

FERTILIZING MATERIALS TONNAGE REPORT

JANUARY – JUNE 2023



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

SACRAMENTO, CALIFORNIA 95814

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 Amadou Ba

Amadou Ba, Ph.D,
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 2021	JAN-JUNE 2022	JULY-DEC 2022	JAN-JUNE 2023	JULY-JUNE 2021-2022	JULY-JUNE 2022-2023
2	ANHYDROUS AMMONIA	3,319	5,441	5,746	2,865	8,760	8,611
6	AQUA AMMONIA	10,260	69,670	18,350	129,441	79,930	147,791
10	AMMONIUM NITRATE	1,771	145	207	208	1,916	415
12	AMMONIUM NITRATE SOLUTION	16,637	18,250	18,218	29,375	34,887	47,593
20	AMMONIUM POLYSULFIDE	1,679	555	787	125	2,234	912
24	AMMONIUM SULFATE	31,863	38,268	28,574	52,908	70,131	81,482
31	AMMONIUM THIOSULFATE	4,040	3,466	1,849	4,625	7,506	6,474
35	CALCIUM AMMONIUM NITRATE SOLUTION	69,385	169,132	75,707	178,435	238,517	254,142
43	CALCIUM NITRATE	15,483	33,776	9,225	12,732	49,259	21,957
58	NITROGEN SOLUTION 28%	1,199	3,071	1,652	6,193	4,270	7,845
60	NITROGEN SOLUTION 32%	218,369	397,972	179,755	398,263	616,341	578,018
62	SODIUM NITRATE	465	1,066	155	90	1,531	245
64	SULFUR COATED UREA	712	294	128	63	1,006	191
66	UREA	42,903	56,497	51,793	116,922	99,400	168,715
67	UREA SOLUTION	782	2,106	3,248	3,653	2,888	6,901
0	NON-FARM USE NITROGEN	23,472	34,960	37,874	27,460	58,432	65,334
98	NITROGEN MATERIALS - COMPOST	5,092	3,418	6,302	6,323	8,510	12,625
203	DIAMMONIUM PHOSPHATE	67	17	39	22	84	61
207	AMMONIUM PHOSPHATE SULFATE	2,412	5,442	2,091	9,830	7,854	11,921
209	MONOAMMONIUM PHOSPHATE	27,985	17,264	27,363	24,007	45,249	51,370
248	PHOSPHORIC ACID	4,029	7,355	4,152	6,915	11,384	11,067
249	LIQUID AMMONIUM POLYPHOSPHATE	13,346	25,564	18,365	34,825	38,910	53,190
263	NORMAL SUPERPHOSPHATE	2	1	0	54	3	54
267	TRIPLE SUPERPHOSPHATE	179	196	237	102	375	339
0	NON-FARM USE PHOSPHORUS	8,788	10,538	8,206	8,218	19,326	16,424
298	PHOSPHORUS MATERIALS - COMPOST	3,066	2,256	2,689	1,574	5,322	4,263
428	MURIATE OF POTASH	14,932	20,795	13,765	25,059	35,727	38,824
443	SULFATE OF POTASH MAGNESIA	17,202	21,937	15,573	53,144	39,139	68,717
453	POTASSIUM NITRATE	3,201	4,727	2,972	47,669	7,928	50,641
463	POTASSIUM SULFATE	93,645	140,483	50,557	43,093	234,128	93,650
0	NON-FARM USE POTASH	5,289	10,743	6,372	9,656	16,032	16,028
498	POTASSIUM MATERIALS - COMPOST	3,117	2,904	3,427	11,020	6,021	14,447
601	BLOOD MEAL	3	8	3	79	11	82
667	SEWAGE SLUDGE	126,202	173,954	212,737	191,034	300,156	403,771
723	COPPER - ALL MATERIALS	321	855	195	1,482	1,176	1,677
731	IRON - ALL MATERIALS	392	734	556	417	1,126	973
732	GYPSUM - ALL MATERIALS	785,471	515,820	661,155	353,125	1,301,291	1,014,280
770	SULFUR	48,093	50,003	78,206	33,378	98,096	111,584
774	SULFURIC ACID	48,443	82,497	47,569	36,741	130,940	84,310
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	15,651	161,017	281,827	239,910	176,668	521,737
907	LIMING MATERIALS - ALL MATERIALS	96,168	98,416	163,881	113,575	194,584	277,456
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	129,836	12,931	10,492	101,937	142,767	112,429
613	OIM BULK COMPOST - NO NUTRIENTS	241,758	218,815	439,309	181,742	460,573	621,051
0	TOTAL	2,137,029	2,423,359	2,463,391	2,498,289	4,560,388	4,961,680

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 2021 N	JUL-DEC 2021 P2O5	JUL-DEC 2021 K2O	JUL-DEC 2022 N	JUL-DEC 2022 P2O5	JUL-DEC 2022 K2O
0	NON-FARM USE NITROGEN	23,217	0	0	37,874	0	0
0	NON-FARM USE PHOSPHORUS	0	8,778	0	0	8,206	0
0	NON-FARM USE POTASH	0	0	5,151	0	0	6,372
2	ANHYDROUS AMMONIA	2,722	0	0	4,712	0	0
6	AQUA AMMONIA	2,052	0	0	3,670	0	0
10	AMMONIUM NITRATE	602	0	0	70	0	0
12	AMMONIUM NITRATE SOLUTION	3,327	0	0	3,644	0	0
20	AMMONIUM POLYSULFIDE	336	0	0	157	0	0
24	AMMONIUM SULFATE	6,691	0	0	6,001	0	0
31	AMMONIUM THIOSULFATE	485	0	0	222	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	11,795	0	0	12,870	0	0
43	CALCIUM NITRATE	2,322	0	0	1,384	0	0
58	NITROGEN SOLUTION 28%	336	0	0	463	0	0
60	NITROGEN SOLUTION 32%	69,878	0	0	57,522	0	0
62	SODIUM NITRATE	74	0	0	25	0	0
64	SULFUR COATED UREA	256	0	0	46	0	0
66	UREA	19,735	0	0	23,825	0	0
67	UREA SOLUTION	156	0	0	650	0	0
97	NITROGEN MATERIALS - ALL OTHER	106,558	0	0	79,377	0	0
98	NITROGEN MATERIALS - COMPOST	5,092	0	0	6,302	0	0
203	DIAMMONIUM PHOSPHATE	12	31	0	7	18	0
207	AMMONIUM PHOSPHATE SULFATE	386	482	0	335	418	0
209	MONOAMMONIUM PHOSPHATE	3,078	14,552	0	3,010	14,229	0
248	PHOSPHORIC ACID	0	2,176	0	0	2,242	0
249	LIQUID AMMONIUM POLYPHOSPHATE	1,335	4,538	0	1,837	6,244	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	82	0	0	109	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	46,913	0	0	42,506	0
298	PHOSPHORUS MATERIALS - COMPOST	0	3,066	0	0	2,689	0
428	MURIATE OF POTASH	0	0	8,959	0	0	8,259
443	SULFATE OF POTASH MAGNESIA	0	0	3,784	0	0	3,426
453	POTASSIUM NITRATE	448	0	1,408	416	0	1,308
463	POTASSIUM SULFATE	0	0	46,823	0	0	25,279
497	POTASSIUM MATERIALS - ALL OTHER	0	0	89,055	0	0	70,149
498	POTASSIUM MATERIALS - COMPOST	0	0	3,117	0	0	3,427
601	BLOOD MEAL	0	0	0	0	0	0
667	SEWAGE SLUDGE	7,572	2,524	1,262	12,764	4,255	2,127
0	TOTAL	268,468	83,143	159,560	257,181	80,916	120,347

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CODE	MATERIAL NAME	JAN-JUNE 2022 N	JAN-JUNE 2022 P2O5	JAN-JUNE 2022 K2O	JAN-JUNE 2023 N	JAN-JUNE 2023 P2O5	JAN-JUNE 2023 K2O
0	NON-FARM USE NITROGEN	34,960	0	0	27,460	0	0
0	NON-FARM USE PHOSPHORUS	0	10,538	0	0	8,218	0
0	NON-FARM USE POTASH	0	0	10,743	0	0	9,656
2	ANHYDROUS AMMONIA	4,462	0	0	2,349	0	0
6	AQUA AMMONIA	13,934	0	0	25,888	0	0
10	AMMONIUM NITRATE	49	0	0	71	0	0
12	AMMONIUM NITRATE SOLUTION	3,650	0	0	5,875	0	0
20	AMMONIUM POLYSULFIDE	111	0	0	25	0	0
24	AMMONIUM SULFATE	8,036	0	0	11,111	0	0
31	AMMONIUM THIOSULFATE	416	0	0	555	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	28,752	0	0	30,334	0	0
43	CALCIUM NITRATE	5,066	0	0	1,910	0	0
58	NITROGEN SOLUTION 28%	860	0	0	1,734	0	0
60	NITROGEN SOLUTION 32%	127,351	0	0	127,444	0	0
62	SODIUM NITRATE	171	0	0	14	0	0
64	SULFUR COATED UREA	106	0	0	23	0	0
66	UREA	25,989	0	0	53,784	0	0
67	UREA SOLUTION	421	0	0	731	0	0
97	NITROGEN MATERIALS - ALL OTHER	167,201	0	0	122,449	0	0
98	NITROGEN MATERIALS - COMPOST	3,418	0	0	6,323	0	0
203	DIAMMONIUM PHOSPHATE	3	8	0	4	10	0
207	AMMONIUM PHOSPHATE SULFATE	871	1,088	0	1,573	1,966	0
209	MONOAMMONIUM PHOSPHATE	1,899	8,977	0	2,641	12,484	0
248	PHOSPHORIC ACID	0	3,972	0	0	3,734	0
249	LIQUID AMMONIUM POLYPHOSPHATE	2,556	8,692	0	3,483	11,841	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	12	0
267	TRIPLE SUPERPHOSPHATE	0	90	0	0	47	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	58,367	0	0	59,842	0
298	PHOSPHORUS MATERIALS - COMPOST	0	2,256	0	0	1,574	0
428	MURIATE OF POTASH	0	0	12,477	0	0	15,035
443	SULFATE OF POTASH MAGNESIA	0	0	4,826	0	0	11,692
453	POTASSIUM NITRATE	662	0	2,080	6,674	0	20,974
463	POTASSIUM SULFATE	0	0	70,242	0	0	21,547
497	POTASSIUM MATERIALS - ALL OTHER	0	0	118,433	0	0	211,921
498	POTASSIUM MATERIALS - COMPOST	0	0	2,904	0	0	11,020
601	BLOOD MEAL	1	0	0	9	0	0
667	SEWAGE SLUDGE	10,437	3,479	1,740	11,462	3,821	1,910
0	TOTAL	441,382	97,467	223,444	443,925	103,548	303,755

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 21-22 N	JULY-JUNE 21-22 P2O5	JULY-JUNE 21-22 K2O	JULY-JUNE 22-23 N	JULY-JUNE 22-23 P2O5	JULY-JUNE 22-23 K2O
0	NON-FARM USE NITROGEN	58,177	0	0	65,334	0	0
0	NON-FARM USE PHOSPHORUS	0	19,316	0	0	16,424	0
0	NON-FARM USE POTASH	0	0	15,894	0	0	16,028
2	ANHYDROUS AMMONIA	7,183	0	0	7,061	0	0
6	AQUA AMMONIA	15,986	0	0	29,558	0	0
10	AMMONIUM NITRATE	651	0	0	141	0	0
12	AMMONIUM NITRATE SOLUTION	6,977	0	0	9,519	0	0
20	AMMONIUM POLYSULFIDE	447	0	0	182	0	0
24	AMMONIUM SULFATE	14,728	0	0	17,111	0	0
31	AMMONIUM THIOSULFATE	901	0	0	777	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	40,548	0	0	43,204	0	0
43	CALCIUM NITRATE	7,389	0	0	3,294	0	0
58	NITROGEN SOLUTION 28%	1,196	0	0	2,197	0	0
60	NITROGEN SOLUTION 32%	197,229	0	0	184,966	0	0
62	SODIUM NITRATE	245	0	0	39	0	0
64	SULFUR COATED UREA	362	0	0	69	0	0
66	UREA	45,724	0	0	77,609	0	0
67	UREA SOLUTION	578	0	0	1,380	0	0
97	NITROGEN MATERIALS - ALL OTHER	273,759	0	0	201,826	0	0
98	NITROGEN MATERIALS - COMPOST	8,510	0	0	12,625	0	0
203	DIAMMONIUM PHOSPHATE	15	39	0	11	28	0
207	AMMONIUM PHOSPHATE SULFATE	1,257	1,571	0	1,907	2,384	0
209	MONOAMMONIUM PHOSPHATE	4,977	23,529	0	5,651	26,712	0
248	PHOSPHORIC ACID	0	6,147	0	0	5,976	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,891	13,229	0	5,319	18,085	0
263	NORMAL SUPERPHOSPHATE	0	1	0	0	12	0
267	TRIPLE SUPERPHOSPHATE	0	173	0	0	156	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	105,280	0	0	102,348	0
298	PHOSPHORUS MATERIALS - COMPOST	0	5,322	0	0	4,263	0
428	MURIATE OF POTASH	0	0	21,436	0	0	23,294
443	SULFATE OF POTASH MAGNESIA	0	0	8,611	0	0	15,118
453	POTASSIUM NITRATE	1,110	0	3,488	7,090	0	22,282
463	POTASSIUM SULFATE	0	0	117,064	0	0	46,825
497	POTASSIUM MATERIALS - ALL OTHER	0	0	207,488	0	0	282,070
498	POTASSIUM MATERIALS - COMPOST	0	0	6,021	0	0	14,447
601	BLOOD MEAL	1	0	0	10	0	0
667	SEWAGE SLUDGE	18,009	6,003	3,002	24,226	8,075	4,038
0	TOTAL	709,850	180,610	383,004	701,105	184,464	424,102

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2023
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 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	1	0	3	0	0	82	17	0	422	0	0	14	165	0	187	
ALPINE	0	0	0	0	0	12	0	0	0	0	0	0	0	0	2	0	0	0	
AMADOR	0	0	0	0	0	26	0	0	0	0	0	2	0	0	5	6	0	0	
BUTTE	0	32,137	0	0	0	6,798	1,172	0	1,054	108	79	7,638	0	0	3,329	778	0	215	
CALAVERAS	0	0	0	0	0	0	0	0	10	1	0	6	0	0	10	8	0	11	
COLUSA	35	25,127	0	33	0	4,210	67	0	2,615	3	38	13,584	0	0	11,798	499	2,955	7	
CONTRA COSTA	0	0	4	31	0	4	0	0	461	12	0	1,614	0	0	146	250	0	213	
DEL NORTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	7	
EL DORADO	0	18	0	0	0	5	2	0	56	4	0	2	0	0	5	33	0	144	
FRESNO	88	11	0	257	99	557	53	0	19,686	1,747	207	51,795	36	0	2,973	5,973	721	1,019	
GLENN	0	18,317	0	0	0	3,743	65	0	1,751	18	64	8,803	0	0	1,405	1,453	0	119	
HUMBOLDT	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	33	0	196	
IMPERIAL	619	0	0	3,616	0	1,751	32	0	3,286	2	0	23,624	0	0	21,150	7,544	332	238	
INYO	0	0	0	0	0	5	0	0	244	191	0	51	0	0	27	44	0	0	
KERN	86	0	0	60	5	628	237	0	10,822	180	43	43,667	0	0	2,661	6,620	397	533	
KINGS	519	11	0	79	0	13	69	0	4,082	8	60	18,665	0	0	1,770	941	3	33	
LAKE	0	0	0	25	0	16	0	0	206	61	0	32	0	0	23	81	0	1	
LASSSEN	0	0	0	0	0	312	0	0	2	0	0	97	0	0	353	297	0	2	
LOS ANGELES	0	0	0	111	0	28	0	0	164	154	4	128	0	0	149	124	83	1,251	
MADERA	0	8	0	1	0	205	36	0	10,651	20	17	17,391	0	0	833	1,648	77	11	
MARIN	0	0	0	0	0	28	0	0	0	0	0	0	0	0	8	0	0	26	
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MENDOCINO	0	443	0	15	0	63	0	0	131	1,000	63	8	0	0	8	335	0	88	
MERCED	0	23	3	26	0	1,119	43	0	9,515	81	1	16,159	0	0	1,107	2,775	1,127	14	
MODOC	0	0	0	0	0	1,436	43	0	16	0	5	0	0	45	1,210	22	0	82	
MONO	0	0	0	0	0	2	0	0	0	0	0	0	0	0	10	1	0	1	
MONTEREY	0	0	0	12,406	0	1,150	915	0	10,671	231	43	5,317	0	0	457	8,544	0	175	
NAPA	0	0	0	0	0	1	8	0	295	82	0	77	0	0	5	153	56	48	
NEVADA	0	53	0	0	0	31	0	0	3	0	0	0	0	0	8	26	0	115	
ORANGE	0	0	2	25	0	18	0	0	625	60	4	232	0	18	46	462	0	785	
PLACER	0	1,580	0	28	0	187	0	0	113	0	0	213	0	0	200	77	0	3,577	
PLUMAS	0	0	0	0	0	2	0	0	0	0	0	8	0	0	7	2	0	3	
RIVERSIDE	11	0	0	3,549	0	325	21	0	4,573	121	16	8,541	0	0	697	1,305	228	2,320	
SACRAMENTO	282	1,558	0	0	0	278	174	0	658	299	747	2,858	0	0	680	2,353	655	919	
SAN BENITO	0	0	0	153	0	2	0	0	1,149	5	0	12	0	0	12	397	776	25	
SAN BERNARDINO	0	0	0	0	0	45	0	0	182	11	55	72	0	0	39	164	8	1,336	
SAN DIEGO	0	1	59	56	0	43	25	0	381	536	26	98	0	0	97	889	0	1,101	
SAN FRANCISCO	0	286	0	0	0	75	0	0	0	9	0	232	0	0	0	108	0	53	
SAN JOAQUIN	0	0	0	5	0	2,536	198	0	11,968	191	2,270	17,166	0	0	38,621	5,896	116	1,169	
SAN LUIS OBISPO	0	0	0	932	20	94	4	0	1,619	152	0	905	0	0	38	244	0	48	
SAN MATEO	0	0	1	0	0	2	0	0	0	13	0	0	0	0	109	257	0	173	
SANTA BARBARA	0	0	69	3,487	0	37	24	0	2,938	315	11	2,991	0	0	314	3,659	7	198	
SANTA CLARA	0	0	0	89	0	29	0	0	809	15	0	209	0	0	15	547	48	373	
SANTA CRUZ	0	0	0	534	0	42	0	5	474	70	0	74	0	0	34	1,663	0	183	
SHASTA	0	0	2	27	0	558	0	0	182	10	0	9	0	0	1,401	117	0	64	
SIERRA	0	0	0	0	0	0	0	0	0	0	0	6	0	0	23	0	0	0	
SISKIYOU	0	0	0	0	0	658	88	0	265	0	38	0	0	0	1,522	47	0	260	
SOLANO	487	422	0	1,477	0	2,376	356	0	1,040	14	178	5,562	0	0	1,078	9,084	40	248	
SONOMA	0	47	1	112	0	9	48	4	403	368	0	23	0	0	36	1,790	0	188	
STANISLAUS	196	0	0	0	0	10,360	154	0	20,530	2,609	0	27,500	38	0	8,182	3,284	23	371	
SUTTER	19	34,328	20	30	0	4,806	14	0	2,731	326	410	7,224	16	0	1,627	4,077	73	27	
TEHAMA	0	148	0	0	0	1,623	2	0	473	56	0	3,113	0	0	437	238	0	194	
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
TULARE	337	0	0	27	1	482	161	0	10,885	399	26	17,228	0	0	2,578	7,986	41	434	
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	
VENTURA	0	0	0	1,301	0	53	0	0	4,060	190	0	640	0	0	135	2,324	1,438	236	
YOLO	186	10,087	47	54	0	1,452	125	0	5,021	25	842	14,355	0	0	1,919	5,279	0	226	
YUBA	0	4,836	0	868	0	826	0	0	723	6	37	922	0	0	365	284	67	30	
** UNKNOWN **	0	0	0	0	0	3,883	410	70	30,830	3,009	972	78,899	0	0	7,242	29,107	0	8,173	
TOTAL	2,865	129,441	208	29,375	125	52,908	4,625	79	178,435	12,732	6,193	398,263	90	63	116,922	3,653	122,449	6,323	27,460

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2023
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	4	25	0	3	0	42	0	25	2	3	5	3	95	0	49	186
ALPINE	0	0	3	0	0	0	0	0	0	6	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0	11	0	0	0	0	0	0	18	0	0	1
BUTTE	0	578	2,229	0	2,804	0	1,110	0	32	4,011	103	171	2,442	1,421	0	110	603
CALAVERAS	0	0	0	0	0	0	5	0	8	0	0	0	0	4	0	8	5
COLUSA	0	1,806	2,188	26	1,284	0	1,717	0	5	118	349	41	619	1,556	0	5	1
CONTRA COSTA	0	0	0	0	1	0	112	0	49	23	1	4	18	134	0	111	243
DEL NORTE	0	0	1	0	0	0	0	0	7	1	0	0	0	1	0	0	1
EL DORADO	0	2	0	0	0	0	8	0	1	0	0	0	9	14	0	13	10
FRESNO	0	0	288	425	1,922	0	5,628	401	168	221	1,850	244	3,649	11,404	288	1,110	993
GLENN	0	667	1,153	0	109	0	1,151	0	42	120	86	51	2,388	2,350	0	44	1
HUMBOLDT	0	0	0	0	0	0	41	0	241	0	0	0	0	22	0	101	155
HUMBOLDT	0	0	1,974	2,351	1,265	0	4,529	463	1	372	267	32	667	14,419	5,906	2	3
INYO	0	0	0	0	0	0	5	0	0	45	0	1	1	9	0	0	0
KERN	0	0	348	494	2,742	0	3,782	254	8	589	5,326	299	5,477	17,677	587	22	64
KINGS	0	0	102	527	1,547	0	1,562	2	1	146	231	35	232	1,599	241	4	8
LAKE	0	0	37	0	29	0	48	0	0	0	0	1	0	33	0	0	1
LASSEN	0	268	19	0	0	0	27	0	0	217	0	0	23	0	0	2	7
LOS ANGELES	0	0	0	0	147	1	196	40	339	8	39,600	43,911	9	194	77	488	303
MADERA	0	0	27	261	1,184	0	1,276	43	39	436	347	50	500	4,134	641	2	0
MARIN	0	0	1	0	0	0	0	0	10	0	1	0	0	0	0	15	97
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	4	0	160	0	114	0	86	0	43	5	94	186	0	79	274
MERCED	6	346	27	1,234	0	1,490	0	122	12	502	692	124	796	2,940	122	13	19
MODOC	0	1,568	1,458	0	363	0	74	0	14	1,147	0	0	631	0	0	5	0
MONO	0	0	172	0	0	0	0	0	0	0	0	0	0	1	0	0	1
MONTEREY	0	0	204	368	97	1	2,873	35	53	10	111	164	1,348	3,718	0	106	98
NAPA	0	4	26	0	34	1	172	0	18	0	4	13	103	244	0	18	30
NEVADA	0	52	0	0	0	0	20	0	15	0	0	0	1	0	0	18	8
ORANGE	0	0	12	0	1	5	305	0	225	0	2	3	11	309	0	116	220
PLACER	0	14	160	0	0	0	21	0	2,011	189	0	10	43	35	0	2,032	110
PLUMAS	0	0	0	0	0	0	7	0	1	0	0	0	0	3	0	2	3
RIVERSIDE	0	0	1,693	245	2,564	6	907	106	381	2,437	187	127	508	1,301	374	284	404
SACRAMENTO	0	88	62	0	344	0	1,035	3	181	13	156	18	119	2,322	12	220	279
SAN BENITO	0	0	0	1	16	0	209	0	0	0	0	0	45	151	0	2	0
SAN BERNARDINO	0	0	0	5	36	3	25	3	413	0	2	0	1	401	7	362	313
SAN DIEGO	0	3	74	15	1	18	386	0	201	27	137	173	592	293	2	208	224
SAN FRANCISCO	0	0	0	0	0	0	7	0	23	0	89	0	0	20	0	26	13
SAN JOAQUIN	0	6	110	47	1,639	6	2,205	0	329	666	783	50	1,929	3,977	45	363	371
SAN LUIS OBISPO	0	1	18	0	94	7	171	0	11	18	126	187	196	727	0	12	14
SAN MATEO	0	0	43	0	0	0	61	0	32	0	0	4	4	62	0	39	85
SANTA BARBARA	0	0	74	156	390	33	2,475	4	27	122	61	44	414	2,696	3	51	46
SANTA CLARA	0	0	26	1	54	2	361	18	95	0	0	0	80	426	37	179	214
SANTA CRUZ	4	0	1	2	3	1	279	0	19	0	4	45	163	171	0	35	40
SHASTA	0	461	354	0	1	0	187	0	13	867	71	6	127	49	0	25	40
SIERRA	0	0	0	0	0	0	0	0	0	24	2	0	0	0	0	0	0
SISKIYOU	0	950	2,329	0	14	0	75	0	40	2,090	54	2	874	13	0	74	41
SOLANO	0	308	576	0	3,397	0	531	16	77	18	218	63	350	2,422	18	55	52
SONOMA	0	11	25	0	142	3	155	0	97	1	19	7	185	407	1	133	46
ST ANISLAUS	0	7	1,668	11	2,275	0	2,020	10	102	3,377	409	792	4,353	4,346	34	121	102
SUTTER	0	1,598	2,057	0	2,886	0	544	0	9	791	371	238	798	87,475	12	6	6
TEHAMA	0	0	365	0	48	0	100	0	22	311	24	56	1,681	480	0	34	8
TRINITY	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	4	5
TULARE	0	0	138	993	1,086	0	3,205	25	56	621	504	399	2,192	3,891	2,573	83	82
TUOLUMNE	0	0	0	0	0	0	9	0	1	0	0	0	0	7	0	0	0
VENTURA	0	5	38	107	33	11	654	0	36	17	853	158	842	359	0	61	121
YOLO	0	1,343	463	0	4,766	0	1,572	0	12	194	56	86	585	2,734	0	47	75
YUBA	0	66	384	0	110	0	87	29	7	915	0	43	446	155	50	11	15
** UNKNOWN **	12	0	2,730	853	0	4	16,256	0	2,617	4,384	0	4	7,545	34,516	0	2,720	4,702
TOTAL	22	9,830	24,007	6,915	34,825	102	59,842	1,574	8,218	25,059	53,144	47,669	43,093	211,921	11,020	9,656	10,743

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JANUARY-JUNE 2023
 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	30	2	0	0	0	404	44	3,090
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	8	0	5	0	0
BUTTE	14	1	304	190	0	102	0	277	1	247
CALAVERAS	0	0	21	0	0	22	0	0	0	0
COLUSA	537	1	6,608	27	2,130	38	275	2,329	0	0
CONTRA COSTA	0	0	0	7	221	66	0	148	44	0
DEL NORTE	0	0	0	0	0	0	0	24	0	0
EL DORADO	0	1	17	1	0	8	0	2	6	0
FRESNO	152	85	44,375	700	247	757	2,958	25,080	89,299	35,994
GLENN	39	0	314	515	0	16	123	828	1	4,029
HUMBOLDT	0	0	8	2,528	0	0	0	32	341	0
IMPERIAL	11	70	186	59,814	0	978	2,482	25,908	0	18,144
INYO	0	4	0	0	0	0	0	192	0	0
KERN	431	48	195,556	4,978	10,234	7,529	1,348	46,735	134	0
KINGS	155	3	23,600	2,394	2,229	598	20,568	21,045	5	9,124
LAKE	0	0	125	0	0	0	0	425	0	4,371
LASSEN	0	2	182	72	0	114	0	100	0	0
LOS ANGELES	2	3	157	31	11,933	1	0	5,616	628	1
MADERA	0	5	186	228	845	496	196	2,935	5	1,093
MARIN	0	0	2	0	0	0	0	0	25	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0
MENDOCINO	1	2	522	1,529	0	0	0	439	10	0
MERCED	30	4	5,117	453	0	2,963	2,109	6,858	1	12,832
MODOC	0	11	182	34	0	971	0	438	0	1,374
MONO	0	0	0	0	0	0	2	1	0	0
MONTEREY	9	1	257	7,653	0	54	179	6,496	5	14,446
NAPA	0	1	782	31	0	1	16	4,209	3	11,538
NEVADA	0	0	0	0	0	0	0	1	23	44
ORANGE	0	13	85	5	0	14	0	675	194	0
PLACER	0	0	16	5	0	2	0	173	75	0
PLUMAS	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	0	9	6,675	394	17	184	0	11,154	455	4,774
SACRAMENTO	0	0	417	750	1,807	499	0	492	483	1,436
SAN BENITO	0	0	258	11	0	6	14	70	0	119
SAN BERNARDINO	0	4	130	0	63,660	0	0	561	2,033	390
SAN DIEGO	4	14	441	38	20	1	0	5,746	1,037	4,329
SAN FRANCISCO	0	0	1	75	0	0	0	3	0	0
SAN JOAQUIN	0	16	5,904	1,426	442	6,067	199	5,723	68	33
SAN LUIS OBISPO	2	7	105	11	1,671	33	0	488	5	1,198
SAN MATEO	0	3	27	162	0	0	0	407	39	447
SANTA BARBARA	1	5	3,494	12,226	0	118	896	4,338	35	59
SANTA CLARA	0	0	1,468	160	0	1	2	498	96	60
SANTA CRUZ	0	2	1,823	4	0	0	0	413	28	77
SHASTA	0	0	720	8,123	0	139	0	118	6	125
SIERRA	0	0	0	0	0	0	0	2	0	0
SISKIYOU	0	0	815	210	0	641	184	1,052	0	4,861
SOLANO	40	0	860	1,003	78,275	32	25	827	127	932
SONOMA	4	19	911	224	0	3	0	2,416	105	939
STANISLAUS	16	8	12,649	1,846	51	5,886	180	10,137	401	436
SUTTER	0	0	973	166	0	156	0	756	0	0
TEHAMA	0	0	863	220	0	4	0	203	36	472
TRINITY	0	0	0	0	0	0	0	0	0	24
TULARE	29	57	24,877	805	80	577	3,168	15,330	503	16,643
TUOLUMNE	0	0	0	528	0	0	0	0	0	1,094
VENTURA	1	16	256	9	0	104	609	6,509	66	7,234
YOLO	4	0	1,301	0	17,172	333	330	1,788	10	18,722
YUBA	0	0	1,308	205	0	0	0	68	0	0
** UNKNOWN **	0	2	8,217	3,782	0	3,856	878	19,436	5,560	1,011
TOTAL	1,482	417	353,125	113,575	191,034	33,378	36,741	239,910	101,937	181,742

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2023
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	133	3,457	841	4,431	71	270	95	436	275	14	289	4,720
ALPINE	0	23	0	23	0	0	0	0	0	0	0	23
AMADOR	7	42	32	81	2	0	11	13	0	0	0	81
BUTTE	2,005	20,657	46,857	69,519	206	490	192	888	213	108	321	69,840
CALAVERAS	24	9	54	87	21	0	22	43	27	0	27	114
COLUSA	13,312	16,850	52,458	82,620	2,153	4,710	2,952	9,815	20	0	20	82,640
CONTRA COSTA	91	279	2,887	3,257	7	4	210	221	365	52	417	3,674
DEL NORTE	0	5	24	29	0	0	24	24	1	13	14	43
EL DORADO	58	34	95	187	3	17	9	29	163	1	164	351
FRESNO	9,226	98,547	113,196	220,969	3,677	51,105	19,381	74,163	90,503	1,059	91,562	312,531
GLENN	1,486	17,120	30,952	49,558	279	1,266	290	1,835	204	2	206	49,764
HUMBOLDT	51	2,591	32	2,674	12	2,532	24	2,568	707	172	879	3,553
IMPERIAL	1,104	128,378	72,503	201,985	424	71,212	17,813	89,449	22	30	52	202,037
INYO	283	162	377	822	18	98	80	196	0	0	0	822
KERN	9,251	241,658	118,971	369,880	5,001	214,971	36,653	256,625	687	10	697	370,577
KINGS	517	44,208	67,458	112,183	352	29,746	38,265	68,363	42	1	43	112,226
LAKE	175	4,973	365	5,513	126	391	33	550	1	0	1	5,514
LASSEN	70	1,898	117	2,085	68	400	2	470	4	0	4	2,089
LOS ANGELES	84,649	17,332	920	102,901	442	5,162	206	5,810	2,142	535	2,677	105,578
MADERA	1,300	5,676	38,818	45,794	388	749	2,909	4,046	57	0	57	45,851
MARIN	0	40	0	40	0	2	0	2	71	5	76	116
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	1,767	2,255	1,110	5,132	392	2,022	81	2,495	253	35	288	5,420
MERCED	1,743	26,037	43,012	70,792	880	6,211	10,443	17,534	29	11	40	70,832
MODOC	305	10,164	558	11,027	236	1,272	128	1,636	102	0	102	11,129
MONO	2	185	2	189	0	1	2	3	1	0	1	190
MONTEREY	4,783	29,484	44,060	78,327	3,584	7,790	3,275	14,649	334	5	339	78,666
NAPA	607	15,606	1,643	17,856	311	3,976	753	5,040	84	3	87	17,943
NEVADA	21	158	60	239	0	0	1	1	123	48	171	410
ORANGE	608	459	1,865	2,932	156	149	487	792	1,106	214	1,320	4,252
PLACER	144	834	2,088	3,066	71	0	125	196	7,686	9	7,695	10,761
PLUMAS	3	11	15	29	0	0	0	0	6	0	6	35
RIVERSIDE	2,658	21,589	28,791	53,038	907	10,330	7,179	18,416	3,307	144	3,451	56,489
SACRAMENTO	704	8,008	11,420	20,132	277	952	929	2,158	1,524	279	1,803	21,935
SAN BENITO	281	1,264	1,861	3,406	270	4	85	359	27	0	27	3,433
SAN BERNARDINO	4,770	60,646	388	65,804	304	386	5	695	4,022	122	4,144	69,948
SAN DIEGO	6,675	6,483	1,367	14,525	4,208	1,671	365	6,244	2,495	52	2,547	17,072
SAN FRANCISCO	107	246	552	905	2	76	1	79	89	13	102	1,007
SAN JOAQUIN	1,936	54,433	53,876	110,245	854	8,262	10,219	19,335	1,869	80	1,949	112,194
SAN LUIS OBISPO	1,229	3,218	4,651	9,098	325	190	131	646	76	0	76	9,174
SAN MATEO	503	1,094	5	1,602	441	158	0	599	275	8	283	1,885
SANTA BARBARA	1,890	22,542	17,040	41,472	453	15,875	4,750	21,078	303	8	311	41,783
SANTA CLARA	652	2,717	1,586	4,955	556	1,437	136	2,129	661	82	743	5,698
SANTA CRUZ	782	3,145	1,656	5,583	111	1,946	185	2,242	564	6	570	6,153
SHASTA	671	12,700	383	13,754	586	8,505	9	9,100	104	4	108	13,862
SIERRA	4	47	6	57	2	0	0	2	0	0	0	57
SISKIYOU	1,035	14,830	917	16,782	937	1,471	494	2,902	368	6	374	17,156
SOLANO	1,562	8,876	102,132	112,570	1,010	1,052	725	2,787	464	43	507	113,077
SONOMA	1,348	5,068	1,898	8,314	400	2,644	533	3,577	461	62	523	8,837
STANISLAUS	6,169	46,518	70,889	123,576	2,428	16,368	12,115	30,911	589	217	806	124,382
SUTTER	1,825	15,595	137,548	154,968	335	1,132	584	2,051	42	6	48	155,016
TEHAMA	376	6,287	4,255	10,918	151	1,077	62	1,290	264	22	286	11,204
TRINITY	0	24	0	24	0	0	0	0	16	0	16	40
TULARE	7,155	52,901	57,315	117,371	2,241	28,502	14,100	44,843	1,051	25	1,076	118,447
TUOLUMNE	0	1,622	43	1,665	0	528	0	528	0	1	1	1,666
VENTURA	4,458	10,601	12,897	27,956	1,158	884	5,462	7,504	331	68	399	28,355
YOLO	1,736	26,835	62,376	90,947	576	1,629	1,551	3,756	245	50	295	91,242
YUBA	396	4,519	7,885	12,800	96	1,417	68	1,581	48	0	48	12,848
** UNKNOWN **	4,375	68,369	185,945	258,689	396	24,457	11,318	36,171	16,239	2,831	19,070	277,759
TOTAL	187,022	1,149,309	1,409,052	2,745,383	37,904	535,499	205,472	778,875	140,662	6,456	147,118	2,892,501

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2023
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	515	83	150	749	215	59	72	346	300	24	78	403
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	14	11	18	43	11	4	9	24	4	7	9	20
BUTTE	13,901	3,370	5,257	22,527	3,939	2,031	4,530	10,499	9,962	1,339	727	12,028
CALAVERAS	27	13	12	52	16	9	8	33	12	4	4	20
COLUSA	20,046	3,714	2,057	25,817	7,911	2,162	935	11,008	12,135	1,552	1,122	14,809
CONTRA COSTA	1,149	166	272	1,587	359	74	133	566	790	92	139	1,021
DEL NORTE	8	8	2	17	2	1	2	4	6	7	0	13
EL DORADO	195	9	32	236	180	7	27	214	15	2	5	22
FRESNO	29,876	7,246	15,276	52,398	4,479	1,355	5,211	11,045	25,397	5,891	10,065	41,353
GLENN	10,062	1,963	3,701	15,727	2,603	1,518	3,200	7,321	7,460	445	501	8,406
HUMBOLDT	232	282	123	637	180	169	114	463	51	113	9	173
IMPERIAL	27,912	7,719	20,959	56,590	15,906	2,720	6,959	25,585	12,006	4,999	14,000	31,005
INYO	144	5	39	188	79	5	39	123	65	0	0	65
KERN	25,847	5,629	22,784	54,259	4,211	1,281	7,219	12,710	21,636	4,348	15,565	41,549
KINGS	9,240	2,473	2,136	13,849	1,104	244	970	2,317	8,136	2,230	1,166	11,532
LAKE	161	77	33	272	97	56	9	163	64	21	24	109
LASSEN	603	90	144	837	559	87	144	790	44	3	0	47
LOS ANGELES	8,526	864	28,920	38,310	8,232	734	28,631	37,598	294	130	289	713
MADERA	9,736	1,932	5,395	17,064	672	709	1,294	2,675	9,064	1,224	4,102	14,389
MARIN	36	11	15	61	35	11	12	57	1	0	3	4
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	736	256	324	1,316	540	151	204	895	196	105	120	421
MERCED	11,666	2,241	3,981	17,888	2,735	645	1,644	5,024	8,931	1,596	2,337	12,864
MODOC	1,435	1,283	1,009	3,727	1,390	1,157	1,009	3,555	46	126	0	172
MONO	26	89	1	116	26	89	1	116	0	0	0	0
MONTEREY	15,492	3,300	4,601	23,393	3,198	1,418	1,898	6,513	12,295	1,882	2,703	16,880
NAPA	356	216	320	893	154	88	102	344	202	129	218	549
NEVADA	171	45	19	235	117	43	19	178	54	2	0	56
ORANGE	1,477	539	432	2,448	1,079	317	177	1,573	398	222	255	875
PLACER	4,215	2,118	2,206	8,540	3,791	2,115	2,190	8,096	425	3	16	444
PLUMAS	11	8	5	24	8	5	2	15	4	3	3	10
RIVERSIDE	8,958	3,282	3,772	16,012	3,906	1,670	2,720	8,296	5,052	1,612	1,052	7,715
SACRAMENTO	6,312	1,422	2,682	10,416	2,529	312	1,539	4,379	3,783	1,110	1,143	6,036
SAN BENITO	1,436	215	176	1,827	947	108	92	1,147	489	107	84	680
SAN BERNARDINO	5,430	1,731	1,408	8,568	5,255	1,707	1,346	8,307	175	24	62	261
SAN DIEGO	2,296	643	922	3,861	1,845	607	882	3,334	451	36	40	527
SAN FRANCISCO	310	30	66	405	164	20	44	228	145	10	22	177
SAN JOAQUIN	33,907	3,187	5,968	43,062	20,350	824	2,521	23,694	13,558	2,363	3,447	19,367
SAN LUIS OBISPO	1,252	260	975	2,486	302	129	344	774	950	131	631	1,712
SAN MATEO	488	115	105	708	480	113	102	695	8	2	3	13
SANTA BARBARA	6,302	2,777	3,063	12,142	3,525	1,826	2,153	7,504	2,777	951	910	4,638
SANTA CLARA	1,214	507	682	2,403	869	404	524	1,798	345	103	158	605
SANTA CRUZ	2,100	303	308	2,711	1,632	205	262	2,099	468	98	46	612
SHASTA	1,117	481	676	2,273	1,048	454	637	2,139	69	26	39	135
SIERRA	13	0	15	27	11	0	15	25	2	0	0	2
SISKIYOU	1,621	1,521	1,791	4,933	1,550	1,499	1,788	4,837	72	22	3	96
SOLANO	18,464	3,706	3,539	25,709	2,604	524	744	3,872	15,860	3,181	2,796	21,836
SONOMA	2,186	317	641	3,144	1,912	166	249	2,327	273	151	392	817
STANISLAUS	23,010	3,781	9,143	35,934	7,683	1,307	5,362	14,352	15,327	2,474	3,781	21,582
SUTTER	16,668	2,923	88,547	108,138	5,085	1,738	1,383	8,206	11,583	1,185	87,164	99,933
TEHAMA	2,142	329	1,571	4,041	864	237	1,385	2,486	1,277	91	186	1,555
TRINITY	7	5	4	16	7	5	4	16	0	0	0	0
TULARE	17,670	4,265	8,303	30,237	3,433	706	4,947	9,086	14,237	3,558	3,356	21,151
TUOLUMNE	9	10	7	26	0	0	0	0	9	10	7	26
VENTURA	5,285	785	1,108	7,179	3,464	352	835	4,651	1,821	433	273	2,527
YOLO	16,396	4,057	3,413	23,867	2,749	689	723	4,161	13,648	3,368	2,690	19,706
YUBA	2,362	373	1,007	3,742	569	310	925	1,804	1,793	63	82	1,939
** UNKNOWN **	73,152	20,761	43,641	137,553	25,896	6,571	11,553	44,020	47,256	14,190	32,088	93,533
TOTAL	443,925	103,548	303,755	851,228	162,506	41,749	109,842	314,097	281,419	61,799	193,913	537,131

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2022-JUNE 2023
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	1	0	59	0	0	100	34	0	459	0	0	25	311	1	536	
ALPINE	0	0	0	0	0	37	0	0	0	0	0	0	0	0	2	0	0	0	
AMADOR	0	0	0	0	0	26	0	0	0	0	0	2	0	0	15	0	0	0	
BUTTE	0	32,877	0	107	0	9,610	1,182	0	1,151	143	101	9,332	0	0	3,817	388	1,390	1	243
CALAVERAS	0	0	0	0	0	12	0	0	30	1	0	7	0	0	10	0	12	0	12
COLUSA	114	28,194	0	33	0	4,787	190	0	4,805	1,152	38	16,931	0	0	15,384	499	4,478	8	30
CONTRA COSTA	0	25	4	34	0	7	0	0	562	29	0	4,087	0	0	237	0	442	0	367
DEL NORTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	13
EL DORADO	0	18	0	0	0	471	2	0	609	8	0	6	0	0	10	0	46	0	210
FRESNO	143	12	0	282	112	1,367	101	0	25,806	3,254	312	70,401	84	0	4,575	60	10,006	3,559	1,298
GLENN	0	18,902	0	39	0	3,984	66	0	1,798	21	64	12,597	0	0	1,730	0	2,014	0	133
HUMBOLDT	0	0	0	0	0	3	0	0	0	3	0	17	0	0	0	0	43	2	253
IMPERIAL	1,099	0	53	6,263	0	2,700	163	0	7,190	449	52	38,558	24	0	46,462	0	11,642	847	251
INYO	0	0	0	0	0	37	0	0	428	469	0	51	0	0	54	0	70	0	0
KERN	146	15	0	112	5	943	240	0	12,453	414	57	55,334	0	0	8,629	52	10,153	907	905
KINGS	1,490	25	0	189	0	29	80	0	5,373	113	265	26,755	0	0	1,952	53	2,319	55	61
LAKE	0	0	0	0	0	34	23	0	1,274	90	0	114	0	0	24	0	137	6	2
LASSEN	0	0	0	0	0	312	0	0	121	0	0	121	0	0	353	0	359	0	0
LOS ANGELES	0	0	0	111	0	102	0	0	173	249	8	169	0	0	281	1	166	95	20,289
MADERA	0	23	0	9	0	274	66	0	13,208	907	66	22,908	0	0	1,050	339	2,636	506	23
MARIN	0	0	0	0	0	28	0	0	0	0	0	0	0	0	8	0	1	0	306
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MENDOCINO	0	1,074	0	0	0	53	75	0	2,885	1,024	0	121	0	0	41	0	419	111	110
MERCED	0	23	3	29	0	1,931	58	0	11,682	116	19	20,959	0	0	1,474	837	4,656	1,278	98
MODOC	0	0	0	0	0	1,596	118	0	44	0	18	3,080	0	150	1,395	0	49	0	84
MONO	0	0	0	0	0	24	0	0	0	0	0	9	0	0	20	0	1	0	2
MONTEREY	0	0	3	19,158	0	5,475	1,678	0	17,214	441	252	9,307	8	0	763	1,016	15,517	14	820
NAPA	0	0	0	0	0	3	12	0	308	203	0	162	0	0	14	0	630	109	68
NEVADA	0	53	0	0	0	43	0	0	18	0	0	0	0	0	16	0	45	0	131
ORANGE	0	0	3	25	0	83	0	0	983	108	4	495	0	18	82	0	790	0	1,483
PLACER	0	5,446	0	28	0	312	0	0	165	1	1	604	0	0	396	0	110	0	4,081
PLUMAS	0	0	0	0	0	2	0	0	0	0	0	8	0	0	7	0	3	0	4
RIVERSIDE	52	0	0	6,322	0	2,268	46	0	7,363	281	19	12,623	0	0	1,284	8	2,582	1,081	4,783
SACRAMENTO	389	1,938	0	475	0	543	195	0	1,406	740	882	5,660	0	0	1,240	17	4,837	655	1,808
SAN BENITO	0	0	0	155	0	166	0	0	2,318	11	0	1,240	0	0	29	0	1,357	776	70
SAN BERNARDINO	0	0	0	12	0	637	0	0	191	19	55	130	0	0	151	0	241	20	3,041
SAN DIEGO	0	1	205	90	0	125	25	0	791	885	68	366	0	0	198	0	1,363	0	2,498
SAN FRANCISCO	0	286	0	0	0	103	0	0	0	11	0	350	0	0	0	0	109	0	89
SAN JOAQUIN	2,579	0	0	9	0	2,905	278	0	15,963	299	2,272	29,007	0	0	39,553	5	9,114	116	2,375
SAN LUIS OBISPO	0	0	0	1,992	20	543	5	0	3,383	290	0	1,583	0	0	130	31	894	58	143
SAN MATEO	0	0	2	0	0	90	0	0	0	20	0	0	0	0	114	0	517	0	317
SANTA BARBARA	0	0	70	5,576	0	1,853	32	0	6,430	718	23	8,594	0	0	676	29	7,134	9	551
SANTA CLARA	0	16	0	89	0	120	0	0	1,576	37	7	325	0	0	38	0	1,510	679	0
SANTA CRUZ	0	0	0	536	774	188	0	7	1,095	153	0	239	0	0	83	0	2,454	0	424
SHASTA	0	0	4	215	0	825	0	0	347	12	0	133	0	0	1,535	186	158	0	177
SIERRA	0	0	0	0	0	0	0	0	0	0	0	17	0	0	23	0	1	0	0
SIKIYOU	0	0	0	0	0	1,062	214	0	898	0	51	228	0	21	2,032	0	130	0	424
SOLANO	1,117	1,696	0	1,731	0	3,353	446	0	1,367	54	178	7,987	0	0	1,625	1,706	13,745	89	442
SONOMA	0	72	1	166	0	21	62	5	889	643	0	53	0	0	58	0	2,953	91	353
STANISLAUS	832	0	0	0	0	12,341	178	0	27,651	2,696	0	39,883	86	0	9,837	2	4,978	179	521
SUTTER	19	37,726	20	722	0	7,253	36	0	3,774	720	415	10,350	38	0	2,112	458	4,481	73	36
TEHAMA	0	148	0	0	0	1,679	2	0	1,152	58	1	3,773	0	0	554	0	450	1	212
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8
TULARE	423	11	0	29	1	1,017	179	0	11,852	424	85	22,863	0	0	3,545	34	11,647	320	490
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	8	0	0
VENTURA	0	0	0	2,131	0	336	0	0	7,960	270	2	1,746	0	2	323	0	3,749	1,438	1,046
YOLO	208	14,275	47	55	0	1,921	134	0	5,732	76	944	19,596	0	0	2,828	102	8,741	15	301
YUBA	0	4,881	0	868	0	1,298	0	0	2,793	12	43	1,396	5	0	1,179	0	495	121	72
** UNKNOWN **	0	54	0	0	0	6,491	588	70	40,934	4,299	1,543	117,265	0	0	10,726	1,078	49,721	0	12,660
TOTAL	8,611	147,791	415	47,593	912	81,482	6,474	82	254,142	21,957	7,845	578,018	245	191	168,715	6,901	201,826	12,625	65,334

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2022-JUNE 2023
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	22	6	26	0	3	0	42	24	26	97	3	78	5	150	41	50	301
ALPINE	0	0	3	0	0	0	0	0	0	6	0	0	0	0	0	0	0
AMADOR	0	6	0	1	0	0	11	13	0	0	0	0	0	18	11	0	1
BUTTE	0	608	2,457	2	3,651	0	1,110	488	32	4,038	749	184	2,503	4,303	610	111	656
CALAVERAS	0	0	0	0	0	0	5	8	8	0	0	0	0	4	4	8	6
COLUSA	0	2,107	2,547	49	2,329	0	1,717	362	5	118	355	1,305	662	1,909	778	6	1
CONTRA COSTA	0	1	0	1	356	0	114	156	47	28	9	22	293	180	22	111	311
DEL NORTE	0	0	1	0	0	0	0	0	7	6	0	0	0	1	0	0	1
EL DORADO	0	2	0	0	0	0	12	12	1	5	0	0	9	19	15	13	14
FRESNO	1	0	553	1,289	3,687	0	5,628	3,278	929	253	1,922	3,062	4,118	15,974	4,724	1,658	1,436
GLENN	0	784	1,319	0	202	0	1,151	362	42	121	90	171	2,508	4,248	1,340	44	4
HUMBOLDT	0	0	0	0	0	0	41	4	242	76	0	0	0	22	7	102	185
IMPERIAL	0	0	12,041	3,047	3,965	0	4,529	7,183	635	375	708	90	675	16,130	7,456	848	5
INYO	0	0	51	0	0	102	0	102	5	48	50	1	91	13	78	0	0
KERN	0	0	1,031	891	4,605	0	3,784	1,912	449	596	6,251	2,077	5,555	18,925	4,526	952	99
KINGS	0	0	547	546	2,194	0	1,562	1,448	3	160	748	413	334	2,097	2,220	5	10
LAKE	0	0	41	0	40	0	48	72	3	1	0	6	0	55	93	5	2
LASSEN	0	281	19	0	71	0	27	5	0	217	0	0	23	5	45	2	7
LOS ANGELES	1	6	48	0	148	1	199	128	345	807	39,956	43,927	20	321	190	499	1,499
MADERA	0	0	763	345	1,921	0	1,277	571	437	405	871	561	5,336	2,148	174	2	0
MARIN	0	0	1	0	0	0	0	0	10	120	1	0	0	0	0	15	220
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	11	0	223	0	125	52	139	19	43	25	94	267	270	179	286
MERCED	6	0	3,798	80	1,551	0	1,490	1,310	100	505	1,323	1,221	891	4,939	2,251	166	28
MODOC	0	2,024	1,631	0	392	0	74	3	14	1,150	185	0	647	53	73	5	0
MONO	0	0	178	0	0	0	0	0	0	1	14	0	0	1	0	0	2
MONTEREY	0	0	642	500	265	1	2,873	2,889	53	75	121	774	1,903	7,878	4,079	106	224
NAPA	0	7	67	1	43	1	203	161	43	6	4	15	120	375	411	66	41
NEVADA	0	52	0	0	0	0	20	3	15	8	0	2	1	3	3	18	12
ORANGE	0	0	14	0	1	5	308	286	225	1,594	3	64	15	351	220	116	442
PLACER	0	23	188	0	0	0	21	17	2,011	229	3	10	43	422	49	2,032	185
PLUMAS	0	0	0	0	0	0	7	0	1	0	0	0	0	3	0	2	4
RIVERSIDE	0	1	2,667	357	4,455	6	915	1,214	449	4,143	919	209	617	1,766	1,153	426	727
SACRAMENTO	0	283	225	0	353	0	1,035	369	181	151	184	204	126	2,601	891	220	535
SAN BENITO	0	0	0	1	16	0	209	171	0	0	2	97	46	199	117	2	0
SAN BERNARDINO	0	0	2,444	14	37	3	29	66	413	343	91	2	11	802	217	379	700
SAN DIEGO	13	4	101	36	1	18	409	249	201	275	179	243	835	847	333	208	432
SAN FRANCISCO	0	0	0	0	0	0	7	19	23	10	89	86	0	20	2	26	29
SAN JOAQUIN	0	6	178	48	2,520	6	2,220	1,424	329	929	1,995	498	2,010	5,742	4,361	383	725
SAN LUIS OBISPO	0	3	21	4	214	7	190	238	40	29	170	405	361	839	1,153	58	34
SAN MATEO	0	0	43	0	0	0	63	49	32	34	0	4	7	71	152	39	148
SANTA BARBARA	0	1	118	350	660	33	2,517	2,313	28	170	505	784	435	3,181	2,776	52	113
SANTA CLARA	0	0	28	2	76	2	362	525	109	49	57	172	81	565	660	207	287
SANTA CRUZ	5	10	3	3	18	1	280	487	19	27	4	66	221	438	784	35	125
SHASTA	0	622	376	0	27	0	187	20	13	877	140	5	229	262	254	25	63
SIERRA	0	0	0	0	0	0	0	0	0	24	2	0	0	0	3	0	0
SISKIYOU	0	1,111	2,470	0	19	0	75	138	40	2,109	212	2	874	162	14	74	74
SOLANO	0	485	1,203	0	3,860	0	577	401	106	492	218	650	366	2,951	978	85	114
SONOMA	0	12	45	1	244	3	155	150	140	27	19	13	192	569	680	215	109
STANISLAUS	0	9	2,929	149	4,316	0	2,020	940	169	3,416	3,228	1,512	4,521	12,197	2,335	218	168
SUTTER	0	1,863	2,274	0	3,589	0	555	418	9	752	500	392	809	87,880	1,072	12	12
TEHAMA	0	37	447	0	105	0	100	32	22	313	272	56	1,685	1,802	462	34	12
TRINITY	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	4	5
TULARE	1	0	704	1,512	1,261	0	3,205	1,891	211	629	900	1,120	2,337	5,343	7,240	195	101
TUOLUMNE	0	0	0	0	0	0	9	0	1	0	0	0	0	7	0	0	0
VENTURA	0	12	164	344	216	11	662	1,039	36	54	920	896	846	1,648	708	61	173
YOLO	0	1,468	668	0	5,391	0	1,572	940	19	246	203	365	618	3,598	1,541	60	112
YUBA	0	87	401	0	185	0	87	159	31	922	0	123	472	698	223	51	26
** UNKNOWN **	12	0	5,885	1,494	0	4	16,257	10,069	2,617	6,088	3,107	1,042	7,545	44,175	21,248	2,720	6,307
TOTAL	61	11,921	51,370	11,067	53,190	102	60,079	44,080	10,907	33,265	66,909	63,242	46,065	262,478	81,169	13,083	17,115

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JULY 2022-JUNE 2023
 TONS OF AGRICULTURAL MINERALS AND BULK COMPOST - FARM USE AND NON-FARM USE

COUNTY	COPPER - ALL MATERIALS	IRON - ALL MATERIALS	GYPSSUM - 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	1	696	418	122	11	0	727	51	6,134
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	11	0	7	0	0
BUTTE	14	1	4,006	1,552	0	623	11	680	50	2,563
CALAVERAS	0	4	63	0	0	26	0	0	0	0
COLUSA	537	1	23,078	4,887	2,130	238	547	3,260	0	101
CONTRA COSTA	0	0	392	231	221	778	24	214	45	0
DEL NORTE	0	0	0	0	0	0	0	26	0	0
EL DORADO	0	1	32	4	0	9	0	23	11	0
FRESNO	173	134	170,060	2,963	33,358	4,226	10,349	39,084	89,917	69,214
GLENN	39	0	3,278	1,627	0	36,650	123	6,326	24	13,188
HUMBOLDT	0	0	8	6,124	0	0	0	33	482	1
IMPERIAL	11	88	5,554	100,275	0	1,542	5,264	85,690	8	82,200
INYO	0	9	2	3	0	0	0	215	0	0
KERN	550	57	376,666	9,422	42,762	10,387	3,870	83,945	241	0
KINGS	162	91	127,387	10,452	23,632	4,717	48,662	23,033	5	19,017
LAKE	0	0	1,017	0	0	6	0	450	0	6,076
LASSEN	0	2	305	72	0	126	0	127	0	0
LOS ANGELES	3	26	200	39	17,004	1	0	6,385	1,329	17,248
MADERA	2	5	5,971	333	12,781	1,281	237	14,380	5	5,232
MARIN	0	0	27	0	0	0	0	0	25	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0
MENDOCINO	1	2	794	2,019	0	3	0	600	14	0
MERCED	31	6	27,062	3,713	6,048	4,551	2,341	15,969	3	60,795
MODOC	0	11	1,655	131	0	1,186	0	581	0	2,494
MONO	0	0	0	0	0	1	2	1	0	0
MONTEREY	13	31	7,507	36,161	0	347	183	32,085	19	81,127
NAPA	0	3	1,262	486	0	6	16	6,470	315	38,659
NEVADA	0	0	24	0	0	0	0	3	29	125
ORANGE	0	43	185	10	0	53	0	928	379	0
PLACER	0	0	24	20	81	10	0	184	78	449
PLUMAS	0	0	0	0	0	0	0	142	0	0
RIVERSIDE	0	31	11,751	404	92	407	314	27,426	645	19,244
SACRAMENTO	0	32	4,444	1,014	26,381	2,062	14	6,177	671	4,859
SAN BENITO	0	0	2,579	92	0	54	14	448	0	1,218
SAN BERNARDINO	0	14	363	4	63,700	1	0	855	6,206	585
SAN DIEGO	9	90	1,122	119	40	14	0	6,895	2,359	8,483
SAN FRANCISCO	0	0	1	78	0	0	0	55	0	0
SAN JOAQUIN	0	38	20,701	6,918	926	15,077	421	7,539	117	268
SAN LUIS OBISPO	4	32	718	117	1,939	61	50	927	30	5,354
SAN MATEO	0	9	36	189	0	1	0	437	46	671
SANTA BARBARA	2	9	11,254	23,432	0	742	1,687	27,625	46	3,354
SANTA CLARA	0	2	1,621	240	0	19	5	906	97	100
SANTA CRUZ	0	2	4,737	42	0	193	0	9,057	93	101
SHASTA	0	0	1,172	14,567	0	551	0	2,473	7	125
SIERRA	0	0	0	0	0	0	0	2	0	0
SISKIYOU	0	0	2,574	1,059	0	1,303	383	1,346	0	6,611
SOLANO	40	48	6,238	1,962	152,656	115	36	905	338	3,576
SONOMA	4	28	4,253	1,337	0	3	0	3,460	108	10,124
STANISLAUS	22	20	39,481	19,339	1,038	9,700	351	12,352	679	11,180
SUTTER	0	0	8,286	847	0	794	0	990	1	0
TEHAMA	0	0	1,735	2,369	0	16	0	5,107	46	796
TRINITY	0	0	0	0	0	0	0	0	0	24
TULARE	53	61	87,582	2,746	329	4,558	4,946	30,829	1,212	94,543
TUOLUMNE	0	0	0	528	0	1	0	0	0	2,707
VENTURA	1	38	1,584	17	0	486	1,511	9,611	160	10,465
YOLO	5	0	5,215	333	18,531	627	804	11,716	21	29,639
YUBA	1	1	1,826	4,451	0	0	0	166	0	0
** UNKNOWN **	0	2	37,752	14,310	0	8,010	2,145	32,865	6,517	2,401
TOTAL	1,677	973	1,014,280	277,456	403,771	111,584	84,310	521,737	112,429	621,051

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2022-JUNE 2023
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	479	7,993	1,048	9,520	234	1,554	187	1,975	818	37	855	10,375
ALPINE	0	48	0	48	0	0	0	0	0	0	0	48
AMADOR	13	59	60	132	2	1	15	18	0	0	0	132
BUTTE	3,245	36,024	50,994	90,263	441	6,194	252	6,887	309	169	478	90,741
CALAVERAS	73	26	77	176	67	0	26	93	29	0	29	205
COLUSA	15,210	45,759	64,662	125,631	3,405	25,216	3,927	32,548	40	0	40	125,671
CONTRA COSTA	226	1,813	6,411	8,450	23	1,232	384	1,639	586	78	664	9,114
DEL NORTE	2	5	24	31	2	0	24	26	2	23	25	56
EL DORADO	137	509	662	1,308	33	26	10	69	241	3	244	1,552
FRESNO	18,553	304,122	172,855	495,530	6,682	214,328	39,146	260,156	91,426	1,443	92,869	588,399
GLENN	2,049	76,550	36,142	114,741	380	47,258	405	48,043	245	2	247	114,988
HUMBOLDT	75	6,191	44	6,310	13	6,128	24	6,165	973	210	1,183	7,493
IMPERIAL	4,244	339,855	109,924	454,023	1,105	174,427	22,893	198,425	44	33	77	454,100
INYO	905	299	573	1,777	49	98	82	229	0	0	0	1,777
KERN	19,713	474,944	174,161	668,818	7,076	441,253	69,096	517,425	1,018	18	1,036	669,854
KINGS	1,705	194,115	112,290	308,110	837	167,800	67,270	235,907	83	4	87	308,197
LAKE	346	5,878	3,390	9,614	248	1,175	50	1,473	3	1	4	9,618
LASSEN	222	1,937	339	2,498	167	437	28	632	4	0	4	2,502
LOS ANGELES	85,543	57,909	1,057	144,509	822	10,664	239	11,725	5,900	1,262	7,162	151,671
MADERA	4,421	41,879	50,988	97,288	1,182	29,085	3,878	34,145	72	0	72	97,360
MARIN	2	64	0	66	1	26	0	27	592	7	599	665
MARIPOSA	0	0	1	1	0	0	0	0	0	0	0	1
MENDOCINO	2,139	3,347	4,974	10,460	514	2,763	144	3,421	299	46	345	10,805
MERCED	4,589	119,257	59,338	183,184	1,986	45,397	12,338	59,721	126	12	138	183,322
MODOC	443	14,374	3,909	18,726	245	3,111	208	3,564	107	0	107	18,833
MONO	2	238	11	251	0	2	2	4	4	0	4	255
MONTEREY	12,325	163,229	74,683	250,237	5,279	66,577	4,471	76,327	1,168	21	1,189	251,426
NAPA	1,226	26,613	21,985	49,824	461	6,266	1,516	8,243	433	3	436	50,260
NEVADA	31	299	81	411	2	24	1	27	150	55	205	616
ORANGE	1,102	951	3,014	5,067	292	383	544	1,219	3,449	570	4,019	9,086
PLACER	257	2,071	6,468	8,796	161	22	136	319	8,180	137	8,317	17,113
PLUMAS	4	153	15	172	0	142	0	142	8	0	8	180
RIVERSIDE	6,453	50,660	53,404	110,517	2,012	20,125	18,271	40,408	7,830	299	8,129	118,646
SACRAMENTO	1,275	26,576	42,393	70,244	472	12,674	25,171	38,317	2,735	539	3,274	73,518
SAN BENITO	3,358	3,339	4,618	11,315	2,407	638	142	3,187	69	3	72	11,387
SAN BERNARDINO	5,231	64,924	556	70,711	517	710	50	1,277	10,547	205	10,752	81,463
SAN DIEGO	10,074	11,452	2,658	24,184	5,217	2,354	698	8,269	5,607	115	5,722	29,906
SAN FRANCISCO	205	273	738	1,216	7	78	49	134	145	19	164	1,380
SAN JOAQUIN	4,069	86,481	85,102	175,652	1,923	33,726	15,529	51,178	3,715	106	3,821	179,473
SAN LUIS OBISPO	2,489	9,747	9,593	21,829	434	1,436	307	2,177	221	6	227	22,056
SAN MATEO	1,049	1,415	11	2,475	508	163	1	672	510	21	531	3,006
SANTA BARBARA	6,531	69,027	37,489	113,047	714	57,715	6,323	64,752	758	31	789	113,836
SANTA CLARA	1,753	4,139	3,375	9,267	1,008	1,523	262	2,793	969	203	1,172	10,439
SANTA CRUZ	1,801	15,715	4,160	21,676	534	13,141	356	14,031	982	6	988	22,664
SHASTA	859	23,146	1,288	25,293	608	17,902	253	18,763	234	21	255	25,548
SIERRA	4	47	21	72	2	0	0	2	0	0	0	72
SISKIYOU	1,092	21,435	2,552	25,079	961	4,761	943	6,665	575	15	590	25,669
SOLANO	2,310	96,272	113,854	212,436	1,264	81,681	780	83,725	964	484	1,448	213,884
SONOMA	2,322	20,272	3,839	26,433	663	7,511	911	9,085	657	123	780	27,213
STANISLAUS	9,392	119,847	100,222	229,461	4,532	62,665	15,244	82,441	1,610	299	1,909	231,370
SUTTER	2,706	28,826	147,745	179,277	694	9,535	688	10,917	58	6	64	179,341
TEHAMA	604	12,022	10,524	23,150	308	4,144	4,775	9,227	298	22	320	23,470
TRINITY	2	24	0	26	0	0	0	0	18	0	18	44
TULARE	10,794	216,740	76,945	304,479	4,129	106,882	20,013	131,024	1,772	96	1,868	306,347
TUOLUMNE	0	3,235	52	3,287	0	528	1	529	0	1	1	3,288
VENTURA	7,481	18,380	23,292	49,153	2,117	3,083	8,048	13,248	1,272	120	1,392	50,545
YOLO	2,585	55,859	79,571	138,015	893	15,270	3,896	20,059	399	68	467	138,482
YUBA	808	11,350	10,792	22,950	204	6,158	83	6,445	108	0	108	23,058
** UNKNOWN **	9,290	158,678	277,538	445,506	587	74,794	19,703	95,084	24,057	3,759	27,816	473,322
TOTAL	273,818	3,056,392	2,052,512	5,382,722	64,424	1,790,786	369,793	2,225,003	182,419	10,701	193,120	5,575,842

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY 2022-JUNE 2023
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	1,058	215	353	1,626	693	183	256	1,133	364	32	97	493
ALPINE	9	2	4	14	9	2	4	14	0	0	0	0
AMADOR	25	26	29	80	18	7	11	37	7	19	18	43
BUTTE	16,221	4,299	7,779	28,298	5,230	2,478	6,843	14,550	10,991	1,821	936	13,748
CALAVERAS	37	21	17	75	21	14	10	45	16	7	7	30
COLUSA	25,867	4,691	3,314	33,872	10,913	2,691	1,498	15,101	14,955	2,000	1,816	18,770
CONTRA COSTA	2,389	461	619	3,468	605	114	327	1,047	1,783	347	291	2,421
DEL NORTE	14	13	2	28	3	1	2	5	11	12	0	23
EL DORADO	470	28	53	552	359	20	44	423	111	8	9	128
FRESNO	47,512	12,783	24,189	84,484	11,810	3,750	11,355	26,915	35,703	9,033	12,834	57,569
GLENN	12,248	2,467	6,075	20,790	3,260	1,841	5,380	10,481	8,988	627	695	10,310
HUMBOLDT	305	363	161	829	245	222	148	615	59	141	13	213
IMPERIAL	52,253	21,615	24,492	98,360	31,834	10,464	10,297	52,595	20,419	11,150	14,195	45,765
INYO	280	134	188	602	180	133	183	496	100	1	5	106
KERN	39,412	9,589	29,617	78,618	11,184	3,091	10,655	24,930	28,228	6,498	18,962	53,688
KINGS	15,907	4,825	5,019	25,751	2,801	951	2,105	5,857	13,106	3,874	2,914	19,893
LAKE	441	159	145	745	145	108	33	286	296	51	112	458
LASSEN	687	122	191	1,000	596	92	146	834	91	30	45	166
LOS ANGELES	28,037	1,887	30,577	60,500	27,545	1,693	30,045	59,282	492	194	532	1,218
MADERA	14,577	3,617	8,058	26,251	2,531	1,770	3,018	7,319	12,046	1,847	5,040	18,932
MARIN	317	131	138	585	315	131	134	579	2	0	4	6
MARIPOSA	1	0	0	1	0	0	0	0	1	0	0	1
MENDOCINO	1,601	411	751	2,762	755	255	396	1,406	845	156	355	1,356
MERCED	16,984	5,572	7,994	30,550	4,620	1,552	4,197	10,369	12,365	4,020	3,797	20,181
MODOC	2,716	1,480	1,226	5,423	1,653	1,341	1,195	4,189	1,063	139	31	1,234
MONO	40	94	10	144	37	94	10	141	3	0	0	3
MONTEREY	28,329	6,575	11,270	46,174	6,258	2,855	5,629	14,743	22,071	3,720	5,641	31,432
NAPA	967	448	864	2,279	586	227	320	1,133	381	221	544	1,146
NEVADA	214	56	27	298	155	47	25	228	60	9	2	71
ORANGE	2,683	2,421	911	6,015	1,843	1,921	399	4,163	840	500	512	1,852
PLACER	5,786	2,193	2,526	10,505	4,309	2,182	2,475	8,967	1,476	11	51	1,538
PLUMAS	13	8	6	27	10	5	3	18	4	3	3	10
RIVERSIDE	16,943	7,379	5,755	30,077	8,493	4,264	4,462	17,220	8,450	3,115	1,293	12,857
SACRAMENTO	12,913	2,544	4,263	19,720	5,080	693	2,209	7,982	7,833	1,851	2,053	11,737
SAN BENITO	3,076	386	339	3,802	1,829	209	194	2,232	1,248	177	146	1,570
SAN BERNARDINO	7,696	3,415	2,281	13,392	7,451	3,368	2,190	13,009	245	47	91	383
SAN DIEGO	4,547	1,183	1,885	7,616	3,804	1,111	1,751	6,666	744	72	134	950
SAN FRANCISCO	390	59	103	552	202	29	80	311	188	30	23	241
SAN JOAQUIN	45,584	5,226	12,377	63,186	23,186	1,577	5,554	30,317	22,398	3,649	6,822	32,869
SAN LUIS OBISPO	2,993	597	2,399	5,989	1,092	301	961	2,354	1,901	296	1,438	3,635
SAN MATEO	915	199	326	1,440	900	193	318	1,411	15	6	8	29
SANTA BARBARA	13,588	5,373	6,585	25,547	4,925	2,398	3,362	10,685	8,664	2,975	3,223	14,862
SANTA CLARA	2,727	1,087	1,548	5,362	1,691	837	1,191	3,718	1,036	250	357	1,643
SANTA CRUZ	3,523	827	1,341	5,690	2,384	641	978	4,003	1,139	186	363	1,688
SHASTA	1,558	559	1,146	3,263	1,342	523	1,058	2,922	216	36	88	341
SIERRA	17	0	18	35	11	0	15	25	6	0	3	9
SISKIYOU	2,437	1,785	2,007	6,229	2,081	1,657	2,003	5,741	355	128	4	488
SOLANO	30,336	6,621	5,736	42,693	8,929	2,357	2,141	13,427	21,408	4,264	3,595	29,266
SONOMA	3,782	582	1,551	5,915	3,190	309	538	4,037	592	273	1,013	1,878
STANISLAUS	32,332	6,261	17,466	56,059	9,879	2,323	11,751	23,952	22,453	3,938	5,715	32,106
SUTTER	20,020	3,752	89,952	113,725	6,318	2,225	1,855	10,399	13,702	1,527	88,097	103,326
TEHAMA	2,786	432	2,849	6,067	1,081	291	2,629	4,001	1,705	141	220	2,066
TRINITY	9	6	4	19	9	6	4	19	0	0	0	0
TULARE	24,403	6,933	14,289	45,625	4,720	1,611	9,574	15,905	19,683	5,322	4,716	29,721
TUOLUMNE	17	10	7	34	0	0	0	0	17	10	7	34
VENTURA	8,896	2,122	2,717	13,735	4,943	1,178	2,116	8,238	3,953	943	601	5,497
YOLO	23,347	5,328	5,610	34,285	5,014	981	1,538	7,533	18,333	4,347	4,072	26,752
YUBA	3,675	573	1,531	5,779	1,209	455	1,407	3,072	2,466	118	124	2,708
** UNKNOWN **	115,195	34,521	73,416	223,131	44,889	13,699	23,206	81,794	70,306	20,822	50,210	141,337
TOTAL	701,105	184,464	424,102	1,309,671	285,173	83,470	180,228	548,872	415,932	100,994	243,874	760,799

FERTILIZING MATERIALS TONNAGE REPORT

JULY – DECEMBER 2023



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

SACRAMENTO, CALIFORNIA 95814

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 Amadou Ba

Amadou Ba, Ph.D,
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 2022	JAN-JUNE 2023	JULY-DEC 2022	JULY-DEC 2023	JAN-DEC 2022	JAN-DEC 2023
2	ANHYDROUS AMMONIA	5,441	2,865	5,746	5,924	11,187	8,789
6	AQUA AMMONIA	69,670	129,441	18,350	3,845	88,020	133,286
10	AMMONIUM NITRATE	145	208	207	1,166	352	1,374
12	AMMONIUM NITRATE SOLUTION	18,250	29,375	18,218	22,198	36,468	51,573
20	AMMONIUM POLYSULFIDE	555	125	787	105	1,342	230
24	AMMONIUM SULFATE	38,268	52,908	28,574	30,621	66,842	83,529
31	AMMONIUM THIOSULFATE	3,466	4,625	1,849	2,526	5,315	7,151
35	CALCIUM AMMONIUM NITRATE SOLUTION	169,132	178,435	75,707	68,110	244,839	246,545
43	CALCIUM NITRATE	33,776	12,732	9,225	14,280	43,001	27,012
58	NITROGEN SOLUTION 28%	3,071	6,193	1,652	3,614	4,723	9,807
60	NITROGEN SOLUTION 32%	397,972	398,263	179,755	162,589	577,727	560,852
62	SODIUM NITRATE	1,066	90	155	9	1,221	99
64	SULFUR COATED UREA	294	63	128	47	422	110
66	UREA	56,497	116,922	51,793	56,083	108,290	173,005
67	UREA SOLUTION	2,106	3,653	3,248	1,640	5,354	5,293
0	NON-FARM USE NITROGEN	34,960	27,460	37,874	31,047	72,834	58,507
98	NITROGEN MATERIALS - COMPOST	3,418	6,323	6,302	27,039	9,720	33,362
203	DIAMMONIUM PHOSPHATE	17	22	39	16	56	38
207	AMMONIUM PHOSPHATE SULFATE	5,442	9,830	2,091	1,485	7,533	11,315
209	MONOAMMONIUM PHOSPHATE	17,264	24,007	27,363	52,434	44,627	76,441
248	PHOSPHORIC ACID	7,355	6,915	4,152	13,745	11,507	20,660
249	LIQUID AMMONIUM POLYPHOSPHATE	25,564	34,825	18,365	21,137	43,929	55,962
263	NORMAL SUPERPHOSPHATE	1	54	0	0	1	54
267	TRIPLE SUPERPHOSPHATE	196	102	237	122	433	224
0	NON-FARM USE PHOSPHORUS	10,538	8,218	8,206	10,938	18,744	19,156
298	PHOSPHORUS MATERIALS - COMPOST	2,256	1,574	2,689	2,808	4,945	4,382
428	MURIATE OF POTASH	20,795	25,059	13,765	20,747	34,560	45,806
443	SULFATE OF POTASH MAGNESIA	21,937	53,144	15,573	15,900	37,510	69,044
453	POTASSIUM NITRATE	4,727	47,669	2,972	5,715	7,699	53,384
463	POTASSIUM SULFATE	140,483	43,093	50,557	70,242	191,040	113,335
0	NON-FARM USE POTASH	10,743	9,656	6,372	7,067	17,115	16,723
498	POTASSIUM MATERIALS - COMPOST	2,904	11,020	3,427	6,667	6,331	17,687
601	BLOOD MEAL	8	79	3	99	11	178
667	SEWAGE SLUDGE	173,954	191,034	212,737	109,140	386,691	300,174
723	COPPER - ALL MATERIALS	855	1,482	195	399	1,050	1,881
731	IRON - ALL MATERIALS	734	417	556	245	1,290	662
732	GYPSUM - ALL MATERIALS	515,820	353,125	661,155	679,610	1,176,975	1,032,735
770	SULFUR	50,003	33,378	78,206	44,688	128,209	78,066
774	SULFURIC ACID	82,497	36,741	47,569	65,737	130,066	102,478
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	161,017	239,910	281,827	89,264	442,844	329,174
907	LIMING MATERIALS - ALL MATERIALS	98,416	113,575	163,881	218,460	262,297	332,035
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	12,931	101,937	10,492	12,454	23,423	114,391
613	OIM BULK COMPOST - NO NUTRIENTS	218,815	181,742	439,309	462,428	658,124	644,170
0	TOTAL	2,423,359	2,498,289	2,463,391	2,342,390	4,886,750	4,840,679

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 2022 N	JAN-JUNE 2022 P2O5	JAN-JUNE 2022 K2O	JAN-JUNE 2023 N	JAN-JUNE 2023 P2O5	JAN-JUNE 2023 K2O
0	NON-FARM USE NITROGEN	34,960	0	0	27,460	0	0
0	NON-FARM USE PHOSPHORUS	0	10,538	0	0	8,218	0
0	NON-FARM USE POTASH	0	0	10,743	0	0	9,656
2	ANHYDROUS AMMONIA	4,462	0	0	2,349	0	0
6	AQUA AMMONIA	13,934	0	0	25,888	0	0
10	AMMONIUM NITRATE	49	0	0	71	0	0
12	AMMONIUM NITRATE SOLUTION	3,650	0	0	5,875	0	0
20	AMMONIUM POLYSULFIDE	111	0	0	25	0	0
24	AMMONIUM SULFATE	8,036	0	0	11,111	0	0
31	AMMONIUM THIOSULFATE	416	0	0	555	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	28,752	0	0	30,334	0	0
43	CALCIUM NITRATE	5,066	0	0	1,910	0	0
58	NITROGEN SOLUTION 28%	860	0	0	1,734	0	0
60	NITROGEN SOLUTION 32%	127,351	0	0	127,444	0	0
62	SODIUM NITRATE	171	0	0	14	0	0
64	SULFUR COATED UREA	106	0	0	23	0	0
66	UREA	25,989	0	0	53,784	0	0
67	UREA SOLUTION	421	0	0	731	0	0
97	NITROGEN MATERIALS - ALL OTHER	167,201	0	0	122,449	0	0
98	NITROGEN MATERIALS - COMPOST	3,418	0	0	6,323	0	0
203	DIAMMONIUM PHOSPHATE	3	8	0	4	10	0
207	AMMONIUM PHOSPHATE SULFATE	871	1,088	0	1,573	1,966	0
209	MONOAMMONIUM PHOSPHATE	1,899	8,977	0	2,641	12,484	0
248	PHOSPHORIC ACID	0	3,972	0	0	3,734	0
249	LIQUID AMMONIUM POLYPHOSPHATE	2,556	8,692	0	3,483	11,841	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	12	0
267	TRIPLE SUPERPHOSPHATE	0	90	0	0	47	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	58,367	0	0	59,842	0
298	PHOSPHORUS MATERIALS - COMPOST	0	2,256	0	0	1,574	0
428	MURIATE OF POTASH	0	0	12,477	0	0	15,035
443	SULFATE OF POTASH MAGNESIA	0	0	4,826	0	0	11,692
453	POTASSIUM NITRATE	662	0	2,080	6,674	0	20,974
463	POTASSIUM SULFATE	0	0	70,242	0	0	21,547
497	POTASSIUM MATERIALS - ALL OTHER	0	0	118,433	0	0	211,921
498	POTASSIUM MATERIALS - COMPOST	0	0	2,904	0	0	11,020
601	BLOOD MEAL	1	0	0	9	0	0
667	SEWAGE SLUDGE	10,437	3,479	1,740	11,462	3,821	1,910
0	TOTAL	441,382	97,467	223,444	443,925	103,548	303,755

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

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 2022 N	JAN-DEC 2022 P2O5	JAN-DEC 2022 K2O	JAN-DEC 2023 N	JAN-DEC 2023 P2O5	JAN-DEC 2023 K2O
0	NON-FARM USE NITROGEN	72,834	0	0	58,507	0	0
0	NON-FARM USE PHOSPHORUS	0	18,744	0	0	19,156	0
0	NON-FARM USE POTASH	0	0	17,115	0	0	16,723
2	ANHYDROUS AMMONIA	9,173	0	0	7,207	0	0
6	AQUA AMMONIA	17,604	0	0	26,657	0	0
10	AMMONIUM NITRATE	120	0	0	467	0	0
12	AMMONIUM NITRATE SOLUTION	7,294	0	0	10,315	0	0
20	AMMONIUM POLYSULFIDE	268	0	0	46	0	0
24	AMMONIUM SULFATE	14,037	0	0	17,541	0	0
31	AMMONIUM THIOSULFATE	638	0	0	858	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	41,623	0	0	41,913	0	0
43	CALCIUM NITRATE	6,450	0	0	4,052	0	0
58	NITROGEN SOLUTION 28%	1,322	0	0	2,746	0	0
60	NITROGEN SOLUTION 32%	184,873	0	0	179,473	0	0
62	SODIUM NITRATE	195	0	0	16	0	0
64	SULFUR COATED UREA	152	0	0	40	0	0
66	UREA	49,813	0	0	79,582	0	0
67	UREA SOLUTION	1,071	0	0	1,059	0	0
97	NITROGEN MATERIALS - ALL OTHER	246,578	0	0	330,264	0	0
98	NITROGEN MATERIALS - COMPOST	9,720	0	0	33,362	0	0
203	DIAMMONIUM PHOSPHATE	10	26	0	7	17	0
207	AMMONIUM PHOSPHATE SULFATE	1,205	1,507	0	1,810	2,263	0
209	MONOAMMONIUM PHOSPHATE	4,909	23,206	0	8,409	39,749	0
248	PHOSPHORIC ACID	0	6,214	0	0	11,156	0
249	LIQUID AMMONIUM POLYPHOSPHATE	4,393	14,936	0	5,596	19,027	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	12	0
267	TRIPLE SUPERPHOSPHATE	0	199	0	0	103	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	100,873	0	0	125,932	0
298	PHOSPHORUS MATERIALS - COMPOST	0	4,945	0	0	4,382	0
428	MURIATE OF POTASH	0	0	20,736	0	0	27,484
443	SULFATE OF POTASH MAGNESIA	0	0	8,252	0	0	15,190
453	POTASSIUM NITRATE	1,078	0	3,388	7,474	0	23,489
463	POTASSIUM SULFATE	0	0	95,520	0	0	56,668
497	POTASSIUM MATERIALS - ALL OTHER	0	0	188,582	0	0	276,769
498	POTASSIUM MATERIALS - COMPOST	0	0	6,331	0	0	17,687
601	BLOOD MEAL	1	0	0	21	0	0
667	SEWAGE SLUDGE	23,201	7,734	3,867	18,010	6,003	3,002
0	TOTAL	698,563	178,383	343,791	835,431	227,802	437,010

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2023
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	1	0	0	13	30	0	84	0	0	4	176	0	195
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	5	0	3
BUTTE	0	1	0	0	0	1,496	6	0	125	77	154	596	0	0	786	69	0	306
CALAVERAS	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	5	0	7
COLUSA	84	285	0	0	0	618	0	0	10	1,200	0	858	0	0	529	397	0	4
CONTRA COSTA	0	0	12	28	0	0	2	0	58	1	0	751	0	0	92	155	0	125
DEL NORTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
EL DORADO	0	0	0	0	0	0	0	0	2	0	0	30	0	0	0	4	0	43
FRESNO	20	0	3	5	28	707	15	0	2,595	1,284	308	20,622	4	0	770	11,699	5,284	343
GLENN	0	359	0	0	0	364	0	0	9	0	2	769	0	0	248	315	0	26
HUMBOLDT	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	0	0	140
IMPERIAL	318	0	52	5,242	0	753	554	0	1,707	175	265	20,567	0	0	28,189	7,157	391	18
INYO	0	0	0	0	0	0	0	0	3	21	0	0	0	0	2	6	0	1
KERN	149	0	350	0	0	182	90	0	688	1,160	53	11,858	0	0	481	6,483	4,611	292
KINGS	282	3	0	1	0	8	48	0	867	27	0	9,394	0	0	3,753	11,616	11	6
LAKE	0	0	0	0	0	25	0	0	1	0	0	45	0	0	4	105	0	3
LASSEN	0	0	0	0	0	132	0	0	0	0	0	181	0	0	149	15	0	0
LOS ANGELES	0	0	0	49	0	31	0	0	0	343	0	53	0	0	158	182	12	1,157
MADERA	0	3	0	0	0	76	1	0	981	33	685	5,113	0	0	76	1,591	138	6
MARIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	137
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
MENDOCINO	0	49	0	0	0	35	0	0	0	2	0	0	0	0	1	85	0	70
MERCED	0	1	0	0	0	865	27	0	1,588	42	952	10,494	0	0	478	1,802	7,576	58
MODOC	0	0	201	0	0	458	170	0	19	0	0	315	0	44	367	15	0	0
MONO	0	0	0	0	0	28	0	0	0	0	0	8	0	0	25	1	0	10
MONTEREY	0	0	0	5,733	0	521	915	0	3,604	436	131	3,971	0	0	1,172	17,886	0	149
NAPA	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8	3,319	51
NEVADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	64
ORANGE	0	0	0	273	0	10	0	0	231	99	0	368	0	0	118	655	0	676
PLACER	0	0	0	0	0	98	0	0	2	50	0	3	0	0	175	12	0	248
PLUMAS	0	0	0	0	0	3	0	0	0	0	0	0	0	0	8	0	0	2
RIVERSIDE	236	0	0	6,015	0	188	25	0	2,459	863	180	2,968	0	0	714	1,180	641	2,192
SACRAMENTO	21	151	0	0	0	47	89	0	258	73	0	878	0	0	143	1,637	805	1,362
SAN BENITO	0	0	0	0	0	0	0	0	60	85	0	58	0	0	4	1,323	0	11
SAN BERNARDINO	0	0	0	0	0	7	0	0	11	9	20	47	0	0	31	100	13	1,859
SAN DIEGO	0	0	467	91	0	73	0	0	318	2,076	34	332	0	0	84	795	0	1,275
SAN FRANCISCO	0	0	0	0	0	3	0	0	0	0	0	68	0	0	0	1	0	36
SAN JOAQUIN	0	0	0	3	0	518	116	0	1,905	125	79	6,237	0	0	629	2,878	106	958
SAN LUIS OBISPO	1	26	0	713	0	183	15	0	523	157	0	1,106	0	0	35	1,460	33	38
SAN MATEO	0	0	1	0	0	2	0	0	243	11	0	0	0	0	3	126	0	321
SANTA BARBARA	0	0	1	2,921	0	54	21	0	2,710	769	1	5,261	0	0	273	5,286	30	103
SANTA CLARA	0	0	0	1	0	36	4	0	131	52	9	206	0	0	175	1,562	362	502
SANTA CRUZ	0	0	0	34	0	75	0	3	2	197	8	163	0	0	82	4,816	0	49
SHASTA	0	0	26	0	0	554	8	0	66	28	0	29	0	0	714	31	0	57
SIERRA	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	2	0	2
SISKIYOU	0	0	0	0	0	479	129	0	479	1	0	195	0	3	407	86	0	34
SOLANO	304	514	25	25	0	249	6	1	90	3	25	687	0	0	469	782	80	167
SONOMA	0	49	2	77	0	0	0	1	4	60	0	18	0	0	36	2,399	0	238
STANISLAUS	4,339	0	0	0	77	1,684	47	0	4,975	316	280	15,209	0	0	2,836	1,566	2,259	175
SUTTER	17	1,283	0	0	0	1,023	1	0	232	104	20	475	0	0	345	132	0	10
TEHAMA	0	27	26	0	0	24	4	0	58	8	1	189	0	0	94	402	0	25
TRINITY	0	0	0	0	0	0	0	0	0	0	0	199	0	0	0	1	0	3
TULARE	133	0	0	0	0	1,026	56	0	1,090	660	15	7,564	0	0	1,893	4,188	240	156
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
VENTURA	0	0	0	987	0	116	1	0	2,578	1,094	0	1,518	0	0	170	5,609	1,069	325
YOLO	20	1,017	0	0	0	320	6	0	456	351	0	710	0	0	410	1,117	0	106
YUBA	0	77	0	0	0	247	0	0	55	2	13	122	5	0	48	44	59	107
** UNKNOWN **	0	0	0	0	0	16,822	170	94	36,902	2,250	379	32,257	0	0	8,896	260	109,829	16,791
TOTAL	5,924	3,845	1,166	22,198	105	30,621	2,526	99	68,110	14,280	3,614	162,589	9	47	56,083	1,640	207,815	31,047

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2023
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	0	1	4	0	0	77	0	39	1	1	4	20	107	0	75
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	3	0	1	0	0	0	5	0	3	0	0	0	4	22	0	3
BUTTE	0	30	57	0	18	0	0	40	0	340	826	103	19	2,677	129	0	433
CALAVERAS	0	0	0	0	0	0	0	3	0	5	0	0	0	6	4	0	6
COLUSA	0	69	379	0	285	0	0	158	0	3	6	705	0	4,391	292	0	1
CONTRA COSTA	0	0	0	0	386	0	2	97	0	25	0	22	6	120	154	0	68
DEL NORTE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
EL DORADO	0	0	0	0	0	0	0	3	0	4	0	0	0	28	5	0	7
FRESNO	0	0	860	121	1,717	0	0	4,289	706	206	503	2,203	172	3,684	6,090	508	70
GLENN	0	4	172	0	15	0	0	45	0	9	100	122	21	3,955	646	0	8
HUMBOLDT	0	0	0	0	221	0	0	221	0	144	0	0	0	0	11	0	104
IMPERIAL	0	0	12,562	1,754	3,758	0	0	6,872	622	12	284	7	4	1,787	820	780	4
INYO	0	0	70	0	0	0	0	20	0	1	198	0	0	0	0	0	1
KERN	0	0	721	1,353	1,399	0	1	1,678	349	13	979	2,178	457	3,557	4,993	3,607	49
KINGS	0	0	962	1,261	1,269	0	0	488	6	3	46	346	16	918	2,570	4	2
LAKE	0	0	0	0	0	0	0	29	0	2	0	0	0	9	73	0	2
LASSEN	0	13	52	0	0	0	0	1	0	0	200	0	0	20	1	0	0
LOS ANGELES	1	0	195	1	0	0	7	366	6	643	0	19	67	65	161	11	701
MADERA	0	0	77	94	161	0	0	1,639	77	2	238	897	31	1,141	1,673	55	35
MARIN	0	0	0	0	0	0	0	6	0	50	0	0	0	0	2	0	68
MARIPOSA	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	2
MENDOCINO	0	0	10	0	0	0	0	15	0	61	0	21	0	136	19	0	69
MERCED	0	0	577	31	388	0	0	935	14	9	1,862	2,188	115	2,350	3,771	14	11
MODOC	0	484	107	0	3	0	0	4	0	0	127	0	0	108	0	0	0
MONO	0	0	45	0	0	0	0	0	0	0	24	0	0	0	0	0	0
MONTEREY	0	0	589	321	167	0	0	8,268	0	47	27	879	411	4,030	2,880	0	94
NAPA	0	2	0	1	0	0	0	8	0	19	0	19	0	59	7	0	30
NEVADA	0	0	0	0	0	0	0	1	0	13	0	0	0	0	5	0	9
ORANGE	0	0	0	0	21	0	0	272	0	157	77	189	6	52	291	0	218
PLACER	0	0	46	0	1	0	0	3	0	50	182	0	3	119	12	0	79
PLUMAS	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	2
RIVERSIDE	0	0	1,662	370	2,166	0	9	693	45	1,418	2,131	137	41	448	600	366	461
SACRAMENTO	0	58	13	0	34	0	0	252	2	205	126	230	12	241	1,113	1	347
SAN BENITO	0	0	0	0	0	0	0	128	0	6	0	122	0	13	132	0	6
SAN BERNARDINO	0	0	174	6	50	0	1	14	6	927	0	0	1	159	65	12	687
SAN DIEGO	12	0	92	25	1	0	15	377	0	4,161	21	61	1,754	942	329	0	271
SAN FRANCISCO	0	0	0	0	0	0	0	9	0	19	0	44	1	6	2	0	29
SAN JOAQUIN	0	0	22	9	1,001	0	17	613	0	238	748	604	36	5,922	2,845	0	346
SAN LUIS OBISPO	0	2	0	10	75	0	22	145	86	7	28	165	407	71	874	27	5
SAN MATEO	0	0	168	0	0	0	2	24	0	57	23	4	6	70	26	0	74
SANTA BARBARA	0	0	27	252	314	0	20	900	6	26	65	603	347	690	830	280	69
SANTA CLARA	0	0	1	1	85	0	0	105	384	167	0	251	10	101	262	289	295
SANTA CRUZ	1	0	6	1	0	0	0	596	0	13	0	1	129	327	966	0	17
SHASTA	0	250	230	1	0	0	0	15	0	32	464	0	7	73	24	0	48
SIERRA	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SISKIYOU	0	191	305	0	16	0	0	105	0	12	300	14	1	389	1	0	20
SOLANO	0	157	222	0	203	0	6	66	43	57	308	224	2	327	618	49	65
SONOMA	0	0	0	1	12	0	0	772	0	120	0	7	65	270	237	0	114
STANISLAUS	0	111	1,794	0	1,282	0	0	695	297	82	5,158	693	571	10,241	1,924	429	102
SUTTER	0	27	97	0	1	0	5	4	0	7	102	162	37	1,114	113	0	8
TEHAMA	0	0	87	3	23	0	0	25	0	1	516	0	7	2,430	639	0	7
TRINITY	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	2
TULARE	0	0	137	825	718	0	0	1,823	133	12	946	1,052	154	1,103	2,547	191	34
TUOLUMNE	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
VENTURA	2	1	53	506	124	0	11	995	0	58	10	1,207	779	702	1,149	0	131
YOLO	0	57	157	0	35	0	0	190	0	27	210	314	1	1,163	1,116	0	54
YUBA	0	21	15	0	0	0	0	32	26	27	9	11	15	452	105	44	44
** UNKNOWN **	0	0	29,661	6,781	5,425	0	0	31,768	0	1,382	3,882	90	0	13,750	23,582	0	1,685
TOTAL	16	1,485	52,434	13,745	21,137	0	122	66,090	2,808	10,938	20,747	15,900	5,715	70,242	64,848	6,667	7,067

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2023

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	1	5	0	6	0	46	64	1
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	544	0	0	1	0
BUTTE	0	0	983	0	0	49	300	337	266	1,592
CALAVERAS	0	0	26	0	0	3	0	0	12	0
COLUSA	0	0	14,312	6,339	0	726	131	1,343	0	0
CONTRA COSTA	0	2	409	30	0	290	0	75	8	40
DEL NORTE	0	0	0	0	0	0	0	6	0	0
EL DORADO	0	0	0	359	0	1	0	2	3	0
FRESNO	93	61	125,959	3,195	8,758	2,051	6,292	12,088	645	7,480
GLENN	0	0	2,769	1,078	0	445	0	338	0	10,070
HUMBOLDT	0	0	0	2,490	0	0	0	7	103	0
IMPERIAL	1	18	2,157	44,603	0	819	2,684	2,746	995	28,879
INYO	0	0	0	0	0	25	0	0	0	0
KERN	189	7	230,495	7,161	19,699	6,204	5,340	21,387	1,118	222
KINGS	26	3	70,204	4,652	3,412	4,605	42,475	2,191	5	3,247
LAKE	0	0	267	0	0	4	0	7	1	1,179
LASSEN	0	0	97	48	0	0	0	147	0	0
LOS ANGELES	1	3	115	345	6,311	76	0	502	780	0
MADERA	0	4	4,145	7	17,894	273	148	1,537	25	2,594
MARIN	0	0	3	0	0	1	0	29	4	0
MARIPOSA	0	0	43	0	0	7	0	0	12	0
MENDOCINO	0	0	142	54	0	39	0	21	4	498
MERCED	1	0	28,512	865	3,948	1,501	222	1,043	1	32,359
MODOC	0	0	1,006	83	0	95	0	295	0	1,075
MONO	0	0	0	24	0	0	0	7	0	0
MONTEREY	1	13	8,187	30,503	0	246	143	6,878	8	62,780
NAPA	0	0	171	2	0	21	0	21	103	15,739
NEVADA	0	0	0	0	0	43	0	0	2	55
ORANGE	0	7	109	0	0	8	0	99	120	1
PLACER	0	0	34	1,688	0	7	0	37	5	49
PLUMAS	0	0	0	8,759	0	0	0	4	0	0
RIVERSIDE	0	8	1,870	5	0	38	0	1,679	236	9,592
SACRAMENTO	0	0	1,005	49	1,666	1,324	0	224	685	3,578
SAN BENITO	0	0	2,056	52,918	0	59	0	275	0	151
SAN BERNARDINO	0	0	80	0	42,502	0	0	123	3,903	23,449
SAN DIEGO	4	6	586	20	0	2	0	713	929	3,976
SAN FRANCISCO	0	0	0	102	0	0	0	27	2	0
SAN JOAQUIN	1	3	15,806	2,602	0	8,457	58	1,227	48	0
SAN LUIS OBISPO	34	3	729	12	2,266	12	0	452	18	3,773
SAN MATEO	1	24	11	115	0	1	0	19	16	1,187
SANTA BARBARA	1	9	7,965	7,339	0	209	965	2,236	18	674
SANTA CLARA	0	0	278	7,232	0	21	3	247	16	89
SANTA CRUZ	0	0	81	99	0	171	0	6,231	4	26
SHASTA	0	0	1,547	7,507	0	131	0	146	19	48
SIERRA	0	0	0	0	0	0	0	1	0	0
SISKIYOU	0	0	3,031	1,091	0	346	181	665	0	4,653
SOLANO	0	0	12,459	371	1,220	59	0	287	80	0
SONOMA	0	31	1,126	700	0	5	0	377	17	8,409
STANISLAUS	4	13	47,609	12,512	1,464	3,541	170	1,880	2	536
SUTTER	0	0	4,597	663	0	89	44	238	2	44
TEHAMA	0	0	134	1,357	0	0	0	224	2	189
TRINITY	0	0	82	0	0	14	0	0	0	0
TULARE	42	12	60,229	7,486	0	6,458	4,511	6,184	689	188,834
TUOLUMNE	0	0	0	66	0	0	0	0	1	700
VENTURA	0	17	118	0	0	551	745	2,047	49	4,344
YOLO	0	0	4,670	76	0	646	111	804	45	37,661
YUBA	0	0	2,606	25	0	25	0	83	1	0
** UNKNOWN **	0	1	20,789	3,823	0	4,440	1,214	11,682	1,387	2,655
TOTAL	399	245	679,610	218,460	109,140	44,688	65,737	89,264	12,454	462,428

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JULY-DECEMBER 2023
 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	50	133	399	582	12	6	40	58	301	72	373	955
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	13	550	27	590	0	543	1	544	7	3	10	600
BUTTE	632	8,367	1,471	10,470	75	1,197	397	1,669	381	964	1,345	11,815
CALAVERAS	29	12	12	53	26	0	3	29	27	3	30	83
COLUSA	2,179	28,360	2,578	33,117	1,634	20,571	646	22,851	8	0	8	33,125
CONTRA COSTA	62	778	1,892	2,732	4	445	357	806	193	33	226	2,958
DEL NORTE	0	0	6	6	0	0	6	6	1	3	4	10
EL DORADO	4	388	42	434	0	360	2	362	53	4	57	491
FRESNO	7,564	162,623	59,926	230,113	3,283	128,719	17,737	149,739	1,253	11	1,264	231,377
GLENN	306	19,352	2,188	21,846	58	4,290	282	4,630	43	0	43	21,889
HUMBOLDT	225	2,531	0	2,756	4	2,493	0	2,497	443	48	491	3,247
IMPERIAL	2,201	126,951	47,375	176,527	296	47,687	5,045	53,028	1,026	3	1,029	177,556
INYO	23	319	3	345	0	25	0	25	0	3	3	348
KERN	6,526	288,438	43,279	338,243	2,686	256,771	11,326	270,783	1,448	24	1,472	339,715
KINGS	1,068	104,242	59,407	164,717	574	79,793	43,789	124,156	10	6	16	164,733
LAKE	36	1,583	140	1,759	23	251	4	278	5	3	8	1,767
LASSEN	25	800	231	1,056	24	235	33	292	0	0	0	1,056
LOS ANGELES	1,414	7,306	361	9,081	371	585	86	1,042	2,009	1,271	3,280	12,361
MADERA	1,296	28,233	11,862	41,391	92	4,456	1,566	6,114	65	3	68	41,459
MARIN	0	41	0	41	0	33	0	33	243	16	259	300
MARIPOSA	1	0	53	54	0	0	50	50	14	4	18	72
MENDOCINO	248	720	159	1,127	57	93	106	256	160	44	204	1,331
MERCED	1,717	83,310	19,516	104,543	167	29,985	1,992	32,144	72	7	79	104,622
MODOC	224	4,029	723	4,976	9	1,273	197	1,479	0	0	0	4,976
MONO	0	147	15	162	0	25	6	31	10	0	10	172
MONTEREY	4,696	126,847	29,422	160,965	1,325	42,913	1,733	45,971	290	8	298	161,263
NAPA	152	19,196	31	19,379	79	126	10	215	199	4	203	19,582
NEVADA	3	61	53	117	0	0	43	43	40	48	88	205
ORANGE	745	461	1,684	2,890	129	46	48	223	803	368	1,171	4,061
PLACER	54	2,452	15	2,521	47	1,716	3	1,766	350	32	382	2,903
PLUMAS	0	8,770	4	8,774	0	8,759	4	8,763	4	4	8	8,782
RIVERSIDE	2,279	18,102	16,928	37,309	600	2,386	614	3,600	4,143	164	4,307	41,616
SACRAMENTO	528	9,980	3,837	14,345	206	1,388	1,323	2,917	1,319	965	2,284	16,629
SAN BENITO	2,285	53,551	1,552	57,388	2,067	53,143	98	55,308	23	0	23	57,411
SAN BERNARDINO	284	66,385	211	66,880	124	74	5	203	7,198	178	7,376	74,256
SAN DIEGO	4,425	9,008	1,359	14,792	684	452	195	1,331	4,914	136	5,050	19,842
SAN FRANCISCO	52	108	103	263	2	102	25	129	82	4	86	349
SAN JOAQUIN	1,253	31,219	20,295	52,767	593	21,287	6,274	28,154	1,567	23	1,590	54,357
SAN LUIS OBISPO	1,184	7,402	4,994	13,580	170	753	319	1,242	65	3	68	13,648
SAN MATEO	220	1,512	251	1,983	34	137	0	171	542	10	552	2,535
SANTA BARBARA	3,396	17,248	20,415	41,059	300	15,416	3,008	18,724	201	15	216	41,275
SANTA CLARA	614	9,049	2,204	11,867	232	7,256	293	7,781	848	122	970	12,837
SANTA CRUZ	2,085	8,195	3,735	14,015	149	6,236	197	6,582	78	5	83	14,098
SHASTA	96	11,675	128	11,899	45	9,273	13	9,331	64	92	156	12,055
SIERRA	0	5	10	15	0	0	1	1	1	1	2	17
SISKIYOU	249	11,388	1,431	13,068	186	4,700	428	5,314	49	17	66	13,134
SOLANO	399	16,828	3,419	20,646	337	12,572	267	13,176	345	24	369	21,015
SONOMA	1,406	12,677	575	14,658	250	1,830	159	2,239	391	98	489	15,147
STANISLAUS	2,863	89,124	32,540	124,527	1,118	61,680	2,931	65,729	352	9	361	124,888
SUTTER	651	8,049	2,269	10,969	98	5,412	121	5,631	23	5	28	10,997
TEHAMA	120	4,915	1,432	6,467	68	1,502	145	1,715	31	4	35	6,502
TRINITY	0	0	296	296	0	0	96	96	8	2	10	306
TULARE	4,020	270,070	26,160	300,250	1,534	74,284	9,104	84,922	872	19	891	301,141
TUOLUMNE	0	766	0	766	0	66	0	66	7	3	10	776
VENTURA	3,779	8,893	13,842	26,514	327	744	2,407	3,478	539	24	563	27,077
YOLO	324	46,119	5,175	51,618	69	4,934	1,304	6,307	118	114	232	51,850
YUBA	105	4,031	505	4,641	53	2,614	72	2,739	176	3	179	4,820
** UNKNOWN **	4,259	133,906	229,341	367,506	168	33,064	8,717	41,949	20,589	656	21,245	388,751
TOTAL	68,369	1,877,205	675,881	2,621,455	20,389	954,701	123,628	1,098,718	54,003	5,685	59,688	2,681,143

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JULY-DECEMBER 2023
 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	408	118	195	720	199	91	91	381	208	27	104	339
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	11	9	27	47	6	6	8	20	5	4	19	27
BUTTE	1,334	422	2,427	4,183	767	97	1,924	2,787	567	325	504	1,395
CALAVERAS	13	8	14	35	10	5	11	26	3	3	3	9
COLUSA	1,437	469	2,647	4,553	763	338	2,515	3,616	675	131	132	938
CONTRA COSTA	622	254	289	1,166	208	53	139	401	414	201	150	765
DEL NORTE	2	1	1	4	1	0	0	1	1	1	1	3
EL DORADO	57	7	26	90	43	4	22	69	14	3	4	21
FRESNO	25,927	6,472	9,460	41,859	8,094	3,987	5,053	17,134	17,833	2,485	4,407	24,725
GLENN	875	149	2,728	3,752	301	121	2,252	2,674	574	28	476	1,079
HUMBOLDT	163	365	115	643	158	331	107	596	5	34	8	47
IMPERIAL	30,815	16,263	2,671	49,749	17,671	10,423	2,294	30,388	13,144	5,840	377	19,361
INYO	19	57	120	196	18	56	119	193	2	1	1	4
KERN	17,495	4,016	11,892	33,403	5,113	1,835	4,827	11,775	12,382	2,180	7,065	21,628
KINGS	17,197	2,178	3,180	22,555	12,979	683	1,906	15,568	4,218	1,494	1,274	6,987
LAKE	130	33	81	244	83	16	41	140	47	17	40	104
LASSEN	177	31	131	339	104	30	130	264	73	1	1	75
LOS ANGELES	1,918	1,247	1,002	4,167	1,497	988	515	3,001	421	259	487	1,166
MADERA	4,891	2,221	2,866	9,978	1,370	1,875	1,362	4,607	3,520	347	1,504	5,371
MARIN	137	56	70	263	131	55	64	250	6	1	6	13
MARIPOSA	2	4	3	9	0	2	1	3	2	2	2	6
MENDOCINO	174	81	161	416	153	64	141	358	21	17	20	58
MERCED	13,861	1,407	6,632	21,900	8,583	853	4,331	13,768	5,277	554	2,301	8,132
MODOC	578	157	130	866	438	152	130	721	140	5	0	145
MONO	36	23	14	74	32	23	14	70	4	0	0	4
MONTEREY	22,119	8,851	5,379	36,350	7,556	8,237	4,497	20,290	14,563	614	882	16,060
NAPA	3,379	28	71	3,478	3,370	21	64	3,455	9	7	7	22
NEVADA	77	14	14	105	33	6	8	47	44	8	6	58
ORANGE	1,617	438	625	2,680	912	163	298	1,373	705	275	327	1,307
PLACER	375	77	261	714	344	72	258	674	31	5	3	40
PLUMAS	6	4	2	12	5	2	1	8	1	2	1	4
RIVERSIDE	7,729	3,961	2,978	14,667	3,701	2,435	2,531	8,667	4,028	1,525	447	6,001
SACRAMENTO	4,389	522	1,730	6,641	3,078	265	850	4,192	1,312	258	880	2,449
SAN BENITO	1,378	135	171	1,684	127	95	100	322	1,251	40	71	1,363
SAN BERNARDINO	4,586	1,908	1,269	7,763	4,483	1,860	1,197	7,540	103	48	72	223
SAN DIEGO	3,040	4,612	1,869	9,521	2,552	4,526	1,787	8,865	488	86	82	656
SAN FRANCISCO	60	28	44	132	36	18	42	96	24	10	2	36
SAN JOAQUIN	6,823	1,415	6,750	14,988	2,581	534	4,380	7,495	4,241	881	2,370	7,493
SAN LUIS OBISPO	2,430	325	1,196	3,951	569	236	413	1,219	1,861	89	783	2,733
SAN MATEO	511	169	152	833	460	165	149	775	51	4	3	58
SANTA BARBARA	8,486	1,198	1,848	11,532	1,218	370	1,000	2,589	7,268	828	848	8,944
SANTA CLARA	2,620	676	946	4,242	1,132	572	806	2,510	1,488	104	140	1,732
SANTA CRUZ	5,029	613	1,203	6,845	2,070	444	935	3,449	2,959	170	268	3,396
SHASTA	634	217	390	1,241	591	194	350	1,135	42	24	40	106
SIERRA	7	2	0	9	2	1	0	3	5	1	0	6
SISKIYOU	634	319	399	1,352	385	209	391	985	249	110	8	367
SOLANO	2,189	409	1,143	3,740	1,267	270	818	2,355	922	139	325	1,386
SONOMA	2,705	897	516	4,118	2,639	780	322	3,742	66	117	194	376
STANISLAUS	15,499	2,473	11,074	29,046	4,837	1,495	9,379	15,711	10,662	978	1,695	13,335
SUTTER	1,019	69	792	1,881	506	66	717	1,290	513	3	75	591
TEHAMA	575	81	2,174	2,829	233	60	1,578	1,871	342	20	596	958
TRINITY	68	5	2	75	3	3	2	8	65	2	0	67
TULARE	8,603	2,729	4,190	15,523	1,995	1,379	2,000	5,374	6,609	1,350	2,190	10,148
TUOLUMNE	3	3	3	9	2	2	2	6	1	1	1	3
VENTURA	8,521	1,402	2,245	12,169	2,630	777	1,588	4,995	5,891	625	657	7,174
YOLO	2,087	322	1,947	4,356	986	224	901	2,111	1,101	98	1,046	2,245
YUBA	465	97	433	995	366	65	331	762	98	32	102	233
** UNKNOWN **	155,240	54,096	34,501	243,837	46,595	20,188	15,270	82,053	108,646	33,907	19,231	161,784
TOTAL	391,181	124,146	133,201	648,528	155,989	67,824	80,964	304,777	235,193	56,321	52,237	343,751

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2023
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	1	0	4	0	0	95	47	0	506	0	0	18	341	0	382
ALPINE	0	0	0	0	0	12	0	0	0	0	0	0	0	0	2	0	0	0
AMADOR	0	0	0	0	0	26	0	0	0	0	0	4	0	0	9	11	0	3
BUTTE	0	32,138	0	0	0	8,294	1,178	0	1,179	185	233	8,234	0	0	4,115	385	847	521
CALAVERAS	0	0	0	0	0	0	0	0	11	1	0	9	0	0	10	13	0	18
COLUSA	119	25,412	0	33	0	4,828	67	0	2,625	1,203	38	14,442	0	0	12,327	499	3,352	14
CONTRA COSTA	0	0	16	59	0	4	2	0	519	13	0	2,365	0	0	238	405	0	338
DEL NORTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	9	0
EL DORADO	0	18	0	18	0	5	2	0	58	4	0	32	0	0	5	37	0	187
FRESNO	108	11	3	262	127	1,264	68	0	22,281	3,031	515	72,417	40	0	3,743	37	17,672	1,362
GLENN	0	18,676	0	0	0	4,107	65	0	1,760	18	66	9,572	0	0	1,653	0	1,768	145
HUMBOLDT	0	0	0	0	0	0	0	0	0	7	0	7	0	0	2	0	0	336
IMPERIAL	937	0	52	8,858	0	2,504	586	0	4,993	177	265	44,191	0	0	49,339	0	14,701	256
INYO	0	0	0	0	0	0	0	0	247	212	0	51	0	0	29	0	50	0
KERN	235	0	350	60	5	810	327	0	11,511	1,340	96	55,525	0	0	3,142	201	13,103	825
KINGS	801	14	0	80	0	21	117	0	4,949	35	60	28,059	0	0	5,523	29	12,557	39
LAKE	0	0	0	0	0	50	16	0	207	61	0	77	0	0	27	0	186	4
LASSEN	0	0	0	0	0	444	0	0	2	0	0	278	0	0	502	0	312	2
LOS ANGELES	0	0	0	160	0	59	0	0	164	497	4	181	0	0	307	0	306	2,408
MADERA	0	11	0	1	0	281	37	0	11,632	53	702	22,504	0	0	909	53	3,239	17
MARIN	0	0	0	0	0	28	0	0	0	0	0	0	0	0	8	0	0	163
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0
MENDOCINO	0	492	0	0	0	50	63	0	131	1,002	0	63	0	0	9	0	420	158
MERCED	0	24	3	26	0	1,984	70	0	11,103	123	953	26,653	0	0	1,585	48	4,577	72
MODOC	0	0	201	0	0	1,894	213	0	35	0	5	315	0	89	1,577	0	37	82
MONO	0	0	0	0	0	30	0	0	0	0	0	8	0	0	35	0	2	11
MONTEREY	0	0	0	18,139	0	1,671	1,830	0	14,275	669	174	9,288	0	0	1,629	836	26,430	324
NAPA	0	0	0	0	0	1	8	0	295	82	0	79	0	0	5	0	161	99
NEVADA	0	53	0	0	0	31	0	0	3	0	0	0	0	0	8	0	39	179
ORANGE	0	0	2	298	0	28	0	0	856	159	4	600	0	18	164	0	1,117	1,461
PLACER	0	1,580	0	28	0	285	0	0	115	50	0	216	0	0	375	0	89	3,825
PLUMAS	0	0	0	0	0	5	0	0	0	0	0	8	0	0	15	0	2	5
RIVERSIDE	247	0	0	9,564	0	493	46	0	7,032	984	196	11,508	0	0	1,411	0	2,485	4,512
SACRAMENTO	303	1,709	0	0	0	325	263	0	916	372	747	3,736	0	0	823	17	3,990	2,281
SAN BENITO	0	0	0	153	0	2	0	0	1,209	90	0	70	0	0	16	0	1,720	36
SAN BERNARDINO	0	0	0	0	0	52	0	0	193	20	75	119	0	0	70	0	264	3,195
SAN DIEGO	0	1	526	147	0	116	25	0	699	2,612	60	430	0	0	181	0	1,684	2,376
SAN FRANCISCO	0	286	0	0	0	78	0	0	0	9	0	300	0	0	0	0	109	89
SAN JOAQUIN	0	0	0	8	0	3,054	314	0	13,873	316	2,349	23,403	0	0	39,250	5	8,774	2,127
SAN LUIS OBISPO	1	26	0	1,645	20	277	19	0	2,142	309	0	2,011	0	0	73	165	1,704	86
SAN MATEO	0	0	2	0	0	4	0	0	243	24	0	0	0	0	112	0	383	494
SANTA BARBARA	0	0	70	6,408	0	91	45	0	5,648	1,084	12	8,252	0	0	587	11	8,945	301
SANTA CLARA	0	0	0	90	0	65	4	0	940	67	9	415	0	0	190	0	2,109	875
SANTA CRUZ	0	0	0	568	0	117	0	8	476	267	8	237	0	0	116	0	6,479	232
SHASTA	0	0	28	27	0	1,112	8	0	248	38	0	38	0	0	2,115	80	148	121
SIERRA	0	0	0	0	0	0	0	0	0	0	0	12	0	0	23	0	2	2
SISKIYOU	0	0	0	0	0	1,137	217	0	744	1	38	195	0	3	1,929	0	133	294
SOLANO	791	936	25	1,502	0	2,625	362	1	1,130	17	203	6,249	0	0	1,547	1,327	9,849	415
SONOMA	0	96	3	189	0	9	48	5	407	428	0	41	0	0	72	0	4,189	426
STANISLAUS	4,535	0	0	0	77	12,044	201	0	25,505	2,925	280	42,709	38	0	11,018	0	4,850	546
SUTTER	36	35,611	20	30	0	5,829	15	0	2,963	430	430	7,699	16	0	1,972	458	4,209	37
TEHAMA	0	175	0	26	0	1,647	6	0	531	64	1	3,302	0	0	531	0	640	219
TRINITY	0	0	0	0	0	0	0	0	0	0	0	199	0	0	0	0	1	10
TULARE	470	0	0	27	1	1,508	217	0	11,975	1,059	41	24,792	0	0	4,471	27	12,174	590
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	3
VENTURA	0	0	0	2,288	0	169	1	0	6,638	1,284	0	2,158	0	0	305	11	7,933	561
YOLO	206	11,104	47	54	0	1,772	131	0	5,477	376	842	15,065	0	0	2,329	102	6,396	332
YUBA	0	4,913	0	868	0	1,573	0	0	778	8	50	1,044	5	0	413	0	328	137
** UNKNOWN **	0	0	0	0	0	20,705	580	164	67,732	5,259	1,351	111,156	0	0	16,138	1,020	138,936	24,964
TOTAL	8,789	133,286	1,374	51,573	230	83,529	7,151	178	246,545	27,012	9,807	560,852	99	110	173,005	5,293	330,264	58,507

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2023
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	4	26	0	7	0	42	77	26	41	4	7	7	115	107	49	261
ALPINE	0	0	3	0	0	0	0	0	0	6	0	0	0	0	0	0	0
AMADOR	0	3	0	1	0	0	0	11	5	3	0	0	0	22	22	0	4
BUTTE	0	608	2,296	0	2,822	0	1,110	40	32	4,351	929	274	2,461	4,098	129	110	1,036
CALAVERAS	0	0	0	0	0	0	5	3	8	5	0	0	0	12	4	8	11
COLUSA	0	1,875	2,567	26	1,569	0	1,717	158	5	121	355	746	619	5,947	292	5	2
CONTRA COSTA	0	0	0	0	387	0	114	97	49	48	1	26	24	254	154	111	311
DEL NORTE	0	0	1	0	0	0	0	0	7	2	0	0	0	1	0	0	2
EL DORADO	0	2	0	0	0	0	1	3	1	4	0	0	9	42	13	17	0
FRESNO	0	0	1,148	546	3,639	0	5,628	4,690	874	427	2,353	2,447	3,821	15,088	6,378	1,618	1,063
GLENN	0	671	1,325	0	124	0	1,151	45	42	129	186	173	2,409	6,305	646	44	9
HUMBOLDT	0	0	41	0	0	0	41	221	241	144	0	0	0	101	11	101	259
IMPERIAL	0	0	14,536	4,105	5,023	0	4,529	7,335	623	384	551	39	671	16,206	6,728	782	7
INYO	0	0	70	0	0	0	5	20	0	49	198	1	1	9	0	0	1
KERN	0	0	1,069	1,847	4,141	0	3,783	1,932	357	602	6,305	2,477	5,934	21,234	5,580	3,629	113
KINGS	0	0	1,064	1,788	2,616	0	1,562	490	7	149	277	361	248	2,517	2,811	8	10
LAKE	0	0	37	0	35	0	46	29	0	29	0	0	0	42	73	0	3
LASSEN	0	281	71	0	0	0	27	1	0	217	200	0	23	20	1	2	7
LOS ANGELES	1	0	195	1	147	1	203	406	345	651	39,600	43,930	76	259	238	499	1,004
MADERA	0	0	104	355	1,345	0	1,276	1,682	116	430	585	947	531	5,275	2,314	57	35
MARIN	0	0	1	0	0	0	0	6	10	50	1	0	0	0	2	15	165
MARIPOSA	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	2
MENDOCINO	0	0	14	0	160	0	114	15	86	61	43	26	94	322	19	79	343
MERCED	6	0	923	58	1,622	0	1,490	1,057	26	511	5,274	2,312	911	5,290	3,093	27	30
MODOC	0	2,052	1,565	0	366	0	74	4	14	1,147	127	0	631	108	0	5	0
MONO	0	0	217	0	0	0	0	0	0	0	24	0	0	1	0	0	1
MONTEREY	0	0	793	689	264	1	2,873	8,303	53	57	138	1,043	1,769	7,748	2,880	106	192
NAPA	0	6	26	1	34	1	172	8	19	19	4	32	103	303	7	18	60
NEVADA	0	52	0	0	0	0	20	1	15	13	0	0	1	0	0	18	17
ORANGE	0	0	12	0	22	5	309	272	225	157	79	192	17	361	291	116	438
PLACER	0	14	206	0	1	0	21	3	2,011	239	182	10	46	154	12	2,032	189
PLUMAS	0	0	0	0	0	0	7	0	0	4	0	0	0	3	0	2	5
RIVERSIDE	0	0	3,355	615	4,730	6	916	799	426	3,855	2,318	264	549	1,749	974	650	865
SACRAMENTO	0	146	75	0	378	0	1,035	255	183	218	282	248	131	2,563	1,125	221	626
SAN BENITO	0	0	0	1	20	0	209	128	0	6	0	122	45	164	132	2	6
SAN BERNARDINO	0	0	174	11	86	3	25	17	419	57	2	0	2	560	72	374	1,000
SAN DIEGO	12	3	166	40	2	18	401	377	201	4,188	158	234	2,346	1,235	331	208	495
SAN FRANCISCO	0	0	0	0	0	0	7	9	23	19	89	44	1	26	2	26	42
SAN JOAQUIN	0	6	132	56	2,640	6	2,222	613	329	904	1,531	654	1,965	9,899	2,890	383	717
SAN LUIS OBISPO	0	3	18	10	169	7	193	145	97	25	154	352	603	798	874	39	19
SAN MATEO	0	0	211	0	0	0	63	24	32	57	23	8	10	132	26	39	159
SANTA BARBARA	0	0	101	408	704	33	2,495	904	33	148	126	647	761	3,386	833	331	115
SANTA CLARA	0	0	27	2	109	2	361	123	478	167	0	251	90	527	299	468	499
SANTA CRUZ	5	0	7	3	3	1	279	596	19	13	4	46	292	458	966	35	57
SHASTA	0	731	584	1	1	0	187	15	13	899	535	6	134	122	24	25	88
SIERRA	0	5	0	0	0	0	0	1	0	24	2	0	0	0	0	0	0
SISKIYOU	0	1,141	2,634	0	30	0	75	105	40	2,102	354	16	875	402	1	74	61
SOLANO	0	465	798	0	3,600	0	537	82	120	75	526	287	352	2,749	636	104	117
SONOMA	0	11	25	1	154	3	155	772	97	121	19	14	250	677	238	133	160
STANISLAUS	0	118	3,462	26	3,557	0	2,020	705	399	3,459	5,567	1,485	4,924	14,587	1,958	950	204
SUTTER	0	1,625	2,154	0	2,897	0	549	4	9	796	473	400	835	88,589	113	12	15
TEHAMA	0	0	453	3	71	0	100	25	22	312	540	56	1,688	2,910	639	34	15
TRINITY	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	4	7
TULARE	0	0	275	1,818	1,804	0	3,205	1,848	189	633	1,450	1,451	2,346	4,994	5,120	274	116
TUOLUMNE	0	0	0	0	0	0	9	0	1	3	0	0	0	7	0	0	3
VENTURA	2	6	91	613	157	11	665	995	36	75	863	1,365	1,621	1,061	1,149	61	252
YOLO	0	1,400	620	0	4,801	0	1,572	190	12	221	268	402	586	3,897	1,116	47	129
YUBA	0	87	399	0	110	0	67	61	33	842	9	54	461	607	155	55	59
** UNKNOWN **	12	0	32,421	7,634	5,425	4	16,296	31,768	2,617	5,766	3,882	94	7,545	46,266	23,592	2,720	6,387
TOTAL	38	11,315	76,441	20,660	55,962	102	59,964	67,664	11,026	35,997	73,891	63,569	48,808	282,163	75,868	16,323	17,810

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2023

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	31	7	0	6	0	450	108	3,091
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	552	0	5	1	0
BUTTE	14	1	1,287	190	0	151	300	614	267	1,839
CALAVERAS	0	0	47	0	0	25	0	0	12	0
COLUSA	537	1	20,920	6,366	2,130	764	406	3,672	0	0
CONTRA COSTA	0	2	409	37	221	356	0	223	52	40
DEL NORTE	0	0	0	0	0	0	0	30	0	0
EL DORADO	0	1	17	360	0	9	0	4	9	0
FRESNO	245	146	170,334	3,895	9,005	2,808	9,250	37,168	89,944	43,474
GLENN	39	0	3,083	1,593	0	461	123	1,166	1	14,099
HUMBOLDT	0	0	8	5,018	0	0	0	39	444	0
IMPERIAL	12	88	2,343	104,417	0	1,797	5,166	28,654	995	47,023
INYO	0	4	0	0	0	25	0	192	0	0
KERN	620	55	426,051	12,139	29,933	13,733	6,688	68,122	1,252	222
KINGS	181	6	93,804	7,046	5,641	5,203	63,043	23,236	10	12,371
LAKE	0	0	392	0	0	4	0	432	1	5,550
LASSEN	0	2	279	120	0	114	0	247	0	0
LOS ANGELES	3	6	272	376	18,244	77	0	6,118	1,408	1
MADERA	0	9	4,331	235	18,739	769	344	4,472	30	3,687
MARIN	0	0	5	0	0	1	0	29	29	0
MARIPOSA	0	0	43	0	0	7	0	0	12	0
MENDOCINO	1	2	664	1,583	0	39	0	460	14	498
MERCED	31	4	33,629	1,318	3,948	4,464	2,331	7,901	2	45,191
MODOC	0	11	1,188	117	0	1,066	0	733	0	2,449
MONO	0	0	0	24	0	0	2	8	0	0
MONTEREY	10	14	8,444	38,156	0	300	322	13,374	13	77,226
NAPA	0	1	953	33	0	22	16	4,230	106	27,277
NEVADA	0	0	0	0	0	43	0	1	25	99
ORANGE	0	20	194	5	0	22	0	774	314	1
PLACER	0	0	50	1,693	0	9	0	210	80	49
PLUMAS	0	0	0	8,759	0	0	0	4	0	0
RIVERSIDE	0	17	8,545	399	17	222	0	12,833	691	14,366
SACRAMENTO	0	0	1,422	799	3,473	1,823	0	716	1,168	5,014
SAN BENITO	0	0	2,314	52,929	0	65	14	345	0	270
SAN BERNARDINO	0	4	210	0	106,162	0	0	684	5,936	23,839
SAN DIEGO	8	20	1,027	58	20	3	0	6,459	1,966	8,305
SAN FRANCISCO	0	0	1	177	0	0	0	30	2	0
SAN JOAQUIN	1	19	21,710	4,028	442	14,524	257	6,950	116	33
SAN LUIS OBISPO	36	10	834	23	3,937	45	0	940	23	4,971
SAN MATEO	1	27	38	277	0	1	0	426	55	1,634
SANTA BARBARA	2	14	11,459	19,565	0	327	1,861	6,574	53	733
SANTA CLARA	0	0	1,746	7,392	0	22	5	745	112	149
SANTA CRUZ	0	2	1,904	103	0	171	0	6,644	32	103
SHASTA	0	0	2,267	15,630	0	270	0	264	25	173
SIERRA	0	0	0	0	0	0	0	3	0	0
SISKIYOU	0	0	3,846	1,301	0	987	365	1,717	0	9,514
SOLANO	40	0	13,319	1,374	79,495	91	25	1,114	207	932
SONOMA	4	50	2,037	924	0	8	0	2,793	122	9,348
STANISLAUS	20	21	60,258	14,358	1,515	9,427	350	12,017	403	972
SUTTER	0	0	5,570	829	0	245	44	994	2	44
TEHAMA	0	0	997	1,577	0	4	0	427	38	661
TRINITY	0	0	82	0	0	14	0	0	0	24
TULARE	71	69	85,106	8,291	80	7,035	7,679	21,514	1,192	205,477
TUOLUMNE	0	0	0	594	0	0	0	0	1	1,794
VENTURA	1	33	374	9	0	655	1,354	8,556	115	11,578
YOLO	4	0	5,971	76	17,172	979	441	2,592	55	56,383
YUBA	0	0	3,914	230	0	25	0	151	1	0
** UNKNOWN **	0	3	29,006	7,605	0	8,296	2,092	31,118	6,947	3,666
TOTAL	1,881	662	1,032,735	332,035	300,174	78,066	102,478	329,174	114,391	644,170

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JANUARY-DECEMBER 2023
 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	183	3,590	1,240	5,013	83	276	135	494	576	86	662	5,675
ALPINE	0	23	0	23	0	0	0	0	0	0	0	23
AMADOR	20	592	59	671	2	543	12	557	7	3	10	681
BUTTE	2,637	29,024	48,328	79,989	281	1,687	589	2,557	594	1,072	1,666	81,655
CALAVERAS	53	21	66	140	47	0	25	72	54	3	57	197
COLUSA	15,491	45,210	55,036	115,737	3,787	25,281	3,598	32,666	28	0	28	115,765
CONTRA COSTA	153	1,057	4,779	5,989	11	449	567	1,027	558	85	643	6,632
DEL NORTE	0	5	30	35	0	0	30	30	2	16	18	53
EL DORADO	62	422	137	621	3	377	11	391	216	5	221	842
FRESNO	16,790	261,170	173,122	451,082	6,960	179,824	37,118	223,902	91,756	1,070	92,826	543,908
GLENN	1,792	36,472	33,140	71,404	337	5,556	572	6,465	247	2	249	71,653
HUMBOLDT	276	5,122	32	5,430	16	5,025	24	5,065	1,150	220	1,370	6,800
IMPERIAL	3,305	255,329	119,878	378,512	720	118,899	22,858	142,477	1,048	33	1,081	379,593
INYO	306	481	380	1,167	18	123	80	221	0	3	3	1,170
KERN	15,777	530,096	162,250	708,123	7,687	471,742	47,979	527,408	2,135	34	2,169	710,292
KINGS	1,585	148,450	126,865	276,900	926	109,539	82,054	192,519	52	7	59	276,959
LAKE	211	6,556	505	7,272	149	642	37	828	6	3	9	7,281
LASSEN	95	2,698	348	3,141	92	635	35	762	4	0	4	3,145
LOS ANGELES	86,063	24,638	1,281	111,982	813	5,747	292	6,852	4,151	1,806	5,957	117,939
MADERA	2,596	33,909	50,680	87,185	480	5,205	4,475	10,160	122	3	125	87,310
MARIN	0	81	0	81	0	35	0	35	314	21	335	416
MARIPOSA	1	0	53	54	0	0	50	50	14	4	18	72
MENDOCINO	2,015	2,975	1,269	6,259	449	2,115	187	2,751	413	79	492	6,751
MERCED	3,460	109,347	62,528	175,335	1,047	36,196	12,435	49,678	101	18	119	175,454
MODOC	529	14,193	1,281	16,003	245	2,545	325	3,115	102	0	102	16,105
MONO	2	332	17	351	0	26	8	34	11	0	11	362
MONTEREY	9,479	156,331	73,482	239,292	4,909	50,703	5,008	60,620	624	13	637	239,929
NAPA	759	34,802	1,674	37,235	390	4,102	763	5,255	283	7	290	37,525
NEVADA	24	219	113	356	0	0	44	44	163	96	259	615
ORANGE	1,353	920	3,549	5,822	285	195	535	1,015	1,909	582	2,491	8,313
PLACER	198	3,286	2,103	5,587	118	1,716	128	1,962	8,036	41	8,077	13,664
PLUMAS	3	8,781	19	8,803	0	8,759	4	8,763	10	4	14	8,817
RIVERSIDE	4,937	39,691	45,719	90,347	1,507	12,716	7,793	22,016	7,450	308	7,758	98,105
SACRAMENTO	1,232	17,988	15,257	34,477	483	2,340	2,252	5,075	2,843	1,244	4,087	38,564
SAN BENITO	2,566	54,815	3,413	60,794	2,337	53,147	183	55,667	50	0	50	60,844
SAN BERNARDINO	5,054	127,031	599	132,684	428	460	10	898	11,220	300	11,520	144,204
SAN DIEGO	11,100	15,491	2,726	29,317	4,892	2,123	560	7,575	7,409	188	7,597	36,914
SAN FRANCISCO	159	354	655	1,168	4	178	26	208	171	17	188	1,356
SAN JOAQUIN	3,189	85,652	74,171	163,012	1,447	29,549	16,493	47,489	3,436	103	3,539	166,551
SAN LUIS OBISPO	2,413	10,620	9,645	22,678	495	943	450	1,888	141	3	144	22,822
SAN MATEO	723	2,606	256	3,585	475	295	0	770	817	18	835	4,420
SANTA BARBARA	5,286	39,790	37,455	82,531	753	31,291	7,758	39,802	504	23	527	83,058
SANTA CLARA	1,266	11,766	3,790	16,822	788	8,693	429	9,910	1,509	204	1,713	18,535
SANTA CRUZ	2,867	11,340	5,391	19,598	260	8,182	382	8,824	642	11	653	20,251
SHASTA	767	24,375	511	25,653	631	17,778	22	18,431	168	96	264	25,917
SIERRA	4	52	16	72	2	0	1	3	1	1	2	74
SISKIYOU	1,284	26,218	2,348	29,850	1,123	6,171	922	8,216	417	23	440	30,290
SOLANO	1,961	25,704	105,551	133,216	1,347	13,624	992	15,963	809	67	876	134,092
SONOMA	2,754	17,745	2,473	22,972	650	4,474	692	5,816	852	160	1,012	23,984
STANISLAUS	9,032	135,642	103,429	248,103	3,546	78,048	15,046	96,640	941	226	1,167	249,270
SUTTER	2,476	23,644	139,817	165,937	433	6,544	705	7,682	65	11	76	166,013
TEHAMA	496	11,202	5,687	17,385	219	2,579	207	3,005	295	26	321	17,706
TRINITY	0	24	296	320	0	0	96	96	24	2	26	346
TULARE	11,175	322,971	83,475	417,621	3,775	102,786	23,204	129,765	1,923	44	1,967	419,588
TUOLUMNE	0	2,388	43	2,431	0	594	0	594	7	4	11	2,442
VENTURA	8,237	19,494	26,739	54,470	1,485	1,628	7,869	10,982	870	92	962	55,432
YOLO	2,060	72,954	67,551	142,565	645	6,563	2,855	10,063	363	164	527	143,092
YUBA	501	8,550	8,390	17,441	149	4,031	140	4,320	224	3	227	17,668
** UNKNOWN **	8,634	202,275	415,286	626,195	564	57,521	20,035	78,120	36,828	3,487	40,315	666,510
TOTAL	255,391	3,026,514	2,084,933	5,366,838	58,293	1,490,200	329,100	1,877,593	194,665	12,141	206,806	5,573,644

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JANUARY-DECEMBER 2023
 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	923	201	345	1,469	414	150	163	727	509	51	182	742
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	25	20	45	91	17	10	17	44	8	11	28	47
BUTTE	15,234	3,792	7,684	26,710	4,706	2,127	6,453	13,286	10,529	1,664	1,231	13,424
CALAVERAS	41	21	26	88	26	14	19	59	15	7	7	29
COLUSA	21,483	4,183	4,705	30,371	8,674	2,500	3,450	14,624	12,809	1,683	1,254	15,747
CONTRA COSTA	1,771	420	561	2,753	567	127	272	966	1,204	293	289	1,786
DEL NORTE	10	9	3	21	3	1	2	5	7	8	1	16
EL DORADO	252	16	58	326	223	11	49	283	29	5	9	43
FRESNO	55,803	13,718	24,736	94,257	12,573	5,342	10,264	28,178	43,230	8,376	14,472	66,078
GLENN	10,938	2,112	6,429	19,479	2,904	1,639	5,452	9,995	8,034	473	977	9,484
HUMBOLDT	394	647	238	1,279	338	500	221	1,059	56	147	17	220
IMPERIAL	58,727	23,982	23,630	106,339	33,576	13,144	9,253	55,973	25,150	10,839	14,377	50,366
INYO	163	62	159	384	97	61	158	316	66	1	1	68
KERN	43,342	9,644	34,676	87,662	9,324	3,116	12,046	24,485	34,018	6,528	22,630	63,176
KINGS	26,437	4,651	5,316	36,404	14,083	927	2,876	17,886	12,354	3,724	2,440	18,518
LAKE	292	110	114	516	180	72	50	303	111	38	64	213
LASSEN	780	121	275	1,176	663	117	274	1,054	117	4	1	122
LOS ANGELES	10,444	2,111	29,923	42,478	9,729	1,722	29,147	40,599	715	389	776	1,879
MADERA	14,626	4,154	8,262	27,042	2,042	2,584	2,656	7,282	12,584	1,570	5,606	19,760
MARIN	173	67	85	324	166	66	76	307	7	1	9	17
MARIPOSA	2	4	3	9	0	2	1	3	2	2	2	6
MENDOCINO	910	338	484	1,732	693	215	345	1,253	217	122	140	478
MERCED	25,527	3,648	10,613	39,787	11,318	1,498	5,976	18,792	14,209	2,150	4,638	20,996
MODOC	2,013	1,441	1,139	4,593	1,828	1,309	1,139	4,276	185	131	0	317
MONO	62	113	15	190	58	113	15	187	4	0	0	4
MONTEREY	37,611	12,151	9,980	59,742	10,753	9,655	6,395	26,803	26,858	2,496	3,585	32,939
NAPA	3,735	244	391	4,370	3,524	109	166	3,799	211	135	225	571
NEVADA	248	59	33	340	150	49	27	225	98	10	6	114
ORANGE	3,093	977	1,058	5,128	1,991	479	476	2,946	1,102	497	582	2,182
PLACER	4,591	2,195	2,467	9,254	4,135	2,187	2,448	8,770	456	8	19	484
PLUMAS	18	12	7	37	13	7	3	23	5	5	4	14
RIVERSIDE	16,687	7,242	6,750	30,679	7,607	4,105	5,251	16,963	9,080	3,137	1,499	13,716
SACRAMENTO	10,701	1,944	4,411	17,057	5,606	577	2,388	8,571	5,095	1,368	2,023	8,485
SAN BENITO	2,814	350	347	3,511	1,074	203	192	1,469	1,740	147	155	2,042
SAN BERNARDINO	10,016	3,639	2,677	16,331	9,739	3,567	2,543	15,848	277	72	134	483
SAN DIEGO	5,336	5,255	2,790	13,382	4,397	5,134	2,668	12,199	939	122	122	1,183
SAN FRANCISCO	369	58	110	537	200	38	86	324	169	20	24	213
SAN JOAQUIN	40,730	4,602	12,717	58,050	22,931	1,358	6,900	31,190	17,799	3,244	5,817	26,860
SAN LUIS OBISPO	3,682	585	2,171	6,438	871	365	757	1,993	2,811	220	1,414	4,445
SAN MATEO	1,000	285	257	1,541	940	279	251	1,470	59	6	6	71
SANTA BARBARA	14,788	3,975	4,911	23,674	4,744	2,196	3,153	10,093	10,045	1,779	1,758	13,581
SANTA CLARA	3,834	1,183	1,628	6,645	2,002	976	1,330	4,308	1,832	207	298	2,338
SANTA CRUZ	7,129	916	1,512	9,557	3,702	648	1,198	5,548	3,427	268	314	4,008
SHASTA	1,750	698	1,066	3,514	1,639	648	987	3,273	112	50	79	241
SIERRA	19	2	15	36	12	1	15	28	7	1	0	8
SISKIYOU	2,256	1,840	2,190	6,285	1,935	1,708	2,179	5,822	321	132	11	464
SOLANO	20,653	4,115	4,682	29,449	3,871	794	1,561	6,227	16,781	3,320	3,121	23,222
SONOMA	4,891	1,214	1,158	7,262	4,552	946	571	6,069	339	268	586	1,193
STANISLAUS	38,509	6,254	20,217	64,980	12,520	2,802	14,741	30,062	25,989	3,452	5,476	34,918
SUTTER	17,687	2,993	89,339	110,019	5,591	1,805	2,100	9,495	12,096	1,188	87,239	100,524
TEHAMA	2,716	409	3,745	6,870	1,097	298	2,963	4,358	1,619	112	782	2,512
TRINITY	75	10	6	91	10	8	6	24	65	2	0	67
TULARE	26,273	6,994	12,493	45,760	5,428	2,086	6,947	14,461	20,845	4,908	5,546	31,299
TUOLUMNE	12	13	10	35	2	2	2	6	10	11	8	29
VENTURA	13,807	2,187	3,354	19,347	6,094	1,129	2,424	9,646	7,713	1,058	930	9,701
YOLO	18,483	4,379	5,360	28,223	3,735	913	1,624	6,272	14,749	3,466	3,736	21,950
YUBA	2,827	470	1,440	4,737	935	375	1,256	2,566	1,892	96	184	2,171
** UNKNOWN **	228,392	74,856	78,142	381,390	72,490	26,759	26,823	126,073	155,902	48,097	51,319	255,317
TOTAL	835,106	227,693	436,956	1,499,756	318,495	109,573	190,806	618,875	516,611	118,120	246,150	880,882