

# FERTILIZING MATERIALS TONNAGE REPORT

JANUARY – JUNE 2020



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

SACRAMENTO, CALIFORNIA 95814



CALIFORNIA DEPARTMENT OF  
FOOD & AGRICULTURE

Karen Ross, Secretary

## FOREWORD

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

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

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

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

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

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

Sincerely,

Original Signed by 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 2018	JAN-JUNE 2019	JULY-DEC 2019	JAN-JUNE 2020	JULY-JUNE 2018-2019	JULY-JUNE 2019-2020
2	ANHYDROUS AMMONIA	7,136	5,753	3,402	5,980	12,889	9,382
6	AQUA AMMONIA	11,710	132,223	13,527	139,058	143,933	152,585
10	AMMONIUM NITRATE	448	941	946	1,938	1,389	2,884
12	AMMONIUM NITRATE SOLUTION	19,070	22,348	21,149	21,932	41,418	43,081
20	AMMONIUM POLYSULFIDE	0	4,364	352	2,680	4,364	3,032
24	AMMONIUM SULFATE	26,755	52,470	32,911	69,179	79,225	102,090
31	AMMONIUM THIOSULFATE	13,145	38,609	13,364	37,697	51,754	51,061
35	CALCIUM AMMONIUM NITRATE SOLUTION	40,895	112,692	42,485	132,568	153,587	175,053
43	CALCIUM NITRATE	4,618	13,543	6,510	16,445	18,161	22,955
58	NITROGEN SOLUTION 28%	3,912	2,642	986	2,044	6,554	3,030
60	NITROGEN SOLUTION 32%	172,180	387,119	146,836	403,806	559,299	550,642
62	SODIUM NITRATE	157	102	86	143	259	229
64	SULFUR COATED UREA	10	10	7	489	20	496
66	UREA	35,782	77,885	49,464	95,612	113,667	145,076
67	UREA SOLUTION	1,560	5,120	4,388	2,118	6,680	6,506
0	NON-FARM USE NITROGEN	25,306	38,735	16,273	26,908	64,041	43,181
98	NITROGEN MATERIALS - COMPOST	2,938	3,381	5,190	7,060	6,319	12,250
203	DIAMMONIUM PHOSPHATE	18	37	264	2,955	55	3,219
207	AMMONIUM PHOSPHATE SULFATE	6,235	9,880	4,649	14,403	16,115	19,052
209	MONOAMMONIUM PHOSPHATE	29,456	27,672	29,248	23,909	57,128	53,157
248	PHOSPHORIC ACID	8,036	10,739	4,663	10,312	18,775	14,975
249	LIQUID AMMONIUM POLYPHOSPHATE	22,699	40,750	16,327	35,191	63,449	51,518
263	NORMAL SUPERPHOSPHATE	1	2	0	0	3	0
267	TRIPLE SUPERPHOSPHATE	1,229	307	127	253	1,536	380
0	NON-FARM USE PHOSPHORUS	16,354	12,133	9,444	20,519	28,487	29,963
298	PHOSPHORUS MATERIALS - COMPOST	2,169	3,729	7,301	2,312	5,898	9,613
428	MURIATE OF POTASH	26,170	21,366	19,231	36,923	47,536	56,154
443	SULFATE OF POTASH MAGNESIA	14,095	27,240	13,308	17,787	41,335	31,095
453	POTASSIUM NITRATE	2,849	4,208	3,229	4,592	7,057	7,821
463	POTASSIUM SULFATE	56,227	47,774	55,936	69,939	104,001	125,875
0	NON-FARM USE POTASH	6,118	7,150	6,663	11,917	13,268	18,580
498	POTASSIUM MATERIALS - COMPOST	3,104	1,949	5,300	1,729	5,053	7,029
601	BLOOD MEAL	10	49	2,558	119	59	2,677
667	SEWAGE SLUDGE	110,072	86,455	146,295	107,253	196,527	253,548
723	COPPER - ALL MATERIALS	390	866	689	3,306	1,256	3,995
731	IRON - ALL MATERIALS	1,508	1,232	1,499	1,245	2,740	2,744
732	GYPSUM - ALL MATERIALS	816,493	528,625	955,726	820,461	1,345,118	1,776,187
770	SULFUR	63,012	44,534	66,605	66,376	107,546	132,981
774	SULFURIC ACID	80,613	77,659	76,526	72,608	158,272	149,134
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	163,063	244,735	173,732	266,496	407,798	440,228
907	LIMING MATERIALS - ALL MATERIALS	227,783	108,784	178,260	108,988	336,567	287,248
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	9,109	13,170	27,394	18,829	22,279	46,211
613	OIM BULK COMPOST - NO NUTRIENTS	310,625	137,447	271,757	209,056	448,072	480,813
0	TOTAL	2,343,060	2,356,879	2,434,607	2,893,123	4,699,939	5,327,730

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 2018 N	JUL-DEC 2018 P2O5	JUL-DEC 2018 K2O	JUL-DEC 2019 N	JUL-DEC 2019 P2O5	JUL-DEC 2019 K2O
0	NON-FARM USE NITROGEN	25,306	0	0	16,273	0	0
0	NON-FARM USE PHOSPHORUS	0	16,354	0	0	9,444	0
0	NON-FARM USE POTASH	0	0	6,118	0	0	6,663
2	ANHYDROUS AMMONIA	5,852	0	0	2,790	0	0
6	AQUA AMMONIA	2,342	0	0	2,705	0	0
10	AMMONIUM NITRATE	152	0	0	322	0	0
12	AMMONIUM NITRATE SOLUTION	3,814	0	0	4,230	0	0
20	AMMONIUM POLYSULFIDE	0	0	0	70	0	0
24	AMMONIUM SULFATE	5,619	0	0	6,911	0	0
31	AMMONIUM THIOSULFATE	1,577	0	0	1,604	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	6,952	0	0	7,222	0	0
43	CALCIUM NITRATE	693	0	0	977	0	0
58	NITROGEN SOLUTION 28%	1,095	0	0	276	0	0
60	NITROGEN SOLUTION 32%	55,098	0	0	46,988	0	0
62	SODIUM NITRATE	25	0	0	14	0	0
64	SULFUR COATED UREA	4	0	0	3	0	0
66	UREA	16,460	0	0	22,753	0	0
67	UREA SOLUTION	312	0	0	878	0	0
97	NITROGEN MATERIALS - ALL OTHER	91,496	0	0	97,530	0	0
98	NITROGEN MATERIALS - COMPOST	2,938	0	0	5,190	0	0
203	DIAMMONIUM PHOSPHATE	3	8	0	48	121	0
207	AMMONIUM PHOSPHATE SULFATE	998	1,247	0	744	930	0
209	MONOAMMONIUM PHOSPHATE	3,240	15,317	0	3,217	15,209	0
248	PHOSPHORIC ACID	0	4,339	0	0	2,518	0
249	LIQUID AMMONIUM POLYPHOSPHATE	2,270	7,718	0	1,633	5,551	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	565	0	0	58	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	41,187	0	0	32,383	0
298	PHOSPHORUS MATERIALS - COMPOST	0	2,169	0	0	7,301	0
428	MURIATE OF POTASH	0	0	15,702	0	0	11,539
443	SULFATE OF POTASH MAGNESIA	0	0	3,101	0	0	2,928
453	POTASSIUM NITRATE	399	0	1,254	452	0	1,421
463	POTASSIUM SULFATE	0	0	28,114	0	0	27,968
497	POTASSIUM MATERIALS - ALL OTHER	0	0	55,576	0	0	38,966
498	POTASSIUM MATERIALS - COMPOST	0	0	3,104	0	0	5,300
601	BLOOD MEAL	1	0	0	307	0	0
667	SEWAGE SLUDGE	6,604	2,201	1,101	8,778	2,926	1,463
0	TOTAL	233,249	91,107	114,069	231,913	76,442	96,247

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**TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST**  
**TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED**

CODE	MATERIAL NAME	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE
		2019 N	2019 P2O5	2019 K2O	2020 N	2020 P2O5	2020 K2O
0	NON-FARM USE NITROGEN	38,735	0	0	26,908	0	0
0	NON-FARM USE PHOSPHORUS	0	12,133	0	0	20,519	0
0	NON-FARM USE POTASH	0	0	7,150	0	0	11,917
2	ANHYDROUS AMMONIA	4,717	0	0	4,904	0	0
6	AQUA AMMONIA	26,445	0	0	27,812	0	0
10	AMMONIUM NITRATE	320	0	0	659	0	0
12	AMMONIUM NITRATE SOLUTION	4,470	0	0	4,386	0	0
20	AMMONIUM POLYSULFIDE	873	0	0	536	0	0
24	AMMONIUM SULFATE	11,019	0	0	14,528	0	0
31	AMMONIUM THIOSULFATE	4,633	0	0	4,524	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	19,158	0	0	22,537	0	0
43	CALCIUM NITRATE	2,031	0	0	2,467	0	0
58	NITROGEN SOLUTION 28%	740	0	0	572	0	0
60	NITROGEN SOLUTION 32%	123,878	0	0	129,218	0	0
62	SODIUM NITRATE	16	0	0	23	0	0
64	SULFUR COATED UREA	4	0	0	176	0	0
66	UREA	35,827	0	0	43,982	0	0
67	UREA SOLUTION	1,024	0	0	424	0	0
97	NITROGEN MATERIALS - ALL OTHER	126,314	0	0	147,393	0	0
98	NITROGEN MATERIALS - COMPOST	3,381	0	0	7,060	0	0
203	DIAMMONIUM PHOSPHATE	7	17	0	532	1,359	0
207	AMMONIUM PHOSPHATE SULFATE	1,581	1,976	0	2,304	2,881	0
209	MONOAMMONIUM PHOSPHATE	3,044	14,389	0	2,630	12,433	0
248	PHOSPHORIC ACID	0	5,799	0	0	5,568	0
249	LIQUID AMMONIUM POLYPHOSPHATE	4,075	13,855	0	3,519	11,965	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	141	0	0	116	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	55,810	0	0	75,790	0
298	PHOSPHORUS MATERIALS - COMPOST	0	3,729	0	0	2,312	0
428	MURIATE OF POTASH	0	0	12,820	0	0	22,154
443	SULFATE OF POTASH MAGNESIA	0	0	5,993	0	0	3,913
453	POTASSIUM NITRATE	589	0	1,852	643	0	2,020
463	POTASSIUM SULFATE	0	0	23,887	0	0	34,970
497	POTASSIUM MATERIALS - ALL OTHER	0	0	73,714	0	0	104,132
498	POTASSIUM MATERIALS - COMPOST	0	0	1,949	0	0	1,729
601	BLOOD MEAL	6	0	0	14	0	0
667	SEWAGE SLUDGE	5,187	1,729	865	6,435	2,145	1,073
0	TOTAL	418,073	109,579	128,228	454,184	135,088	181,908

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**TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST**  
**TOTAL TONS OF NUTRIENTS REPORTED FOR THE PERIOD INDICATED**

CODE	MATERIAL NAME	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE
		18-19 N	18-19 P2O5	18-19 K2O	19-20 N	19-20 P2O5	19-20 K2O
0	NON-FARM USE NITROGEN	64,041	0	0	43,181	0	0
0	NON-FARM USE PHOSPHORUS	0	28,487	0	0	29,963	0
0	NON-FARM USE POTASH	0	0	13,268	0	0	18,580
2	ANHYDROUS AMMONIA	10,569	0	0	7,693	0	0
6	AQUA AMMONIA	28,787	0	0	30,517	0	0
10	AMMONIUM NITRATE	472	0	0	981	0	0
12	AMMONIUM NITRATE SOLUTION	8,284	0	0	8,616	0	0
20	AMMONIUM POLYSULFIDE	873	0	0	606	0	0
24	AMMONIUM SULFATE	16,637	0	0	21,439	0	0
31	AMMONIUM THIOSULFATE	6,210	0	0	6,127	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	26,110	0	0	29,759	0	0
43	CALCIUM NITRATE	2,724	0	0	3,443	0	0
58	NITROGEN SOLUTION 28%	1,835	0	0	848	0	0
60	NITROGEN SOLUTION 32%	178,976	0	0	176,205	0	0
62	SODIUM NITRATE	41	0	0	37	0	0
64	SULFUR COATED UREA	7	0	0	179	0	0
66	UREA	52,287	0	0	66,735	0	0
67	UREA SOLUTION	1,336	0	0	1,301	0	0
97	NITROGEN MATERIALS - ALL OTHER	217,810	0	0	244,923	0	0
98	NITROGEN MATERIALS - COMPOST	6,319	0	0	12,250	0	0
203	DIAMMONIUM PHOSPHATE	10	25	0	579	1,481	0
207	AMMONIUM PHOSPHATE SULFATE	2,578	3,223	0	3,048	3,810	0
209	MONOAMMONIUM PHOSPHATE	6,284	29,707	0	5,847	27,642	0
248	PHOSPHORIC ACID	0	10,139	0	0	8,087	0
249	LIQUID AMMONIUM POLYPHOSPHATE	6,345	21,573	0	5,152	17,516	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	707	0	0	175	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	96,997	0	0	108,173	0
298	PHOSPHORUS MATERIALS - COMPOST	0	5,898	0	0	9,613	0
428	MURIATE OF POTASH	0	0	28,522	0	0	33,692
443	SULFATE OF POTASH MAGNESIA	0	0	9,094	0	0	6,841
453	POTASSIUM NITRATE	988	0	3,105	1,095	0	3,441
463	POTASSIUM SULFATE	0	0	52,001	0	0	62,938
497	POTASSIUM MATERIALS - ALL OTHER	0	0	129,290	0	0	143,098
498	POTASSIUM MATERIALS - COMPOST	0	0	5,053	0	0	7,029
601	BLOOD MEAL	7	0	0	321	0	0
667	SEWAGE SLUDGE	11,792	3,931	1,965	15,213	5,071	2,536
0	TOTAL	651,322	200,686	242,297	686,097	211,530	278,155

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE  
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST  
 JANUARY-JUNE 2020  
 TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN	
ALAMEDA	0	5	19	0	0	52	25	0	6	9	0	442	0	0	107	0	198	0	255	
ALPINE	0	0	0	0	0	12	0	0	0	0	0	0	0	0	2	0	0	0	0	
AMADOR	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4	0	44	0	0	
BUTTE	0	31,790	0	0	0	11,363	1,324	0	4,994	190	0	14,745	2	0	3,493	102	1,067	20	888	
CALAVERAS	0	0	0	0	0	18	25	0	20	0	0	4	0	0	5	0	5	0	6	
COLUSA	378	34,844	0	0	0	4,430	116	0	5,869	1	0	14,401	0	0	3,750	50	2,328	40	4	
CONTRA COSTA	0	128	15	52	0	118	253	0	276	15	0	1,832	0	0	1,939	0	1,300	0	397	
DEL NORTE	0	0	0	0	0	5	0	0	0	89	0	0	0	0	11	0	4	0	2	
EL DORADO	0	0	0	0	0	38	1	0	1	9	0	0	0	0	13	0	61	0	43	
FRESNO	110	50	8	2	194	4,999	13,122	0	13,501	3,075	34	63,053	5	0	10,456	668	28,135	527	460	
GLENN	0	20,313	28	0	0	4,655	48	0	1,065	20	0	10,556	0	0	620	48	1,732	2	15	
HUMBOLDT	0	0	0	0	0	0	0	13	3	87	0	0	0	0	0	0	139	44	1,313	
IMPERIAL	1,373	0	54	2,652	0	5,157	126	31	4,033	2	865	27,251	52	0	31,955	0	7,642	526	0	
INYO	0	0	0	0	0	5	0	0	12	59	0	0	0	0	39	0	38	0	0	
KERN	89	1	14	63	1,168	1,369	5,882	0	6,908	423	148	65,901	0	0	1,605	156	9,022	809	348	
KINGS	1,155	11	0	0	0	155	1,669	0	3,660	166	38	28,720	0	0	1,092	71	1,868	78	243	
LAKE	0	0	0	0	0	104	0	0	140	0	0	67	0	0	20	0	164	7	18	
LASSEN	0	0	0	134	0	17	6	0	735	52	0	77	0	0	228	0	7	0	2	
LOS ANGELES	0	127	3	426	0	263	59	0	716	18	0	85	0	0	235	0	855	0	4,576	
MADERA	0	15	365	737	0	131	1,553	0	10,425	180	2	25,189	0	0	916	167	5,537	22	6	
MARIN	0	0	1	0	0	9	0	0	0	0	0	0	0	0	0	0	71	0	114	
MARIPOSA	0	0	0	0	0	0	8	0	1	0	0	3	0	0	0	0	0	0	0	
MENDOCINO	0	439	0	0	0	54	0	0	21	58	0	16	0	0	247	0	232	93	413	
MERCED	16	2	3	461	83	964	3,255	0	12,133	6,616	0	15,159	0	0	1,076	16	7,788	57	92	
MODOC	0	0	0	27	0	827	43	0	20	0	0	184	0	0	441	823	0	0	126	
MONO	0	0	0	0	0	212	0	0	0	0	0	2	0	0	30	0	4	0	0	
MONTEREY	0	0	302	9,633	0	555	953	40	6,800	367	198	3,368	0	0	915	410	21,185	1	118	
NAPA	0	0	7	0	0	5	0	0	231	113	0	31	0	0	30	0	314	3	56	
NEVADA	0	0	0	0	3	8	9	0	0	1	0	4	0	0	0	0	13	0	90	
ORANGE	0	0	9	53	0	264	156	0	231	16	0	71	0	0	188	2	1,147	0	804	
PLACER	0	1,539	0	158	3	352	4	0	1	9	0	337	0	0	70	0	396	89	422	
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	5	
RIVERSIDE	28	0	150	1,659	0	747	43	0	3,656	148	0	11,082	0	0	1,602	1	2,415	2,424	2,306	
SACRAMENTO	438	1,395	3	0	692	270	144	0	1,024	412	0	2,413	0	0	940	0	2,115	0	1,296	
SAN BENITO	0	0	0	4	0	7	2	0	436	30	7	43	0	0	46	0	337	401	10	
SAN BERNARDINO	0	0	0	8	0	1,132	5	0	19	7	0	189	0	0	953	1	415	58	3,003	
SAN DIEGO	0	0	912	57	0	192	17	0	240	305	0	158	0	0	174	2	2,043	2	1,091	
SAN FRANCISCO	0	329	0	0	0	131	0	0	0	0	0	5	0	0	38	0	6	0	41	
SAN JOAQUIN	104	0	24	70	0	3,554	2,036	0	9,266	281	1	12,600	0	0	2,515	39	13,197	0	2,206	
SAN LUIS OBISPO	0	26	0	578	0	353	146	0	854	136	52	438	0	2	62	33	1,815	6	50	
SAN MATEO	0	93	2	0	0	186	34	0	0	26	1	39	0	0	18	0	430	0	290	
SANTA BARBARA	0	0	0	3,572	0	295	959	0	1,431	345	0	5,312	0	0	1,463	110	2,935	654	158	
SANTA CLARA	0	0	0	3	0	164	36	0	5	12	0	236	0	0	105	0	2,139	40	555	
SANTA CRUZ	0	0	0	15	0	268	0	25	0	35	0	5	0	0	42	0	749	0	106	
SHASTA	0	12	6	291	0	818	0	0	56	6	0	46	0	0	900	0	71	0	25	
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	
SISKIYOU	0	0	1	0	0	775	91	0	376	0	0	299	0	45	1,236	0	138	0	386	
SOLANO	904	281	0	0	0	2,027	0	0	1,296	75	0	4,929	0	0	432	0	857	94	163	
SONOMA	0	102	8	25	0	52	0	10	290	321	0	59	0	0	113	0	747	31	725	
STANISLAUS	483	0	0	13	11	6,762	2,336	0	22,117	620	5	30,298	0	0	4,865	0	4,403	0	548	
SUTTER	0	31,308	0	63	323	7,886	391	0	1,659	465	287	7,694	14	0	2,175	12	641	23	4	
TEHAMA	0	276	0	0	0	2,454	19	0	325	114	0	2,474	26	0	124	0	393	0	102	
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13
TULARE	811	2	4	2	0	1,771	2,182	0	4,903	1,384	67	23,121	0	0	2,755	225	9,726	938	140	
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
VENTURA	0	174	0	526	0	70	89	0	2,303	87	23	1,145	0	1	425	5	3,764	15	350	
YOLO	91	9,795	0	0	203	1,883	233	0	9,004	32	0	27,696	0	0	12,869	0	2,890	26	179	
YUBA	0	5,089	0	648	0	1,187	122	0	926	25	316	1,562	44	0	828	0	156	27	43	
** UNKNOWN **	0	912	0	0	0	52	175	0	580	4	0	378	0	0	160	0	3,897	0	2,298	
<b>TOTAL</b>	<b>5,980</b>	<b>139,058</b>	<b>1,938</b>	<b>21,932</b>	<b>2,680</b>	<b>69,179</b>	<b>37,697</b>	<b>119</b>	<b>132,568</b>	<b>16,445</b>	<b>2,044</b>	<b>403,806</b>	<b>143</b>	<b>489</b>	<b>95,612</b>	<b>2,118</b>	<b>147,393</b>	<b>7,060</b>	<b>26,908</b>	

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 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	1	43	3	0	4	0	0	7	60	0	41	0	1	8	10	0	292	
ALPINE	0	0	3	0	0	0	0	0	0	0	6	0	0	0	0	0	0	
AMADOR	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	
BUTTE	5	700	1,893	0	3,188	0	1	887	21	1,189	3,146	124	98	6,857	1,336	22	1,073	
CALAVERAS	0	0	2	0	0	0	0	5	0	2	14	0	0	26	6	0	2	
COLUSA	56	2,317	1,647	25	2,852	0	0	1,477	40	3	218	512	62	763	2,659	43	2	
CONTRA COSTA	1	523	14	6	116	0	2	511	0	119	84	15	6	961	0	0	231	
DEL NORTE	0	0	1	6	0	0	0	0	0	0	5	0	0	1	0	0	1	
EL DORADO	0	0	4	0	0	0	1	28	0	11	0	37	15	34	21	0	13	
FRESNO	419	619	466	674	2,047	0	24	11,418	266	105	6,865	4,017	282	5,778	12,703	261	180	
GLENN	52	660	1,845	0	43	0	0	1,857	3	0	268	44	3,655	5,928	3	1	1	
HUMBOLDT	8	0	0	0	0	0	0	42	4	1,522	2	1	2	20	7	893	0	
IMPERIAL	0	2	4,296	2,719	1,769	0	0	4,200	493	0	205	591	115	1,571	447	92	0	
INYO	0	24	23	1	0	0	0	10	0	0	2	0	4	14	0	0	0	
KERN	539	3,071	1,066	1,042	3,363	0	1	5,085	744	94	5,396	4,989	427	14,983	15,104	359	491	
KINGS	106	35	38	1,349	2,930	0	0	1,633	74	2	1,344	583	70	841	6,328	20	23	
LAKE	0	6	15	0	142	0	0	126	4	3	0	1	27	176	7	0		
LASSEN	0	34	247	0	0	0	0	15	0	1	283	55	0	23	0	1	1	
LOS ANGELES	35	172	43	190	3	0	1	555	0	871	84	6	22	560	1,379	0	1,007	
MADERA	4	25	40	137	82	0	0	7,077	13	0	1,551	1,016	807	2,479	9,335	9	0	
MARIN	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	58	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	8	3	0	6	0	5	49	44	655	0	4	0	75	65	83	502	
MERCED	14	54	518	18	855	0	0	2,446	30	8	2,618	350	224	2,261	4,361	43	20	
MODOC	0	1,373	1,009	0	7	0	0	0	0	64	572	82	0	314	0	0	0	
MONO	0	0	16	2	0	0	0	1	0	0	76	6	1	1	0	0	0	
MONTEREY	0	1	215	527	306	0	3	6,027	0	58	12	240	124	968	4,846	1	67	
NAPA	2	32	35	0	27	0	2	334	1	17	0	22	59	566	2	38	0	
NEVADA	0	0	1	0	0	0	0	4	1	33	9	0	0	7	2	21	0	
ORANGE	3	34	5	0	27	0	5	391	0	253	10	28	8	64	373	0	201	
PLACER	3	132	77	0	0	0	0	294	34	73	142	0	0	56	157	70	222	
PLUMAS	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	2	
RIVERSIDE	13	6	1,190	256	2,800	0	20	982	71	935	982	51	81	394	1,183	113	1,060	
SACRAMENTO	2	278	219	0	12	0	0	1,058	0	179	182	22	2	108	1,426	0	356	
SAN BENITO	0	0	0	0	0	0	0	310	0	0	0	116	0	47	181	0	0	
SAN BERNARDINO	2	32	976	59	0	0	23	34	32	182	7	21	12	1,132	39	47	784	
SAN DIEGO	17	6	146	18	3	0	85	764	7	164	377	203	87	642	685	5	367	
SAN FRANCISCO	0	0	7	0	0	0	0	1	0	27	0	0	0	6	0	0	46	
SAN JOAQUIN	107	16	1,102	200	1,007	0	13	7,870	0	165	2,726	76	30	3,398	7,280	0	803	
SAN LUIS OBISPO	15	28	4	1	42	0	5	884	3	10	150	9	396	428	1,275	2	48	
SAN MATEO	0	0	0	0	0	0	0	192	0	52	33	0	11	4	108	0	105	
SANTA BARBARA	1,246	31	100	179	94	0	25	1,918	1	26	195	553	244	1,106	1,856	1	148	
SANTA CLARA	0	4	0	2	27	0	1	1,161	15	53	19	117	3	67	1,126	31	189	
SANTA CRUZ	3	0	14	2	17	0	7	444	0	21	0	1	28	110	148	0	11	
SHASTA	0	317	550	0	0	0	0	42	0	16	323	0	7	50	46	0	18	
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SISKIYOU	0	736	741	0	14	0	0	110	0	124	918	249	1	367	11	0	122	
SOLANO	0	174	67	0	916	0	1	447	49	20	0	3	52	623	782	55	78	
SONOMA	0	2	58	0	129	0	10	648	15	356	1	21	31	308	608	28	379	
STANISLAUS	20	76	1,937	32	804	0	0	3,422	0	11,695	4,145	456	366	7,864	8,956	0	225	
SUTTER	1	1,886	961	0	1,846	0	0	550	26	2	697	149	64	2,110	468	26	3	
TEHAMA	0	41	1,161	0	73	0	0	58	0	1	12	142	72	2,343	464	0	12	
TRINITY	0	0	0	0	0	0	0	0	0	79	0	0	0	0	0	1	8	
TULARE	254	0	369	2,661	833	0	0	3,779	260	55	1,412	2,375	644	4,697	5,394	327	36	
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VENTURA	27	29	203	169	64	0	0	1,297	12	76	126	70	6	1,648	1,498	14	58	
YOLO	0	637	157	33	2,340	0	11	1,710	19	168	730	4	47	604	1,978	25	109	
YUBA	0	228	415	0	225	0	0	144	30	4	935	26	46	458	157	30	19	
** UNKNOWN **	0	11	11	0	5,366	0	7	3,465	0	1,112	0	0	0	23	1,608	0	1,592	
TOTAL	2,955	14,403	23,909	10,312	35,191	0	253	75,790	2,312	20,519	36,923	17,787	4,592	69,939	104,132	1,729	11,917	



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 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 SULFUR	SULFURIC ACID	SECONDARY/MICRONUTRIENTS - ALL OTHER	NON-FARM USE SECONDARY/MICRONUTRIENTS	OIM BULK COMPOST - NO NUTRIENTS
ALAMEDA	0	13	21	0	0	18	0	502	17	3,500
ALPINE	0	0	0	0	0	0	0	1	0	0
AMADOR	0	0	0	0	0	8	0	121	0	0
BUTTE	13	0	3,321	152	0	508	0	2,948	12	327
CALAVERAS	0	0	168	0	0	12	0	6	0	0
COLUSA	944	1	5,574	1,022	0	223	1,060	4,072	0	3,841
CONTRA COSTA	0	4	29	21	0	120	0	533	3	0
DEL NORTE	0	0	0	0	0	1	0	6	0	0
EL DORADO	0	0	12	137	0	15	0	44	3,856	0
FRESNO	126	148	91,754	1,050	7,429	5,847	5,975	52,129	530	7,957
GLENN	60	0	4,528	504	0	1,005	1	2,201	0	0
HUMBOLDT	0	3	47	2,743	114	0	0	218	170	0
IMPERIAL	0	11	934	33,216	0	874	1,397	1,612	3	11,618
INYO	0	5	0	11	0	24	0	60	0	0
KERN	401	12	286,681	5,686	15,543	13,379	6,208	65,006	5	1,292
KINGS	10	6	215,896	3,828	286	4,135	37,754	7,162	1	0
LAKE	0	0	132	73	0	3	0	74	1	5,684
LASSEN	0	5	418	214	0	12	0	54	1	0
LOS ANGELES	0	25	509	177	114	618	125	2,882	3,316	26,249
MADERA	12	11	4,538	29	6,171	1,557	3,211	5,305	25	899
MARIN	0	0	3	0	0	0	0	35	1	0
MARIPOSA	0	0	1	1	0	0	0	6	1	0
MENDOCINO	0	0	184	44	0	0	0	114	40	0
MERCED	1,430	10	9,876	3,517	286	5,181	805	13,263	4	15,626
MODOC	0	0	74	0	0	783	0	583	0	518
MONO	0	0	0	47	0	0	0	25	0	0
MONTEREY	2	22	7,493	24,766	0	156	23	3,989	183	33,372
NAPA	0	1	471	325	0	0	0	1,389	0	10,142
NEVADA	0	0	9	4	0	0	0	46	40	100
ORANGE	0	99	207	62	0	48	0	2,181	9	16,102
PLACER	0	0	138	591	0	1	0	292	86	0
PLUMAS	0	0	0	0	0	0	0	8	0	0
RIVERSIDE	2	172	465	39	3,543	119	51	3,272	87	14,296
SACRAMENTO	50	63	555	93	1,750	1,028	0	6,308	2,927	0
SAN BENITO	0	0	1,241	81	0	45	40	45	0	24
SAN BERNARDINO	0	52	346	28	13,143	106	0	1,846	411	10,372
SAN DIEGO	3	100	1,013	166	0	5	0	736	865	3,470
SAN FRANCISCO	0	3	7	0	0	0	0	15	0	0
SAN JOAQUIN	103	142	11,015	3,924	0	8,478	410	13,409	37	12
SAN LUIS OBISPO	5	12	390	46	0	8	5	980	1	25
SAN MATEO	0	69	75	151	0	2	0	802	4	0
SANTA BARBARA	0	7	5,430	4,482	0	711	1,151	5,348	58	0
SANTA CLARA	0	6	557	102	0	11	11	705	20	0
SANTA CRUZ	0	4	178	100	0	9	1	1,226	3	202
SHASTA	9	3	749	6,416	0	161	2	432	2	69
SIERRA	0	0	0	0	0	0	0	0	0	0
SISKIYOU	2	7	272	0	0	1,616	93	827	2	2,238
SOLANO	50	0	981	153	53,817	40	72	3,269	0	2,500
SONOMA	4	28	5,763	675	0	21	0	879	436	0
STANISLAUS	30	80	12,826	4,813	457	12,900	329	10,789	4,583	13,855
SUTTER	16	1	2,561	507	0	489	0	2,848	0	394
TEHAMA	0	12	663	76	0	16	0	994	0	170
TRINITY	0	0	7	0	0	0	0	0	3	0
TULARE	21	78	61,600	6,569	0	5,210	12,524	18,989	373	8,141
TUOLUMNE	0	0	3	2,117	0	0	0	0	0	1,043
VENTURA	9	25	436	7	400	234	860	3,661	17	2,462
YOLO	3	0	1,697	1	4,200	329	487	21,643	8	7,463
YUBA	1	0	598	23	0	88	0	228	1	0
** UNKNOWN **	0	5	78,015	199	0	222	13	362	687	5,093
TOTAL	3,306	1,245	820,461	108,988	107,253	66,376	72,608	266,480	18,829	209,056

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**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	660	3,842	532	5,034	334	179	41	554	534	91	625	5,659
ALPINE	0	24	0	24	0	1	0	1	0	0	0	24
AMADOR	15	163	39	217	1	116	12	129	0	0	0	217
BUTTE	4,228	32,304	58,105	94,637	1,022	5,610	310	6,942	609	2,553	3,162	97,799
CALAVERAS	54	187	75	316	47	123	16	186	10	0	10	326
COLUSA	6,008	20,403	69,204	95,615	2,667	4,346	5,883	12,896	8	1	9	95,624
CONTRA COSTA	1,233	3,169	4,487	8,889	407	185	115	707	690	60	750	9,639
DEL NORTE	0	119	10	129	0	7	0	7	3	0	3	132
EL DORADO	193	195	89	477	50	140	18	208	3,918	5	3,923	4,400
FRESNO	26,283	158,288	171,633	356,204	4,652	116,577	35,806	157,035	1,109	155	1,264	357,468
GLENN	1,267	23,627	37,318	62,212	396	7,027	876	8,299	16	0	16	62,228
HUMBOLDT	231	3,243	23	3,497	93	2,898	20	3,011	3,613	285	3,898	7,395
IMPERIAL	17,203	78,549	52,129	147,881	1,384	32,776	3,884	38,044	3	0	3	147,884
INYO	254	70	93	417	98	2	0	100	0	0	0	417
KERN	34,081	377,447	132,455	543,983	6,853	343,763	26,757	377,373	875	15	890	544,873
KINGS	1,942	232,340	88,629	322,911	372	228,589	39,830	268,791	132	137	269	323,180
LAKE	313	6,114	545	6,972	96	134	52	282	19	3	22	6,994
LASSEN	83	929	1,604	2,616	3	50	650	703	1	4	5	2,621
LOS ANGELES	4,124	4,030	28,380	36,534	2,135	1,751	450	4,336	9,220	350	9,570	46,104
MADERA	10,929	12,061	67,367	90,357	273	7,704	6,686	14,663	31	0	31	90,388
MARIN	112	6	1	119	36	2	0	38	223	2	225	344
MARIPOSA	0	8	12	20	0	8	0	8	1	0	1	21
MENDOCINO	802	430	612	1,844	235	49	58	342	1,492	76	1,614	3,458
MERCED	4,821	56,135	51,359	112,315	2,045	23,708	8,329	34,082	118	6	124	112,439
MODOC	87	7,023	570	7,680	0	1,331	109	1,440	190	0	190	7,870
MONO	4	416	4	424	0	72	0	72	0	0	0	424
MONTEREY	7,257	73,624	46,939	127,820	3,426	31,897	1,128	36,451	221	205	426	128,246
NAPA	726	11,652	1,766	14,144	304	1,293	589	2,186	110	1	111	14,255
NEVADA	27	160	36	223	13	38	8	59	152	32	184	407
ORANGE	3,642	16,917	1,227	21,786	2,250	315	32	2,597	1,143	122	1,265	23,051
PLACER	683	1,854	2,408	4,945	147	874	1	1,022	727	76	803	5,748
PLUMAS	5	20	0	25	0	8	0	8	9	0	9	34
RIVERSIDE	8,251	23,169	22,692	54,112	2,436	781	903	4,120	3,919	413	4,332	58,444
SACRAMENTO	4,029	6,444	12,634	23,107	1,655	3,574	2,973	8,202	3,765	888	4,653	27,760
SAN BENITO	55,730	756	1,420	57,906	1,079	302	71	1,452	10	0	10	57,916
SAN BERNARDINO	14,973	15,826	297	31,096	1,952	420	6	2,378	4,210	170	4,380	35,476
SAN DIEGO	5,100	6,828	712	12,640	1,390	576	57	2,023	2,467	20	2,487	15,127
SAN FRANCISCO	35	179	334	548	21	4	0	25	67	47	114	662
SAN JOAQUIN	2,887	47,098	55,020	105,005	1,340	21,941	14,200	37,481	3,193	18	3,211	108,216
SAN LUIS OBISPO	2,049	1,910	5,255	9,214	280	990	176	1,446	107	2	109	9,323
SAN MATEO	1,800	302	174	2,276	902	196	1	1,099	436	15	451	2,727
SANTA BARBARA	3,086	18,521	20,168	41,775	514	14,149	2,487	17,150	365	4	369	42,144
SANTA CLARA	2,181	1,925	2,599	6,705	656	620	116	1,392	762	55	817	7,522
SANTA CRUZ	2,204	734	695	3,633	1,061	273	184	1,518	121	20	141	3,774
SHASTA	747	9,548	1,097	11,392	520	6,590	662	7,772	29	32	61	11,453
SIERRA	3	0	0	3	0	0	0	0	0	0	0	3
SISKIYOU	396	9,779	988	11,163	235	2,470	112	2,817	547	87	634	11,797
SOLANO	3,021	7,680	10,969	21,670	2,553	1,532	480	4,565	197	64	261	21,931
SONOMA	3,280	6,140	2,044	11,464	832	5,878	660	7,370	1,199	220	1,419	12,883
STANISLAUS	7,627	65,410	83,034	156,071	3,508	24,317	13,942	41,767	5,389	11,661	17,050	173,121
SUTTER	3,120	20,885	44,556	68,561	750	5,356	316	6,422	7	2	9	68,570
TEHAMA	323	8,529	3,650	12,502	12	1,685	64	1,761	114	1	115	12,617
TRINITY	7	2	0	9	7	0	0	7	101	2	103	112
TULARE	10,030	104,743	69,255	184,028	4,070	81,011	19,910	104,991	583	21	604	184,632
TUOLUMNE	2,098	1,069	0	3,167	2,094	26	0	2,120	0	0	0	3,167
VENTURA	4,954	5,810	11,120	21,884	1,369	908	2,955	5,232	497	4	501	22,385
YOLO	5,561	48,068	55,211	108,840	640	22,396	1,124	24,160	457	7	464	109,304
YUBA	304	4,988	9,280	14,572	97	828	13	938	67	0	67	14,639
** UNKNOWN **	87	92,271	8,207	100,565	69	78,679	68	78,816	4,515	1,167	5,682	106,247
<b>TOTAL</b>	<b>271,150</b>	<b>1,633,963</b>	<b>1,239,062</b>	<b>3,144,175</b>	<b>59,381</b>	<b>1,087,075</b>	<b>193,140</b>	<b>1,339,596</b>	<b>58,301</b>	<b>19,099</b>	<b>77,400</b>	<b>3,221,575</b>

**STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE**  
**TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST**  
**JANUARY-JUNE 2020**  
**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	675	79	331	1,085	486	66	289	842	189	13	42	244
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	47	20	16	83	41	8	8	57	6	12	8	26
BUTTE	18,755	4,308	7,818	30,881	4,963	2,004	6,213	13,179	13,792	2,304	1,605	17,701
CALAVERAS	25	8	29	62	14	5	25	45	11	3	4	18
COLUSA	18,792	3,849	3,356	25,997	4,012	1,878	1,143	7,033	14,780	1,971	2,213	18,964
CONTRA COSTA	3,420	787	1,254	5,461	1,891	391	554	2,837	1,529	395	700	2,624
DEL NORTE	26	4	5	34	22	1	5	27	4	3	0	7
EL DORADO	124	42	66	231	90	17	57	165	33	24	9	66
FRESNO	60,692	13,568	21,233	95,493	14,861	1,621	10,994	27,476	45,831	11,947	10,239	68,017
GLENN	10,990	2,990	8,043	22,022	2,589	2,538	4,961	10,088	8,401	452	3,082	11,934
HUMBOLDT	1,520	1,574	923	4,017	1,487	1,366	890	3,743	33	208	33	274
IMPERIAL	35,966	8,997	1,628	46,592	20,740	3,507	1,329	25,576	15,226	5,490	300	21,016
INYO	100	27	20	148	73	27	20	119	28	1	0	28
KERN	36,669	9,357	28,124	74,149	4,675	3,074	19,221	26,970	31,994	6,283	8,903	47,179
KINGS	13,884	3,516	7,760	25,160	1,146	262	1,509	2,917	12,738	3,254	6,251	22,243
LAKE	282	190	197	669	209	36	174	420	73	154	23	250
LASSEN	335	151	206	692	155	150	205	510	180	1	1	182
LOS ANGELES	5,913	1,405	2,728	10,046	5,489	1,260	2,545	9,294	424	145	183	752
MADERA	16,949	7,618	12,155	36,722	1,362	289	2,839	4,490	15,587	7,329	9,316	32,232
MARIN	187	52	58	297	185	52	57	294	2	0	1	3
MARIPOSA	2	0	0	2	0	0	0	0	2	0	0	2
MENDOCINO	974	756	688	2,418	832	710	584	2,127	142	45	104	291
MERCED	17,673	3,077	7,304	28,055	4,308	795	3,856	8,959	13,365	2,282	3,448	19,096
MODOC	1,241	866	518	2,625	1,140	829	516	2,486	101	37	2	140
MONO	65	10	49	124	64	9	49	122	1	1	0	2
MONTEREY	26,488	6,587	5,513	38,587	6,759	1,291	1,961	10,011	19,729	5,296	3,552	28,576
NAPA	471	388	645	1,504	192	90	272	554	280	297	373	950
NEVADA	110	39	35	184	87	23	27	137	23	16	8	47
ORANGE	2,200	666	622	3,488	1,798	361	386	2,545	402	305	236	943
PLACER	1,493	469	562	2,524	962	213	479	1,655	531	255	83	870
PLUMAS	21	2	3	26	21	2	3	26	0	0	0	0
RIVERSIDE	13,278	3,784	3,224	20,286	7,451	1,807	2,469	11,727	5,827	1,977	755	8,559
SACRAMENTO	5,879	1,447	1,969	9,294	2,034	476	623	3,133	3,845	971	1,346	6,161
SAN BENITO	866	310	230	1,406	253	104	101	458	613	206	129	948
SAN BERNARDINO	5,123	1,069	1,581	7,773	4,945	1,023	1,556	7,524	178	46	25	249
SAN DIEGO	3,750	1,070	1,687	6,507	3,535	1,030	1,651	6,216	215	40	36	291
SAN FRANCISCO	160	32	49	241	78	25	24	126	82	7	25	114
SAN JOAQUIN	23,563	9,117	11,448	44,128	8,182	6,775	7,187	22,144	15,381	2,342	4,261	21,984
SAN LUIS OBISPO	2,507	929	1,805	5,241	625	397	899	1,921	1,882	532	906	3,320
SAN MATEO	809	244	240	1,293	764	241	231	1,236	44	3	9	56
SANTA BARBARA	7,612	2,719	2,904	13,235	2,232	745	1,440	4,417	5,380	1,974	1,464	8,817
SANTA CLARA	2,904	1,241	1,418	5,562	1,837	590	812	3,239	1,067	650	606	2,323
SANTA CRUZ	951	484	227	1,661	672	321	165	1,158	279	163	62	504
SHASTA	882	407	291	1,580	786	389	276	1,451	96	18	15	129
SIERRA	1	0	0	1	1	0	0	1	0	0	0	0
SISKIYOU	1,643	771	923	3,337	1,379	719	920	3,017	265	52	3	320
SOLANO	7,708	1,962	1,789	11,459	3,946	1,135	1,153	6,234	3,762	827	636	5,225
SONOMA	1,735	1,098	1,188	4,021	1,442	840	696	2,978	294	258	492	1,044
STANISLAUS	23,227	16,448	15,866	55,541	5,596	1,762	9,212	16,570	17,631	14,686	6,654	38,971
SUTTER	13,213	2,083	2,040	17,336	3,401	1,197	1,798	6,397	9,812	886	242	10,939
TEHAMA	2,145	696	1,718	4,558	1,116	618	1,469	3,202	1,029	78	249	1,356
TRINITY	14	79	9	102	13	79	8	100	1	0	1	2
TULARE	22,136	6,123	9,759	38,017	4,857	1,414	6,281	12,552	17,279	4,708	3,478	25,465
TUOLUMNE	2	1	1	4	2	1	1	4	0	0	0	0
VENTURA	5,332	1,629	2,492	9,453	2,208	931	1,603	4,742	3,124	698	889	4,711
YOLO	22,523	3,008	2,916	28,447	7,584	1,041	1,615	10,240	14,939	1,967	1,301	18,207
YUBA	2,886	516	1,032	4,434	816	328	904	2,048	2,070	188	128	2,386
** UNKNOWN **	7,243	6,412	3,212	16,867	5,480	4,404	2,771	12,655	1,763	2,008	441	4,212
<b>TOTAL</b>	<b>454,184</b>	<b>135,080</b>	<b>181,909</b>	<b>771,174</b>	<b>151,893</b>	<b>51,272</b>	<b>107,039</b>	<b>310,203</b>	<b>302,291</b>	<b>83,808</b>	<b>74,871</b>	<b>460,970</b>

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE  
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST  
 JULY 2019-JUNE 2020  
 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	5	19	4	0	73	39	0	0	16	0	498	0	130	0	223	0	376	
ALPINE	0	0	0	0	0	12	0	0	0	0	0	0	0	2	0	0	0	0	
AMADOR	0	0	0	0	0	4	0	0	24	0	0	2	0	4	0	53	0	0	
BUTTE	0	32,917	0	26	0	17,391	1,353	0	5,062	278	0	19,609	2	0	3,664	102	1,360	1,349	
CALIFORNAS	0	0	0	0	0	32	25	0	21	0	0	4	0	0	0	5	0	0	
COLUSA	526	40,335	0	0	0	8,449	136	0	6,789	9	0	20,539	0	0	4,720	50	2,993	75	4
CONTRA COSTA	0	128	19	59	0	134	461	0	410	27	0	2,691	0	0	1,981	11	1,610	0	547
DEL NORTE	0	0	0	0	0	0	0	0	0	89	0	0	0	0	11	0	7	0	4
EL DORADO	0	15	0	0	0	39	1	0	1	10	0	6	0	0	44	0	72	0	78
FRESNO	294	64	29	19	209	6,348	18,080	0	19,595	3,591	60	87,183	21	0	12,652	857	38,308	629	556
GLENN	0	20,772	28	0	0	6,454	53	0	1,222	26	0	11,563	0	0	671	48	1,884	18	29
HUMBOLDT	0	0	0	0	0	0	0	2,463	3	100	0	0	0	0	0	0	16,357	51	1,946
IMPERIAL	1,373	0	101	6,592	0	7,157	175	133	6,129	2	1,181	48,050	107	0	62,349	0	12,978	1,512	2
INYO	0	0	0	0	0	6	0	0	35	66	0	110	0	0	42	0	0	0	0
KERN	121	1	14	85	1,168	1,813	6,928	0	7,983	975	148	75,931	0	0	3,226	218	13,322	1,183	400
KINGS	1,893	12	0	0	4	195	2,107	0	4,052	172	39	35,359	0	0	1,426	82	2,580	928	333
LAKE	0	0	0	0	0	240	0	0	267	0	0	34	0	0	0	184	0	11	20
LASSEN	0	0	0	282	0	19	6	0	735	52	0	145	0	0	829	0	8	0	0
LOS ANGELES	0	276	8	430	0	479	76	0	747	47	0	622	0	0	472	0	4,592	5	7,421
MADERA	0	28	424	1,084	0	365	1,794	0	11,221	877	2	31,445	0	0	1,032	2,132	7,503	268	12
MARIN	0	0	1	0	0	20	0	0	0	0	0	0	0	0	2	0	74	0	210
MARIPOSA	0	0	0	0	0	0	8	0	1	0	0	5	0	0	0	0	0	0	0
MENDOCINO	0	439	0	0	0	54	0	0	30	63	0	27	0	0	247	0	263	166	697
MERCED	42	4	14	953	83	2,514	4,369	0	14,623	6,676	0	23,990	0	0	2,925	431	9,354	57	123
MODOC	0	0	0	81	0	1,293	102	0	24	0	0	1,019	0	0	1,612	0	493	0	158
MONO	0	0	0	0	0	237	0	0	0	0	0	2	0	0	61	0	5	0	0
MONTEREY	0	0	379	19,662	0	1,361	1,895	41	15,152	706	199	6,807	0	0	1,946	757	38,115	102	162
NAPA	5	0	7	0	0	6	0	0	299	165	0	33	0	0	30	0	403	27	67
NEVADA	0	0	0	0	3	14	0	0	0	1	0	13	0	0	9	0	34	2	120
ORANGE	0	0	15	79	0	286	156	0	382	30	0	96	0	0	273	3	2,058	0	1,603
PLACER	0	1,635	0	161	3	574	12	0	46	14	0	343	0	0	131	0	459	157	657
PLUMAS	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	9
RIVERSIDE	72	0	153	2,724	2	1,136	266	0	6,477	685	1	16,536	0	0	2,181	1	4,159	2,558	4,133
SACRAMENTO	559	1,528	12	48	692	626	153	0	1,285	780	0	3,543	0	0	1,167	0	3,385	0	2,297
SAN BENITO	0	0	0	8	0	17	2	0	1,182	156	7	65	0	0	90	0	1,755	406	10
SAN BERNARDINO	0	0	12	8	221	1,202	13	0	25	45	0	218	0	0	1,071	1	669	59	3,794
SAN DIEGO	0	0	1,578	136	0	337	17	0	519	607	114	240	0	0	335	2	3,471	2	1,845
SAN FRANCISCO	0	329	0	0	0	210	0	0	0	0	0	263	0	0	39	0	8	0	76
SAN JOAQUIN	131	0	24	98	94	4,168	2,713	0	12,232	909	20	21,785	0	0	3,472	46	15,876	0	2,793
SAN LUIS OBISPO	0	26	3	1,097	0	700	230	0	1,096	319	72	698	0	3	706	195	4,510	6	82
SAN MATEO	0	93	6	0	0	212	34	0	0	44	1	67	0	0	27	0	804	2	498
SANTA BARBARA	0	0	0	6,910	8	520	2,000	0	2,623	653	397	10,387	15	0	1,531	752	5,762	662	281
SANTA CLARA	0	0	0	16	0	183	39	0	30	41	0	397	0	0	213	0	2,526	91	878
SANTA CRUZ	0	0	0	16	0	283	0	25	0	67	0	10	0	0	46	8	2,179	92	220
SHASTA	0	12	10	607	0	987	0	0	126	8	0	160	0	0	2,579	0	98	0	588
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
SISKIYOU	38	0	1	0	0	1,090	264	0	866	84	0	546	0	45	1,742	0	488	0	480
SOLANO	1,563	474	1	6	0	2,818	11	0	1,698	125	0	6,325	0	0	583	0	1,332	196	220
SONOMA	0	128	14	25	0	89	0	15	468	523	0	90	0	0	167	0	1,538	97	1,209
STANISLAUS	1,628	0	8	19	11	9,111	3,366	0	26,433	703	5	42,725	0	0	6,045	0	6,539	931	621
SUTTER	0	34,859	0	63	323	11,431	875	0	2,198	1,031	339	9,326	14	0	2,718	12	2,339	50	6
TEHAMA	0	332	0	0	0	2,526	19	0	335	115	0	2,878	26	0	204	0	485	5	118
TRINITY	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	13
TULARE	951	2	4	2	0	2,722	2,660	0	5,564	1,576	67	31,353	0	0	3,642	666	12,876	1,665	159
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
VENTURA	0	298	0	1,131	0	103	115	0	4,097	223	23	1,458	0	7	479	5	6,817	46	2,004
YOLO	186	11,330	0	0	203	3,919	311	0	10,624	233	0	33,004	0	0	14,346	0	4,428	126	264
YUBA	0	5,460	0	648	0	1,943	173	0	1,546	29	0	1,836	44	0	879	0	205	44	48
** UNKNOWN **	0	1,083	0	0	0	180	215	0	797	7	0	546	0	0	282	127	7,359	0	3,650
TOTAL	9,382	152,585	2,884	43,081	3,032	102,090	51,061	2,677	175,053	22,955	3,030	550,642	229	496	145,076	6,506	244,923	12,250	43,181

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 JULY 2019-JUNE 2020  
 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	POTASSIUM MATERIALS - POTASH
ALAMEDA	1	43	3	0	14	0	0	11	0	117	41	0	2	107	28	0	354
ALPINE	0	0	3	0	0	0	0	0	0	0	6	0	0	0	0	0	0
AMADOR	0	9	7	0	0	0	0	30	0	0	23	0	0	47	35	0	0
BUTTE	5	739	2,045	0	3,307	0	1	1,039	21	1,812	3,879	1,949	146	10,260	1,680	22	1,613
CALAVERAS	0	0	2	0	0	0	0	7	0	4	14	0	0	26	9	0	4
COLUSA	56	2,739	2,203	26	3,751	0	1	1,906	57	3	255	6,276	101	2,111	3,475	74	2
CONTRA COSTA	1	523	26	10	492	0	3	654	0	182	84	16	25	23	1,081	0	329
DEL NORTE	0	0	1	59	0	0	0	0	0	1	5	0	0	0	1	0	2
EL DORADO	0	1	5	4	0	0	1	38	0	22	0	44	15	34	38	0	27
FRESNO	426	619	1,713	1,406	4,580	0	30	14,784	294	121	7,372	4,951	391	13,192	20,268	310	213
GLENN	52	957	2,005	0	176	0	0	2,020	21	0	330	481	50	4,484	6,223	21	1
HUMBOLDT	8	0	0	1	0	0	0	497	3,703	2,329	132	402	2	0	42	14	1,525
IMPERIAL	0	10	17,465	3,279	4,467	0	0	8,803	1,679	1	496	1,601	127	3,156	646	1,386	8
INYO	0	25	149	1	0	0	0	17	0	0	2	0	7	20	27	0	0
KERN	606	3,146	2,090	1,811	4,855	0	1	6,499	1,080	110	6,135	5,964	480	17,221	18,234	938	510
KINGS	106	35	126	1,855	4,696	0	0	2,084	990	2	1,353	825	106	2,676	7,432	1,557	23
LAKE	0	21	49	0	210	0	4	135	6	8	0	3	1	27	202	11	1
LASSEN	0	178	401	0	0	0	0	15	0	1	353	76	0	27	23	0	1
LOS ANGELES	35	174	214	285	11	0	1	767	2	4,631	127	13	23	573	1,476	3	3,394
MADERA	4	25	821	205	1,695	0	0	7,521	57	3	2,392	1,430	1,054	5,132	10,499	82	3
MARIN	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	108
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	8	3	0	14	0	5	63	76	1,176	7	7	0	130	109	143	854
MERCED	14	54	1,415	21	1,475	0	0	3,535	30	9	4,342	449	418	7,406	6,042	43	23
MODOC	0	1,816	1,437	0	14	0	0	25	0	77	817	104	1	345	0	0	2
MONO	0	0	316	2	0	0	0	1	0	0	92	6	1	527	1	0	0
MONTEREY	0	2	1,082	871	597	0	6	8,958	57	80	17	240	175	4,131	8,597	64	85
NAPA	2	72	63	0	55	0	2	475	20	21	0	2	35	149	866	25	46
NEVADA	0	0	11	0	0	0	0	26	1	45	9	69	0	15	14	2	27
ORANGE	3	62	39	0	28	0	33	785	0	343	22	31	9	108	774	0	267
PLACER	3	135	102	0	0	0	0	304	60	142	146	0	0	320	187	124	337
PLUMAS	0	0	0	0	0	0	0	0	0	2	0	0	0	4	1	0	2
RIVERSIDE	13	18	3,261	730	3,902	0	20	1,993	274	2,203	1,522	357	159	642	1,998	438	1,317
SACRAMENTO	27	468	294	0	13	0	0	1,496	0	328	360	25	3	360	2,689	0	523
SAN BENITO	0	0	0	0	2	0	0	543	1	0	0	116	0	52	462	1	0
SAN BERNARDINO	2	32	1,103	61	0	0	23	50	32	439	41	21	17	1,202	56	47	929
SAN DIEGO	33	7	236	39	10	0	87	1,112	7	348	397	241	162	1,258	849	5	445
SAN FRANCISCO	0	0	8	0	0	0	0	1	0	60	0	0	0	7	0	0	92
SAN JOAQUIN	155	1,074	1,402	200	2,081	0	13	9,434	15	321	4,385	101	87	8,090	10,771	27	975
SAN LUIS OBISPO	15	81	4	3	93	0	6	1,027	3	21	378	9	566	610	1,506	2	56
SAN MATEO	0	0	0	0	0	0	0	440	0	92	33	0	19	12	210	0	169
SANTA BARBARA	1,246	31	1,071	328	158	0	47	3,747	1	39	499	560	401	2,004	3,066	1	160
SANTA CLARA	0	4	0	2	27	0	8	1,432	94	94	19	117	7	125	1,701	70	333
SANTA CRUZ	3	0	19	3	24	0	7	813	19	35	0	4	54	267	325	21	27
SHASTA	0	720	785	0	0	0	0	60	0	39	497	0	16	215	65	0	39
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	861	1,074	0	34	0	0	242	0	145	1,233	437	1	563	39	0	152
SOLANO	0	321	1,520	0	1,372	0	2	765	121	34	325	3	57	1,199	1,541	132	119
SONOMA	1	10	121	0	187	0	36	1,203	49	391	1	21	54	1,048	1,204	87	421
STANISLAUS	20	145	3,745	105	1,419	0	0	5,062	380	11,725	11,526	740	2,005	16,650	11,770	548	334
SUTTER	1	2,424	1,292	0	1,909	0	2	832	56	3	847	159	132	3,571	784	56	4
TEHAMA	0	130	1,162	0	76	0	0	88	5	6	39	142	77	2,589	556	5	18
TRINITY	0	0	0	0	0	0	0	0	0	81	0	0	0	0	0	1	8
TULARE	354	0	631	3,238	1,448	0	0	5,227	267	60	2,839	2,946	660	5,914	6,877	545	41
TUOLUMNE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
VENTURA	27	165	404	387	116	0	0	2,445	27	87	275	98	34	2,432	2,466	43	107
YOLO	0	891	650	43	2,615	0	14	1,986	119	251	1,440	30	74	1,862	2,358	132	167
YUBA	0	251	455	0	225	0	0	184	49	5	941	29	68	755	233	49	20
** UNKNOWN **	0	26	73	0	5,370	0	27	7,191	0	1,756	106	0	0	75	2,960	0	2,363
TOTAL	3,219	19,052	53,157	14,975	51,518	0	380	108,173	9,673	29,903	56,154	31,095	7,821	125,875	143,098	7,029	18,580

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 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	1	20	322	88	0	24	0	802	36	7,000
ALPINE	0	0	0	0	0	0	0	1	0	0
AMADOR	0	0	0	73	0	34	0	126	0	0
BUTTE	13	232	5,854	1,916	0	693	0	3,453	17	2,289
CALAVERAS	0	0	189	41	0	30	0	7	362	0
COLUSA	1,094	1	45,008	2,544	0	229	1,382	5,372	0	13,042
CONTRA COSTA	0	12	1,517	31	0	316	0	1,037	5	0
DEL NORTE	0	0	0	0	0	1	0	6	0	0
EL DORADO	0	2	13	1,229	0	72	0	100	9,450	0
FRESNO	167	200	386,127	5,079	15,865	10,526	11,678	96,165	904	33,902
GLENN	60	0	9,550	1,631	0	1,067	2	2,632	740	475
HUMBOLDT	0	3	3,381	6,028	133	0	0	5,176	186	0
IMPERIAL	1	143	6,254	38,068	1	1,249	2,895	2,963	3	36,680
INYO	0	14	0	1,632	0	27	0	66	1	0
KERN	478	23	489,009	11,625	31,596	22,045	15,568	89,349	1,049	4,221
KINGS	14	11	314,685	14,802	2,242	15,531	79,529	13,025	1	5,000
LAKE	0	0	1,417	189	0	14	0	80	334	5,719
LASSEN	0	6	1,303	455	0	93	0	57	25	0
LOS ANGELES	1	67	893	227	114	619	248	5,415	6,836	53,763
MADERA	21	14	7,232	2,448	19,939	3,954	3,415	11,866	50	6,099
MARIN	0	0	3	0	0	0	0	49	8	0
MARIPOSA	0	0	1	1	0	0	0	7	1	0
MENDOCINO	0	0	306	701	0	0	0	125	57	0
MERCED	1,436	17	34,096	17,231	2,753	9,297	1,091	23,071	250	17,981
MODOC	0	0	2,281	248	0	1,332	12	604	24	1,449
MONO	0	0	71	47	0	2	0	25	0	0
MONTEREY	5	70	20,158	57,571	0	743	56	5,007	195	133,782
NAPA	0	1	2,523	813	0	3	0	1,398	484	14,285
NEVADA	0	1	81	4	0	13	0	111	44	250
ORANGE	0	107	423	135	31	48	0	3,662	260	16,212
PLACER	1	0	676	615	73	4	0	355	123	0
PLUMAS	0	0	0	0	0	0	0	8	0	0
RIVERSIDE	2	280	2,013	41	19,410	293	700	5,783	1,150	27,710
SACRAMENTO	51	89	952	1,084	3,961	2,021	0	7,294	4,011	0
SAN BENITO	0	0	2,118	178	0	79	40	107	0	24
SAN BERNARDINO	0	130	446	32	42,541	217	0	2,454	698	16,328
SAN DIEGO	6	164	1,610	338	0	7	0	2,055	3,776	8,689
SAN FRANCISCO	0	4	28	48	0	0	0	16	3	0
SAN JOAQUIN	103	536	42,502	39,833	0	17,307	2,651	19,987	1,489	12
SAN LUIS OBISPO	7	17	511	46	0	21	5	1,852	4	30
SAN MATEO	0	133	92	292	0	3	0	1,007	9	0
SANTA BARBARA	6	45	16,607	12,380	194	1,432	2,045	9,497	64	4,256
SANTA CLARA	0	7	3,235	528	0	33	15	961	47	0
SANTA CRUZ	2	7	4,460	914	0	299	6	1,603	7	202
SHASTA	22	6	3,023	16,734	0	504	18	507	175	164
SIERRA	0	0	0	0	0	0	0	0	1	0
SISKIYOU	2	9	1,916	572	0	2,727	199	1,415	5	3,816
SOLANO	50	0	23,823	1,293	105,064	121	72	4,644	1	7,500
SONOMA	4	45	7,846	2,575	0	30	0	1,114	724	4,169
STANISLAUS	73	88	89,642	26,366	4,669	23,003	897	16,941	5,633	22,364
SUTTER	16	1	8,048	1,707	0	1,102	23	3,229	340	394
TEHAMA	0	12	2,413	3,219	0	215	0	1,286	0	170
TRINITY	0	2	7	0	0	0	0	36	4	0
TULARE	341	142	128,723	9,157	0	13,802	23,546	31,601	835	8,899
TUOLUMNE	0	0	4	2,303	0	0	0	0	1	1,492
VENTURA	14	53	811	10	762	521	2,373	6,854	4,477	4,191
YOLO	3	1	22,199	1,690	4,200	806	655	45,710	60	13,161
YUBA	1	0	999	98	0	112	0	579	7	0
** UNKNOWN **	0	29	78,786	338	0	360	13	1,560	1,257	5,093
<b>TOTAL</b>	<b>3,995</b>	<b>2,744</b>	<b>1,776,187</b>	<b>287,248</b>	<b>253,548</b>	<b>132,981</b>	<b>149,134</b>	<b>440,212</b>	<b>46,223</b>	<b>480,813</b>

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 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	1,020	7,834	668	9,522	628	554	75	1,257		748	136	884	10,406
ALPINE	0	24	0	24	0	1	0	1	0	0	0	0	24
AMADOR	55	300	116	471	6	189	38	233	0	0	0	0	471
BUTTE	5,277	50,392	65,658	121,327	1,660	10,061	440	12,161	870	3,921	4,791	126,118	
CALAVERAS	77	242	100	419	69	164	34	267	379	0	379	798	
COLUSA	9,630	81,114	85,580	176,324	5,116	43,407	7,107	55,630	8	1	9	176,333	
CONTRA COSTA	1,946	4,818	6,618	13,382	757	1,765	391	2,913	959	104	1,063	14,445	
DEL NORTE	0	119	66	185	0	7	0	7	7	0	7	192	
EL DORADO	262	1,296	195	1,753	96	1,230	90	1,416	9,541	36	9,577	11,330	
FRESNO	48,949	514,569	254,477	817,995	22,666	433,333	62,385	518,384	1,613	170	1,783	819,778	
GLENN	1,784	33,772	39,420	74,976	847	13,150	945	14,942	770	0	770	75,746	
HUMBOLDT	313	38,159	24	38,496	109	14,478	20	14,607	5,559	427	5,986	44,482	
IMPERIAL	25,739	161,868	91,633	279,240	2,110	41,893	7,571	51,574	14	0	14	279,254	
INYO	354	1,818	146	2,318	121	1,618	0	1,739	1	0	1	2,319	
KERN	50,555	627,820	167,673	846,048	21,359	582,937	39,854	644,150	2,001	20	2,021	848,069	
KINGS	6,093	367,281	144,155	517,529	4,441	352,271	82,841	439,553	132	227	359	517,888	
LAKE	453	7,674	801	8,928	189	1,459	52	1,700	356	7	363	9,291	
LASSEN	86	2,032	2,945	5,063	6	133	1,775	1,914	25	4	29	5,092	
LOS ANGELES	7,971	34,275	30,559	72,805	4,198	2,609	663	7,470	21,750	532	22,282	95,087	
MADERA	16,483	44,082	83,515	144,080	3,452	29,691	9,575	42,718	62	6	68	144,148	
MARIN	127	21	1	149	48	4	0	52	416	8	424	573	
MARIPOSA	0	9	14	23	0	9	0	9	1	0	1	24	
MENDOCINO	954	1,327	705	2,986	288	776	68	1,132	2,580	158	2,784	5,770	
MERCED	11,859	113,486	72,907	198,252	7,727	67,517	13,462	88,706	399	6	405	198,657	
MODOC	90	11,654	3,805	15,549	3	2,116	2,358	4,477	261	0	261	15,810	
MONO	4	1,388	4	1,396	0	145	0	145	0	0	0	1,396	
MONTEREY	12,811	230,235	86,265	329,311	6,439	75,583	1,588	83,610	277	245	522	329,833	
NAPA	1,125	18,433	2,206	21,764	365	3,782	591	4,738	617	1	618	22,382	
NEVADA	128	503	61	692	76	114	20	210	200	36	236	928	
ORANGE	5,567	18,039	2,286	25,892	3,699	624	83	4,406	2,032	439	2,471	28,363	
PLACER	851	3,197	2,592	6,640	215	1,505	4	1,724	1,126	133	1,259	7,899	
PLUMAS	5	38	2	45	0	8	0	8	9	4	13	58	
RIVERSIDE	10,791	60,696	37,099	108,586	3,126	19,349	2,504	24,979	8,249	498	8,747	117,333	
SACRAMENTO	5,429	12,146	17,517	35,092	2,342	7,593	3,872	13,807	5,486	1,566	7,052	42,144	
SAN BENITO	56,660	1,543	3,651	61,854	1,882	521	119	2,522	10	0	10	61,864	
SAN BERNARDINO	15,922	52,204	363	68,489	2,566	30,101	10	32,677	5,476	274	5,750	74,239	
SAN DIEGO	9,485	13,681	1,511	24,677	3,055	1,019	106	4,180	6,361	53	6,414	31,091	
SAN FRANCISCO	48	320	594	962	31	65	0	96	142	89	231	1,193	
SAN JOAQUIN	8,946	121,060	92,328	222,334	3,985	85,924	33,010	122,919	5,539	39	5,578	227,912	
SAN LUIS OBISPO	4,781	2,689	8,984	16,454	814	1,058	587	2,459	152	11	163	16,617	
SAN MATEO	2,627	455	449	3,531	1,225	299	3	1,527	732	36	768	4,299	
SANTA BARBARA	8,853	33,685	39,860	82,398	4,097	28,784	4,137	37,018	516	7	523	82,921	
SANTA CLARA	3,345	5,281	3,237	11,863	1,245	3,345	189	4,779	1,340	72	1,412	13,275	
SANTA CRUZ	3,326	7,393	1,059	11,778	1,266	5,820	205	7,291	257	32	289	12,067	
SHASTA	1,005	22,046	4,873	27,924	641	16,236	3,937	20,814	769	72	841	28,765	
SIERRA	3	0	0	3	0	0	0	0	1	0	1	4	
SISKIYOU	542	17,551	2,211	20,304	379	6,243	218	6,840	691	91	782	21,086	
SOLANO	4,272	40,989	15,695	60,956	3,606	25,059	52,585	81,250	310	64	374	61,330	
SONOMA	5,301	14,768	3,373	23,442	1,277	9,569	768	11,614	1,940	322	2,262	25,704	
STANISLAUS	15,544	209,654	112,485	337,683	8,381	133,101	19,740	161,222	6,575	11,737	18,312	355,995	
SUTTER	4,007	35,864	51,882	91,753	1,304	12,411	411	14,126	351	2	353	92,106	
TEHAMA	474	14,152	4,483	19,109	138	6,734	273	7,145	139	3	142	19,251	
TRINITY	48	2	0	50	45	0	0	45	102	4	106	156	
TULARE	17,212	192,161	101,534	310,907	10,282	160,714	36,316	207,312	1,012	83	1,095	312,002	
TUOLUMNE	2,285	1,518	0	3,803	2,281	26	0	2,307	1	0	1	3,804	
VENTURA	8,784	10,990	19,536	39,310	2,699	2,259	6,040	10,998	6,627	48	6,675	45,985	
YOLO	8,014	104,704	67,351	180,069	1,715	66,337	3,012	71,064	728	14	742	180,811	
YUBA	460	7,016	10,714	18,190	181	1,564	44	1,789	78	2	80	18,270	
** UNKNOWN **	1,083	101,860	9,666	112,609	976	79,980	130	81,086	7,214	1,805	9,019	121,628	
<b>TOTAL</b>	<b>409,815</b>	<b>3,462,247</b>	<b>1,755,652</b>	<b>5,627,714</b>	<b>146,229</b>	<b>2,387,244</b>	<b>400,246</b>	<b>2,933,719</b>	<b>112,500</b>	<b>23,545</b>	<b>137,056</b>	<b>5,764,770</b>	

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**JULY 2019-JUNE 2020**  
**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	859	143	461	1,464	627	117	393	1,138	232	26	68	326
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	63	35	72	170	50	16	47	114	13	19	25	57
BUTTE	22,711	5,210	11,265	39,186	6,493	2,271	8,693	17,457	16,218	2,940	2,572	21,730
CALAVERAS	33	12	34	80	21	7	27	56	12	5	7	24
COLUSA	24,350	4,975	6,185	35,510	5,648	2,345	3,280	11,272	18,702	2,630	2,905	24,238
CONTRA COSTA	4,272	1,129	1,486	6,887	2,320	483	664	3,467	1,952	646	822	3,420
DEL NORTE	31	33	6	70	24	2	6	31	7	32	0	39
EL DORADO	174	65	98	337	135	29	74	239	38	36	24	98
FRESNO	82,914	19,057	33,229	135,201	19,830	2,709	16,300	38,839	63,084	16,348	16,929	96,361
GLENN	12,094	3,359	8,813	24,266	3,170	2,808	5,587	11,565	8,924	551	3,226	12,701
HUMBOLDT	18,675	6,536	1,751	26,961	18,630	6,219	1,702	26,551	45	317	49	410
IMPERIAL	66,348	22,872	4,325	93,544	39,190	14,492	3,928	57,611	27,158	8,379	397	35,934
INYO	165	100	41	306	124	99	41	265	41	1	0	42
KERN	47,044	12,945	33,813	93,801	7,790	4,711	22,140	34,641	39,253	8,233	11,673	59,160
KINGS	19,060	5,841	11,413	36,314	2,633	1,319	4,105	8,056	16,428	4,522	7,308	28,258
LAKE	391	252	229	872	268	69	187	523	123	183	42	348
LASSEN	704	260	266	1,230	473	259	265	997	231	1	1	233
LOS ANGELES	12,891	5,723	5,249	23,863	11,140	5,478	4,970	21,588	1,751	245	279	2,275
MADERA	23,053	9,100	15,564	47,716	3,361	1,179	5,170	9,710	19,692	7,921	10,394	38,007
MARIN	289	98	108	495	287	98	107	492	2	0	1	3
MARIPOSA	3	0	0	3	0	0	0	0	3	0	0	3
MENDOCINO	1,365	1,325	1,177	3,867	1,196	1,227	1,013	3,436	169	98	164	431
MERCED	23,967	4,895	12,727	41,589	5,970	1,840	8,478	16,288	17,997	3,056	4,249	25,301
MODOC	2,631	1,217	688	4,536	2,242	1,153	686	4,081	390	64	2	455
MONO	118	166	321	606	118	165	321	605	1	1	0	2
MONTEREY	49,124	10,334	10,952	70,410	14,183	2,618	4,780	21,580	34,942	7,716	6,172	48,830
NAPA	634	584	1,027	2,245	289	209	433	931	345	375	594	1,314
NEVADA	170	78	71	319	143	59	59	261	27	19	12	58
ORANGE	4,008	1,187	1,119	6,314	2,945	640	632	4,218	1,062	548	487	2,097
PLACER	1,972	589	896	3,458	1,394	315	782	2,492	578	273	114	966
PLUMAS	39	2	5	46	35	2	5	42	4	0	0	4
RIVERSIDE	21,219	8,304	5,329	34,852	12,174	5,092	4,113	21,379	9,045	3,212	1,216	13,473
SACRAMENTO	9,115	2,167	3,655	14,937	3,377	773	1,098	5,248	5,738	1,394	2,557	9,689
SAN BENITO	2,462	545	515	3,521	791	105	116	1,012	1,670	440	399	2,509
SAN BERNARDINO	8,082	1,997	2,095	12,173	7,822	1,934	2,051	11,806	260	63	44	367
SAN DIEGO	6,455	1,671	2,291	10,416	5,954	1,609	2,234	9,796	502	61	57	620
SAN FRANCISCO	297	65	97	459	121	48	51	220	176	17	46	239
SAN JOAQUIN	31,397	11,607	18,510	61,513	10,646	8,147	12,224	31,016	20,751	3,460	6,286	30,497
SAN LUIS OBISPO	5,946	1,112	2,347	9,405	2,133	453	1,218	3,803	3,813	659	1,129	5,602
SAN MATEO	1,417	532	413	2,362	1,113	524	394	2,031	303	8	19	330
SANTA BARBARA	13,704	5,182	4,830	23,716	2,920	1,014	2,222	6,155	10,785	4,168	2,608	17,561
SANTA CLARA	3,784	1,635	2,207	7,625	2,604	966	1,295	4,865	1,180	668	912	2,760
SANTA CRUZ	2,605	891	531	4,028	2,161	604	420	3,185	444	288	111	843
SHASTA	2,485	652	517	3,653	2,269	619	488	3,376	215	33	29	277
SIERRA	1	0	0	1	1	0	0	1	0	0	0	0
SISKIYOU	2,672	1,129	1,309	5,110	2,135	976	1,299	4,411	536	153	10	699
SOLANO	12,986	4,332	3,664	20,982	4,884	2,343	2,304	9,531	8,102	1,989	1,359	11,450
SONOMA	3,205	1,789	2,265	7,258	2,554	1,367	1,466	5,387	651	422	799	1,872
STANISLAUS	33,946	19,785	29,985	83,715	9,526	3,664	21,321	34,511	24,420	16,121	8,663	49,205
SUTTER	17,526	2,498	3,231	23,255	6,230	1,568	2,628	10,425	11,296	931	603	12,829
TEHAMA	2,467	755	1,962	5,184	1,205	646	1,681	3,532	1,262	109	281	1,652
TRINITY	15	81	9	105	14	79	8	101	1	2	1	4
TULARE	29,786	8,286	13,062	51,133	7,068	1,758	8,373	17,199	22,717	6,528	4,689	33,934
TUOLUMNE	2	1	1	4	2	1	1	4	0	0	0	0
VENTURA	10,753	3,078	4,042	17,872	6,159	1,721	2,340	10,220	4,594	1,356	1,702	7,652
YOLO	27,877	3,875	5,194	36,946	10,111	1,647	3,169	14,926	17,766	2,228	2,025	22,019
YUBA	3,435	601	1,280	5,317	1,065	407	1,130	2,602	2,371	194	150	2,715
** UNKNOWN **	12,305	10,828	5,425	28,557	9,834	8,639	4,719	23,192	2,471	2,189	706	5,366
<b>TOTAL</b>	<b>686,097</b>	<b>211,522</b>	<b>278,156</b>	<b>1,175,775</b>	<b>265,604</b>	<b>99,643</b>	<b>173,241</b>	<b>538,488</b>	<b>420,493</b>	<b>111,878</b>	<b>104,916</b>	<b>637,287</b>



# FERTILIZING MATERIALS TONNAGE REPORT

JULY – DECEMBER 2020



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, AGRICULTURAL MINERALS, AND COMPOST  
 JANUARY 2019-DECEMBER 2020  
 TOTAL TONS OF MATERIALS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JAN-JUNE		JULY-DEC		JAN-DEC	
		2019	2020	2019	2020	2019	2020
2	ANHYDROUS AMMONIA	5,753	5,980	3,402	4,420	9,155	10,400
6	AQUA AMMONIA	132,223	139,058	13,527	18,070	145,750	157,128
10	AMMONIUM NITRATE	941	1,938	946	5,004	1,887	6,942
12	AMMONIUM NITRATE SOLUTION	22,348	21,932	21,149	25,531	43,497	47,463
20	AMMONIUM POLYSULFIDE	4,364	2,680	352	79	4,716	2,759
24	AMMONIUM SULFATE	52,470	69,179	32,911	46,604	85,381	115,783
31	AMMONIUM THIOSULFATE	38,609	37,697	13,364	12,601	51,973	50,298
35	CALCIUM AMMONIUM NITRATE SOLUTION	112,692	132,568	42,485	56,922	155,177	189,490
43	CALCIUM NITRATE	13,543	16,445	6,510	12,924	20,053	29,369
58	NITROGEN SOLUTION 28%	2,642	2,044	986	7,767	3,628	9,811
60	NITROGEN SOLUTION 32%	387,119	403,806	146,836	188,238	533,955	592,044
62	SODIUM NITRATE	102	143	86	218	188	361
64	SULFUR COATED UREA	10	489	7	576	17	1,065
66	UREA	77,885	95,612	49,464	75,628	127,349	171,240
67	UREA SOLUTION	5,120	2,118	4,388	1,537	9,508	3,655
0	NON-FARM USE NITROGEN	38,735	26,908	16,273	29,246	55,008	56,154
98	NITROGEN MATERIALS - COMPOST	3,381	7,060	5,190	7,989	8,571	15,049
203	DIAMMONIUM PHOSPHATE	37	2,955	264	2	301	2,957
207	AMMONIUM PHOSPHATE SULFATE	9,880	14,403	4,649	4,766	14,529	19,169
209	MONOAMMONIUM PHOSPHATE	27,672	23,909	29,248	58,111	56,920	82,020
248	PHOSPHORIC ACID	10,739	10,312	4,663	17,881	15,402	28,193
249	LIQUID AMMONIUM POLYPHOSPHATE	40,750	35,191	16,327	44,990	57,077	80,181
263	NORMAL SUPERPHOSPHATE	2	0	0	2	2	2
267	TRIPLE SUPERPHOSPHATE	307	253	127	247	434	500
0	NON-FARM USE PHOSPHORUS	12,133	20,519	9,444	11,820	21,577	32,339
298	PHOSPHORUS MATERIALS - COMPOST	3,729	2,312	7,301	2,806	11,030	5,118
428	MURIATE OF POTASH	21,366	36,923	19,231	22,038	40,597	58,961
443	SULFATE OF POTASH MAGNESIA	27,240	17,787	13,308	19,082	40,548	36,869
453	POTASSIUM NITRATE	4,208	4,592	3,229	3,458	7,437	8,050
463	POTASSIUM SULFATE	47,774	69,939	55,936	80,952	103,710	150,891
0	NON-FARM USE POTASH	7,150	11,917	6,663	11,915	13,813	23,832
498	POTASSIUM MATERIALS - COMPOST	1,949	1,729	5,300	3,748	7,249	5,477
601	BLOOD MEAL	49	119	2,558	166	2,607	285
667	SEWAGE SLUDGE	86,455	107,253	146,295	94,807	232,750	202,060
723	COPPER - ALL MATERIALS	866	3,306	689	442	1,555	3,748
731	IRON - ALL MATERIALS	1,232	1,245	1,499	3,969	2,731	5,214
732	GYPSUM - ALL MATERIALS	528,625	820,461	955,726	1,048,540	1,484,351	1,869,001
770	SULFUR	44,534	66,376	66,605	100,571	111,139	166,947
774	SULFURIC ACID	77,659	72,608	76,526	76,195	154,185	148,803
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	244,735	266,496	173,732	213,871	418,467	480,367
907	LIMING MATERIALS - ALL MATERIALS	108,784	108,988	178,260	239,027	287,044	348,015
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	13,170	18,829	27,394	13,886	40,564	32,715
613	OIM BULK COMPOST - NO NUTRIENTS	137,447	209,056	271,757	367,247	409,204	576,303
0	TOTAL	2,356,879	2,893,123	2,434,607	2,933,893	4,791,486	5,827,016

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	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE
		2019 N	2019 P2O5	2019 K2O	2020 N	2020 P2O5	2020 K2O
0	NON-FARM USE NITROGEN	38,735	0	0	26,908	0	0
0	NON-FARM USE PHOSPHORUS	0	12,133	0	0	20,519	0
0	NON-FARM USE POTASH	0	0	7,150	0	0	11,917
2	ANHYDROUS AMMONIA	4,717	0	0	4,904	0	0
6	AQUA AMMONIA	26,445	0	0	27,812	0	0
10	AMMONIUM NITRATE	320	0	0	659	0	0
12	AMMONIUM NITRATE SOLUTION	4,470	0	0	4,386	0	0
20	AMMONIUM POLYSULFIDE	873	0	0	536	0	0
24	AMMONIUM SULFATE	11,019	0	0	14,528	0	0
31	AMMONIUM THIOSULFATE	4,633	0	0	4,524	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	19,158	0	0	22,537	0	0
43	CALCIUM NITRATE	2,031	0	0	2,467	0	0
58	NITROGEN SOLUTION 28%	740	0	0	572	0	0
60	NITROGEN SOLUTION 32%	123,878	0	0	129,218	0	0
62	SODIUM NITRATE	16	0	0	23	0	0
64	SULFUR COATED UREA	4	0	0	176	0	0
66	UREA	35,827	0	0	43,982	0	0
67	UREA SOLUTION	1,024	0	0	424	0	0
97	NITROGEN MATERIALS - ALL OTHER	126,314	0	0	147,393	0	0
98	NITROGEN MATERIALS - COMPOST	3,381	0	0	7,060	0	0
203	DIAMMONIUM PHOSPHATE	7	17	0	532	1,359	0
207	AMMONIUM PHOSPHATE SULFATE	1,581	1,976	0	2,304	2,881	0
209	MONOAMMONIUM PHOSPHATE	3,044	14,389	0	2,630	12,433	0
248	PHOSPHORIC ACID	0	5,799	0	0	5,568	0
249	LIQUID AMMONIUM POLYPHOSPHATE	4,075	13,855	0	3,519	11,965	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	141	0	0	116	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	55,810	0	0	75,790	0
298	PHOSPHORUS MATERIALS - COMPOST	0	3,729	0	0	2,312	0
428	MURIATE OF POTASH	0	0	12,820	0	0	22,154
443	SULFATE OF POTASH MAGNESIA	0	0	5,993	0	0	3,913
453	POTASSIUM NITRATE	589	0	1,852	643	0	2,020
463	POTASSIUM SULFATE	0	0	23,887	0	0	34,970
497	POTASSIUM MATERIALS - ALL OTHER	0	0	73,714	0	0	104,132
498	POTASSIUM MATERIALS - COMPOST	0	0	1,949	0	0	1,729
601	BLOOD MEAL	6	0	0	14	0	0
667	SEWAGE SLUDGE	5,187	1,729	865	6,435	2,145	1,073
0	TOTAL	418,073	109,579	128,228	454,184	135,088	181,908

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 2019 N	JUL-DEC 2019 P2O5	JUL-DEC 2019 K2O	JUL-DEC 2020 N	JUL-DEC 2020 P2O5	JUL-DEC 2020 K2O
0	NON-FARM USE NITROGEN	16,273	0	0	29,246	0	0
0	NON-FARM USE PHOSPHORUS	0	9,444	0	0	11,820	0
0	NON-FARM USE POTASH	0	0	6,663	0	0	11,915
2	ANHYDROUS AMMONIA	2,790	0	0	3,624	0	0
6	AQUA AMMONIA	2,705	0	0	3,614	0	0
10	AMMONIUM NITRATE	322	0	0	1,701	0	0
12	AMMONIUM NITRATE SOLUTION	4,230	0	0	5,106	0	0
20	AMMONIUM POLYSULFIDE	70	0	0	16	0	0
24	AMMONIUM SULFATE	6,911	0	0	9,787	0	0
31	AMMONIUM THIOSULFATE	1,604	0	0	1,512	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	7,222	0	0	9,677	0	0
43	CALCIUM NITRATE	977	0	0	1,939	0	0
58	NITROGEN SOLUTION 28%	276	0	0	2,175	0	0
60	NITROGEN SOLUTION 32%	46,988	0	0	60,236	0	0
62	SODIUM NITRATE	14	0	0	35	0	0
64	SULFUR COATED UREA	3	0	0	207	0	0
66	UREA	22,753	0	0	34,789	0	0
67	UREA SOLUTION	878	0	0	307	0	0
97	NITROGEN MATERIALS - ALL OTHER	97,530	0	0	69,659	0	0
98	NITROGEN MATERIALS - COMPOST	5,190	0	0	7,989	0	0
203	DIAMMONIUM PHOSPHATE	48	121	0	0	1	0
207	AMMONIUM PHOSPHATE SULFATE	744	930	0	763	1,049	0
209	MONOAMMONIUM PHOSPHATE	3,217	15,209	0	6,392	30,218	0
248	PHOSPHORIC ACID	0	2,518	0	0	9,656	0
249	LIQUID AMMONIUM POLYPHOSPHATE	1,633	5,551	0	4,499	15,297	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	58	0	0	114	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	32,383	0	0	41,998	0
298	PHOSPHORUS MATERIALS - COMPOST	0	7,301	0	0	2,806	0
428	MURIATE OF POTASH	0	0	11,539	0	0	13,223
443	SULFATE OF POTASH MAGNESIA	0	0	2,928	0	0	4,198
453	POTASSIUM NITRATE	452	0	1,421	484	0	1,522
463	POTASSIUM SULFATE	0	0	27,968	0	0	40,476
497	POTASSIUM MATERIALS - ALL OTHER	0	0	38,966	0	0	45,603
498	POTASSIUM MATERIALS - COMPOST	0	0	5,300	0	0	3,748
601	BLOOD MEAL	307	0	0	20	0	0
667	SEWAGE SLUDGE	8,778	2,926	1,463	5,688	1,896	948
0	TOTAL	231,913	76,442	96,247	259,466	114,854	121,632

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 2019 N	JAN-DEC 2019 P2O5	JAN-DEC 2019 K2O	JAN-DEC 2020 N	JAN-DEC 2020 P2O5	JAN-DEC 2020 K2O
0	NON-FARM USE NITROGEN	55,008	0	0	56,154	0	0
0	NON-FARM USE PHOSPHORUS	0	21,577	0	0	32,339	0
0	NON-FARM USE POTASH	0	0	13,813	0	0	23,832
2	ANHYDROUS AMMONIA	7,507	0	0	8,528	0	0
6	AQUA AMMONIA	29,150	0	0	31,426	0	0
10	AMMONIUM NITRATE	642	0	0	2,360	0	0
12	AMMONIUM NITRATE SOLUTION	8,699	0	0	9,493	0	0
20	AMMONIUM POLYSULFIDE	943	0	0	552	0	0
24	AMMONIUM SULFATE	17,930	0	0	24,314	0	0
31	AMMONIUM THIOSULFATE	6,237	0	0	6,036	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	26,380	0	0	32,213	0	0
43	CALCIUM NITRATE	3,008	0	0	4,405	0	0
58	NITROGEN SOLUTION 28%	1,016	0	0	2,747	0	0
60	NITROGEN SOLUTION 32%	170,866	0	0	189,454	0	0
62	SODIUM NITRATE	30	0	0	58	0	0
64	SULFUR COATED UREA	6	0	0	383	0	0
66	UREA	58,581	0	0	78,770	0	0
67	UREA SOLUTION	1,902	0	0	731	0	0
97	NITROGEN MATERIALS - ALL OTHER	223,844	0	0	217,052	0	0
98	NITROGEN MATERIALS - COMPOST	8,571	0	0	15,049	0	0
203	DIAMMONIUM PHOSPHATE	54	138	0	532	1,360	0
207	AMMONIUM PHOSPHATE SULFATE	2,325	2,906	0	3,067	3,929	0
209	MONOAMMONIUM PHOSPHATE	6,261	29,598	0	9,022	42,650	0
248	PHOSPHORIC ACID	0	8,317	0	0	15,224	0
249	LIQUID AMMONIUM POLYPHOSPHATE	5,708	19,406	0	8,018	27,262	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	200	0	0	230	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	88,193	0	0	117,788	0
298	PHOSPHORUS MATERIALS - COMPOST	0	11,030	0	0	5,118	0
428	MURIATE OF POTASH	0	0	24,358	0	0	35,377
443	SULFATE OF POTASH MAGNESIA	0	0	8,921	0	0	8,111
453	POTASSIUM NITRATE	1,041	0	3,272	1,127	0	3,542
463	POTASSIUM SULFATE	0	0	51,855	0	0	75,446
497	POTASSIUM MATERIALS - ALL OTHER	0	0	112,680	0	0	149,735
498	POTASSIUM MATERIALS - COMPOST	0	0	7,249	0	0	5,477
601	BLOOD MEAL	313	0	0	34	0	0
667	SEWAGE SLUDGE	13,965	4,655	2,328	12,123	4,041	2,021
0	TOTAL	649,986	186,021	224,476	713,650	249,942	303,540

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE  
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST  
 JULY-DECEMBER 2020  
 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	2	8	0	7	1	0	33	11	4	99	0	0	29	25	0	230	
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	21	0	0	2	0	0	1	6	0	0	
BUTTE	0	1,790	0	0	0	6,069	39	20	241	84	342	2,793	0	0	3,381	61	1	1,201	
CALAVERAS	0	0	0	0	0	26	0	0	1	0	0	0	0	0	0	11	0	3	
COLUSA	232	2,935	0	0	0	5,705	21	0	929	8	0	3,618	0	0	887	1,022	61	0	
CONTRA COSTA	0	0	18	49	0	55	156	0	153	19	0	595	0	0	265	99	0	163	
DEL NORTE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
EL DORADO	0	0	0	0	0	0	0	0	3	3	0	15	0	0	0	7	0	33	
FRESNO	29	2	21	120	26	1,654	3,163	0	9,074	561	6,090	22,500	108	21	7,958	505	6,771	258	
GLENN	0	1,179	0	0	0	2,620	16	0	136	2	0	1,377	0	0	94	155	0	11	
HUMBOLDT	0	0	0	0	0	0	0	6	0	132	0	0	0	0	0	67	8	481	
IMPERIAL	687	0	99	3,676	0	3,702	537	119	1,624	103	99	24,032	48	0	28,207	5,252	476	5	
INYO	0	0	0	0	0	0	0	0	13	144	0	86	0	0	0	25	0	11	
KERN	80	0	184	7	0	1,000	1,521	0	3,267	254	1	14,272	0	0	720	58	3,121	152	
KINGS	1,427	3	24	0	0	73	183	0	939	101	45	25,233	0	0	385	460	309	4	
LAKE	0	0	0	0	0	103	0	0	149	0	0	65	0	0	47	21	7	5	
LASSEN	0	0	0	179	0	8	0	0	0	0	0	154	0	0	820	2	0	0	
LOS ANGELES	0	75	3	4	0	178	24	0	0	51	0	258	0	0	237	87	2	1,686	
MADERA	0	26	480	367	0	369	123	1	3,059	10	0	13,094	0	0	484	303	355	5	
MARIN	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	226	
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	1	0	0	
MENDOCINO	0	0	10	0	0	33	0	0	11	9	0	22	0	0	23	31	77	92	
MERCED	0	8	185	490	0	2,189	1,143	0	2,137	6,607	0	9,533	0	0	1,194	6	1,840	52	
MODOC	0	0	0	91	0	479	113	0	10	0	44	1,205	0	0	337	604	0	0	
MONO	0	0	0	0	0	37	0	0	0	1	0	17	0	0	21	3	0	0	
MONTEREY	0	0	6	13,113	0	2,131	2,360	0	12,123	434	479	4,860	0	0	3,915	172	17,562	272	
NAPA	5	0	0	0	0	2	0	0	75	35	0	0	0	0	0	75	0	46	
NEVADA	0	0	0	0	0	6	0	0	0	0	0	3	0	0	0	4	1	39	
ORANGE	0	0	9	104	0	309	1	0	193	36	0	162	0	0	94	586	0	1,125	
PLACER	0	1,210	0	161	0	278	0	0	1	12	0	201	0	0	47	19	84	429	
PLUMAS	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0	1	0	1	
RIVERSIDE	20	0	4	2,208	0	408	27	0	2,621	514	0	5,356	0	0	548	5	1,670	2,314	
SACRAMENTO	75	300	0	50	0	422	17	0	219	193	0	980	0	0	6,039	0	523	1,310	
SAN BENITO	0	0	0	9	0	1	10	0	672	50	0	18	0	0	14	0	530	2	
SAN BERNARDINO	0	0	0	0	0	82	8	0	10	44	0	76	0	0	106	1	174	2	
SAN DIEGO	0	0	355	75	0	187	25	0	266	427	18	743	0	0	187	2	743	2	
SAN FRANCISCO	0	0	0	0	0	29	0	0	0	0	0	160	0	0	1	6	0	44	
SAN JOAQUIN	25	0	0	72	0	850	418	0	1,706	146	0	10,563	0	0	2,467	0	2,353	1,403	
SAN LUIS OBISPO	0	0	2	550	0	373	297	0	434	115	7	719	0	4	44	51	594	53	
SAN MATEO	0	0	2	0	0	163	0	0	0	27	0	18	0	0	13	0	81	380	
SANTA BARBARA	0	0	0	3,054	0	183	622	0	1,605	532	40	6,577	0	0	354	240	4,544	229	
SANTA CLARA	0	0	0	5	0	22	13	0	0	49	0	175	3	0	99	1	790	858	
SANTA CRUZ	0	0	0	6	0	223	0	12	1	128	0	73	0	0	77	5	1,622	211	
SHASTA	0	41	7	401	0	1,852	0	0	14	4	0	136	0	0	2,350	0	37	38	
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SISKIYOU	0	0	0	0	0	347	200	0	389	0	0	339	0	0	605	47	134	158	
SOLANO	666	248	0	5	0	685	26	0	365	18	0	2,489	0	0	42	0	1,258	61	
SONOMA	0	76	14	2	0	151	0	8	197	130	0	30	0	0	61	0	736	438	
STANISLAUS	823	0	3,571	1	51	2,419	930	0	6,585	350	0	14,897	0	0	10,106	0	1,745	321	
SUTTER	0	6,698	0	64	0	4,756	96	0	1,059	733	282	3,255	14	0	1,148	0	1,757	5	
TEHAMA	0	37	0	0	0	273	0	0	47	4	0	1,052	1	0	47	0	59	37	
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
TULARE	182	0	8	0	0	1,727	290	0	1,315	544	0	11,522	0	0	976	127	3,265	90	
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
VENTURA	0	303	0	658	0	331	121	0	2,425	197	0	1,824	0	3	197	1	4,225	1,921	
YOLO	169	2,038	0	0	0	3,343	87	0	1,521	26	0	2,695	0	0	407	0	860	26	
YUBA	0	1,015	0	0	0	508	13	0	664	26	316	765	44	0	244	0	61	3	
** UNKNOWN **	0	36	0	2	0	136	0	0	615	49	0	56	0	0	79	0	3,529	38	
TOTAL	4,420	18,070	5,004	25,531	79	46,604	12,601	166	56,922	12,924	7,767	188,238	218	576	75,626	1,537	69,659	7,989	29,246

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 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	1	0	13	0	0	30	0	63	0	59	2	103	55	0	134
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	2	0	0	0	0	0	9	0	22	0	0	0	15	0	0	0
BUTTE	0	193	2,566	0	604	0	0	72	0	1,543	1,425	629	37	7,561	373	1	1,374
CALAVERAS	0	0	2	0	0	0	0	4	0	7	0	0	0	5	0	0	2
COLUSA	0	214	716	213	730	0	0	375	0	28	16	2,315	31	895	510	61	0
CONTRA COSTA	0	0	11	9	422	0	3	186	0	31	28	4	24	42	152	0	67
DEL NORTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EL DORADO	0	0	2	0	1	0	0	14	0	9	0	0	0	5	16	0	13
FRESNO	2	94	2,114	763	6,989	0	8	4,785	624	39	1,033	3,584	275	9,156	5,735	460	79
GLENN	0	348	578	0	7	0	0	172	0	0	82	185	4	5,283	438	0	0
HUMBOLDT	0	0	3	7	0	0	0	34	0	0	0	1	0	1	4	0	381
IMPERIAL	0	3	28,200	4,466	5,439	0	0	6,255	711	0	298	105	0	1,147	1,147	950	0
INYO	0	0	50	0	0	0	0	8	19	0	0	3	5	1	12	14	0
KERN	0	341	1,392	1,903	2,647	0	2	2,756	414	33	1,603	2,611	106	2,517	5,254	681	53
KINGS	0	52	384	859	6,157	0	0	334	307	0	284	326	30	1,775	581	611	0
LAKE	0	8	6	0	43	0	3	7	3	0	0	0	0	18	6	3	0
LASSEN	0	151	248	1	0	0	0	5	0	0	154	0	0	32	6	0	0
LOS ANGELES	0	17	88	25	5	0	3	850	1	711	1	17	20	156	150	2	455
MADERA	0	0	1,052	70	976	0	0	571	230	2	792	1,031	226	3,105	1,338	289	5
MARIN	0	0	0	0	0	0	0	2	0	170	0	0	0	0	1	0	116
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
MENDOCINO	0	1	1	0	11	0	0	75	37	187	0	0	0	86	89	69	167
MERCED	0	0	1,725	5	4,580	0	0	1,357	5	5	2,957	1,494	151	3,808	1,913	4	14
MODOC	0	462	532	0	0	0	0	313	0	0	303	0	0	116	3	3	0
MONO	0	0	7	1	0	0	0	0	0	0	22	0	0	0	1	0	0
MONTEREY	0	0	2,194	2,055	1,201	0	2	4,926	0	98	20	519	319	2,805	6,335	0	182
NAPA	0	74	14	0	7	0	10	86	8	21	0	5	10	346	233	15	31
NEVADA	0	0	0	0	0	0	0	3	1	28	0	0	0	0	5	1	18
ORANGE	0	46	159	1	1	0	4	314	0	490	2	76	14	223	305	0	444
PLACER	0	123	77	0	0	0	0	2	32	103	115	0	0	120	10	67	199
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
RIVERSIDE	0	16	3,769	1,895	2,557	0	11	2,020	70	833	606	47	180	429	479	117	374
SACRAMENTO	0	508	376	1,107	1,366	0	0	359	0	218	175	71	8	335	945	0	381
SAN BENITO	0	0	3	26	0	0	0	246	0	0	0	196	0	49	252	0	0
SAN BERNARDINO	0	3	6	34	0	0	3	19	1	259	68	0	7	13	17	2	521
SAN DIEGO	0	5	260	18	3	0	35	423	8	243	8	220	334	875	279	4	199
SAN FRANCISCO	0	0	0	0	0	0	0	23	0	39	0	103	3	1	5	0	66
SAN JOAQUIN	0	55	721	31	3,147	0	0	1,375	0	258	1,937	185	75	8,362	4,119	0	443
SAN LUIS OBISPO	0	6	5	25	96	0	3	266	0	30	2	0	517	538	584	0	42
SAN MATEO	0	0	0	1	0	0	0	350	0	47	0	0	17	67	0	0	85
SANTA BARBARA	0	4	339	144	1,460	0	14	2,347	13	51	7	278	155	985	2,162	15	73
SANTA CLARA	0	2	0	0	49	0	4	460	7	117	16	68	11	171	498	15	161
SANTA CRUZ	0	12	302	79	146	0	2	996	0	45	0	20	98	222	250	0	57
SHASTA	0	490	376	0	0	0	0	57	0	23	246	1	10	252	33	0	33
SIERRA	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	359	757	0	14	0	0	142	0	73	114	30	0	222	54	0	48
SOLANO	0	140	178	316	340	0	1	413	33	80	208	10	0	997	1,358	37	67
SONOMA	0	41	138	0	59	0	34	717	36	47	2	27	375	431	68	67	151
STANISLAUS	0	184	4,090	19	3,642	0	0	1,374	72	98	6,722	1,957	296	14,993	2,324	103	51
SUTTER	0	294	702	0	50	0	3	128	0	7	646	16	97	1,866	165	0	51
TEHAMA	0	0	142	0	75	0	0	25	0	8	222	149	15	2,989	237	0	8
TRINITY	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	3
TULARE	0	0	2,685	3,753	1,449	0	0	1,921	13	1,027	13	1,507	280	2,529	2,566	32	28
TUOLUMNE	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	2
VENTURA	0	243	316	52	437	0	88	1,291	66	57	33	1,211	4	761	1,125	71	125
YOLO	0	235	568	0	264	0	7	457	12	385	510	80	19	3,110	1,319	23	88
YUBA	0	20	256	0	0	0	0	63	0	0	330	0	33	285	89	0	0
** UNKNOWN **	0	1	0	0	3	0	7	3,581	22	4,471	0	0	0	36	1,511	33	5,127
TOTAL	2	4,766	58,111	17,881	44,990	0	247	41,998	2,806	11,820	22,036	19,082	3,458	80,952	45,603	3,748	11,915



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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	534	74	571	98	0	441	16	6,525
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	210	0	16	0	58	0	0
BUTTE	0	0	5,572	2,642	0	38	0	473	15	3,777
CALAVERAS	0	0	60	0	0	10	0	1	219	0
COLUSA	98	0	28,684	10,493	0	171	244	1,638	0	300
CONTRA COSTA	0	6	1,587	277	0	156	0	639	134	0
DEL NORTE	0	0	23	0	0	0	0	0	0	0
EL DORADO	0	0	1	28	0	11	0	84	17	0
FRESNO	46	76	244,121	8,092	7,486	4,733	3,879	46,784	1,226	47,354
GLENN	0	0	6,735	1,479	0	272	1	242	0	0
HUMBOLDT	0	0	21	2,683	0	0	0	102	573	0
IMPERIAL	0	1	5,612	37,600	0	281	2,719	1,465	0	47,609
INYO	0	5	0	21	0	22	0	11	0	0
KERN	96	27	236,942	10,634	5,029	45,995	382	33,476	87	0
KINGS	7	3	70,186	14,388	6,914	6,318	55,386	8,188	2	2,500
LAKE	0	0	563	0	0	12	0	32	1	375
LASSEN	0	3	1,042	244	0	240	0	19	0	0
LOS ANGELES	0	43	186	17	0	268	348	4,442	163	15,625
MADERA	8	0	11,756	2,084	12,457	871	148	7,998	382	1,441
MARIN	0	0	3	0	0	0	0	34	1	0
MARIPOSA	0	2,960	0	0	0	16	0	0	1	0
MENDOCINO	0	0	876	12	0	0	0	33	70	0
MERCED	28	1	32,424	11,159	1,543	2,324	518	11,967	7	30,076
MODOC	1	0	2,434	323	0	477	6	113	0	1,278
MONO	0	0	147	27	0	18	1	1	0	0
MONTEREY	18	49	12,606	38,411	0	533	109	7,921	64	75,440
NAPA	0	0	1,140	314	0	3	0	53	1,086	7,537
NEVADA	0	0	0	0	0	18	0	43	12	50
ORANGE	0	20	138	66	0	0	26	2,830	154	0
PLACER	0	1	583	929	171	3	0	184	53	0
PLUMAS	0	0	0	0	0	0	0	15	0	0
RIVERSIDE	0	56	1,919	86	13,143	189	26	4,407	109	28,600
SACRAMENTO	0	36	410	276	2,007	836	0	3,714	1,053	0
SAN BENITO	0	0	4,368	254	0	29	13	169	0	1,694
SAN BERNARDINO	0	18	74	45	15,771	49	0	936	507	11,403
SAN DIEGO	5	92	1,090	88	0	4	0	2,576	1,447	3,521
SAN FRANCISCO	0	0	1	2	0	0	0	53	1	0
SAN JOAQUIN	2	319	91,848	25,947	0	12,689	371	9,505	74	0
SAN LUIS OBISPO	5	6	811	1,242	0	130	12	2,272	130	8
SAN MATEO	0	19	30	27	0	0	0	513	10	265
SANTA BARBARA	0	25	7,520	8,525	0	814	1,040	9,603	17	0
SANTA CLARA	0	4	2,468	1,241	286	26	5	497	65	4,700
SANTA CRUZ	0	2	3,084	203	0	240	0	2,079	18	3,848
SHASTA	24	0	3,441	9,022	0	195	16	77	5	0
SIERRA	0	0	24	0	0	0	0	1	0	0
SISKIYOU	0	0	2,569	103	0	660	128	20	0	1,604
SOLANO	0	0	6,384	990	28,400	98	95	460	0	9,300
SONOMA	0	17	3,417	880	0	33	0	321	910	3,857
STANISLAUS	74	76	70,314	34,184	686	9,831	628	7,085	3,134	26,926
SUTTER	0	0	5,509	200	0	343	0	431	2	0
TEHAMA	0	0	3,964	2,356	0	10	0	106	0	500
TRINITY	0	0	0	0	0	0	0	1,902	0	0
TULARE	28	64	96,869	5,162	57	9,549	7,379	16,776	770	13,021
TUOLUMNE	0	0	1	708	0	0	0	0	1	521
VENTURA	1	20	666	141	286	262	2,169	7,689	42	2,513
YOLO	1	1	12,918	4,452	0	513	546	13,126	8	15,077
YUBA	0	0	1,132	202	0	88	0	92	0	0
** UNKNOWN **	0	19	83,804	484	0	1,079	0	174	1,300	0
<b>TOTAL</b>	<b>442</b>	<b>3,969</b>	<b>1,068,611</b>	<b>239,027</b>	<b>94,807</b>	<b>100,571</b>	<b>76,195</b>	<b>213,871</b>	<b>13,886</b>	<b>367,245</b>

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 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	1,026	7,331	374	8,731	292	692	163	1,147	365	78	443	9,174
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	1	293	68	362	1	266	17	284	0	0	0	362
BUTTE	4,526	29,984	6,274	40,784	174	8,431	120	8,725	471	3,662	4,133	44,917
CALAVERAS	63	28	30	121	60	1	10	71	225	6	231	352
COLUSA	4,109	47,256	11,787	63,152	3,123	36,386	1,819	41,328	0	0	0	63,152
CONTRA COSTA	749	2,309	1,900	4,958	369	2,104	192	2,665	247	148	395	5,353
DEL NORTE	0	24	0	24	0	23	0	23	2	1	3	27
EL DORADO	101	44	45	190	76	36	12	124	47	25	72	262
FRESNO	27,375	340,756	91,003	459,134	5,789	274,373	27,570	307,732	1,519	80	1,599	460,733
GLENN	3,002	15,323	3,080	21,405	198	8,446	85	8,729	11	0	11	21,416
HUMBOLDT	40	3,032	9	3,081	10	2,794	2	2,806	1,922	381	2,303	5,384
IMPERIAL	16,354	147,841	49,900	214,095	1,596	41,379	4,703	47,678	5	0	5	214,100
INYO	254	120	104	478	56	3	0	59	11	0	11	489
KERN	13,824	321,662	44,381	379,867	4,490	311,298	11,764	327,552	295	30	325	380,192
KINGS	7,978	102,979	93,822	204,779	508	96,074	57,894	154,476	4	2	6	204,785
LAKE	92	1,033	345	1,470	41	547	19	607	3	9	12	1,482
LASSEN	35	1,761	1,512	3,308	0	373	1,175	1,548	0	0	0	3,308
LOS ANGELES	3,356	2,680	17,148	23,184	1,846	2,399	1,059	5,304	2,631	384	3,015	26,199
MADERA	15,701	26,112	24,545	66,358	1,001	19,366	2,687	23,054	199	6	205	66,563
MARIN	38	15	3	56	35	1	1	37	453	60	513	569
MARIPOSA	21	2,959	5	2,985	21	2,955	0	2,976	1	0	1	2,986
MENDOCINO	352	1,025	129	1,506	137	775	9	921	428	88	516	2,022
MERCED	6,029	99,092	28,259	133,380	524	51,546	6,351	58,421	65	13	78	133,458
MODOC	3	5,192	4,052	9,247	3	880	2,471	3,354	0	0	0	9,247
MONO	2	281	21	304	0	193	1	194	0	0	0	304
MONTEREY	9,242	149,626	53,760	212,628	1,066	57,683	908	59,657	580	26	606	213,234
NAPA	449	9,256	359	10,064	118	1,390	2	1,510	1,172	12	1,184	11,248
NEVADA	8	97	33	138	0	39	25	64	79	15	94	232
ORANGE	2,838	1,571	1,355	5,764	2,040	837	247	3,124	1,377	792	2,169	7,933
PLACER	244	2,460	1,726	4,430	52	1,630	18	1,700	664	120	784	5,214
PLUMAS	1	18	2	21	0	15	0	15	2	0	2	23
RIVERSIDE	16,759	39,389	18,025	74,173	2,324	3,579	780	6,683	3,208	421	3,629	77,802
SACRAMENTO	8,719	5,742	6,138	20,599	1,277	3,480	620	5,377	1,893	960	2,853	23,452
SAN BENITO	2,615	4,441	1,516	8,572	2,353	2,402	78	4,833	2	0	2	8,574
SAN BERNARDINO	15,877	12,869	226	28,972	595	516	11	1,122	3,242	181	3,423	32,395
SAN DIEGO	6,762	4,598	1,037	12,397	2,813	899	143	3,855	3,012	65	3,077	15,474
SAN FRANCISCO	149	27	211	387	27	1	28	56	57	93	150	537
SAN JOAQUIN	5,052	147,350	27,097	179,499	1,336	133,499	5,855	140,690	2,141	28	2,169	181,668
SAN LUIS OBISPO	1,814	5,981	4,695	12,490	359	2,907	1,212	4,478	237	18	255	12,745
SAN MATEO	1,219	399	52	1,670	507	51	31	589	492	30	522	2,192
SANTA BARBARA	3,235	24,724	25,266	53,225	282	23,207	4,038	27,527	356	14	370	53,595
SANTA CLARA	1,687	9,445	573	11,705	651	3,530	60	4,241	1,191	30	1,221	12,926
SANTA CRUZ	2,262	9,234	1,634	13,130	938	4,614	56	5,608	304	27	331	13,461
SHASTA	420	13,374	5,288	19,082	115	7,992	4,668	12,775	65	34	99	19,181
SIERRA	0	4	25	29	0	0	25	25	0	0	0	29
SISKIYOU	105	7,162	1,305	8,572	96	3,247	137	3,480	264	16	280	8,852
SOLANO	30,456	19,485	5,717	55,658	797	6,927	303	8,027	281	6	287	55,945
SONOMA	2,980	8,092	862	11,934	768	3,818	82	4,668	1,266	196	1,462	13,396
STANISLAUS	17,585	174,844	36,244	228,673	2,636	115,410	5,595	123,641	2,011	244	2,255	230,928
SUTTER	1,479	16,675	11,958	30,112	295	6,034	154	6,483	6	13	19	30,131
TEHAMA	230	10,638	1,501	12,369	15	6,388	33	6,436	46	7	53	12,422
TRINITY	0	1,734	170	1,904	0	1,734	168	1,902	3	7	10	1,914
TULARE	8,355	141,022	37,448	186,825	4,576	118,598	12,744	135,918	702	108	810	187,635
TUOLUMNE	709	521	0	1,230	709	0	0	709	0	7	7	1,237
VENTURA	5,449	11,055	13,287	29,791	1,198	5,347	4,403	10,948	2,111	34	2,145	31,936
YOLO	1,947	53,095	9,368	64,410	313	29,957	1,287	31,557	396	266	662	65,072
YUBA	977	2,412	2,947	6,336	870	589	55	1,514	3	0	3	6,339
** UNKNOWN **	78	93,924	1,292	95,294	24	85,525	11	85,560	18,670	1,442	20,112	115,406
<b>TOTAL</b>	<b>254,733</b>	<b>2,140,396</b>	<b>649,913</b>	<b>3,045,042</b>	<b>49,500</b>	<b>1,493,186</b>	<b>161,901</b>	<b>1,704,587</b>	<b>54,737</b>	<b>10,185</b>	<b>64,922</b>	<b>3,109,964</b>

**STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE**  
**TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST**  
**JULY-DECEMBER 2020**  
**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	348	110	260	719	267	79	198	544	81	31	62	175
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	11	9	28	49	2	1	13	16	9	8	15	32
BUTTE	5,880	3,193	6,538	15,611	3,236	1,617	5,208	10,061	2,644	1,577	1,330	5,550
CALAVERAS	20	12	8	40	10	2	3	15	10	10	5	25
COLUSA	4,976	1,182	1,551	7,709	2,154	511	1,223	3,887	2,822	671	328	3,822
CONTRA COSTA	697	372	268	1,337	341	74	150	565	356	298	118	772
DEL NORTE	1	0	2	3	1	0	1	2	0	0	1	1
EL DORADO	46	24	32	102	39	13	22	73	7	11	10	29
FRESNO	25,904	9,509	12,457	47,869	9,101	2,483	7,903	19,487	16,803	7,026	4,554	28,382
GLENN	1,582	545	3,171	5,297	782	478	3,053	4,313	800	66	118	985
HUMBOLDT	577	909	396	1,883	558	581	370	1,509	19	329	26	374
IMPERIAL	32,562	25,893	3,583	62,038	20,537	19,612	3,190	43,340	12,025	6,281	393	18,699
INYO	129	53	29	211	96	52	28	176	33	1	1	35
KERN	10,841	6,025	8,860	25,725	2,497	2,021	4,665	9,183	8,344	4,004	4,195	16,542
KINGS	11,515	3,546	2,404	17,465	1,106	687	1,988	3,781	10,409	2,859	416	13,684
LAKE	129	34	28	190	64	14	14	92	64	20	14	98
LASSEN	517	165	114	797	431	163	113	708	86	2	1	89
LOS ANGELES	2,047	1,628	698	4,373	1,753	1,563	541	3,857	294	65	157	516
MADERA	7,726	1,969	4,121	13,816	1,844	1,124	2,498	5,466	5,882	845	1,623	8,350
MARIN	231	172	117	520	228	118	113	459	3	54	4	61
MARIPOSA	3	1	2	6	1	1	2	4	2	0	0	2
MENDOCINO	233	303	368	904	186	282	278	745	47	22	90	159
MERCED	8,377	3,855	6,019	18,251	3,089	1,446	4,535	9,070	5,288	2,409	1,484	9,181
MODOC	1,064	682	246	1,991	632	595	243	1,470	431	87	3	521
MONO	27	4	14	45	19	4	14	37	7	1	0	8
MONTEREY	27,246	7,684	8,186	43,116	9,593	3,642	5,024	18,259	17,653	4,042	3,163	24,857
NAPA	176	144	458	778	105	88	284	477	71	56	174	301
NEVADA	46	32	24	102	40	26	18	84	6	6	6	18
ORANGE	1,960	899	885	3,743	1,232	467	514	2,213	728	432	371	1,531
PLACER	991	205	407	1,603	585	146	371	1,102	406	59	36	501
PLUMAS	3	0	1	4	3	0	1	4	0	0	0	0
RIVERSIDE	8,678	7,047	1,769	17,494	4,409	3,806	1,519	9,734	4,269	3,241	250	7,760
SACRAMENTO	5,593	1,976	1,639	9,208	3,867	603	695	5,165	1,726	1,373	944	4,043
SAN BENITO	669	261	313	1,243	142	115	146	403	527	146	167	840
SAN BERNARDINO	3,360	617	748	4,725	3,203	583	712	4,498	157	34	36	227
SAN DIEGO	2,472	837	1,120	4,429	2,134	789	1,066	3,989	338	48	54	440
SAN FRANCISCO	108	62	95	266	32	20	47	99	76	42	48	166
SAN JOAQUIN	9,332	3,106	9,979	22,417	3,316	1,216	7,425	11,957	6,016	1,890	2,554	10,460
SAN LUIS OBISPO	4,082	347	1,124	5,553	3,160	139	526	3,824	923	209	598	1,729
SAN MATEO	514	398	203	1,115	494	392	190	1,076	20	6	13	38
SANTA BARBARA	8,406	3,169	2,876	14,451	1,273	647	1,216	3,136	7,133	2,522	1,660	11,314
SANTA CLARA	1,808	609	812	3,229	1,548	543	760	2,851	260	66	52	378
SANTA CRUZ	2,025	694	466	3,184	889	473	402	1,763	1,136	220	64	1,421
SHASTA	1,803	374	344	2,521	1,658	339	332	2,329	145	35	12	192
SIERRA	1	1	0	1	1	1	0	1	0	0	0	0
SISKIYOU	1,120	685	289	2,094	799	599	286	1,685	320	86	3	409
SOLANO	4,900	1,501	2,372	8,774	2,689	1,173	2,168	6,030	2,211	328	204	2,744
SONOMA	1,425	916	767	3,107	1,211	751	511	2,472	215	165	256	636
STANISLAUS	16,265	4,971	14,675	35,910	7,873	2,699	13,225	23,797	8,392	2,272	1,450	12,113
SUTTER	6,208	577	1,437	8,222	3,471	482	1,387	5,340	2,737	95	50	2,882
TEHAMA	564	134	1,912	2,611	142	82	1,812	2,036	423	53	100	575
TRINITY	5	4	3	12	2	1	0	3	3	3	3	9
TULARE	8,934	5,894	4,962	19,790	1,803	2,007	3,129	6,940	7,131	3,887	1,833	12,851
TUOLUMNE	1	3	2	6	0	0	0	0	1	3	2	6
VENTURA	7,736	1,850	1,992	11,577	4,585	1,169	1,323	7,077	3,151	681	669	4,500
YOLO	3,767	1,289	3,317	8,373	1,666	741	2,600	5,007	2,100	549	717	3,366
YUBA	997	200	454	1,652	304	177	407	888	693	23	47	763
** UNKNOWN **	12,984	8,078	6,689	27,751	12,488	7,864	6,407	26,759	496	214	282	992
<b>TOTAL</b>	<b>255,099</b>	<b>114,895</b>	<b>119,349</b>	<b>489,343</b>	<b>119,167</b>	<b>65,437</b>	<b>88,584</b>	<b>273,188</b>	<b>135,932</b>	<b>49,459</b>	<b>30,765</b>	<b>216,155</b>

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE  
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST  
 JANUARY-DECEMBER 2020  
 TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN
ALAMEDA	0	5	21	8	0	58	26	0	39	20	4	541	0	0	136	0	223	0	485
ALPINE	0	0	0	0	0	12	0	0	0	0	0	53,353	0	0	2	0	0	0	0
AMADOR	0	0	0	0	0	2	0	0	21	0	0	4	0	0	5	0	50	0	0
BUTTE	0	33,580	0	0	0	17,432	1,363	20	5,235	274	342	17,538	2	0	6,874	102	1,128	21	2,089
CALAVERAS	0	0	0	0	0	44	25	0	21	0	0	4	0	0	5	0	16	0	9
COLUSA	610	37,779	0	0	0	10,135	137	0	6,798	9	0	18,019	0	0	4,637	50	3,350	101	4
CONTRA COSTA	0	128	33	101	0	173	409	0	429	34	0	2,427	0	0	2,204	3	1,399	0	560
DEL NORTE	0	0	0	0	0	5	0	0	0	90	0	0	0	0	11	0	4	0	3
EL DORADO	0	0	0	0	0	38	1	0	4	12	0	21	0	0	13	0	68	0	76
FRESNO	139	52	29	122	220	6,653	16,285	0	22,575	3,636	6,124	85,553	113	21	18,414	1,173	34,906	2,862	718
GLENN	0	21,492	28	0	0	7,275	64	0	1,201	22	0	11,933	0	0	714	48	1,887	2	26
HUMBOLDT	0	0	0	0	0	0	0	19	3	219	0	0	0	0	0	0	206	52	1,794
IMPERIAL	2,060	0	153	6,328	0	8,859	663	150	5,657	105	964	51,283	100	0	60,162	0	12,894	1,002	5
INYO	0	0	0	0	0	10	0	0	25	203	0	0	166	0	39	0	63	34	11
KERN	169	1	198	70	1,168	2,369	7,403	0	10,175	677	149	80,173	0	0	2,325	215	12,143	1,402	500
KINGS	2,582	14	24	0	0	228	1,852	0	4,556	267	0	1,477	78	0	1,477	78	2,128	387	247
LAKE	0	0	0	0	0	207	0	0	289	0	0	132	0	0	87	0	185	14	23
LASSEN	0	0	0	313	0	25	6	0	735	52	0	231	0	0	1,048	0	9	0	2
LOS ANGELES	0	202	6	430	0	441	83	0	716	69	0	342	0	0	472	1	942	2	6,262
MADERA	0	41	845	1,104	0	500	1,676	1	13,484	190	2	38,283	0	0	1,400	470	6,582	377	11
MARIN	0	0	1	0	0	21	0	0	0	0	0	0	0	0	2	0	73	0	340
MARIPOSA	0	0	0	0	0	8	0	0	1	0	0	8	0	0	0	0	0	0	0
MENDOCINO	0	439	10	0	0	87	0	0	32	87	0	38	0	0	270	0	263	170	0
MERCED	16	10	188	951	83	3,153	4,398	0	14,270	13,223	0	24,692	0	0	3,170	22	9,628	66	144
MODOC	0	0	0	118	0	1,306	156	0	30	0	44	1,389	0	0	778	1,427	0	0	126
MONO	0	0	0	0	0	249	0	0	0	1	0	19	0	0	51	0	7	0	0
MONTEREY	0	0	308	22,746	0	2,686	3,313	40	18,923	801	677	8,228	0	0	4,830	582	38,747	1	390
NAPA	5	0	7	0	0	7	0	0	306	148	0	31	0	0	30	0	389	20	102
NEVADA	0	0	0	3	14	9	0	0	0	1	0	7	0	0	0	0	17	3	129
ORANGE	0	0	18	157	0	573	157	0	424	52	0	233	0	0	282	3	1,733	0	1,929
PLACER	0	2,749	0	319	0	630	4	0	2	21	0	538	0	0	117	0	415	173	851
PLUMAS	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	17	0	6
RIVERSIDE	48	0	154	3,867	0	1,155	70	0	6,277	662	0	16,438	0	0	2,150	6	4,085	2,593	4,620
SACRAMENTO	513	1,695	3	50	692	692	161	0	1,243	605	0	3,393	0	0	6,979	0	2,638	0	2,606
SAN BENITO	0	0	0	13	0	8	12	0	1,108	80	7	61	0	0	60	0	867	401	12
SAN BERNARDINO	0	0	0	8	0	1,214	13	0	29	51	0	265	0	0	1,059	2	589	60	5,139
SAN DIEGO	0	0	1,267	132	0	379	42	0	506	732	18	420	0	0	361	4	2,786	4	2,279
SAN FRANCISCO	0	329	0	0	0	160	0	0	0	0	0	165	0	0	39	0	12	0	85
SAN JOAQUIN	129	0	24	142	0	4,404	2,454	0	10,972	427	1	23,163	0	202	4,982	39	15,550	0	3,609
SAN LUIS OBISPO	0	26	2	1,128	0	726	443	0	1,288	251	59	1,157	0	6	106	84	2,409	2,778	103
SAN MATEO	0	93	4	0	0	349	34	0	0	53	1	57	0	0	31	0	511	0	670
SANTA BARBARA	0	0	0	6,626	0	478	1,581	0	3,036	877	40	11,889	0	0	1,817	350	7,479	678	387
SANTA CLARA	0	0	0	8	0	186	49	0	0	61	0	411	3	0	204	1	2,929	60	1,413
SANTA CRUZ	0	0	0	21	0	491	0	37	1	163	0	78	0	0	119	5	2,371	0	317
SHASTA	0	53	13	692	0	2,670	0	0	70	10	0	182	0	0	3,250	0	108	0	63
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
SISKIYOU	0	0	1	0	0	1,122	291	0	765	0	0	638	0	54	1,841	47	272	123	544
SOLANO	1,570	529	0	5	0	2,712	26	0	1,661	93	0	7,418	0	0	474	0	2,115	155	340
SONOMA	0	178	22	27	0	203	0	18	487	451	0	89	0	0	174	0	1,483	107	1,163
STANISLAUS	1,306	0	3,571	14	62	9,181	3,266	0	28,702	970	5	45,195	0	0	14,971	0	6,148	166	869
SUTTER	0	38,006	0	127	323	12,642	487	0	2,718	1,198	569	10,949	28	0	3,323	12	2,398	23	9
TEHAMA	0	363	0	0	0	2,727	19	0	372	118	0	3,526	27	0	171	0	452	0	139
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	16
TULARE	993	2	12	2	0	3,498	2,472	0	6,218	1,928	67	34,643	0	0	3,731	352	12,991	1,018	230
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
VENTURA	0	477	0	1,184	0	401	210	0	4,728	284	23	2,969	0	4	622	6	7,989	76	2,271
YOLO	260	11,833	0	0	203	5,226	320	0	10,525	58	0	30,391	0	0	13,276	0	3,750	52	360
YUBA	0	6,104	0	648	0	1,775	135	0	1,590	51	632	2,327	88	0	1,072	0	217	27	46
*** UNKNOWN **	0	948	0	0	2	188	175	0	1,195	53	0	434	0	0	239	0	7,426	38	11,512
<b>TOTAL</b>	<b>10,400</b>	<b>157,128</b>	<b>6,942</b>	<b>47,463</b>	<b>2,759</b>	<b>115,783</b>	<b>50,298</b>	<b>285</b>	<b>189,490</b>	<b>29,369</b>	<b>9,811</b>	<b>592,044</b>	<b>361</b>	<b>1,065</b>	<b>171,238</b>	<b>3,655</b>	<b>217,052</b>	<b>15,049</b>	<b>58,154</b>

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 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	1	49	4	0	17	0	0	37	0	123	41	59	3	111	65	0	428
ALPINE	0	0	3	0	0	0	0	0	0	0	6	0	0	0	0	0	0
AMADOR	0	2	0	0	0	0	0	29	0	0	22	0	0	0	31	0	0
BUTTE	5	893	4,459	0	3,792	0	1	959	21	2,732	4,571	753	135	14,418	1,709	23	2,447
CALAVERAS	0	0	4	0	0	0	0	9	0	9	14	0	0	26	12	0	41
COLUSA	56	2,531	2,363	238	3,582	0	0	1,852	68	3	234	2,827	93	1,658	3,169	104	2
CONTRA COSTA	1	523	25	15	540	0	5	697	0	150	112	19	37	48	1,113	0	298
DEL NORTE	0	0	1	6	0	0	0	0	0	0	5	0	0	0	1	0	3
EL DORADO	0	0	2	4	1	0	42	0	1	0	20	0	15	39	37	0	26
FRESNO	421	713	2,580	1,437	9,036	0	32	16,203	890	144	7,898	7,601	557	14,934	18,438	721	259
GLENN	52	1,008	2,423	0	50	0	0	2,029	3	0	350	653	48	8,938	6,366	3	1
HUMBOLDT	8	0	3	7	0	0	0	76	0	2,360	0	1	3	0	31	11	1,274
IMPERIAL	0	5	32,496	7,188	7,208	0	0	10,455	1,204	0	503	696	132	4,124	1,594	0	1,042
INYO	0	24	73	1	0	0	0	18	19	0	2	3	9	7	26	14	0
KERN	539	3,412	2,458	2,945	6,010	0	3	7,841	1,158	127	6,999	7,600	533	17,500	20,358	1,020	544
KINGS	106	87	422	2,208	9,087	0	0	1,967	381	2	1,628	909	100	2,616	6,909	631	23
LAKE	0	14	21	0	185	0	3	133	0	0	0	0	0	104	13	0	33
LASSEN	0	185	495	1	0	0	0	20	0	1	437	55	0	29	0	1	1
LOS ANGELES	35	189	131	215	8	0	4	1,405	1	1,382	85	22	42	716	1,529	2	1,462
MADERA	4	25	1,092	207	0	0	0	7,648	243	2	2,343	2,047	1,033	5,584	10,673	308	5
MARIN	0	0	0	0	0	0	0	2	0	222	0	0	0	0	1	0	174
MARIPOSA	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0
MENDOCINO	0	9	4	0	17	0	5	124	81	842	0	4	0	161	154	152	669
MERCED	14	54	2,243	23	5,435	0	0	3,803	35	13	5,575	1,844	375	6,069	6,274	47	34
MODOC	0	1,835	1,541	0	7	0	0	313	0	64	875	82	0	430	3	3	0
MONO	0	0	23	3	0	0	0	0	0	0	98	6	1	1	2	0	0
MONTEREY	0	1	2,409	2,582	1,507	0	5	10,953	0	156	32	759	443	3,773	11,181	1	249
NAPA	2	106	49	0	34	0	12	420	9	38	0	5	32	405	799	17	59
NEVADA	0	0	1	0	0	0	0	0	2	61	9	0	0	0	12	3	39
ORANGE	3	80	164	1	28	0	9	705	0	743	12	104	22	287	678	0	645
PLACER	3	255	154	0	0	0	0	296	86	176	257	0	0	176	167	137	421
PLUMAS	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	3
RIVERSIDE	13	22	4,959	2,151	5,357	0	31	3,002	141	1,768	1,588	98	261	823	1,662	230	1,434
SACRAMENTO	2	786	595	1,107	1,378	0	0	1,417	0	397	357	93	10	443	2,371	0	737
SAN BENITO	0	0	3	26	0	0	0	555	0	0	0	282	0	96	433	0	0
SAN BERNARDINO	2	35	982	93	0	0	26	53	33	441	75	21	19	1,145	56	49	1,305
SAN DIEGO	17	11	406	36	6	0	120	1,187	15	407	385	423	421	1,517	964	9	568
SAN FRANCISCO	0	0	7	0	0	0	0	24	0	66	0	103	3	7	5	0	112
SAN JOAQUIN	107	71	1,823	231	4,154	0	13	9,245	0	423	4,663	261	105	11,760	11,399	0	1,246
SAN LUIS OBISPO	15	34	9	28	138	0	8	1,150	3	40	152	9	913	966	1,859	2	90
SAN MATEO	0	0	0	1	0	0	0	542	0	99	33	0	28	71	185	0	190
SANTA BARBARA	1,246	35	439	323	1,554	0	39	4,265	14	77	202	831	399	2,091	4,018	16	221
SANTA CLARA	0	6	0	2	76	0	5	1,621	22	170	36	185	14	238	1,624	46	370
SANTA CRUZ	3	12	316	81	163	0	9	840	0	66	0	21	126	332	398	0	68
SHASTA	0	807	926	0	0	0	0	99	0	39	569	1	17	312	79	0	51
SIERRA	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	1,095	1,498	0	28	0	0	252	0	197	1,032	279	1	589	65	0	171
SOLANO	0	314	245	316	1,256	0	2	860	82	100	208	13	52	1,620	2,140	92	145
SONOMA	0	43	196	0	188	0	44	1,365	51	403	3	21	58	683	1,039	96	446
STANISLAUS	20	260	6,027	51	0	0	0	4,446	72	11,793	10,867	2,413	662	22,857	11,280	103	376
SUTTER	1	2,193	1,663	0	1,896	0	3	678	26	9	1,343	165	181	3,776	633	26	81
TEHAMA	0	50	1,303	0	148	0	0	83	0	9	234	291	87	5,332	701	0	20
TRINITY	0	0	0	0	0	0	0	0	0	83	0	0	0	0	0	1	11
TULARE	254	0	3,054	6,414	2,282	0	0	5,700	304	68	2,439	3,882	924	7,226	7,960	359	64
TUOLUMNE	0	0	0	0	0	0	0	1	0	3	0	0	0	0	1	0	21
VENTURA	27	272	519	221	501	0	88	2,588	78	133	159	1,281	10	2,409	2,623	85	183
YOLO	0	872	725	33	2,604	0	18	2,167	31	553	1,240	84	66	3,714	3,297	48	197
YUBA	0	248	671	0	225	0	0	207	30	4	1,265	26	79	743	266	30	19
** UNKNOWN **	0	12	11	0	5,369	0	14	7,046	22	5,983	0	0	0	59	3,119	33	6,719
TOTAL	2,957	19,169	82,020	28,193	80,181	0	500	117,788	5,118	32,339	58,959	36,869	8,050	150,891	149,735	5,477	23,832

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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	13	555	74	571	116	0	943	33	10,025
ALPINE	0	0	0	0	0	0	0	1	0	0
AMADOR	0	0	0	210	0	24	0	179	0	0
BUTTE	13	0	8,893	2,794	0	546	0	3,421	27	4,104
CALAVERAS	0	0	228	0	0	22	0	7	219	0
COLUSA	1,042	1	34,258	11,515	0	394	1,304	5,710	0	4,141
CONTRA COSTA	0	10	1,616	298	0	276	0	1,172	137	0
DEL NORTE	0	0	23	0	0	1	0	6	0	0
EL DORADO	0	0	13	165	0	26	0	128	3,873	0
FRESNO	172	224	335,875	9,142	14,915	10,580	9,854	98,913	1,756	55,311
GLENN	60	0	11,263	1,983	0	1,277	2	2,443	0	0
HUMBOLDT	0	3	68	5,426	114	0	0	320	743	0
IMPERIAL	0	12	6,546	70,816	0	1,155	4,116	3,077	3	59,227
INYO	0	10	0	32	0	46	0	71	0	0
KERN	497	39	523,623	16,320	20,572	59,374	6,590	98,482	92	1,292
KINGS	17	9	286,082	18,216	7,200	10,453	93,140	15,350	3	2,500
LAKE	0	0	695	73	0	15	0	106	2	6,059
LASSEN	0	8	1,460	458	0	252	0	73	1	0
LOS ANGELES	0	68	695	194	114	886	473	7,324	3,479	41,874
MADERA	20	11	16,294	2,113	18,628	2,428	3,359	13,303	407	2,340
MARIN	0	0	6	0	0	0	0	69	2	0
MARIPOSA	0	2,960	1	1	0	16	0	6	2	0
MENDOCINO	0	0	1,060	56	0	0	0	147	110	0
MERCED	1,458	11	42,300	14,676	1,829	7,505	1,323	25,230	11	45,702
MODOC	1	0	2,508	323	0	1,260	6	696	0	1,796
MONO	0	0	147	74	0	18	1	26	0	0
MONTEREY	20	71	20,099	63,177	0	689	132	11,910	247	108,812
NAPA	0	1	1,611	639	0	3	0	1,442	1,086	17,679
NEVADA	0	0	9	4	0	18	0	89	52	150
ORANGE	0	119	345	128	0	48	26	5,011	163	16,102
PLACER	0	1	721	1,520	171	4	0	476	139	0
PLUMAS	0	0	0	0	0	0	0	23	0	0
RIVERSIDE	2	228	2,384	125	16,686	308	77	7,679	196	42,896
SACRAMENTO	50	99	965	369	3,757	1,864	0	10,022	3,980	0
SAN BENITO	0	0	5,609	335	0	74	53	214	0	1,718
SAN BERNARDINO	0	70	420	73	28,914	155	0	2,782	918	21,775
SAN DIEGO	8	192	2,103	254	0	9	0	3,312	2,312	6,991
SAN FRANCISCO	0	3	8	2	0	0	0	68	1	0
SAN JOAQUIN	105	461	102,863	29,871	0	21,167	781	22,914	111	12
SAN LUIS OBISPO	10	18	1,201	1,288	0	138	17	3,252	131	33
SAN MATEO	0	88	105	178	0	2	0	1,315	14	265
SANTA BARBARA	0	32	12,950	13,007	0	1,525	2,191	14,951	75	0
SANTA CLARA	0	10	3,025	1,343	286	37	16	1,202	85	4,700
SANTA CRUZ	0	6	3,262	303	0	249	1	3,305	21	4,050
SHASTA	33	3	4,190	15,438	0	356	18	509	7	69
SIERRA	0	0	24	0	0	0	0	1	0	0
SISKIYOU	2	7	2,841	103	0	2,276	221	847	2	3,842
SOLANO	50	0	7,365	1,143	82,217	138	167	3,729	0	11,800
SONOMA	4	45	9,180	1,555	0	54	0	1,200	1,346	3,857
STANISLAUS	104	156	83,140	38,997	1,143	22,731	957	17,874	7,717	40,781
SUTTER	16	1	8,070	707	0	832	0	3,279	2	394
TEHAMA	0	12	4,627	2,432	0	26	0	1,100	0	670
TRINITY	0	0	7	0	0	0	0	1,902	3	0
TULARE	49	142	158,469	11,731	57	14,759	19,903	35,765	1,143	21,162
TUOLUMNE	0	0	4	2,825	0	0	0	0	1	1,564
VENTURA	10	45	1,102	148	686	496	3,029	11,350	59	4,975
YOLO	4	1	14,615	4,453	4,200	842	1,033	34,769	16	22,540
YUBA	1	0	1,730	225	0	176	0	320	1	0
** UNKNOWN **	0	24	161,819	683	0	1,301	13	536	1,987	5,093
<b>TOTAL</b>	<b>3,748</b>	<b>5,214</b>	<b>1,889,072</b>	<b>348,015</b>	<b>202,060</b>	<b>166,947</b>	<b>148,803</b>	<b>480,351</b>	<b>32,715</b>	<b>576,301</b>

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 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	1,686	11,173	906	13,765	626	871	204	1,701	899	169	1,068	14,833
ALPINE	0	24	0	24	0	1	0	1	0	0	0	24
AMADOR	16	456	107	579	2	382	29	413	0	0	0	579
BUTTE	8,754	62,288	64,379	135,421	1,196	14,041	430	15,667	1,080	6,215	7,295	142,716
CALAVERAS	117	215	105	437	107	124	26	257	235	6	241	678
COLUSA	10,117	67,659	80,991	158,767	5,790	40,732	7,702	54,224	8	1	9	158,776
CONTRA COSTA	1,982	5,478	6,387	13,847	776	2,289	307	3,372	937	208	1,145	14,992
DEL NORTE	0	143	10	153	0	30	0	30	5	1	6	159
EL DORADO	294	239	134	667	126	176	30	332	3,965	30	3,995	4,662
FRESNO	53,658	499,044	262,636	815,338	10,441	390,950	63,376	464,767	2,628	235	2,863	818,201
GLENN	4,269	38,950	40,398	83,617	594	15,473	961	17,028	27	0	27	83,644
HUMBOLDT	271	6,275	32	6,578	103	5,692	22	5,817	5,535	666	6,201	12,779
IMPERIAL	33,557	226,390	102,029	361,976	2,980	74,155	8,587	85,722	8	0	8	361,984
INYO	508	190	197	895	154	5	0	159	11	0	11	906
KERN	47,905	699,109	176,836	923,850	11,343	655,061	38,521	704,925	1,170	45	1,215	925,065
KINGS	9,920	335,319	182,451	527,690	880	324,663	97,724	423,267	136	139	275	527,965
LAKE	405	7,147	890	8,442	137	681	71	889	22	12	34	8,476
LASSEN	118	2,690	3,116	5,924	3	423	1,825	2,251	1	4	5	5,929
LOS ANGELES	7,480	6,710	45,528	59,718	3,981	4,150	1,509	9,640	11,851	734	12,585	72,303
MADERA	26,630	38,173	91,912	156,715	1,274	27,070	9,373	37,717	230	6	236	156,951
MARIN	150	21	4	175	71	3	1	75	676	62	738	913
MARIPOSA	21	2,967	17	3,005	21	2,963	0	2,984	2	0	2	3,007
MENDOCINO	1,154	1,455	741	3,350	372	824	67	1,263	1,920	164	2,130	5,480
MERCED	10,850	155,227	79,618	245,695	2,569	75,254	14,680	92,503	183	19	202	245,897
MODOC	90	12,215	4,622	16,927	3	2,211	2,580	4,794	190	0	190	17,117
MONO	6	697	25	728	0	265	1	266	0	0	0	728
MONTEREY	16,499	223,250	100,699	340,448	4,492	89,580	2,036	96,108	801	231	1,032	341,480
NAPA	1,175	20,908	2,125	24,208	422	2,683	591	3,696	1,282	13	1,295	25,503
NEVADA	35	257	69	361	13	77	33	123	231	47	278	639
ORANGE	6,480	18,488	2,582	27,550	4,290	1,152	279	5,721	2,520	914	3,434	30,984
PLACER	927	4,314	4,134	9,375	199	2,504	19	2,722	1,391	196	1,587	10,962
PLUMAS	6	38	2	46	0	23	0	23	11	0	11	57
RIVERSIDE	25,010	62,558	40,717	128,285	4,760	4,360	1,683	10,803	7,127	834	7,961	136,246
SACRAMENTO	12,748	12,186	18,772	43,706	2,932	7,054	3,593	13,579	5,658	1,848	7,506	51,212
SAN BENITO	58,345	5,197	2,936	66,478	3,432	2,704	149	6,285	12	0	12	66,490
SAN BERNARDINO	30,850	28,695	523	60,068	2,547	936	17	3,500	7,452	351	7,803	67,871
SAN DIEGO	11,862	11,426	1,749	25,037	4,203	1,475	200	5,878	5,479	85	5,564	30,601
SAN FRANCISCO	184	206	545	935	48	5	28	81	124	140	264	1,199
SAN JOAQUIN	7,939	194,448	82,117	284,504	2,676	155,440	20,055	178,171	5,334	46	5,380	289,884
SAN LUIS OBISPO	3,863	7,891	9,950	21,704	639	3,897	1,388	5,924	344	20	364	22,068
SAN MATEO	3,019	701	226	3,946	1,409	247	32	1,688	928	45	973	4,919
SANTA BARBARA	6,321	43,245	45,434	95,000	796	37,356	6,525	44,677	721	18	739	95,739
SANTA CLARA	3,868	11,370	3,172	18,410	1,307	4,150	176	5,633	1,953	85	2,038	20,448
SANTA CRUZ	4,466	9,968	2,329	16,763	1,999	4,887	240	7,126	425	47	472	17,235
SHASTA	1,167	22,922	6,385	30,474	635	14,582	5,330	20,547	94	66	160	30,634
SIERRA	3	4	25	32	0	0	25	25	0	0	0	32
SISKIYOU	501	16,941	2,293	19,735	331	5,717	249	6,297	811	103	914	20,649
SOLANO	33,477	27,165	16,686	77,328	3,350	8,459	783	12,592	478	70	548	77,876
SONOMA	6,260	14,232	2,906	23,398	1,600	9,696	742	12,038	2,465	416	2,881	26,279
STANISLAUS	25,212	240,254	119,278	384,744	6,144	139,727	19,537	165,408	7,400	11,905	19,305	404,049
SUTTER	4,599	37,560	56,514	98,673	1,045	11,390	470	12,905	13	15	28	98,701
TEHAMA	553	19,167	5,151	24,871	27	8,073	97	8,197	160	8	168	25,039
TRINITY	7	1,736	170	1,913	7	1,734	168	1,909	104	9	113	2,026
TULARE	18,385	245,765	106,703	370,853	8,646	199,609	32,654	240,909	1,285	129	1,414	372,267
TUOLUMNE	2,807	1,590	0	4,397	2,803	26	0	2,829	0	7	7	4,404
VENTURA	10,403	16,865	24,407	51,675	2,567	6,255	7,358	16,180	2,608	38	2,646	54,321
YOLO	7,508	101,163	64,579	173,250	953	52,353	2,411	55,717	853	273	1,126	174,376
YUBA	1,281	7,400	12,227	20,908	967	1,417	68	2,452	70	0	70	20,978
** UNKNOWN **	165	186,195	9,499	195,859	93	164,204	79	164,376	23,185	2,609	25,794	221,653
<b>TOTAL</b>	<b>525,883</b>	<b>3,774,359</b>	<b>1,888,975</b>	<b>6,189,217</b>	<b>108,881</b>	<b>2,580,261</b>	<b>355,041</b>	<b>3,044,183</b>	<b>113,038</b>	<b>29,284</b>	<b>142,322</b>	<b>6,331,539</b>

**STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE**  
**TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST**  
**JANUARY-DECEMBER 2020**  
**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	1,024	189	591	1,804	753	145	487	1,386	270	44	104	419
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	58	29	44	131	43	9	21	74	15	20	23	58
BUTTE	24,635	7,501	14,356	46,492	8,199	3,620	11,421	23,240	16,436	3,881	2,935	23,252
CALAVERAS	45	20	37	102	24	7	28	59	21	13	9	43
COLUSA	23,768	5,031	4,907	33,706	6,166	2,388	2,366	10,920	17,602	2,642	2,541	22,786
CONTRA COSTA	4,116	1,159	1,523	6,798	2,232	465	705	3,402	1,884	694	818	3,396
DEL NORTE	27	4	7	37	23	1	6	29	4	3	1	8
EL DORADO	170	66	97	333	129	31	78	238	41	36	19	95
FRESNO	86,595	23,076	33,690	143,361	23,962	4,104	18,897	46,963	62,633	18,972	14,793	96,398
GLENN	12,571	3,534	11,214	27,320	3,370	3,017	8,014	14,401	9,201	518	3,200	12,919
HUMBOLDT	2,097	2,483	1,320	5,900	2,045	1,947	1,261	5,252	52	537	59	647
IMPERIAL	68,529	34,890	5,211	108,630	41,277	23,120	4,519	68,916	27,251	11,770	693	39,714
INYO	229	80	49	359	169	79	48	296	60	2	1	63
KERN	47,510	15,381	36,984	99,874	7,172	5,095	23,886	36,153	40,338	10,286	13,098	63,721
KINGS	25,399	7,062	10,164	42,625	2,252	949	3,497	6,698	23,147	6,113	6,667	35,927
LAKE	411	224	225	860	274	50	188	512	137	174	37	348
LASSEN	852	316	320	1,489	586	313	318	1,218	266	3	2	271
LOS ANGELES	7,961	3,033	3,426	14,419	7,242	2,823	3,086	13,151	719	210	340	1,269
MADERA	24,675	9,587	16,276	50,539	3,206	1,413	5,337	9,956	21,469	8,174	10,939	40,583
MARIN	419	224	175	818	414	170	170	754	5	54	5	64
MARIPOSA	5	1	2	8	1	1	2	4	4	0	0	4
MENDOCINO	1,207	1,059	1,056	3,322	1,018	992	862	2,872	189	67	194	450
MERCED	26,050	6,932	13,323	46,306	7,397	2,241	8,391	18,029	18,653	4,691	4,932	28,277
MODOC	2,305	1,548	764	4,617	1,772	1,424	759	3,956	532	124	5	661
MONO	92	15	63	169	84	13	63	160	8	2	0	10
MONTEREY	53,734	14,271	13,699	81,703	16,352	4,933	6,985	28,270	37,382	9,338	6,714	53,434
NAPA	647	532	1,103	2,282	297	178	556	1,031	350	354	547	1,251
NEVADA	156	71	59	286	127	49	45	221	29	22	14	65
ORANGE	4,161	1,565	1,506	7,232	3,031	828	899	4,758	1,130	737	607	2,474
PLACER	2,484	674	969	4,127	1,547	359	850	2,757	937	314	119	1,370
PLUMAS	24	2	4	30	24	2	4	30	0	0	0	0
RIVERSIDE	21,956	10,831	4,993	37,780	11,860	5,613	3,988	21,461	10,096	5,218	1,005	16,319
SACRAMENTO	11,472	3,423	3,608	18,502	5,901	1,079	1,318	8,298	5,571	2,344	2,290	10,204
SAN BENITO	1,535	571	543	2,649	396	219	247	861	1,140	352	296	1,788
SAN BERNARDINO	8,482	1,686	2,329	12,497	8,148	1,606	2,268	12,022	334	80	61	475
SAN DIEGO	6,222	1,907	2,807	10,936	5,669	1,819	2,716	10,204	553	88	90	731
SAN FRANCISCO	268	94	144	506	110	45	71	226	159	49	73	281
SAN JOAQUIN	32,896	12,222	21,426	66,545	11,498	7,991	14,612	34,101	21,398	4,231	6,815	32,444
SAN LUIS OBISPO	6,589	1,276	2,929	10,794	3,785	535	1,425	5,745	2,804	741	1,504	5,049
SAN MATEO	1,323	642	443	2,407	1,259	633	421	2,312	64	9	22	95
SANTA BARBARA	16,018	5,887	5,780	27,685	3,506	1,392	2,656	7,554	12,512	4,495	3,124	20,132
SANTA CLARA	4,712	1,849	2,230	8,791	3,385	1,133	1,572	6,090	1,327	716	658	2,701
SANTA CRUZ	2,976	1,177	692	4,846	1,561	794	566	2,921	1,415	383	126	1,924
SHASTA	2,685	781	635	4,101	2,444	728	608	3,780	241	53	27	321
SIERRA	2	1	0	3	2	1	0	3	0	0	0	0
SISKIYOU	2,763	1,456	1,212	5,431	2,178	1,319	1,206	4,702	585	138	6	729
SOLANO	12,608	3,464	4,161	20,233	6,635	2,308	3,321	12,264	5,973	1,156	840	7,969
SONOMA	3,161	2,014	1,954	7,129	2,652	1,591	1,206	5,449	509	423	748	1,679
STANISLAUS	39,492	21,419	30,541	91,452	13,469	4,461	22,437	40,367	26,023	16,958	8,104	51,085
SUTTER	19,422	2,660	3,477	25,559	6,872	1,679	3,186	11,737	12,549	981	291	13,822
TEHAMA	2,709	830	3,630	7,169	1,258	700	3,281	5,238	1,451	130	349	1,931
TRINITY	19	83	12	114	15	80	8	103	4	3	4	11
TULARE	31,069	12,017	14,721	57,808	6,660	3,422	9,410	19,492	24,409	8,596	5,311	38,316
TUOLUMNE	3	4	3	10	2	1	1	4	1	3	2	6
VENTURA	13,068	3,479	4,484	21,031	6,793	2,100	2,926	11,819	6,275	1,379	1,558	9,212
YOLO	26,289	4,298	6,233	36,820	9,250	1,782	4,215	15,247	17,039	2,516	2,018	21,573
YUBA	3,883	716	1,486	6,085	1,120	506	1,311	2,936	2,764	211	175	3,149
** UNKNOWN **	20,227	14,490	9,901	44,618	17,968	12,268	9,178	39,414	2,259	2,222	723	5,204
<b>TOTAL</b>	<b>709,283</b>	<b>249,975</b>	<b>301,258</b>	<b>1,260,517</b>	<b>271,060</b>	<b>116,709</b>	<b>195,623</b>	<b>583,392</b>	<b>438,223</b>	<b>133,267</b>	<b>105,635</b>	<b>677,125</b>