891	71	101	0	175
SOLANO	1,259	236	51	554	1,336	2,474	1,112	0	1,459	56	839	6,457	0	0	2,574	1,562	10,006	66	409
SONOMA	0	202	9	352	0	54	54	5	440	697	3	63	0	0	51	0	3,974	224	214
STANISLAUS	821	0	0	0	222	4,614	806	0	19,654	456	273	46,859	11	0	3,500	9	7,382	111	302
SUTTER	0	33,540	0	411	0	8,491	156	0	3,806	499	423	10,783	18	0	1,973	36	6,463	1,236	29
TEHAMA	0	147	0	26	0	1,715	84	0	468	11	2	2,286	0	0	862	0	401	0	174
TRINITY	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	4	0	23
TULARE	220	2	0	56	0	1,619	266	0	18,774	3,027	171	35,909	1	0	5,706	253	27,524	3,169	324
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	1	0	1
VENTURA	0	0	0	2,250	0	132	10	0	10,111	1,836	0	4,003	0	0	202	9	4,332	0	852
YOLO	289	14,149	930	99	188	3,678	345	0	12,513	85	1,745	31,217	3	0	2,395	5	9,721	325	154
YUBA	0	4,465	0	758	0	953	0	0	447	3	126	1,277	1	0	461	0	1,486	104	69
** UNKNOWN **	1,423	190	0	1,195	14	1,040	8	94	2,397	228	75	2,268	25	0	119	0	6,708	0	3,243
TOTAL	9,309	140,934	5,423	51,705	13,050	62,785	11,590	131	248,606	22,126	6,153	597,865	484	101	112,250	4,489	236,586	14,236	36,247

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2024
TONS OF PHOSPHORUS AND POTASSIUM MATERIALS - FARM USE AND NON-FARM USE

COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHORUS MATERIALS - ALL OTHER	PHOSPHORUS MATERIALS - COMPOST	NON-FARM USE PHOSPHORUS	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER	POTASSIUM MATERIALS - ALL COMPOST	NON-FARM USE POTASH
ALAMEDA	0	0	8	0	3	0	0	107	0	200	19	0	4	32	323	0	275
ALPINE	0	0	3	0	0	0	0	735	0	0	6	0	0	0	0	0	0
AMADOR	0	10	2	0	3	0	0	15	0	2	6	0	0	3	20	0	3
BUTTE	0	746	1,966	59	2,765	0	2	443	0	355	3,555	195	116	5,239	1,444	3	470
CALAVERAS	0	0	0	0	2	0	0	16	0	7	7	0	1	10	9	0	12
COLUSA	0	2,245	2,621	101	3,088	0	2	1,069	0	4	279	2,338	26	5,252	5,842	0	4
CONTRA COSTA	0	0	5	1	165	0	0	891	0	157	143	91	60	123	551	0	461
DEL NORTE	0	0	0	0	0	0	0	28	0	19	0	0	0	0	73	0	18
EL DORADO	0	0	0	0	6	0	0	10	0	4	5	0	1	82	10	0	8
FRESNO	0	0	2,991	2,046	5,944	0	114	11,824	1,248	272	1,257	6,096	277	9,631	31,080	897	1,848
GLENN	0	923	1,518	6	126	0	0	819	0	0	488	645	45	5,340	2,322	0	0
HUMBOLDT	0	0	0	0	0	0	0	597	4	409	0	0	1	0	30	9	368
IMPERIAL	0	0	14,335	6,276	3,599	0	0	16,415	572	13	508	61	111	2,220	2,059	689	8
INYO	0	0	95	0	0	0	0	0	0	0	214	0	0	0	0	0	0
KERN	42	329	1,864	2,467	9,727	0	6	9,457	800	49	3,651	6,850	517	16,248	25,365	6,858	88
KINGS	0	0	1,037	1,788	2,332	0	1	2,132	6	3	489	1,462	281	1,586	6,604	4	3
LAKE	0	1	0	0	48	0	4	75	12	1	0	4	2	53	202	23	2
LASSEN	0	125	258	0	10	0	0	8	0	0	320	0	0	57	24	0	0
LOS ANGELES	1	0	230	3	154	0	2	808	46	1,957	56	95	96	325	995	88	1,213
MADERA	22	0	162	748	1,108	0	0	2,059	159	1	1,325	1,810	155	4,320	10,183	355	1
MARIN	0	0	0	0	0	0	0	0	0	95	0	0	0	0	0	0	114
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MENDOCINO	0	8	57	0	206	0	6	185	95	149	4	114	33	155	450	178	166
MERCED	0	0	1,229	110	889	0	1	3,136	119	15	3,860	779	370	6,020	10,993	109	27
MODOC	0	1,452	1,328	0	175	0	0	154	0	26	666	3	0	423	3	0	0
MONO	0	0	73	0	0	0	0	9	0	0	80	0	0	0	2	0	0
MONTEREY	0	47	945	891	229	0	2	15,349	0	96	170	886	640	6,257	11,321	0	199
NAPA	0	18	49	4	39	0	77	438	33	27	0	12	165	308	1,230	35	46
NEVADA	0	9	0	0	5	0	0	4	0	14	10	0	0	8	12	0	17
ORANGE	0	0	1	175	5	0	6	516	0	712	64	199	8	215	887	0	888
PLACER	0	3	147	0	0	0	0	76	0	355	108	7	3	119	86	0	473
PLUMAS	0	0	7	0	0	0	0	0	0	2	13	0	0	0	6	0	4
RIVERSIDE	1	1	3,004	617	4,106	0	14	1,671	378	2,008	2,863	314	149	691	1,926	735	962
SACRAMENTO	0	207	220	0	327	0	0	1,686	21	488	318	293	30	885	5,797	7	769
SAN BENITO	0	0	10	0	0	0	0	413	0	1	0	75	1	265	486	0	0
SAN BERNARDINO	1	0	52	82	83	0	5	74	14	1,315	93	6	4	6	548	30	1,519
SAN DIEGO	5	1	9	56	26	0	41	698	1	680	193	163	3,027	1,723	856	0	668
SAN FRANCISCO	9	0	36	0	0	0	0	134	0	28	24	224	0	0	30	0	37
SAN JOAQUIN	0	10	444	35	1,374	0	46	5,449	12	470	3,205	719	157	10,768	13,545	3	754
SAN LUIS OBISPO	0	0	108	14	96	0	35	468	56	27	82	391	1,037	466	1,177	87	47
SAN MATEO	0	0	8	0	9	0	4	122	0	101	71	1	4	63	120	0	148
SANTA BARBARA	0	0	749	232	554	0	61	1,994	2	135	663	935	85	2,759	2,188	438	180
SANTA CLARA	0	0	3	0	20	0	1	444	51	348	0	229	6	289	748	103	631
SANTA CRUZ	9	0	5	2	1	1	2	423	0	68	0	42	77	610	286	0	134
SHASTA	0	513	612	4	2	0	0	231	0	45	1,220	0	19	142	57	0	80
SIERRA	0	0	0	0	0	0	0	1	0	0	55	0	0	0	0	0	0
SISKIYOU	0	914	2,081	0	67	0	0	185	0	45	2,338	72	0	899	108	0	75
SOLANO	0	750	760	0	3,541	0	139	1,084	35	119	962	726	69	2,643	6,138	40	194
SONOMA	2	69	13	0	237	1	43	878	59	192	111	40	106	457	1,299	152	238
STANISLAUS	0	10	2,154	220	3,790	0	0	6,252	226	126	6,855	234	1,474	15,223	7,531	79	151
SUTTER	0	1,704	1,526	48	3,187	0	5	376	16	10	901	1,099	243	1,915	3,130	32	25
TEHAMA	0	23	1,230	1	28	0	0	60	0	28	448	12	54	5,635	271	0	33
TRINITY	0	0	1	0	202	0	0	1	0	13	1	0	0	0	1	0	31
TULARE	0	0	304	2,886	1,449	0	0	8,726	3,461	66	1,976	3,357	610	3,777	11,779	5,489	87
TUOLUMNE	0	0	0	0	0	0	0	0	0	1	0	84	0	119	0	0	1
VENTURA	1	47	182	508	121	0	5	2,683	0	103	234	1,516	535	1,527	2,631	0	208
YOLO	0	707	815	26	4,615	0	0	1,453	25	58	939	1,813	126	4,037	8,517	47	104
YUBA	0	381	234	0	124	0	0	67	45	30	911	181	91	486	508	78	49
** UNKNOWN **	0	16	162	8	0	0	8	4,529	0	1,474	244	865	16	3,676	4,290	0	1,702
TOTAL	93	11,269	45,653	19,414	54,587	2	630	107,477	7,498	12,923	42,010	35,038	10,832	123,087	186,094	16,568	15,543

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2024

TONS OF AGRICULTURAL MINERALS AND BULK COMPOST - FARM USE AND NON-FARM USE

COUNTY	COPPER - ALL MATERIALS	IRON - ALL MATERIALS	GYPSUM - ALL MATERIALS	LIMING MATERIALS - ALL MATERIALS	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	SECONDARY/MICRONUTRIENTS - ALL OTHER	NON-FARM USE SECONDARY/MICRONUTRIENTS	OIM BULK COMPOST - NO NUTRIENTS	
ALAMEDA	0	2	175	15	0	15	0		50	190	143
ALPINE	0	0	0	0	0	0	0		0	0	0
AMADOR	0	0	0	0	0	10	0		60	0	1
BUTTE	6	0	2,493	955	0	383	0		743	627	1,404
CALAVERAS	0	0	75	0	0	3	0		4	34	0
COLUSA	908	1	31,010	2,861	0	440	251		3,511	0	5,024
CONTRA COSTA	0	8	402	64	0	29	0		178	96	70
DEL NORTE	0	0	0	0	0	0	0		6	0	0
EL DORADO	0	0	0	42	0	2	0		54	2	0
FRESNO	725	139	301,656	5,717	5,218	7,182	7,849		27,128	4,798	32,794
GLENN	81	0	3,585	642	0	748	0		1,555	0	9,047
HUMBOLDT	0	0	6	0	0	0	0		35	290	0
IMPERIAL	0	1	1,287	87,655	0	4,179	3,411		4,818	1,083	43,297
INYO	0	0	48	386	0	48	0		0	0	0
KERN	317	342	499,221	3,870	34,006	10,996	7,666		62,914	6,203	2,788
KINGS	34	0	113,689	7,398	3,960	7,196	51,391		4,274	3	15,976
LAKE	0	0	250	0	0	6	0		88	0	25,970
LASSEN	0	0	751	98	0	57	0		155	0	0
LOS ANGELES	1	1	641	113	962	233	0		788	2,029	19
MADERA	1	6	4,400	504	15,517	1,108	38		5,878	0	221
MARIN	0	0	6	0	0	0	0		4	23	0
MARIPOSA	0	0	0	0	0	0	0		0	0	0
MENDOCINO	0	0	470	1,227	0	0	0		217	34	0
MERCED	250	6	24,587	4,034	1,312	3,043	1,111		7,246	34	68,371
MODOC	2	0	402	145	0	590	0		1,890	0	862
MONO	0	0	196	0	0	1	0		70	0	0
MONTEREY	15	40	4,463	15,530	0	224	357		3,183	13	58,194
NAPA	2	3	7,358	144	0	21	0		8,074	757	51,576
NEVADA	0	0	2	0	0	4	0		15	100	23
ORANGE	0	8	289	22	0	153	0		334	789	0
PLACER	0	0	193	15	20	23	0		117	139	28,742
PLUMAS	0	0	95	0	0	0	0		6	0	0
RIVERSIDE	1	7	1,559	137	0	467	0		13,951	1,509	16,650
SACRAMENTO	1	2	672	413	61,097	195	15		478	1,037	12,000
SAN BENITO	0	2	3,277	112	0	119	8		64	1	1,196
SAN BERNARDINO	0	5	170	8	84,701	119	0		299	869	23,826
SAN DIEGO	3	44	1,566	57	0	42	0		1,109	1,986	20,478
SAN FRANCISCO	0	8	1	4	0	0	0		3	2	0
SAN JOAQUIN	1	6	30,356	6,597	1,183	23,271	297		4,188	117	2,626
SAN LUIS OBISPO	8	5	247	17	11,149	47	0		590	11	13,277
SAN MATEO	0	6	71	474	0	0	0		217	74	1,361
SANTA BARBARA	0	2	52,488	15,974	0	830	1,900		2,413	72	5,919
SANTA CLARA	0	0	1,648	78	0	3	7		471	140	45,425
SANTA CRUZ	0	0	5,212	115	0	9	22		324	58	147
SHASTA	1	1	1,314	6,966	0	188	0		503	70	0
SIERRA	0	0	0	0	0	0	0		0	0	0
SISKIYOU	1	0	4,955	1,673	0	2,224	420		3,289	0	2,389
SOLANO	11	67	14,970	726	62,191	392	12		450	258	0
SONOMA	2	31	5,577	2,018	0	70	0		5,674	179	19,552
STANISLAUS	128	21	53,201	16,032	366	1,424	624		5,812	384	1,226
SUTTER	0	0	4,633	683	5,564	59	25		497	0	5
TEHAMA	0	4	175	527	0	31	0		217	23	0
TRINITY	0	0	0	0	0	0	0		0	1	83
TULARE	62	41	86,189	2,048	39	9,220	5,045		81,500	1,171	105,531
TUOLUMNE	0	0	226	93	0	0	0		0	22	3,056
VENTURA	0	29	733	30	0	1,024	1,178		4,043	95	22,780
YOLO	40	0	16,009	1,671	0	668	31		2,032	88	78,370
YUBA	1	0	2,474	1,108	0	199	0		33	1	0
** UNKNOWN **	144	28	1,021	212	0	360	0		5,871	1,465	385
TOTAL	2,746	866	1,286,494	189,210	287,285	77,655	81,658		267,423	26,877	720,804

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2024
TONS OF MATERIALS BY USE

COUNTY	FARM USE DRY PACKAGED	FARM USE DRY BULK	FARM USE LIQUID	FARM USE TOTAL	AG MIN DRY PACKAGED	AG MIN DRY BULK	AG MIN LIQUID	AG MIN TOTAL	NON-FARM USE DRY	NONFARM USE LIQUID	NON-FARM USE TOTAL	TOTAL ALL
ALAMEDA	340	490	1,575	2,405	52	180	25	257	1,141	50	1,191	3,596
ALPINE	468	11	288	767	0	0	0	0	0	0	0	767
AMADOR	14	118	27	159	1	65	4	70	8	0	8	167
BUTTE	2,132	30,822	39,345	72,299	225	4,579	400	5,204	1,171	964	2,135	74,434
CALAVERAS	80	56	101	237	75	0	7	82	67	0	67	304
COLUSA	16,016	60,256	74,327	150,599	4,683	31,246	3,053	38,982	17	0	17	150,616
CONTRA COSTA	531	1,301	7,878	9,710	118	416	147	681	878	420	1,298	11,008
DEL NORTE	9	125	6	140	6	0	0	6	49	9	58	198
EL DORADO	15	176	256	447	3	88	7	98	76	1	77	524
FRESNO	18,865	397,355	218,567	638,787	3,639	327,847	26,599	358,085	3,688	1,701	5,389	644,176
GLENN	2,940	27,877	36,126	66,943	1,240	4,375	996	6,611	16	0	16	66,959
HUMBOLDT	682	45	33	760	16	0	25	41	1,295	227	1,522	2,282
IMPERIAL	7,132	202,182	103,719	313,033	1,605	91,124	8,622	101,351	1,125	0	1,125	314,158
INYO	9	791	138	938	0	482	0	482	0	0	0	938
KERN	18,301	535,167	296,887	850,355	7,600	487,061	124,671	619,332	6,523	8	6,531	856,886
KINGS	5,305	157,249	114,938	277,492	2,670	130,360	54,912	187,942	11	5	16	277,508
LAKE	290	26,506	1,095	27,891	135	157	52	344	6	0	6	27,897
LASSEN	48	2,629	475	3,152	46	988	27	1,061	2	0	2	3,154
LOS ANGELES	4,105	4,000	2,994	11,099	627	1,921	309	2,857	6,320	1,646	7,966	19,065
MADERA	4,155	33,546	59,609	97,310	1,005	22,419	4,028	27,452	10	1	11	97,321
MARIN	12	4	2	18	8	1	1	10	429	13	442	460
MARIPOSA	0	1	0	1	0	0	0	0	0	0	0	1
MENDOCINO	1,541	2,064	1,613	5,218	538	1,316	60	1,914	424	90	514	5,732
MERCED	3,149	121,313	78,272	202,734	1,043	33,384	7,162	41,589	135	5	140	202,874
MODOC	205	11,147	1,116	12,468	174	2,715	140	3,029	73	0	73	12,541
MONO	5	407	144	556	0	198	69	267	16	0	16	572
MONTEREY	24,634	109,479	94,171	228,284	3,538	17,967	2,310	23,815	584	1	585	228,869
NAPA	2,555	67,536	2,268	72,359	936	14,240	426	15,602	905	0	905	73,264
NEVADA	49	211	382	642	3	48	12	63	129	40	169	811
ORANGE	1,911	1,908	2,863	6,682	356	307	143	806	4,151	576	4,727	11,409
PLACER	213	15,674	2,370	18,257	99	225	52	376	16,056	45	16,101	34,358
PLUMAS	36	169	0	205	1	100	0	101	18	0	18	223
RIVERSIDE	6,480	31,103	40,263	77,846	1,454	3,157	11,511	16,122	9,217	349	9,566	87,412
SACRAMENTO	1,778	25,437	75,351	102,566	554	4,388	57,932	62,874	3,597	434	4,031	106,597
SAN BENITO	4,233	2,861	4,417	11,511	3,234	273	75	3,582	3	0	3	11,514
SAN BERNARDINO	1,496	109,234	712	111,442	334	84,806	21	85,161	7,858	224	8,082	119,524
SAN DIEGO	11,263	23,981	3,258	38,502	1,729	710	382	2,821	5,684	169	5,853	44,355
SAN FRANCISCO	294	425	1,135	1,854	14	2	0	16	121	6	127	1,981
SAN JOAQUIN	3,974	93,462	76,030	173,466	1,112	60,873	3,914	65,899	3,586	74	3,660	177,126
SAN LUIS OBISPO	3,069	26,055	10,043	39,167	263	11,341	459	12,063	265	16	281	39,448
SAN MATEO	1,149	1,853	176	3,178	585	183	0	768	878	14	892	4,070
SANTA BARBARA	6,531	81,074	39,370	126,975	724	69,437	3,446	73,607	849	8	857	127,832
SANTA CLARA	1,434	48,753	4,620	54,807	255	1,659	293	2,207	1,789	268	2,057	56,864
SANTA CRUZ	3,183	7,333	4,233	14,749	353	5,275	54	5,580	679	2	681	15,430
SHASTA	583	14,727	489	15,799	278	8,661	34	8,973	119	175	294	16,093
SIERRA	0	105	25	130	0	0	0	0	2	0	2	132
SISKIYOU	1,470	21,732	3,152	26,354	1,451	10,079	1,032	12,562	249	46	295	26,649
SOLANO	1,486	32,965	91,296	125,747	789	17,347	60,683	78,819	850	130	980	126,727
SONOMA	3,725	32,234	6,560	42,519	889	11,670	813	13,372	523	300	823	43,342
STANISLAUS	5,636	109,364	92,600	207,600	2,062	70,801	4,745	77,608	616	347	963	208,563
SUTTER	2,574	25,870	65,039	93,483	199	5,294	5,968	11,461	64	0	64	93,547
TEHAMA	263	10,896	3,559	14,718	43	758	153	954	253	5	258	14,976
TRINITY	4	87	208	299	0	0	0	0	23	45	68	367
TULARE	17,344	234,065	178,809	430,218	3,608	98,422	82,105	184,135	1,564	54	1,618	431,836
TUOLUMNE	120	3,459	113	3,692	0	319	0	319	25	0	25	3,717
VENTURA	8,904	26,258	27,530	62,692	1,212	609	5,216	7,037	1,237	21	1,258	63,950
YOLO	4,222	112,321	83,085	199,628	1,063	18,473	915	20,451	163	241	404	200,032
YUBA	694	6,959	9,349	17,002	61	3,736	18	3,815	149	0	149	17,151
** UNKNOWN **	6,910	17,862	12,847	37,619	643	4,951	2,042	7,636	7,021	863	7,884	45,503
TOTAL	214,566	2,911,090	1,975,854	5,105,510	53,351	1,667,033	476,070	2,196,352	92,707	9,593	102,300	5,207,810

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2024
TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NON-FARM

COUNTY	ALL NITROGEN	ALL P2O5	ALL K2O	ALL TOTAL	DRY NITROGEN	DRY P2O5	DRY K2O	DRY TOTAL	LIQUID NITROGEN	LIQUID P2O5	LIQUID K2O	LIQUID TOTAL
ALAMEDA	1,271	312	627	2,211	651	224	333	1,208	620	88	294	1,002
ALPINE	5	737	4	745	1	470	4	474	4	267	0	271
AMADOR	20	21	28	69	17	17	17	51	3	4	11	18
BUTTE	15,270	2,943	6,763	24,977	6,366	1,449	5,321	13,136	8,905	1,494	1,442	11,841
CALAVERAS	62	24	31	117	37	8	23	68	25	16	8	49
COLUSA	28,304	3,989	9,165	41,459	8,912	2,283	5,087	16,283	19,392	1,706	4,078	25,176
CONTRA COSTA	3,946	1,108	1,206	6,260	894	262	482	1,638	3,052	847	724	4,623
DEL NORTE	30	47	91	168	22	41	90	153	8	6	1	15
EL DORADO	135	16	62	214	67	4	52	123	69	12	10	91
FRESNO	67,108	18,182	40,910	126,200	14,925	6,199	13,917	35,042	52,183	11,983	26,993	91,159
GLENN	10,802	1,839	5,447	18,088	2,344	1,611	4,079	8,033	8,459	228	1,368	10,055
HUMBOLDT	520	1,010	407	1,938	472	919	322	1,713	49	91	85	225
IMPERIAL	55,012	29,067	4,233	88,312	27,826	13,359	2,587	43,772	27,186	15,708	1,646	44,541
INYO	64	49	128	242	17	49	128	195	47	0	0	47
KERN	61,222	16,683	44,700	122,605	16,231	4,431	19,405	40,067	44,991	12,252	25,295	82,537
KINGS	21,842	4,518	8,182	34,543	4,220	745	2,468	7,433	17,622	3,773	5,714	27,109
LAKE	381	106	255	742	192	59	85	336	189	47	170	406
LASSEN	660	171	245	1,075	390	167	230	787	270	3	15	288
LOS ANGELES	5,717	3,005	2,565	11,287	4,773	2,543	1,495	8,811	945	462	1,070	2,477
MADERA	17,487	3,404	14,116	35,006	3,825	1,518	5,003	10,346	13,661	1,887	9,113	24,661
MARIN	215	95	114	424	208	94	108	410	7	1	6	14
MARIPOSA	0	0	1	1	0	0	1	1	0	0	0	0
MENDOCINO	1,089	533	914	2,536	779	404	665	1,848	310	129	248	687
MERCED	24,390	4,297	16,802	45,490	4,636	1,447	7,746	13,829	19,754	2,851	9,056	31,661
MODOC	2,068	1,220	615	3,904	1,874	1,007	612	3,492	195	214	3	411
MONO	65	47	50	162	44	39	50	133	21	8	0	29
MONTEREY	50,571	16,506	15,227	82,304	22,696	12,895	10,454	46,044	27,876	3,611	4,773	36,260
NAPA	2,396	578	1,540	4,514	1,800	441	869	3,110	596	137	671	1,405
NEVADA	335	22	39	396	125	16	31	172	210	6	8	224
ORANGE	4,265	1,327	1,968	7,560	3,427	770	1,245	5,443	837	557	723	2,118
PLACER	1,937	508	686	3,132	1,166	459	606	2,232	771	49	80	900
PLUMAS	76	6	18	100	76	6	18	100	0	0	0	0
RIVERSIDE	15,908	7,355	5,821	29,084	9,424	4,716	4,690	18,830	6,484	2,639	1,131	10,254
SACRAMENTO	13,958	3,684	7,895	25,536	5,399	1,157	3,816	10,372	8,558	2,527	4,079	15,165
SAN BENITO	2,140	419	635	3,194	1,190	366	562	2,119	950	53	73	1,076
SAN BERNARDINO	10,371	3,199	3,006	16,576	10,079	3,097	2,933	16,108	292	103	73	468
SAN DIEGO	7,153	1,444	3,869	12,466	6,147	1,378	3,716	11,241	1,006	66	153	1,225
SAN FRANCISCO	750	185	131	1,066	228	164	100	492	522	21	31	574
SAN JOAQUIN	28,678	6,695	21,848	57,220	9,431	2,647	11,249	23,327	19,246	4,048	10,599	33,893
SAN LUIS OBISPO	4,143	886	2,247	7,276	1,943	611	1,200	3,753	2,200	276	1,047	3,523
SAN MATEO	1,002	232	344	1,579	887	223	337	1,447	116	9	7	132
SANTA BARBARA	14,965	2,862	4,826	22,653	3,801	1,533	2,583	7,917	11,164	1,329	2,243	14,736
SANTA CLARA	3,257	852	1,680	5,789	2,089	684	1,176	3,948	1,169	168	504	1,840
SANTA CRUZ	4,826	500	770	6,096	3,575	367	679	4,621	1,250	133	91	1,475
SHASTA	2,333	700	948	3,981	2,155	658	871	3,684	178	42	77	297
SIERRA	19	1	33	53	12	1	33	46	7	0	0	7
SISKIYOU	2,088	1,518	2,051	5,657	1,596	1,371	2,037	5,004	492	147	14	652
SOLANO	20,962	4,295	9,083	34,339	5,502	989	2,477	8,968	15,460	3,306	6,606	25,371
SONOMA	4,819	1,251	2,040	8,110	1,096	979	1,071	3,147	3,724	272	968	4,963
STANISLAUS	30,519	9,141	20,189	59,849	4,914	4,965	13,749	23,629	25,605	4,175	6,440	36,220
SUTTER	22,656	2,759	5,089	30,504	7,468	1,226	2,077	10,770	15,188	1,533	3,013	19,734
TEHAMA	2,339	742	3,417	6,498	1,252	707	3,305	5,264	1,087	35	112	1,234
TRINITY	49	83	33	165	15	8	7	29	34	76	26	136
TULARE	49,707	14,463	21,436	85,607	11,652	9,069	11,028	31,749	38,055	5,395	10,408	53,857
TUOLUMNE	38	1	79	118	2	1	79	82	36	0	0	36
VENTURA	9,148	3,208	4,312	16,668	3,974	1,262	2,387	7,623	5,174	1,946	1,925	9,045
YOLO	28,857	3,684	11,704	44,246	4,369	1,127	3,658	9,154	24,488	2,558	8,046	35,092
YUBA	3,748	382	1,504	5,635	730	251	1,020	2,002	3,018	131	484	3,633
** UNKNOWN **	12,898	6,098	8,174	27,170	8,993	5,466	6,298	20,757	3,905	632	1,876	6,413
TOTAL	674,597	189,014	320,304	1,183,915	236,935	98,957	166,673	502,565	437,662	90,057	153,631	681,351