

FERTILIZING MATERIALS TONNAGE REPORT

JANUARY – JUNE 2022



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

SACRAMENTO, CALIFORNIA 95814

FOREWORD

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

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

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

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

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

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

Sincerely,

Original Signed by Amadou Ba

Amadou Ba, Ph.D,
Environmental Program Manager II

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

CODE	MATERIAL NAME	JULY-DEC 2020	JAN-JUNE 2021	JULY-DEC 2021	JAN-JUNE 2022	JULY-JUNE 2020-2021	JULY-JUNE 2021-2022
2	ANHYDROUS AMMONIA	4,420	5,272	3,319	5,441	9,692	8,760
6	AQUA AMMONIA	18,070	111,289	10,260	69,670	129,359	79,930
10	AMMONIUM NITRATE	5,004	682	1,771	145	5,686	1,916
12	AMMONIUM NITRATE SOLUTION	25,531	21,993	16,637	18,250	47,524	34,887
20	AMMONIUM POLYSULFIDE	79	65	1,679	555	144	2,234
24	AMMONIUM SULFATE	46,604	69,855	31,863	38,268	116,459	70,131
31	AMMONIUM THIOSULFATE	12,601	3,934	4,040	3,466	16,535	7,506
35	CALCIUM AMMONIUM NITRATE SOLUTION	56,922	146,366	69,385	169,132	203,288	238,517
43	CALCIUM NITRATE	12,924	21,884	15,483	33,776	34,808	49,259
58	NITROGEN SOLUTION 28%	7,767	3,965	1,199	3,071	11,732	4,270
60	NITROGEN SOLUTION 32%	188,238	387,766	218,369	397,972	576,004	616,341
62	SODIUM NITRATE	218	486	465	1,066	704	1,531
64	SULFUR COATED UREA	576	460	712	294	1,036	1,006
66	UREA	75,628	52,701	42,903	56,497	128,329	99,400
67	UREA SOLUTION	1,537	2,701	782	2,106	4,238	2,888
0	NON-FARM USE NITROGEN	29,246	39,096	23,472	34,960	68,342	58,432
98	NITROGEN MATERIALS - COMPOST	7,989	2,622	5,092	3,418	10,611	8,510
203	DIAMMONIUM PHOSPHATE	2	189	67	17	191	84
207	AMMONIUM PHOSPHATE SULFATE	4,766	10,023	2,412	5,442	14,789	7,854
209	MONOAMMONIUM PHOSPHATE	58,111	25,033	27,985	17,264	83,144	45,249
248	PHOSPHORIC ACID	17,881	9,838	4,029	7,355	27,719	11,384
249	LIQUID AMMONIUM POLYPHOSPHATE	44,990	31,545	13,346	25,564	76,535	38,910
263	NORMAL SUPERPHOSPHATE	2	49	2	1	51	3
267	TRIPLE SUPERPHOSPHATE	247	270	179	196	517	375
0	NON-FARM USE PHOSPHORUS	11,820	14,247	8,788	10,538	26,067	19,326
298	PHOSPHORUS MATERIALS - COMPOST	2,806	1,947	3,066	2,256	4,753	5,322
428	MURIATE OF POTASH	22,038	20,058	14,932	20,795	42,096	35,727
443	SULFATE OF POTASH MAGNESIA	19,082	20,653	17,202	21,937	39,735	39,139
453	POTASSIUM NITRATE	3,458	5,277	3,201	4,727	8,735	7,928
463	POTASSIUM SULFATE	80,952	65,675	93,645	140,483	146,627	234,128
0	NON-FARM USE POTASH	11,915	19,151	5,289	10,743	31,066	16,032
498	POTASSIUM MATERIALS - COMPOST	3,748	1,667	3,117	2,904	5,415	6,021
601	BLOOD MEAL	166	31	3	8	197	11
667	SEWAGE SLUDGE	94,807	100,910	126,202	173,954	195,717	300,156
723	COPPER - ALL MATERIALS	442	1,367	321	855	1,809	1,176
731	IRON - ALL MATERIALS	3,969	5,380	392	734	9,349	1,126
732	GYPSUM - ALL MATERIALS	1,048,540	527,583	785,471	515,820	1,576,123	1,301,291
770	SULFUR	100,571	107,621	48,093	50,003	208,192	98,096
774	SULFURIC ACID	76,195	89,190	48,443	82,497	165,385	130,940
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	213,871	292,516	15,651	161,017	506,387	176,668
907	LIMING MATERIALS - ALL MATERIALS	239,027	112,128	96,168	98,416	351,155	194,584
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	13,886	14,684	129,836	12,931	28,570	142,767
613	OIM BULK COMPOST - NO NUTRIENTS	367,247	156,068	241,758	218,815	523,315	460,573
0	TOTAL	2,933,893	2,504,237	2,137,029	2,423,359	5,438,130	4,560,388

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	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC
		2020 N	2020 P2O5	2020 K2O	2021 N	2021 P2O5	2021 K2O
0	NON-FARM USE NITROGEN	29246	0	0	23217	0	0
0	NON-FARM USE PHOSPHORUS	0	11820	0	0	8778	0
0	NON-FARM USE POTASH	0	0	11915	0	0	5151
2	ANHYDROUS AMMONIA	3624	0	0	2722	0	0
6	AQUA AMMONIA	3614	0	0	2052	0	0
10	AMMONIUM NITRATE	1701	0	0	602	0	0
12	AMMONIUM NITRATE SOLUTION	5106	0	0	3327	0	0
20	AMMONIUM POLYSULFIDE	16	0	0	336	0	0
24	AMMONIUM SULFATE	9787	0	0	6691	0	0
31	AMMONIUM THIOSULFATE	1512	0	0	485	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	9677	0	0	11795	0	0
43	CALCIUM NITRATE	1939	0	0	2322	0	0
58	NITROGEN SOLUTION 28%	2175	0	0	336	0	0
60	NITROGEN SOLUTION 32%	60236	0	0	69878	0	0
62	SODIUM NITRATE	35	0	0	74	0	0
64	SULFUR COATED UREA	207	0	0	256	0	0
66	UREA	34789	0	0	19735	0	0
67	UREA SOLUTION	307	0	0	156	0	0
97	NITROGEN MATERIALS - ALL OTHER	69659	0	0	106558	0	0
98	NITROGEN MATERIALS - COMPOST	7989	0	0	5092	0	0
203	DIAMMONIUM PHOSPHATE	0	1	0	12	31	0
207	AMMONIUM PHOSPHATE SULFATE	763	1049	0	386	482	0
209	MONOAMMONIUM PHOSPHATE	6392	30218	0	3078	14552	0
248	PHOSPHORIC ACID	0	9656	0	0	2176	0
249	LIQUID AMMONIUM POLYPHOSPHATE	4499	15297	0	1335	4538	0
263	NORMAL SUPERPHOSPHATE	0	0	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	114	0	0	82	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	41998	0	0	46913	0
298	PHOSPHORUS MATERIALS - COMPOST	0	2806	0	0	3066	0
428	MURIATE OF POTASH	0	0	13223	0	0	8959
443	SULFATE OF POTASH MAGNESIA	0	0	4198	0	0	3784
453	POTASSIUM NITRATE	484	0	1522	448	0	1408
463	POTASSIUM SULFATE	0	0	40476	0	0	46823
497	POTASSIUM MATERIALS - ALL OTHER	0	0	45603	0	0	89055
498	POTASSIUM MATERIALS - COMPOST	0	0	3748	0	0	3117
601	BLOOD MEAL	20	0	0	0	0	0
667	SEWAGE SLUDGE	5688	1896	948	7572	2524	1262
0	TOTAL	259466	114854	121632	268468	83143	159560

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CODE	MATERIAL NAME	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE
		2021 N	2021 P2O5	2021 K2O	2022 N	2022 P2O5	2022 K2O
0	NON-FARM USE NITROGEN	39,096	0	0	34,960	0	0
0	NON-FARM USE PHOSPHORUS	0	14,247	0	0	10,538	0
0	NON-FARM USE POTASH	0	0	19,151	0	0	10,743
2	ANHYDROUS AMMONIA	4,323	0	0	4,462	0	0
6	AQUA AMMONIA	22,258	0	0	13,934	0	0
10	AMMONIUM NITRATE	232	0	0	49	0	0
12	AMMONIUM NITRATE SOLUTION	4,399	0	0	3,650	0	0
20	AMMONIUM POLYSULFIDE	13	0	0	111	0	0
24	AMMONIUM SULFATE	14,670	0	0	8,036	0	0
31	AMMONIUM THIOSULFATE	472	0	0	416	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	24,882	0	0	28,752	0	0
43	CALCIUM NITRATE	3,283	0	0	5,066	0	0
58	NITROGEN SOLUTION 28%	1,110	0	0	860	0	0
60	NITROGEN SOLUTION 32%	124,085	0	0	127,351	0	0
62	SODIUM NITRATE	78	0	0	171	0	0
64	SULFUR COATED UREA	166	0	0	106	0	0
66	UREA	24,242	0	0	25,989	0	0
67	UREA SOLUTION	540	0	0	421	0	0
97	NITROGEN MATERIALS - ALL OTHER	237,799	0	0	167,201	0	0
98	NITROGEN MATERIALS - COMPOST	2,622	0	0	3,418	0	0
203	DIAMMONIUM PHOSPHATE	34	87	0	3	8	0
207	AMMONIUM PHOSPHATE SULFATE	1,604	2,005	0	871	1,088	0
209	MONOAMMONIUM PHOSPHATE	2,754	13,017	0	1,899	8,977	0
248	PHOSPHORIC ACID	0	5,313	0	0	3,972	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,155	10,725	0	2,556	8,692	0
263	NORMAL SUPERPHOSPHATE	0	11	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	124	0	0	90	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	80,751	0	0	58,367	0
298	PHOSPHORUS MATERIALS - COMPOST	0	1,947	0	0	2,256	0
428	MURIATE OF POTASH	0	0	12,035	0	0	12,477
443	SULFATE OF POTASH MAGNESIA	0	0	4,544	0	0	4,826
453	POTASSIUM NITRATE	739	0	2,322	662	0	2,080
463	POTASSIUM SULFATE	0	0	32,838	0	0	70,242
497	POTASSIUM MATERIALS - ALL OTHER	0	0	87,381	0	0	118,433
498	POTASSIUM MATERIALS - COMPOST	0	0	1,667	0	0	2,904
601	BLOOD MEAL	4	0	0	1	0	0
667	SEWAGE SLUDGE	6,055	2,018	1,009	10,437	3,479	1,740
0	TOTAL	518,612	130,245	160,946	441,382	97,467	223,444

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CODE	MATERIAL NAME	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE
		20-21 N	20-21 P2O5	20-21 K2O	21-22 N	21-22 P2O5	21-22 K2O
0	NON-FARM USE NITROGEN	68,342	0	0	58,177	0	0
0	NON-FARM USE PHOSPHORUS	0	26,067	0	0	19,316	0
0	NON-FARM USE POTASH	0	0	31,066	0	0	15,894
2	ANHYDROUS AMMONIA	7,947	0	0	7,183	0	0
6	AQUA AMMONIA	25,872	0	0	15,986	0	0
10	AMMONIUM NITRATE	1,933	0	0	651	0	0
12	AMMONIUM NITRATE SOLUTION	9,505	0	0	6,977	0	0
20	AMMONIUM POLYSULFIDE	29	0	0	447	0	0
24	AMMONIUM SULFATE	24,456	0	0	14,728	0	0
31	AMMONIUM THIOSULFATE	1,984	0	0	901	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	34,559	0	0	40,548	0	0
43	CALCIUM NITRATE	5,221	0	0	7,389	0	0
58	NITROGEN SOLUTION 28%	3,285	0	0	1,196	0	0
60	NITROGEN SOLUTION 32%	184,321	0	0	197,229	0	0
62	SODIUM NITRATE	113	0	0	245	0	0
64	SULFUR COATED UREA	373	0	0	362	0	0
66	UREA	59,031	0	0	45,724	0	0
67	UREA SOLUTION	848	0	0	578	0	0
97	NITROGEN MATERIALS - ALL OTHER	307,458	0	0	273,759	0	0
98	NITROGEN MATERIALS - COMPOST	10,611	0	0	8,510	0	0
203	DIAMMONIUM PHOSPHATE	34	88	0	15	39	0
207	AMMONIUM PHOSPHATE SULFATE	2,366	3,053	0	1,257	1,571	0
209	MONOAMMONIUM PHOSPHATE	9,146	43,235	0	4,977	23,529	0
248	PHOSPHORIC ACID	0	14,968	0	0	6,147	0
249	LIQUID AMMONIUM POLYPHOSPHATE	7,654	26,022	0	3,891	13,229	0
263	NORMAL SUPERPHOSPHATE	0	11	0	0	1	0
267	TRIPLE SUPERPHOSPHATE	0	238	0	0	173	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	122,749	0	0	105,280	0
298	PHOSPHORUS MATERIALS - COMPOST	0	4,753	0	0	5,322	0
428	MURIATE OF POTASH	0	0	25,258	0	0	21,436
443	SULFATE OF POTASH MAGNESIA	0	0	8,742	0	0	8,611
453	POTASSIUM NITRATE	1,223	0	3,843	1,110	0	3,488
463	POTASSIUM SULFATE	0	0	73,314	0	0	117,064
497	POTASSIUM MATERIALS - ALL OTHER	0	0	132,984	0	0	207,488
498	POTASSIUM MATERIALS - COMPOST	0	0	5,415	0	0	6,021
601	BLOOD MEAL	24	0	0	1	0	0
667	SEWAGE SLUDGE	11,743	3,914	1,957	18,009	6,003	3,002
0	TOTAL	778,079	245,098	282,578	709,850	180,610	383,004

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2022
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	3	2	0	1	0	0	38	135	0	1	6	4	18	46	1	186
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	6	0	0	0	0	0	18	0	1	0	0	0	0	16	0	1
BUTTE	0	533	2,001	0	2,389	0	0	856	1	541	3,275	290	83	15,993	1,569	2	603
CALAVERAS	0	0	0	0	3	0	0	9	0	26	0	0	1	2	4	0	5
COLUSA	0	364	342	23	1,249	0	0	999	0	1	0	1,516	46	467	1,516	63	1
CONTRA COSTA	0	1	0	2	219	0	1	105	0	107	19	2	9	233	266	0	243
DEL NORTE	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	1
EL DORADO	0	0	4	0	0	0	3	11	0	9	0	0	0	10	16	0	10
FRESNO	1	0	122	2,470	2,153	0	3	5,711	527	79	344	3,472	308	12,969	11,849	379	993
GLENN	0	101	440	0	290	0	0	614	0	1	43	153	145	7,690	2,621	0	1
HUMBOLDT	0	0	0	0	0	0	0	20	3	309	0	0	4	27	17	6	155
IMPERIAL	0	0	4,137	1,317	1,691	0	0	4,863	494	3	346	76	46	2,620	615	567	3
INYO	0	0	1	0	0	0	0	102	0	0	0	0	0	4	80	0	0
KERN	0	0	491	525	1,865	0	7	3,118	73	15	1,487	2,897	519	8,250	11,606	115	64
KINGS	0	0	43	420	1,264	0	0	1,506	0	6	84	794	266	2,104	1,608	0	8
LAKE	0	1	3	0	28	0	0	38	2	2	0	0	0	11	27	4	1
LASSEN	0	0	179	0	0	0	0	9	0	3	268	0	0	67	28	0	7
LOS ANGELES	0	7	3	0	15	0	3	277	4	669	0	0	19	20	106	31	303
MADERA	0	0	58	445	1,360	0	0	1,073	137	0	384	1,123	76	2,859	5,521	99	0
MARIN	0	0	0	0	0	0	0	0	0	85	0	0	0	0	0	0	97
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	167	0	91	0	11	128	41	438	0	6	10	162	192	73	274
MERCED	0	10	416	86	1,265	0	0	1,462	56	9	491	1,528	125	2,932	3,174	56	19
MODOC	0	1,192	776	0	108	0	0	3	0	44	786	0	0	1,090	1	0	0
MONO	0	0	30	0	0	0	0	3	0	1	42	0	0	0	1	0	1
MONTEREY	1	6	82	76	99	0	2	3,204	0	86	22	504	474	5,224	3,770	0	98
NAPA	0	3	42	0	13	0	31	188	0	15	0	0	17	107	412	1	30
NEVADA	0	0	0	0	0	0	0	21	0	11	0	0	0	3	1	0	8
ORANGE	0	12	14	0	43	0	6	429	0	268	1	70	5	679	489	0	220
PLACER	0	138	95	0	0	0	0	25	0	74	123	0	0	93	36	0	110
PLUMAS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
RIVERSIDE	7	2	1,156	231	3,445	0	17	817	159	779	1,127	170	106	332	730	380	404
SACRAMENTO	0	137	145	0	58	0	0	938	1	178	8	312	6	1,519	1,002	0	279
SAN BENITO	0	0	0	0	9	0	0	256	0	0	0	31	0	172	138	0	0
SAN BERNARDINO	0	1	119	0	2	0	18	23	30	315	12	81	27	1,677	55	0	313
SAN DIEGO	0	6	55	17	0	0	24	425	0	294	79	393	215	1,905	421	0	224
SAN FRANCISCO	0	0	0	0	0	0	0	4	0	8	20	0	10	0	31	0	13
SAN JOAQUIN	0	3	183	92	1,423	0	2	2,645	0	592	496	352	24	13,349	5,312	0	371
SAN LUIS OBISPO	0	0	0	2	50	0	8	273	11	14	7	270	345	238	937	16	14
SAN MATEO	0	0	0	0	0	0	0	164	0	53	0	0	8	78	166	0	85
SANTA BARBARA	0	4	70	217	313	0	28	2,892	3	34	61	611	101	3,572	2,919	0	46
SANTA CLARA	3	0	24	15	13	0	4	532	16	131	8	167	5	44	507	33	214
SANTA CRUZ	5	8	22	3	10	0	1	387	0	20	0	64	123	356	267	0	40
SHASTA	0	281	421	0	2	0	57	25	0	29	692	0	7	90	74	0	40
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	507	979	0	84	0	0	69	0	23	989	41	1	1,267	25	0	41
SOLANO	0	855	121	0	4	0	272	351	19	272	0	92	103	1,869	734	21	52
SONOMA	0	11	24	0	47	0	0	250	98	75	0	8	7	389	643	242	46
STANISLAUS	0	0	1,233	66	1,452	0	0	2,333	15	68	2,986	294	217	10,392	3,981	22	102
SUTTER	0	1,056	781	0	1,556	0	0	267	0	3	519	974	174	2,153	1,468	0	61
TEHAMA	0	50	374	0	108	0	0	114	0	1	0	22	36	2,135	161	0	8
TRINITY	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	1	5
TULARE	0	0	112	632	1,339	0	0	2,803	545	12	2,133	3,027	342	23,857	6,114	698	82
TUOLUMNE	0	0	0	0	0	0	0	7	0	0	0	13	0	0	0	0	0
VENTURA	0	11	66	125	53	0	27	2,013	0	71	23	979	267	813	839	0	121
YOLO	0	104	156	0	1,327	0	0	1,331	12	126	47	263	221	5,103	1,696	23	75
YUBA	0	27	317	0	123	0	0	266	9	9	825	128	79	691	254	16	15
** UNKNOWN **	0	0	1,428	591	0	0	0	14,500	0	4,478	3,047	1,492	0	6,498	42,630	0	4,702
TOTAL	17	5,442	17,264	7,355	25,564	0	196	58,367	2,256	10,538	20,795	21,937	4,727	140,483	118,433	2,904	10,743

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JANUARY-JUNE 2022
 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	1	46	14	0	258	0	705	1	1,825
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	17	0	3	0	0
BUTTE	4	11	941	685	0	358	51	721	90	551
CALAVERAS	0	0	63	0	0	22	0	0	84	0
COLUSA	501	1	10,135	917	0	1,223	648	2,767	0	0
CONTRA COSTA	0	6	1	8	0	219	0	61	3	0
DEL NORTE	0	0	0	0	0	0	0	2	0	0
EL DORADO	0	0	28	3	0	3	0	22	26	0
FRESNO	29	101	56,008	1,646	1,719	3,739	5,002	24,492	560	22,061
GLENN	22	0	2,926	987	0	348	243	689	44	1,891
HUMBOLDT	0	0	0	3,975	0	0	0	12	198	0
IMPERIAL	0	18	1,902	20,909	0	1,285	699	2,913	17	20,041
INYO	0	5	2	3	0	0	0	23	0	0
KERN	67	16	284,859	1,032	25,097	5,337	8,838	54,376	1,351	12,243
KINGS	8	8	19,732	1,195	8,229	3,003	52,297	2,277	0	924
LAKE	0	0	245	24	0	0	0	57	0	1,374
LASSEN	0	7	595	43	0	75	0	168	0	0
LOS ANGELES	0	24	1,617	39	20,787	252	0	1,228	1,069	19,409
MADERA	7	2	2,104	0	6,355	844	6,009	3,660	23	1,074
MARIN	0	0	2	0	0	1	0	0	1	0
MARIPOSA	0	0	1	0	0	0	0	0	0	0
MENDOCINO	0	0	389	595	0	1	0	252	8	0
MERCED	2	5	8,736	1,841	2,935	4,081	516	2,051	47	14,321
MODOC	0	0	170	49	0	930	0	196	0	2,403
MONO	0	0	0	0	0	0	0	18	0	0
MONTEREY	2	4	5,997	22,157	0	170	75	5,830	21	11,528
NAPA	0	2	1,477	570	0	7	0	2,240	1	12,570
NEVADA	0	0	0	0	0	0	0	2	8	87
ORANGE	0	10	172	12	30	56	0	307	97	0
PLACER	0	5	20	0	33	7	0	41	23	0
PLUMAS	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	1	18	962	62	140	52	0	3,448	575	10,889
SACRAMENTO	0	0	561	324	1,621	588	0	2,193	2,500	144
SAN BENITO	0	0	986	20	0	24	0	331	1	891
SAN BERNARDINO	0	42	43	2	36,821	28	24	205	2,047	7,428
SAN DIEGO	3	55	430	134	21	0	0	934	1,256	5,036
SAN FRANCISCO	0	0	0	1	0	0	0	175	1	0
SAN JOAQUIN	1	195	13,074	7,726	525	10,103	445	2,770	34	62
SAN LUIS OBISPO	4	16	1,465	4	0	120	0	530	62	3,422
SAN MATEO	0	35	11	220	0	3	0	39	43	284
SANTA BARBARA	0	10	3,205	8,404	430	439	56	1,519	68	1,636
SANTA CLARA	0	8	318	104	0	6	3	188	17	139
SANTA CRUZ	0	2	298	21	0	0	1	1,295	34	0
SHASTA	0	0	615	5,294	0	140	0	110	31	315
SIERRA	0	0	0	0	0	0	0	2	0	0
SISKIYOU	2	10	747	462	0	1,279	117	1,300	0	2,372
SOLANO	0	8	909	710	64,505	1	12	215	167	3,954
SONOMA	5	22	2,930	591	0	5	0	1,103	4	2,280
STANISLAUS	45	34	10,261	6,478	0	7,434	193	3,530	77	15,231
SUTTER	24	0	4,725	908	0	235	35	795	3	25
TEHAMA	0	0	2,398	234	0	379	0	278	0	219
TRINITY	0	5	0	0	0	0	0	105	0	0
TULARE	14	19	52,029	2,621	18	3,091	5,723	11,116	672	15,175
TUOLUMNE	0	0	0	437	0	0	0	0	0	1,560
VENTURA	1	23	303	16	0	165	65	2,058	137	6,460
YOLO	112	1	4,454	127	4,688	192	532	6,234	28	18,967
YUBA	1	1	1,513	351	0	0	0	33	2	24
** UNKNOWN **	0	4	15,415	6,461	0	3,483	913	15,398	1,500	0
TOTAL	855	734	515,820	98,416	173,954	50,003	82,497	161,017	12,931	218,815

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
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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	548	2,130	1,046	3,724	91	255	678	1,024	620	43	663	4,387
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	6	81	46	133	0	0	20	20	3	0	3	136
BUTTE	3,028	30,958	42,902	76,888	580	1,818	373	2,771	601	1,022	1,623	78,511
CALAVERAS	96	18	69	183	63	0	22	85	102	23	125	308
COLUSA	4,499	16,239	31,874	52,612	1,595	10,726	3,871	16,192	4	0	4	52,616
CONTRA COSTA	295	386	3,247	3,928	42	65	188	295	586	87	673	4,601
DEL NORTE	24	73	0	97	2	0	0	2	4	16	20	117
EL DORADO	83	42	71	196	30	22	4	56	128	1	129	325
FRESNO	13,715	108,916	116,280	238,911	3,428	65,154	24,154	92,736	944	1,061	2,005	240,916
GLENN	1,361	20,047	19,606	41,014	346	4,119	750	5,215	61	0	61	41,075
HUMBOLDT	89	4,049	13	4,151	2	3,985	0	3,987	763	127	890	5,041
IMPERIAL	5,768	77,715	61,757	145,240	316	23,276	4,134	27,726	24	3	27	145,267
INYO	626	1	51	678	31	0	2	33	0	0	0	678
KERN	17,879	289,099	174,740	481,718	5,088	261,815	112,722	379,625	2,137	13	2,150	483,868
KINGS	4,328	35,253	82,327	121,908	1,693	31,227	53,829	86,749	7	24	31	121,939
LAKE	306	1,464	448	2,218	246	31	49	326	7	17	24	2,242
LASSEN	2	2,531	348	2,881	0	868	20	888	17	0	17	2,898
LOS ANGELES	2,066	40,862	2,478	45,406	532	21,339	2,076	23,947	3,079	429	3,508	48,914
MADERA	13,262	14,034	44,382	71,678	1,353	8,295	9,333	18,981	25	1	26	71,704
MARIN	3	27	0	30	3	0	0	3	378	6	384	414
MARIPOSA	23	0	1	24	1	0	0	1	0	0	0	24
MENDOCINO	1,061	1,230	859	3,150	430	695	112	1,237	969	80	1,049	4,199
MERCED	2,817	35,303	39,638	77,758	880	14,671	4,616	20,167	185	7	192	77,950
MODOC	59	9,702	325	10,086	57	1,259	29	1,345	113	0	113	10,199
MONO	4	246	5	255	0	18	0	18	3	0	3	258
MONTEREY	8,711	45,526	37,923	92,160	6,225	25,582	2,428	34,235	308	15	323	92,483
NAPA	782	16,045	2,247	19,074	160	3,361	775	4,296	94	0	94	19,168
NEVADA	3	161	136	300	2	0	0	2	47	3	50	350
ORANGE	5,362	1,570	4,420	11,352	292	177	118	587	1,190	448	1,638	12,990
PLACER	130	667	1,995	2,792	63	39	4	106	498	44	542	3,334
PLUMAS	1	9	78	88	0	0	0	0	9	0	9	97
RIVERSIDE	4,490	20,682	21,297	46,469	560	2,529	1,594	4,683	4,665	93	4,758	51,227
SACRAMENTO	1,005	8,696	11,967	21,669	285	4,254	748	5,287	3,626	480	4,106	25,775
SAN BENITO	1,233	1,545	1,375	4,153	1,147	99	115	1,361	0	1	1	4,154
SAN BERNARDINO	2,303	44,944	252	47,499	263	36,849	53	37,165	5,008	193	5,201	52,700
SAN DIEGO	7,572	6,257	1,085	14,914	798	552	227	1,577	2,938	43	2,981	17,895
SAN FRANCISCO	208	30	583	821	10	0	166	176	18	16	34	855
SAN JOAQUIN	3,476	51,339	45,486	100,301	1,770	24,636	8,433	34,839	2,594	1,026	3,620	103,921
SAN LUIS OBISPO	1,743	5,358	3,331	10,432	235	1,654	250	2,139	116	2	118	10,550
SAN MATEO	1,125	436	83	1,644	307	1	0	308	423	63	486	2,130
SANTA BARBARA	6,875	17,196	18,347	42,418	515	12,374	1,174	14,063	301	26	327	42,745
SANTA CLARA	1,481	1,117	1,081	3,679	389	63	175	627	737	43	780	4,459
SANTA CRUZ	1,338	2,041	1,196	4,575	153	1,340	124	1,617	151	4	155	4,730
SHASTA	537	9,327	171	10,035	342	5,806	11	6,159	117	33	150	10,185
SIERRA	2	0	5	7	2	0	0	2	0	0	0	7
SISKIYOU	840	10,786	1,469	13,095	832	2,867	218	3,917	205	19	224	13,319
SOLANO	640	11,173	70,407	82,220	127	2,864	63,369	66,360	408	238	646	82,866
SONOMA	1,982	6,837	2,462	11,281	636	3,614	406	4,656	285	82	367	11,648
STANISLAUS	4,974	54,153	73,344	132,471	2,766	16,790	8,419	27,975	397	41	438	132,909
SUTTER	2,294	15,812	39,714	57,820	496	5,943	283	6,722	18	3	21	57,841
TEHAMA	428	7,251	4,340	12,019	146	2,618	525	3,289	105	0	105	12,124
TRINITY	5	77	53	135	5	54	51	110	21	6	27	162
TULARE	8,770	112,332	54,645	175,747	3,489	57,215	13,927	74,631	843	29	872	176,619
TUOLUMNE	0	2,010	39	2,049	0	437	0	437	1	0	1	2,050
VENTURA	6,874	8,247	24,218	39,339	1,430	344	857	2,631	714	229	943	40,282
YOLO	1,922	35,395	38,813	76,130	761	9,571	6,008	16,340	423	5	428	76,558
YUBA	839	4,810	7,160	12,809	134	1,733	32	1,899	60	2	62	12,871
** UNKNOWN **	7,006	80,021	179,613	266,640	37	32,623	9,014	41,674	22,612	517	23,129	289,769
TOTAL	156,899	1,272,256	1,271,849	2,701,004	41,186	705,627	336,486	1,083,299	59,692	6,664	66,356	2,767,360

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-JUNE 2022
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	607	175	246	1,027	438	162	224	823	169	13	22	204
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	34	20	17	71	30	9	8	47	4	11	9	24
BUTTE	12,634	3,357	12,236	28,227	2,899	1,934	11,443	16,276	9,734	1,423	793	11,951
CALAVERAS	55	36	10	101	42	5	7	54	13	31	3	47
COLUSA	9,791	1,688	2,167	13,646	2,690	380	871	3,941	7,101	1,308	1,296	9,705
CONTRA COSTA	1,506	288	661	2,456	444	160	394	998	1,062	129	267	1,458
DEL NORTE	25	8	1	34	17	0	1	18	8	8	0	16
EL DORADO	121	23	31	175	104	20	27	152	16	3	4	23
FRESNO	32,213	8,482	20,828	61,524	5,817	1,646	12,193	19,656	26,396	6,836	8,635	41,867
GLENN	6,514	963	6,590	14,067	1,489	706	6,198	8,394	5,024	257	392	5,673
HUMBOLDT	280	332	193	805	260	236	181	678	20	96	12	128
IMPERIAL	33,291	8,817	2,740	44,849	13,991	2,878	2,345	19,214	19,300	5,940	395	25,634
INYO	102	103	122	326	88	102	115	304	14	1	7	22
KERN	24,181	4,884	17,919	46,984	4,634	1,939	11,633	18,207	19,547	2,945	6,286	28,777
KINGS	10,264	2,356	3,092	15,711	1,194	466	1,572	3,232	9,070	1,890	1,520	12,479
LAKE	179	53	38	270	52	18	20	89	127	36	18	180
LASSEN	747	105	229	1,081	649	96	201	946	98	9	28	135
LOS ANGELES	3,683	1,375	666	5,724	3,486	1,294	590	5,370	197	81	76	354
MADERA	12,969	2,086	7,724	22,779	2,909	433	2,320	5,662	10,060	1,653	5,404	17,117
MARIN	207	85	97	389	203	85	95	383	4	0	2	6
MARIPOSA	4	0	0	4	4	0	0	4	0	0	0	0
MENDOCINO	869	730	626	2,224	683	663	498	1,844	186	67	128	381
MERCED	11,468	2,281	5,430	19,179	1,380	716	2,805	4,901	10,088	1,565	2,625	14,278
MODOC	1,464	726	1,018	3,207	1,399	686	1,017	3,102	65	40	1	105
MONO	66	20	27	113	65	18	27	110	1	2	0	3
MONTEREY	15,903	3,410	6,813	26,125	1,879	977	3,913	6,769	14,024	2,433	2,900	19,357
NAPA	525	244	504	1,273	198	131	183	511	327	113	321	761
NEVADA	100	32	11	142	47	28	10	84	53	4	1	58
ORANGE	6,518	725	1,067	8,310	5,453	366	722	6,541	1,065	359	345	1,769
PLACER	967	177	267	1,410	484	134	246	864	483	43	21	547
PLUMAS	35	1	3	39	10	1	3	14	25	0	0	25
RIVERSIDE	14,602	3,666	2,442	20,711	9,421	1,810	1,938	13,169	5,181	1,856	504	7,541
SACRAMENTO	7,309	1,272	2,133	10,714	1,984	414	1,203	3,601	5,325	858	930	7,113
SAN BENITO	788	259	231	1,278	237	117	157	511	551	142	74	767
SAN BERNARDINO	5,416	1,175	2,470	9,062	5,191	1,163	2,445	8,799	225	13	25	263
SAN DIEGO	4,900	769	1,826	7,496	4,596	727	1,770	7,092	305	43	56	404
SAN FRANCISCO	129	12	98	240	18	7	63	88	111	5	35	151
SAN JOAQUIN	19,702	3,878	12,748	36,328	7,867	1,707	9,013	18,587	11,836	2,171	3,735	17,741
SAN LUIS OBISPO	1,067	320	1,301	2,688	300	110	455	865	767	209	846	1,823
SAN MATEO	601	217	294	1,112	532	209	283	1,024	69	8	11	88
SANTA BARBARA	9,015	3,211	4,971	17,197	3,420	568	2,441	6,429	5,594	2,643	2,530	10,768
SANTA CLARA	1,608	707	820	3,135	1,174	522	702	2,397	434	186	118	738
SANTA CRUZ	1,377	428	553	2,358	551	301	499	1,351	825	127	54	1,006
SHASTA	894	362	577	1,833	869	316	502	1,687	25	46	75	145
SIERRA	2	0	0	2	0	0	0	0	2	0	0	2
SISKIYOU	1,410	731	1,302	3,443	1,087	689	1,298	3,075	323	42	4	368
SOLANO	7,426	2,167	2,452	12,045	1,269	432	1,232	2,933	6,157	1,735	1,220	9,112
SONOMA	1,582	454	1,130	3,166	1,133	279	489	1,901	449	175	641	1,265
STANISLAUS	20,905	3,586	11,253	35,744	3,133	1,210	8,085	12,428	17,771	2,376	3,168	23,316
SUTTER	12,269	1,417	3,065	16,750	2,721	801	1,770	5,292	9,548	615	1,295	11,459
TEHAMA	1,870	356	1,257	3,484	665	240	1,145	2,051	1,205	116	112	1,433
TRINITY	34	12	6	52	32	6	6	44	2	6	0	8
TULARE	23,250	4,215	20,919	48,384	8,305	1,239	17,300	26,844	14,945	2,977	3,619	21,540
TUOLUMNE	11	7	3	21	1	0	3	4	10	7	0	17
VENTURA	21,254	2,218	1,713	25,186	2,559	862	1,267	4,688	18,695	1,357	446	20,497
YOLO	11,277	1,910	4,580	17,767	1,197	305	2,980	4,482	10,080	1,605	1,600	13,285
YUBA	2,389	496	1,188	4,074	482	431	1,070	1,983	1,907	65	118	2,090
** UNKNOWN **	82,977	20,040	52,737	155,754	37,534	9,300	16,501	63,335	45,444	10,740	36,236	92,420
TOTAL	441,382	97,467	223,444	762,294	149,317	40,054	134,481	323,852	292,066	57,413	88,963	438,442

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
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 JULY 2021-JUNE 2022
 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 - NON-FARM USE POTASH
ALAMEDA	0	0	2	0	5	0	0	63	0	226	1	92	7	40	86	1	271
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	6	0	0	0	0	0	27	0	1	0	0	0	0	32	0	1
BUTTE	0	534	2,221	0	2,401	0	0	1,116	1	651	3,576	330	117	22,507	3,302	2	669
CALAVERAS	0	0	0	0	3	0	0	16	0	53	0	0	1	3	11	0	7
COLUSA	0	613	863	63	2,072	0	0	1,235	8	1,968	0	1,862	52	2,476	3,415	78	1
CONTRA COSTA	0	1	10	8	407	0	3	287	0	184	22	3	21	402	430	0	350
DEL NORTE	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	2
EL DORADO	0	0	5	0	0	0	3	22	0	34	0	0	0	23	28	0	13
FRESNO	1	0	410	2,849	4,473	0	3	10,352	1,133	129	542	8,308	492	23,897	18,854	711	1,098
GLENN	0	185	758	0	304	0	0	691	0	1	174	490	170	10,970	2,861	0	1
HUMBOLDT	0	0	0	0	0	0	0	115	4	1,619	0	0	8	27	36	8	444
IMPERIAL	0	0	22,924	2,020	3,592	0	5	11,873	1,375	7	692	99	52	4,826	1,813	1,743	7
INYO	0	0	1	2	0	0	0	103	0	0	23	0	0	8	108	0	0
KERN	0	0	1,043	1,724	3,166	0	7	5,612	428	111	2,152	4,890	684	12,852	15,284	494	93
KINGS	0	0	939	613	2,221	0	0	3,028	276	6	84	934	268	3,235	2,353	3	9
LAKE	0	1	15	0	76	0	0	57	8	129	0	9	1	42	138	16	2
LASSEN	15	0	308	0	0	0	0	20	0	4	416	0	0	74	33	0	8
LOS ANGELES	0	7	82	0	19	0	3	597	4	1,315	10	42	29	48	210	31	604
MADERA	0	0	139	492	1,636	0	0	3,088	271	4	490	1,129	113	5,621	7,799	190	0
MARIN	0	0	0	0	0	0	0	0	0	188	0	0	0	0	205	0	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	3	177	0	122	0	13	208	81	1,204	0	6	17	225	472	148	591
MERCED	0	13	666	116	1,536	0	0	2,164	154	34	1,003	1,888	270	8,765	4,595	145	62
MODOC	50	1,318	953	0	112	0	0	3	0	44	891	0	0	1,122	35	0	0
MONO	0	0	31	2	0	0	0	4	0	1	55	0	0	0	1	0	1
MONTEREY	1	6	665	264	225	1	5	6,400	0	157	24	858	772	8,830	9,622	0	231
NAPA	0	39	57	0	27	0	31	277	0	21	0	0	24	490	611	22	45
NEVADA	0	0	0	0	0	0	0	24	0	184	0	6	0	3	9	0	19
ORANGE	0	12	14	0	91	0	77	722	0	539	1	70	6	726	775	0	410
PLACER	0	138	111	0	0	0	0	31	25	150	126	0	0	307	56	51	194
PLUMAS	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	5
RIVERSIDE	7	4	2,595	386	5,619	0	33	2,409	281	1,607	1,863	226	195	545	1,879	628	699
SACRAMENTO	0	265	207	0	63	0	0	1,259	2	394	171	470	10	2,773	2,088	1	633
SAN BENITO	0	0	0	0	29	0	0	619	0	0	0	37	0	472	400	0	0
SAN BERNARDINO	0	1	378	0	3	0	20	62	37	749	12	4	82	28	1,720	72	700
SAN DIEGO	0	7	121	39	0	0	47	959	0	673	236	599	556	2,752	856	2	539
SAN FRANCISCO	0	0	0	0	0	0	0	11	0	31	20	173	14	6	32	0	42
SAN JOAQUIN	0	3	311	127	1,576	0	2	3,972	0	808	1,721	710	148	21,275	9,666	0	587
SAN LUIS OBISPO	0	22	0	2	139	0	17	583	36	45	21	790	767	393	1,923	55	33
SAN MATEO	0	0	0	0	0	0	1	266	0	109	0	1	14	83	268	0	194
SANTA BARBARA	0	117	117	387	420	0	55	6,057	52	85	114	912	207	4,362	6,562	9	116
SANTA CLARA	3	0	28	33	13	0	4	912	22	273	8	246	8	86	1,018	45	398
SANTA CRUZ	5	20	57	4	31	0	2	873	0	573	0	215	253	800	671	0	93
SHASTA	2	399	592	0	2	0	0	86	0	432	815	0	13	131	115	0	56
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	600	1,155	0	87	0	0	198	0	72	1,061	87	1	1,380	72	0	126
SOLANO	0	1,189	185	0	14	0	0	575	36	315	725	357	248	2,322	1,379	40	137
SONOMA	0	12	51	0	60	1	1	777	124	179	1	20	36	668	1,256	290	136
STANISLAUS	0	3	1,960	149	2,543	0	0	3,700	79	149	8,297	2,613	545	24,587	6,357	115	205
SUTTER	0	1,897	925	0	1,563	0	0	365	6	614	0	1,076	197	3,404	2,681	0	8
TEHAMA	0	50	501	0	192	0	0	139	0	5	30	22	58	4,276	224	0	16
TRINITY	0	0	0	0	0	0	0	0	0	66	0	0	0	0	0	1	6
TULARE	0	161	222	1,115	2,173	0	0	4,716	753	88	2,601	5,120	570	25,906	12,122	922	107
TUOLUMNE	0	0	0	0	8	0	0	7	0	13	0	0	0	0	0	0	0
VENTURA	0	29	123	178	235	0	42	3,092	58	164	55	1,979	463	1,603	1,567	108	247
YOLO	0	218	403	0	1,529	0	1	1,776	21	207	217	642	233	8,133	3,630	39	139
YUBA	0	78	330	0	123	0	0	667	12	30	891	319	110	921	349	21	51
** UNKNOWN **	0	0	2,594	838	0	0	0	23,063	30	5,723	4,004	1,492	0	19,693	77,556	30	5,273
TOTAL	84	7,854	45,249	11,384	38,910	2	375	105,280	5,322	19,316	35,727	39,139	7,928	234,128	207,488	6,021	15,894

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

COUNTY	COPPER - ALL MATERIALS	IRON - ALL MATERIALS	GYPSSUM - ALL MATERIALS	LIMING MATERIALS - ALL MATERIALS	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	SECONDARY/MICRONUTRIENTS - ALL OTHER	NON-FARM USE SECONDARY/MICRONUTRIENTS	OIM BULK COMPOST - NO NUTRIENTS
ALAMEDA	0	2	53	40	0	292	0	724	9	1,825
ALPINE	0	0	0	0	0	0	0	0	1	0
AMADOR	0	0	0	0	0	17	0	3	0	0
BUTTE	4	11	3,056	1,036	0	425	89	1,588	176	2,731
CALAVERAS	0	0	126	0	0	28	0	0	315	0
COLUSA	572	1	37,261	9,419	0	1,242	1,125	3,277	1	443
CONTRA COSTA	0	11	180	11	0	288	23	132	24	0
DEL NORTE	0	0	0	0	0	0	0	2	0	0
EL DORADO	0	0	42	4	0	12	0	24	424	0
FRESNO	68	165	219,109	4,165	7,675	7,576	7,702	42,572	1,087	49,601
GLENN	25	0	6,888	1,984	0	404	597	1,133	44	3,207
HUMBOLDT	0	0	0	6,658	0	0	0	97	344	0
IMPERIAL	0	53	6,014	48,352	0	1,877	1,587	5,381	17	61,307
INYO	0	10	2	19	0	0	0	47	0	0
KERN	172	19	516,020	3,026	45,649	11,151	10,635	66,813	1,492	12,243
KINGS	12	9	122,685	6,792	10,981	8,616	86,045	4,071	3	13,691
LAKE	0	0	1,107	60	0	20	0	77	0	2,055
LASSEN	0	7	773	66	0	102	0	215	0	0
LOS ANGELES	0	27	1,800	44	45,754	904	10	1,807	2,363	19,409
MADERA	31	2	7,448	108	20,089	1,527	6,031	6,661	77	1,481
MARIN	0	0	3	1	0	1	0	0	1	0
MARIPOSA	0	0	1	0	0	0	0	0	0	0
MENDOCINO	1	0	496	673	0	6	0	493	19	47
MERCED	2	6	28,580	4,762	10,100	6,001	827	3,618	59	39,139
MODOC	0	0	555	55	0	1,196	0	266	0	2,773
MONO	0	0	0	95	0	0	0	23	0	0
MONTEREY	7	14	14,814	48,085	0	472	114	7,790	128	49,430
NAPA	0	2	2,761	742	0	46	0	10,608	548	18,610
NEVADA	0	0	0	0	0	19	0	8	17	107
ORANGE	0	23	281	20	38	535	0	785	279	0
PLACER	0	5	101	63	33	7	0	71	65	0
PLUMAS	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	1	40	5,073	466	8,440	472	0	8,534	883	22,516
SACRAMENTO	0	1	1,933	1,326	2,890	2,089	0	2,571	4,594	186
SAN BENITO	0	0	3,363	203	0	26	8	611	1	3,212
SAN BERNARDINO	0	53	143	4	36,938	59	347	393	5,004	16,213
SAN DIEGO	9	83	1,260	259	21	9	0	1,586	2,847	8,778
SAN FRANCISCO	0	1	0	4	0	0	0	185	1	0
SAN JOAQUIN	2	199	24,486	20,392	525	21,626	840	4,056	189	62
SAN LUIS OBISPO	6	22	2,134	60	0	169	0	820	63	4,811
SAN MATEO	0	74	19	258	0	6	0	87	49	612
SANTA BARBARA	0	28	6,300	14,793	430	807	1,098	2,113	85	3,995
SANTA CLARA	0	8	505	155	0	10	6	264	32	263
SANTA CRUZ	0	5	400	46	0	451	1	1,764	81	8
SHASTA	0	4	1,390	10,246	0	167	0	138	64	482
SIERRA	0	0	0	0	0	0	0	2	0	0
SISKIYOU	2	10	1,976	618	0	1,853	348	1,704	1	4,250
SOLANO	0	8	17,452	762	105,814	152	25	549	288	3,954
SONOMA	7	58	5,523	1,572	18	15	0	3,260	28	6,837
STANISLAUS	52	42	55,825	18,505	55	12,242	513	5,504	2,129	22,128
SUTTER	24	0	9,307	1,263	0	491	35	1,006	25	512
TEHAMA	0	2	3,397	413	0	379	0	299	67	612
TRINITY	0	5	0	0	0	0	0	105	0	0
TULARE	63	70	124,932	4,639	18	7,642	8,803	20,069	1,248	26,427
TUOLUMNE	0	0	25	437	0	0	0	0	0	2,120
VENTURA	2	37	656	32	0	358	991	3,412	186	12,477
YOLO	112	2	22,365	975	4,688	1,231	1,246	6,547	97	36,995
YUBA	2	3	3,562	1,195	0	0	0	53	518	24
** UNKNOWN **	0	4	38,140	12,888	0	5,078	1,894	33,180	2,609	0
TOTAL	1,176	1,126	1,300,322	227,791	300,156	98,096	130,940	257,098	28,582	455,573

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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	768	2,182	1,152	4,102	112	280	719	1,111	973	187	1,160	5,262
ALPINE	0	0	0	0	0	0	0	0	0	1	1	1
AMADOR	9	87	71	167	0	0	20	20	3	0	3	170
BUTTE	4,320	46,709	47,510	98,539	894	4,843	472	6,209	765	1,173	1,938	100,477
CALAVERAS	166	37	106	309	126	0	28	154	340	49	389	698
COLUSA	7,091	62,294	49,127	118,512	2,813	45,163	4,921	52,897	7	0	7	118,519
CONTRA COSTA	550	879	4,624	6,053	76	269	300	645	1,057	116	1,173	7,226
DEL NORTE	24	73	0	97	2	0	0	2	4	56	60	157
EL DORADO	113	62	113	288	37	32	13	82	557	24	581	869
FRESNO	26,961	337,304	175,551	539,816	7,184	237,976	37,916	283,076	2,044	1,136	3,180	542,996
GLENN	2,321	31,583	23,278	57,182	985	8,906	1,140	11,031	72	0	72	57,254
HUMBOLDT	272	6,912	32	7,216	3	6,752	0	6,755	2,151	1,052	3,203	10,419
IMPERIAL	13,250	207,283	107,333	327,866	930	55,646	6,688	63,264	24	15	39	327,905
INYO	978	25	68	1,071	75	0	3	78	0	0	0	1,071
KERN	23,520	565,222	219,108	807,850	7,811	507,568	117,557	632,936	2,561	3,751	6,312	814,162
KINGS	5,455	167,791	132,268	305,514	1,882	146,292	88,285	236,459	11	28	39	305,553
LAKE	450	3,208	820	4,478	305	892	67	1,264	10	147	157	4,635
LASSEN	2	3,809	467	4,278	0	1,141	22	1,163	20	0	20	4,298
LOS ANGELES	3,524	66,888	2,551	72,963	978	22,311	2,090	25,379	5,558	1,357	6,915	79,878
MADERA	17,142	38,965	60,394	116,501	2,033	14,790	11,340	28,163	101	2	103	116,604
MARIN	5	27	0	32	5	0	0	5	806	11	817	849
MARIPOSA	23	0	1	24	1	0	0	1	0	0	0	24
MENDOCINO	1,617	1,878	1,292	4,787	549	996	124	1,669	2,212	407	2,619	7,406
MERCED	3,177	100,873	53,625	157,675	1,014	38,317	7,400	46,731	324	13	337	158,012
MODOC	69	12,093	820	12,982	60	1,938	74	2,072	113	0	113	13,095
MONO	4	377	8	389	0	118	0	118	3	0	3	392
MONTEREY	12,533	128,117	92,982	233,632	7,267	61,031	2,998	71,296	921	47	968	234,600
NAPA	1,384	31,741	2,979	36,104	342	12,714	1,103	14,159	694	0	694	36,798
NEVADA	20	189	168	377	2	0	25	27	114	156	270	647
ORANGE	6,838	2,583	5,460	14,881	478	1,033	163	1,674	2,002	975	2,977	17,858
PLACER	242	1,327	2,036	3,605	89	185	6	280	860	162	1,022	4,627
PLUMAS	2	10	78	90	0	0	0	0	40	3	43	133
RIVERSIDE	8,419	50,334	38,679	97,432	1,440	8,364	4,922	14,726	7,544	298	7,842	105,274
SACRAMENTO	2,117	15,869	16,941	34,927	694	6,712	2,135	9,541	6,974	1,056	8,030	42,957
SAN BENITO	4,621	4,833	4,114	13,568	3,457	495	259	4,211	0	1	1	13,569
SAN BERNARDINO	3,028	54,314	719	58,061	472	36,971	377	37,820	10,169	397	10,566	68,627
SAN DIEGO	14,125	10,693	2,106	26,924	1,908	886	433	3,227	6,184	104	6,288	33,212
SAN FRANCISCO	237	38	605	880	20	0	170	190	77	43	120	1,000
SAN JOAQUIN	5,844	94,633	69,354	169,831	2,813	56,168	13,145	72,126	3,909	1,075	4,984	174,815
SAN LUIS OBISPO	4,498	7,763	6,660	18,921	470	2,356	385	3,211	191	10	201	19,122
SAN MATEO	1,813	881	93	2,787	416	25	3	444	909	83	992	3,779
SANTA BARBARA	10,326	30,660	39,871	80,857	955	22,042	2,572	25,569	595	37	632	81,489
SANTA CLARA	2,258	2,129	1,785	6,172	628	109	211	948	1,552	104	1,656	7,828
SANTA CRUZ	3,377	5,038	2,531	10,946	333	2,150	184	2,667	402	47	449	11,395
SHASTA	731	16,614	247	17,592	373	11,561	11	11,945	177	470	647	18,239
SIERRA	23	1	5	29	2	0	0	2	1	0	1	30
SISKIYOU	1,314	16,992	2,611	20,917	1,246	4,816	449	6,511	1,510	24	1,534	22,451
SOLANO	1,017	31,935	114,297	147,249	179	19,667	63,607	83,453	811	239	1,050	148,299
SONOMA	3,958	16,612	3,863	24,433	1,221	8,467	747	10,435	535	242	777	25,210
STANISLAUS	9,106	146,423	107,475	263,004	4,020	76,455	12,208	92,683	2,846	134	2,980	265,984
SUTTER	3,048	27,810	45,736	76,594	819	10,911	396	12,126	47	6	53	76,647
TEHAMA	543	11,485	5,593	17,621	163	3,794	533	4,490	233	1	234	17,855
TRINITY	5	80	53	138	5	54	51	110	23	60	83	221
TULARE	15,786	218,118	83,359	317,263	6,373	137,751	22,303	166,427	1,466	202	1,668	318,931
TUOLUMNE	0	2,598	47	2,645	0	462	0	462	1	0	1	2,646
VENTURA	12,026	16,569	33,952	62,547	2,138	607	2,743	5,488	2,272	296	2,568	65,115
YOLO	3,021	78,941	48,747	130,709	1,166	28,582	7,418	37,166	732	14	746	131,455
YUBA	1,025	8,892	8,122	18,039	158	4,604	53	4,815	702	25	727	18,766
** UNKNOWN **	13,341	193,137	263,309	469,787	1,082	75,410	16,018	92,510	27,654	1,325	28,979	498,766
TOTAL	258,437	2,883,920	1,884,896	5,027,253	68,604	1,688,612	434,807	2,192,023	101,863	17,161	119,024	5,146,277

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TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NON-FARM

COUNTY	ALL NITROGEN	ALL P2O5	ALL K2O	ALL TOTAL	DRY NITROGEN	DRY P2O5	DRY K2O	DRY TOTAL	LIQUID NITROGEN	LIQUID P2O5	LIQUID K2O	LIQUID TOTAL
ALAMEDA	971	293	402	1,666	745	205	323	1,273	226	89	79	393
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	40	29	33	102	32	11	11	54	8	18	22	48
BUTTE	14,950	3,846	17,496	36,292	3,891	2,132	16,333	22,356	11,059	1,714	1,163	13,936
CALAVERAS	69	70	20	159	50	10	13	73	19	60	7	86
COLUSA	18,347	2,554	6,345	27,246	5,767	777	3,475	10,019	12,580	1,777	2,870	17,227
CONTRA COSTA	2,223	620	1,004	3,848	852	276	606	1,733	1,372	345	398	2,114
DEL NORTE	39	33	2	74	17	0	1	18	22	33	1	56
EL DORADO	163	60	53	276	139	27	41	206	24	33	12	69
FRESNO	50,994	14,923	34,998	100,914	12,706	3,110	21,816	37,632	38,288	11,813	13,182	63,283
GLENN	7,831	1,227	8,634	17,692	1,922	941	8,033	10,896	5,909	285	601	6,795
HUMBOLDT	981	1,740	505	3,225	942	742	476	2,160	39	998	29	1,065
IMPERIAL	65,309	27,490	6,536	99,335	32,743	16,953	5,676	55,372	32,566	10,537	860	43,963
INYO	163	105	166	433	147	103	159	408	16	2	7	26
KERN	41,805	9,206	25,216	76,227	6,506	3,402	15,993	25,901	35,298	5,804	9,223	50,326
KINGS	15,292	5,049	4,439	24,779	1,714	880	2,190	4,784	13,577	4,169	2,249	19,995
LAKE	339	228	179	746	150	40	54	244	189	188	125	502
LASSEN	1,123	191	328	1,642	993	171	295	1,458	131	20	33	184
LOS ANGELES	5,084	2,384	1,105	8,572	4,691	2,224	906	7,820	393	160	199	752
MADERA	17,440	4,384	11,457	33,282	3,706	2,023	4,003	9,733	13,734	2,361	7,454	23,549
MARIN	429	188	205	822	423	188	200	811	6	0	5	11
MARIPOSA	4	0	0	4	4	0	0	4	0	0	0	0
MENDOCINO	1,723	1,633	1,332	4,688	1,497	1,210	954	3,661	226	423	378	1,027
MERCED	16,026	3,345	10,350	29,720	2,485	1,329	6,736	10,549	13,542	2,016	3,614	19,172
MODOC	2,018	867	1,131	4,016	1,823	826	1,096	3,744	195	41	35	271
MONO	71	22	35	128	69	19	35	123	2	3	0	5
MONTEREY	37,378	7,126	14,811	59,315	5,120	2,710	7,649	15,479	32,258	4,416	7,162	43,836
NAPA	786	370	934	2,089	352	200	454	1,005	434	170	480	1,084
NEVADA	134	208	31	373	79	52	25	155	55	156	6	217
ORANGE	8,180	1,338	1,567	11,084	6,619	620	866	8,104	1,561	718	701	2,980
PLACER	1,431	292	529	2,252	905	203	480	1,589	525	89	49	663
PLUMAS	44	25	5	74	18	24	4	46	26	1	1	28
RIVERSIDE	21,518	7,771	4,733	34,022	13,174	3,935	3,421	20,530	8,344	3,836	1,312	13,492
SACRAMENTO	11,193	1,869	4,335	17,398	4,353	697	2,370	7,420	6,840	1,172	1,965	9,978
SAN BENITO	1,766	629	644	3,039	551	289	424	1,264	1,215	340	220	1,775
SAN BERNARDINO	7,434	1,791	2,918	12,144	7,100	1,729	2,858	11,687	334	62	60	456
SAN DIEGO	8,753	1,739	3,291	13,783	8,159	1,646	3,112	12,917	594	94	179	867
SAN FRANCISCO	170	42	133	345	46	23	87	156	124	19	46	189
SAN JOAQUIN	27,283	5,558	22,179	55,020	9,673	2,329	14,844	26,845	17,610	3,230	7,335	28,175
SAN LUIS OBISPO	2,563	725	2,731	6,019	927	269	1,082	2,278	1,636	456	1,649	3,741
SAN MATEO	1,254	375	510	2,139	1,174	360	490	2,025	80	15	20	115
SANTA BARBARA	17,893	6,643	9,232	33,768	4,951	1,211	3,549	9,712	12,941	5,432	5,683	24,056
SANTA CLARA	2,815	1,247	1,566	5,628	2,205	943	1,246	4,395	609	304	320	1,234
SANTA CRUZ	4,401	974	1,323	6,697	2,932	736	1,215	4,883	1,468	238	108	1,814
SHASTA	1,400	909	741	3,050	1,345	465	637	2,447	55	445	104	604
SIERRA	24	0	0	24	22	0	0	22	2	0	0	2
SISKIYOU	4,039	1,020	1,549	6,609	3,482	880	1,536	5,897	558	141	13	711
SOLANO	9,334	2,555	3,985	15,873	1,974	744	2,293	5,012	7,359	1,811	1,692	10,861
SONOMA	2,486	1,130	2,037	5,653	1,778	782	900	3,459	709	348	1,137	2,194
STANISLAUS	31,862	5,893	24,763	62,519	5,655	1,964	19,746	27,366	26,207	3,929	5,017	35,153
SUTTER	15,159	1,763	5,083	22,004	4,259	1,084	2,635	7,978	10,900	679	2,448	14,027
TEHAMA	2,557	480	2,426	5,464	1,017	314	2,257	3,588	1,541	166	169	1,876
TRINITY	38	66	7	111	36	7	6	49	2	59	1	62
TULARE	31,123	7,046	29,042	67,211	9,958	1,950	23,476	35,384	21,165	5,096	5,566	31,827
TUOLUMNE	13	10	3	25	2	0	3	4	11	10	0	21
VENTURA	27,808	3,579	3,396	34,783	6,631	1,680	2,571	10,882	21,177	1,899	825	23,901
YOLO	15,033	2,871	8,295	26,199	2,848	878	5,279	9,005	12,185	1,994	3,016	17,195
YUBA	2,903	938	1,535	5,375	756	546	1,384	2,686	2,147	392	151	2,689
** UNKNOWN **	140,071	30,617	95,436	266,124	69,718	15,221	44,759	129,698	70,353	15,397	50,677	136,427
TOTAL	702,277	178,086	381,742	1,262,105	261,831	82,087	241,084	585,002	440,446	95,999	140,658	677,103

FERTILIZING MATERIALS TONNAGE REPORT

JULY – DECEMBER 2022



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

SACRAMENTO, CALIFORNIA 95814

FOREWORD

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

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

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

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

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

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

Sincerely,

Original Signed by Amadou Ba

Amadou Ba, Ph.D,
Environmental Program Manager II

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

CODE	MATERIAL NAME	JAN-JUNE 2021	JAN-JUNE 2022	JULY-DEC 2021	JULY-DEC 2022	JAN-DEC 2021	JAN-DEC 2022
2	ANHYDROUS AMMONIA	5,272	5,441	3,319	5,746	8,591	11,187
6	AQUA AMMONIA	111,289	69,670	10,260	18,350	121,549	88,020
10	AMMONIUM NITRATE	682	145	1,771	207	2,453	352
12	AMMONIUM NITRATE SOLUTION	21,993	18,250	16,637	18,218	38,630	36,468
20	AMMONIUM POLYSULFIDE	65	555	1,679	787	1,744	1,342
24	AMMONIUM SULFATE	69,855	38,268	31,863	28,574	101,718	66,842
31	AMMONIUM THIOSULFATE	3,934	3,466	4,040	1,849	7,974	5,315
35	CALCIUM AMMONIUM NITRATE SOLUTION	146,366	169,132	69,385	75,707	215,751	244,839
43	CALCIUM NITRATE	21,884	33,776	15,483	9,225	37,367	43,001
58	NITROGEN SOLUTION 28%	3,965	3,071	1,199	1,652	5,164	4,723
60	NITROGEN SOLUTION 32%	387,766	397,972	218,369	179,755	606,135	577,727
62	SODIUM NITRATE	486	1,066	465	155	951	1,221
64	SULFUR COATED UREA	460	294	712	128	1,172	422
66	UREA	52,701	56,497	42,903	51,793	95,604	108,290
67	UREA SOLUTION	2,701	2,106	782	3,248	3,483	5,354
0	NON-FARM USE NITROGEN	39,096	34,960	23,472	37,874	62,568	72,834
98	NITROGEN MATERIALS - COMPOST	2,622	3,418	5,092	6,302	7,714	9,720
203	DIAMMONIUM PHOSPHATE	189	17	67	39	256	56
207	AMMONIUM PHOSPHATE SULFATE	10,023	5,442	2,412	2,091	12,435	7,533
209	MONOAMMONIUM PHOSPHATE	25,033	17,264	27,985	27,363	53,018	44,627
248	PHOSPHORIC ACID	9,838	7,355	4,029	4,152	13,867	11,507
249	LIQUID AMMONIUM POLYPHOSPHATE	31,545	25,564	13,346	18,365	44,891	43,929
263	NORMAL SUPERPHOSPHATE	49	1	2	0	51	1
267	TRIPLE SUPERPHOSPHATE	270	196	179	237	449	433
0	NON-FARM USE PHOSPHORUS	14,247	10,538	8,788	8,206	23,035	18,744
298	PHOSPHORUS MATERIALS - COMPOST	1,947	2,256	3,066	2,689	5,013	4,945
428	MURIATE OF POTASH	20,058	20,795	14,932	13,765	34,990	34,560
443	SULFATE OF POTASH MAGNESIA	20,653	21,937	17,202	15,573	37,855	37,510
453	POTASSIUM NITRATE	5,277	4,727	3,201	2,972	8,478	7,699
463	POTASSIUM SULFATE	65,675	140,483	93,645	50,557	159,320	191,040
0	NON-FARM USE POTASH	19,151	10,743	5,289	6,372	24,440	17,115
498	POTASSIUM MATERIALS - COMPOST	1,667	2,904	3,117	3,427	4,784	6,331
601	BLOOD MEAL	31	8	3	3	34	11
667	SEWAGE SLUDGE	100,910	173,954	126,202	212,737	227,112	386,691
723	COPPER - ALL MATERIALS	1,367	855	321	195	1,688	1,050
731	IRON - ALL MATERIALS	5,380	734	392	556	5,772	1,290
732	GYPSUM - ALL MATERIALS	527,583	515,820	785,471	661,155	1,313,054	1,176,975
770	SULFUR	107,621	50,003	48,093	78,206	155,714	128,209
774	SULFURIC ACID	89,190	82,497	48,443	47,569	137,633	130,066
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	292,516	161,017	15,651	281,827	308,167	442,844
907	LIMING MATERIALS - ALL MATERIALS	112,128	98,416	96,168	163,881	208,296	262,297
0	NON-FARM USE SECONDARY/MICRONUTRIENTS	14,684	12,931	129,836	10,492	144,520	23,423
613	OIM BULK COMPOST - NO NUTRIENTS	156,068	218,815	241,758	439,309	397,826	658,124
0	TOTAL	2,504,237	2,423,359	2,137,029	2,463,391	4,641,266	4,886,750

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
		2021 N	2021 P2O5	2021 K2O	2022 N	2022 P2O5	2022 K2O
0	NON-FARM USE NITROGEN	39,096	0	0	34,960	0	0
0	NON-FARM USE PHOSPHORUS	0	14,247	0	0	10,538	0
0	NON-FARM USE POTASH	0	0	19,151	0	0	10,743
2	ANHYDROUS AMMONIA	4,323	0	0	4,462	0	0
6	AQUA AMMONIA	22,258	0	0	13,934	0	0
10	AMMONIUM NITRATE	232	0	0	49	0	0
12	AMMONIUM NITRATE SOLUTION	4,399	0	0	3,650	0	0
20	AMMONIUM POLYSULFIDE	13	0	0	111	0	0
24	AMMONIUM SULFATE	14,670	0	0	8,036	0	0
31	AMMONIUM THIOSULFATE	472	0	0	416	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	24,882	0	0	28,752	0	0
43	CALCIUM NITRATE	3,283	0	0	5,066	0	0
58	NITROGEN SOLUTION 28%	1,110	0	0	860	0	0
60	NITROGEN SOLUTION 32%	124,085	0	0	127,351	0	0
62	SODIUM NITRATE	78	0	0	171	0	0
64	SULFUR COATED UREA	166	0	0	106	0	0
66	UREA	24,242	0	0	25,989	0	0
67	UREA SOLUTION	540	0	0	421	0	0
97	NITROGEN MATERIALS - ALL OTHER	237,799	0	0	167,201	0	0
98	NITROGEN MATERIALS - COMPOST	2,622	0	0	3,418	0	0
203	DIAMMONIUM PHOSPHATE	34	87	0	3	8	0
207	AMMONIUM PHOSPHATE SULFATE	1,604	2,005	0	871	1,088	0
209	MONOAMMONIUM PHOSPHATE	2,754	13,017	0	1,899	8,977	0
248	PHOSPHORIC ACID	0	5,313	0	0	3,972	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,155	10,725	0	2,556	8,692	0
263	NORMAL SUPERPHOSPHATE	0	11	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	124	0	0	90	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	80,751	0	0	58,367	0
298	PHOSPHORUS MATERIALS - COMPOST	0	1,947	0	0	2,256	0
428	MURIATE OF POTASH	0	0	12,035	0	0	12,477
443	SULFATE OF POTASH MAGNESIA	0	0	4,544	0	0	4,826
453	POTASSIUM NITRATE	739	0	2,322	662	0	2,080
463	POTASSIUM SULFATE	0	0	32,838	0	0	70,242
497	POTASSIUM MATERIALS - ALL OTHER	0	0	87,381	0	0	118,433
498	POTASSIUM MATERIALS - COMPOST	0	0	1,667	0	0	2,904
601	BLOOD MEAL	4	0	0	1	0	0
667	SEWAGE SLUDGE	6,055	2,018	1,009	10,437	3,479	1,740
0	TOTAL	518,612	130,245	160,946	441,382	97,467	223,444

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

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	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
		2021 N	2021 P2O5	2021 K2O	2022 N	2022 P2O5	2022 K2O
0	NON-FARM USE NITROGEN	62,313	0	0	72,834	0	0
0	NON-FARM USE PHOSPHORUS	0	23,025	0	0	18,744	0
0	NON-FARM USE POTASH	0	0	24,302	0	0	17,115
2	ANHYDROUS AMMONIA	7,045	0	0	9,173	0	0
6	AQUA AMMONIA	24,310	0	0	17,604	0	0
10	AMMONIUM NITRATE	834	0	0	120	0	0
12	AMMONIUM NITRATE SOLUTION	7,726	0	0	7,294	0	0
20	AMMONIUM POLYSULFIDE	349	0	0	268	0	0
24	AMMONIUM SULFATE	21,361	0	0	14,037	0	0
31	AMMONIUM THIOSULFATE	957	0	0	638	0	0
35	CALCIUM AMMONIUM NITRATE SOLUTION	36,678	0	0	41,623	0	0
43	CALCIUM NITRATE	5,605	0	0	6,450	0	0
58	NITROGEN SOLUTION 28%	1,446	0	0	1,322	0	0
60	NITROGEN SOLUTION 32%	193,963	0	0	184,873	0	0
62	SODIUM NITRATE	152	0	0	195	0	0
64	SULFUR COATED UREA	422	0	0	152	0	0
66	UREA	43,978	0	0	49,813	0	0
67	UREA SOLUTION	697	0	0	1,071	0	0
97	NITROGEN MATERIALS - ALL OTHER	344,357	0	0	246,578	0	0
98	NITROGEN MATERIALS - COMPOST	7,714	0	0	9,720	0	0
203	DIAMMONIUM PHOSPHATE	46	118	0	10	26	0
207	AMMONIUM PHOSPHATE SULFATE	1,990	2,487	0	1,205	1,507	0
209	MONOAMMONIUM PHOSPHATE	5,832	27,569	0	4,909	23,206	0
248	PHOSPHORIC ACID	0	7,488	0	0	6,214	0
249	LIQUID AMMONIUM POLYPHOSPHATE	4,489	15,263	0	4,393	14,936	0
263	NORMAL SUPERPHOSPHATE	0	11	0	0	0	0
267	TRIPLE SUPERPHOSPHATE	0	207	0	0	199	0
297	PHOSPHORUS MATERIALS - ALL OTHER	0	127,664	0	0	100,873	0
298	PHOSPHORUS MATERIALS - COMPOST	0	5,013	0	0	4,945	0
428	MURIATE OF POTASH	0	0	20,994	0	0	20,736
443	SULFATE OF POTASH MAGNESIA	0	0	8,328	0	0	8,252
453	POTASSIUM NITRATE	1,187	0	3,730	1,078	0	3,388
463	POTASSIUM SULFATE	0	0	79,660	0	0	95,520
497	POTASSIUM MATERIALS - ALL OTHER	0	0	176,436	0	0	188,582
498	POTASSIUM MATERIALS - COMPOST	0	0	4,784	0	0	6,331
601	BLOOD MEAL	4	0	0	1	0	0
667	SEWAGE SLUDGE	13,627	4,542	2,271	23,201	7,734	3,867
0	TOTAL	787,080	213,387	320,505	698,563	178,383	343,791

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 TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN	
ALAMEDA	0	0	0	0	0	56	0	0	18	17	0	0	37	0	11	0	146	1	349
ALPINE	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	5	0	0
BUTTE	0	740	0	107	0	2,812	10	0	97	35	22	1,694	0	0	488	3	612	1	28
CALAVERAS	0	0	0	0	0	12	0	0	10	0	0	1	0	0	0	0	4	0	1
COLUSA	79	3,067	0	0	0	577	123	0	2,190	1,149	0	3,347	0	0	3,586	0	1,523	1	20
CONTRA COSTA	0	25	0	3	0	3	0	0	101	17	0	2,473	0	0	91	0	192	0	154
DEL NORTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
EL DORADO	0	0	0	0	0	466	0	0	553	4	0	4	0	0	5	0	13	0	66
FRESNO	55	1	0	25	13	810	48	0	6,120	1,507	105	18,606	48	0	1,602	26	4,033	2,838	279
GLENN	0	585	0	39	0	241	1	0	47	3	0	3,794	0	0	325	0	561	0	14
HUMBOLDT	0	0	0	0	0	3	0	0	0	0	0	10	0	0	0	0	10	2	57
IMPERIAL	480	0	53	2,647	0	949	131	0	3,904	447	52	14,934	24	0	25,332	0	4,098	515	13
INYO	0	0	0	0	0	32	0	0	184	278	0	0	0	0	27	0	26	0	0
KERN	60	15	0	52	0	315	3	0	1,631	234	14	11,667	0	0	5,969	12	3,533	510	372
KINGS	971	14	0	110	0	16	11	0	1,291	105	205	8,090	0	0	182	30	1,378	52	28
LAKE	0	0	0	0	0	9	7	0	1,068	29	0	82	0	0	1	0	56	6	1
LASSEN	0	0	0	0	0	0	0	0	26	0	0	24	0	0	0	0	62	0	0
LOS ANGELES	0	0	0	0	0	74	0	0	9	95	4	41	0	0	132	1	42	12	19,038
MADERA	0	15	0	8	0	69	30	0	2,557	887	49	5,517	0	0	217	315	988	429	12
MARIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	280
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MENDOCINO	0	631	0	0	0	38	12	0	2,754	24	0	58	0	0	33	0	84	111	22
MERCED	0	0	0	3	0	812	15	0	2,167	35	18	4,800	0	0	367	791	1,881	151	84
MODOC	0	0	0	0	0	160	75	0	28	0	13	3,080	0	105	175	0	27	0	2
MONO	0	0	0	0	0	22	0	0	0	0	0	9	0	0	10	0	0	0	1
MONTEREY	0	0	3	6,752	0	4,325	763	0	6,543	210	209	3,990	8	0	306	449	6,973	14	645
NAPA	0	0	0	0	0	2	4	0	13	121	0	85	0	0	9	0	477	53	20
NEVADA	0	0	0	0	0	12	0	0	15	0	0	0	0	0	8	0	19	0	16
ORANGE	0	0	1	0	0	65	0	0	358	48	0	253	0	0	36	0	328	0	698
PLACER	0	3,866	0	0	0	125	0	0	52	1	1	391	0	0	196	0	33	0	504
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
RIVERSIDE	41	0	0	2,773	0	1,943	25	0	2,790	190	3	4,082	0	0	597	8	1,277	853	2,463
SACRAMENTO	107	380	0	475	0	255	21	0	748	441	135	2,802	0	0	950	0	2,484	0	899
SAN BENITO	0	0	0	2	0	164	6	0	1,169	6	0	1,228	0	0	17	0	960	0	45
SAN BERNARDINO	0	0	0	12	0	592	0	0	9	8	0	58	0	0	112	0	77	12	1,705
SAN DIEGO	0	0	146	34	0	82	0	0	410	349	42	268	0	0	101	0	474	0	1,397
SAN FRANCISCO	0	0	0	0	0	28	0	0	0	2	0	118	0	0	0	0	1	0	36
SAN JOAQUIN	2,579	0	0	4	0	369	80	0	3,995	108	2	11,841	0	0	932	0	3,218	0	1,206
SAN LUIS OBISPO	0	0	0	1,060	0	449	1	0	1,764	138	0	678	0	0	92	1	650	58	95
SAN MATEO	0	0	1	0	0	88	0	0	0	7	0	0	0	0	5	0	260	0	144
SANTA BARBARA	0	0	1	2,089	0	1,816	8	0	3,492	403	12	5,603	0	0	362	18	3,475	2	353
SANTA CLARA	0	16	0	0	0	91	0	0	767	22	7	116	0	0	23	0	963	36	306
SANTA CRUZ	0	0	0	2	774	146	0	2	621	83	0	165	0	0	49	0	791	0	241
SHASTA	0	0	2	188	0	267	0	0	165	2	0	124	0	0	134	106	41	0	113
SIERRA	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	1	0	0
SISKIYOU	0	0	0	0	0	404	126	0	633	0	13	228	0	21	510	0	83	0	164
SOLANO	630	1,274	0	254	0	977	90	0	327	40	0	2,425	0	0	547	1,161	4,661	49	194
SONOMA	0	25	0	54	0	12	14	1	486	275	0	30	0	0	22	0	1,163	91	165
STANISLAUS	636	0	0	0	0	1,981	24	0	7,121	87	0	12,383	48	0	1,655	2	1,694	156	150
SUTTER	0	3,398	0	692	0	2,447	22	0	1,043	394	5	3,126	22	0	485	0	404	0	8
TEHAMA	0	0	0	0	0	56	0	0	679	2	0	660	0	0	117	0	212	1	18
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1
TULARE	86	11	0	2	0	535	18	0	967	25	59	5,635	0	0	967	7	3,661	279	56
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
VENTURA	0	0	0	830	0	283	0	0	3,900	80	2	1,106	0	2	188	0	1,425	0	810
YOLO	22	4,188	0	1	0	489	9	0	711	51	102	5,241	0	0	909	0	3,462	15	75
YUBA	0	45	0	0	0	472	0	0	2,070	6	0	474	5	0	814	0	211	54	42
** UNKNOWN **	0	54	0	0	0	2,638	178	0	10,104	1,290	571	38,566	0	0	3,486	318	20,614	0	4,467
TOTAL	5,746	18,350	207	18,218	787	28,574	1,849	3	75,707	9,225	1,652	179,755	155	128	51,793	3,248	79,377	6,302	37,874

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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	22	2	0	0	0	0	0	24	0	95	0	72	3	55	41	1	115
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	6	0	1	0	0	0	13	0	0	0	0	0	0	11	0	0
BUTTE	0	30	228	2	847	0	0	488	0	27	646	13	61	2,882	610	1	53
CALAVERAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
COLUSA	0	301	359	23	1,045	0	0	362	0	0	6	1,264	43	353	778	1	0
CONTRA COSTA	0	1	0	1	335	0	2	156	0	24	27	5	4	159	180	0	68
DEL NORTE	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0	4	12	0	5	0	0	0	0	15	0	4
FRESNO	1	0	265	864	1,765	0	0	2,877	761	32	72	2,818	469	4,570	4,436	548	443
GLENN	0	117	166	0	93	0	0	362	0	1	4	120	120	1,898	1,340	0	3
HUMBOLDT	0	0	0	0	0	0	0	4	0	1	76	0	0	0	7	0	3
IMPERIAL	0	0	10,067	696	2,700	0	0	6,730	634	3	441	58	8	1,711	1,548	847	2
INYO	0	0	51	0	0	0	0	102	0	0	50	0	90	4	78	0	0
KERN	0	0	683	397	1,863	0	2	1,658	441	7	925	1,778	78	1,248	3,939	930	35
KINGS	0	0	445	19	647	0	0	1,446	2	14	517	378	102	498	1,979	1	2
LAKE	0	0	4	0	11	0	0	72	3	1	72	0	0	0	93	5	11
LASSEN	0	13	0	0	71	0	0	0	0	0	0	0	0	0	5	0	0
LOS ANGELES	1	6	48	0	1	0	3	88	6	799	356	16	11	127	113	11	1,196
MADERA	0	0	736	84	737	0	0	528	238	1	89	821	61	1,202	1,507	172	2
MARIN	0	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0	123
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	7	0	63	0	11	52	53	19	0	20	0	81	270	100	12
MERCED	0	0	3,452	53	317	0	0	1,188	88	3	631	1,997	95	1,999	2,129	153	9
MODOC	0	456	173	0	29	0	0	3	0	3	185	0	16	53	73	0	0
MONO	0	0	6	0	0	0	0	0	0	1	14	0	0	0	0	0	1
MONTEREY	0	0	438	132	168	0	0	2,854	0	65	10	610	555	4,160	4,079	0	126
NAPA	0	3	41	1	9	0	31	161	25	6	0	2	17	131	411	48	11
NEVADA	0	0	0	0	0	0	0	3	0	8	0	2	0	3	3	0	4
ORANGE	0	0	2	0	0	0	3	286	0	1,594	1	61	4	42	220	0	222
PLACER	0	0	28	0	0	0	0	17	0	40	3	0	0	387	49	0	75
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
RIVERSIDE	0	1	974	112	1,891	0	8	1,108	68	1,706	732	82	109	465	779	142	323
SACRAMENTO	0	195	163	0	9	0	0	366	0	138	28	186	7	279	879	0	256
SAN BENITO	0	0	0	0	0	0	0	171	0	0	2	97	1	48	117	0	0
SAN BERNARDINO	0	0	2,444	9	1	0	4	63	0	343	89	2	10	401	210	17	387
SAN DIEGO	13	1	27	21	0	0	23	249	0	248	42	70	243	554	331	0	208
SAN FRANCISCO	0	0	0	0	0	0	0	19	0	10	0	86	0	0	2	0	16
SAN JOAQUIN	0	0	68	1	881	0	15	1,424	0	263	1,212	448	81	1,765	4,306	0	354
SAN LUIS OBISPO	0	2	3	4	120	0	19	238	29	11	44	218	165	112	1,153	46	20
SAN MATEO	0	0	0	0	0	0	2	49	0	34	0	0	3	9	152	0	63
SANTA BARBARA	0	1	44	194	270	0	42	2,309	1	48	444	740	21	485	2,773	1	67
SANTA CLARA	0	0	2	1	22	0	1	507	14	49	57	172	1	139	623	28	73
SANTA CRUZ	1	10	2	1	15	0	1	487	0	27	0	21	58	267	784	0	85
SHASTA	0	141	22	0	26	0	0	20	0	10	69	0	102	213	254	0	23
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
SISKIYOU	0	161	141	0	5	0	0	138	0	19	158	0	0	149	14	0	33
SOLANO	0	177	627	0	463	0	46	385	29	474	0	587	16	629	960	30	62
SONOMA	0	1	20	1	102	0	0	150	43	26	0	6	7	162	679	82	63
STANISLAUS	0	2	1,260	138	2,041	0	0	930	67	39	2,819	720	168	7,851	2,301	97	66
SUTTER	0	263	217	0	703	0	11	418	0	1	129	154	31	405	1,072	0	61
TEHAMA	0	37	81	0	57	0	0	32	0	2	248	0	4	1,322	462	0	4
TRINITY	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
TULARE	1	0	566	519	175	0	0	1,866	155	8	396	721	145	1,452	4,667	112	19
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	0	7	126	237	183	0	8	1,039	0	37	67	738	4	1,289	708	0	52
YOLO	0	125	205	0	625	0	0	840	7	52	145	267	33	864	1,541	13	37
YUBA	0	21	17	0	75	0	0	130	0	7	0	80	26	543	173	40	11
** UNKNOWN **	0	0	3,155	841	0	0	0	10,669	0	1,704	3,107	1,038	0	9,659	21,248	0	1,603
TOTAL	39	2,091	27,363	4,152	18,365	0	237	42,506	2,689	8,206	13,765	15,573	2,972	50,557	70,149	3,427	6,372

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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	1	666	416	122	11	0	323	7	3,044
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	3	0	2	0	0
BUTTE	0	0	3,702	1,362	0	521	11	403	49	2,316
CALAVERAS	0	4	42	0	0	4	0	0	0	0
COLUSA	0	0	16,470	4,860	0	200	272	931	0	101
CONTRA COSTA	0	0	392	224	0	712	24	66	1	0
DEL NORTE	0	0	0	0	0	0	0	2	0	0
EL DORADO	0	0	15	3	0	1	0	21	5	0
FRESNO	21	49	125,685	2,263	33,111	3,469	7,391	14,004	618	33,220
GLENN	0	0	2,964	1,112	0	36,634	0	5,498	23	9,159
HUMBOLDT	0	0	0	3,596	0	0	0	1	141	1
IMPERIAL	0	18	5,368	40,461	0	564	2,782	59,782	8	64,056
INYO	0	5	2	3	0	0	0	23	0	0
KERN	119	9	181,110	4,444	32,528	2,858	2,522	37,210	107	0
KINGS	7	88	103,787	8,058	21,403	4,119	28,094	1,988	0	9,893
LAKE	0	0	892	0	0	6	0	25	0	1,705
LASSEN	0	0	123	0	0	12	0	27	0	0
LOS ANGELES	1	23	43	8	5,071	0	0	769	701	17,247
MADERA	2	0	5,785	105	11,936	785	41	11,445	0	4,139
MARIN	0	0	25	0	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	272	490	0	3	0	161	4	0
MERCED	1	2	21,945	3,260	6,048	1,588	232	9,111	2	47,963
MODOC	0	0	1,473	97	0	215	0	143	0	1,120
MONO	0	0	0	0	0	1	0	0	0	0
MONTEREY	4	30	7,250	28,508	0	293	4	25,589	14	66,681
NAPA	0	2	480	455	0	5	0	2,261	312	27,121
NEVADA	0	0	24	0	0	0	0	2	6	81
ORANGE	0	30	100	5	0	39	0	253	185	0
PLACER	0	0	8	15	81	8	0	11	3	449
PLUMAS	0	0	0	0	0	0	0	142	0	0
RIVERSIDE	0	22	5,076	10	75	223	314	16,272	190	14,470
SACRAMENTO	0	32	4,027	264	24,574	1,563	14	5,685	188	3,423
SAN BENITO	0	0	2,321	81	0	48	0	378	0	1,099
SAN BERNARDINO	0	10	233	4	40	1	0	294	4,173	195
SAN DIEGO	5	76	681	81	20	13	0	1,149	1,322	4,154
SAN FRANCISCO	0	0	0	3	0	0	0	52	0	0
SAN JOAQUIN	0	22	14,797	5,492	484	9,010	222	1,816	49	235
SAN LUIS OBISPO	2	25	613	106	268	28	50	439	25	4,156
SAN MATEO	0	6	9	27	0	1	0	30	7	224
SANTA BARBARA	1	4	7,760	11,206	0	624	791	23,287	11	3,295
SANTA CLARA	0	2	153	80	0	18	3	408	1	40
SANTA CRUZ	0	0	2,914	38	0	193	0	8,644	65	24
SHASTA	0	0	452	6,444	0	412	0	2,355	1	0
SIERRA	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	0	1,759	849	0	662	199	294	0	1,750
SOLANO	0	48	5,378	959	74,381	83	11	78	211	2,644
SONOMA	0	9	3,342	1,113	0	0	0	1,044	3	9,185
STANISLAUS	6	12	26,832	17,493	987	3,814	171	2,215	278	10,744
SUTTER	0	0	7,313	681	0	638	0	234	1	0
TEHAMA	0	0	872	2,149	0	12	0	4,904	10	324
TRINITY	0	0	0	0	0	0	0	0	0	0
TULARE	24	4	62,705	1,941	249	3,981	1,778	15,499	709	77,900
TUOLUMNE	0	0	0	0	0	1	0	0	0	1,613
VENTURA	0	22	1,328	8	0	382	902	3,102	94	3,231
YOLO	1	0	3,914	333	1,359	294	474	9,928	11	10,917
YUBA	1	1	518	4,246	0	0	0	98	0	0
** UNKNOWN **	0	0	29,535	10,528	0	4,154	1,267	13,429	957	1,390
TOTAL	195	556	661,155	163,881	212,737	78,206	47,569	281,827	10,492	439,309

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 JULY-DECEMBER 2022
 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	346	4,536	207	5,089	163	1,284	92	1,539	543	23	566	5,655
ALPINE	0	25	0	25	0	0	0	0	0	0	0	25
AMADOR	6	17	28	51	0	1	4	5	0	0	0	51
BUTTE	1,240	15,367	4,137	20,744	235	5,704	60	5,999	96	61	157	20,901
CALAVERAS	49	17	23	89	46	0	4	50	2	0	2	91
COLUSA	1,898	28,909	12,204	43,011	1,252	20,506	975	22,733	20	0	20	43,031
CONTRA COSTA	135	1,534	3,524	5,193	16	1,228	174	1,418	221	26	247	5,440
DEL NORTE	2	0	0	2	2	0	0	2	1	10	11	13
EL DORADO	79	475	567	1,121	30	9	1	40	78	2	80	1,201
FRESNO	9,327	205,575	59,659	274,561	3,005	163,223	19,765	185,993	923	384	1,307	275,868
GLENN	563	59,430	5,190	65,183	101	45,992	115	46,208	41	0	41	65,224
HUMBOLDT	24	3,600	12	3,636	1	3,596	0	3,597	266	38	304	3,940
IMPERIAL	3,140	211,477	37,421	252,038	681	103,215	5,080	108,976	22	3	25	252,063
INYO	622	137	196	955	31	0	2	33	0	0	0	955
KERN	10,462	233,286	55,190	298,938	2,075	226,282	32,443	260,800	331	8	339	299,277
KINGS	1,188	149,907	44,832	195,927	485	138,054	29,005	167,544	41	3	44	195,971
LAKE	171	905	3,025	4,101	122	784	17	923	2	1	3	4,104
LASSEN	152	39	222	413	99	37	26	162	0	0	0	413
LOS ANGELES	894	40,577	137	41,608	380	5,502	33	5,915	3,758	727	4,485	46,093
MADERA	3,121	36,203	12,170	51,494	794	28,336	969	30,099	15	0	15	51,509
MARIN	2	24	0	26	1	24	0	25	521	2	523	549
MARIPOSA	0	0	1	1	0	0	0	0	0	0	0	1
MENDOCINO	372	1,092	3,864	5,328	122	741	63	926	46	11	57	5,385
MERCED	2,846	93,220	16,326	112,392	1,106	39,186	1,895	42,187	97	1	98	112,490
MODOC	138	4,210	3,351	7,699	9	1,839	80	1,928	5	0	5	7,704
MONO	0	53	9	62	0	1	0	1	3	0	3	65
MONTEREY	7,542	133,745	30,623	171,910	1,695	58,787	1,196	61,678	834	16	850	172,760
NAPA	619	11,007	20,342	31,968	150	2,290	763	3,203	349	0	349	32,317
NEVADA	10	141	21	172	2	24	0	26	27	7	34	206
ORANGE	494	492	1,149	2,135	136	234	57	427	2,343	356	2,699	4,834
PLACER	113	1,237	4,380	5,730	90	22	11	123	494	128	622	6,352
PLUMAS	1	142	0	143	0	142	0	142	2	0	2	145
RIVERSIDE	3,795	29,071	24,613	57,479	1,105	9,795	11,092	21,992	4,523	155	4,678	62,157
SACRAMENTO	571	18,568	30,973	50,112	195	11,722	24,242	36,159	1,211	260	1,471	51,583
SAN BENITO	3,077	2,075	2,757	7,909	2,137	634	57	2,828	42	3	45	7,954
SAN BERNARDINO	461	4,278	168	4,907	213	324	45	582	6,525	83	6,608	11,515
SAN DIEGO	3,399	4,969	1,291	9,659	1,009	683	333	2,025	3,112	63	3,175	12,834
SAN FRANCISCO	98	27	186	311	5	2	48	55	56	6	62	373
SAN JOAQUIN	2,133	32,048	31,226	65,407	1,069	25,464	5,310	31,843	1,846	26	1,872	67,279
SAN LUIS OBISPO	1,260	6,529	4,942	12,731	109	1,246	176	1,531	145	6	151	12,882
SAN MATEO	546	321	6	873	67	5	1	73	235	13	248	1,121
SANTA BARBARA	4,641	46,485	20,449	71,575	261	41,840	1,573	43,674	455	23	478	72,053
SANTA CLARA	1,101	1,422	1,789	4,312	452	86	126	664	308	121	429	4,741
SANTA CRUZ	1,019	12,570	2,504	16,093	423	11,195	171	11,789	418	0	418	16,511
SHASTA	188	10,446	905	11,539	22	9,397	244	9,663	130	17	147	11,686
SIERRA	0	0	15	15	0	0	0	0	0	0	0	15
SISKIYOU	57	6,605	1,635	8,297	24	3,290	449	3,763	207	9	216	8,513
SOLANO	748	87,396	11,722	99,866	254	80,629	55	80,938	500	441	941	100,807
SONOMA	974	15,204	1,941	18,119	263	4,867	378	5,508	196	61	257	18,376
STANISLAUS	3,223	73,329	29,333	105,885	2,104	46,297	3,129	51,530	1,021	82	1,103	106,988
SUTTER	881	13,231	10,197	24,309	359	8,403	104	8,866	16	0	16	24,325
TEHAMA	228	5,735	6,269	12,232	157	3,067	4,713	7,937	34	0	34	12,266
TRINITY	2	0	0	2	0	0	0	0	2	0	2	4
TULARE	3,639	163,839	19,630	187,108	1,888	78,380	5,913	86,181	721	71	792	187,900
TUOLUMNE	0	1,613	9	1,622	0	0	1	1	0	0	0	1,622
VENTURA	3,023	7,779	10,395	21,197	959	2,199	2,586	5,744	941	52	993	22,190
YOLO	849	29,024	17,195	47,068	317	13,641	2,345	16,303	154	18	172	47,240
YUBA	412	6,831	2,907	10,150	108	4,741	15	4,864	60	0	60	10,210
** UNKNOWN **	4,915	90,309	91,593	186,817	191	50,337	8,385	58,913	7,818	928	8,746	195,563
TOTAL	86,796	1,907,083	643,460	2,637,339	26,520	1,255,287	164,321	1,446,128	41,757	4,245	46,002	2,683,341

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JULY-DECEMBER 2022
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	542	132	203	877	478	124	184	786	64	8	19	91
ALPINE	5	0	0	5	5	0	0	5	0	0	0	0
AMADOR	11	15	11	36	8	3	2	13	3	12	9	24
BUTTE	2,320	929	2,522	5,771	1,291	447	2,313	4,051	1,030	481	209	1,720
CALAVERAS	10	8	5	23	6	5	2	13	4	3	3	10
COLUSA	5,822	977	1,256	8,054	3,002	529	563	4,093	2,820	448	694	3,961
CONTRA COSTA	1,239	296	347	1,882	247	40	195	481	993	255	152	1,400
DEL NORTE	6	5	0	11	1	0	0	1	5	5	0	10
EL DORADO	275	19	22	315	179	13	18	209	96	6	4	106
FRESNO	17,636	5,537	8,913	32,086	7,331	2,395	6,144	15,870	10,306	3,142	2,769	16,216
GLENN	2,186	504	2,374	5,064	657	323	2,180	3,160	1,528	182	194	1,904
HUMBOLDT	73	81	38	192	65	53	34	152	8	28	4	40
IMPERIAL	24,341	13,896	3,533	41,770	15,928	7,744	3,338	27,011	8,413	6,152	195	14,760
INYO	136	129	150	414	101	128	145	373	35	1	5	41
KERN	13,566	3,960	6,834	24,360	6,973	1,810	3,437	12,220	6,592	2,150	3,397	12,139
KINGS	6,667	2,352	2,883	11,902	1,697	707	1,135	3,540	4,970	1,644	1,748	8,362
LAKE	280	82	111	473	48	52	23	123	232	30	88	349
LASSEN	83	32	48	163	37	5	3	44	46	27	45	118
LOS ANGELES	19,511	1,023	1,656	22,190	19,313	958	1,413	21,684	198	64	243	505
MADERA	4,841	1,684	2,662	9,187	1,859	1,061	1,724	4,644	2,982	623	938	4,543
MARIN	281	120	123	524	280	120	122	522	1	0	1	2
MARIPOSA	1	0	0	1	0	0	0	0	1	0	0	1
MENDOCINO	865	154	427	1,446	216	104	192	511	650	50	235	935
MERCED	5,318	3,331	4,013	12,662	1,885	907	2,553	5,345	3,433	2,424	1,460	7,317
MODOC	1,281	197	218	1,696	263	184	187	634	1,018	13	31	1,062
MONO	14	4	9	27	11	4	9	24	3	0	0	3
MONTEREY	12,837	3,275	6,669	22,781	3,061	1,438	3,731	8,230	9,776	1,837	2,938	14,552
NAPA	611	232	543	1,386	432	139	217	789	179	93	326	597
NEVADA	44	11	9	64	38	4	7	49	6	7	2	15
ORANGE	1,206	1,882	479	3,568	765	1,604	222	2,591	442	278	257	977
PLACER	1,570	75	320	1,965	519	67	285	871	1,051	8	35	1,094
PLUMAS	2	0	1	3	2	0	1	3	0	0	0	0
RIVERSIDE	7,985	4,097	1,982	14,065	4,587	2,594	1,742	8,923	3,398	1,503	241	5,142
SACRAMENTO	6,601	1,122	1,581	9,304	2,551	381	671	3,603	4,050	741	910	5,701
SAN BENITO	1,640	171	164	1,975	881	101	102	1,085	759	70	62	890
SAN BERNARDINO	2,266	1,685	873	4,824	2,196	1,662	844	4,702	70	23	29	122
SAN DIEGO	2,251	540	964	3,755	1,959	503	870	3,332	293	36	94	423
SAN FRANCISCO	81	29	37	147	38	9	36	83	43	20	1	64
SAN JOAQUIN	11,676	2,039	6,409	20,124	2,836	753	3,034	6,623	8,840	1,286	3,375	13,502
SAN LUIS OBISPO	1,741	337	1,425	3,503	790	172	618	1,580	951	165	807	1,923
SAN MATEO	427	84	221	731	420	80	216	715	7	4	5	16
SANTA BARBARA	7,286	2,597	3,522	13,405	1,399	572	1,209	3,180	5,887	2,025	2,313	10,224
SANTA CLARA	1,513	580	866	2,959	821	433	667	1,921	692	147	199	1,038
SANTA CRUZ	1,423	524	1,033	2,979	752	436	716	1,904	671	88	317	1,076
SHASTA	441	78	470	989	294	69	421	783	147	10	49	206
SIERRA	5	0	3	8	0	0	0	0	5	0	3	8
SISKIYOU	815	264	216	1,296	531	158	215	904	284	107	1	392
SOLANO	11,872	2,916	2,196	16,984	6,324	1,833	1,397	9,555	5,548	1,083	799	7,430
SONOMA	1,596	265	909	2,770	1,278	144	288	1,710	318	121	621	1,061
STANISLAUS	9,322	2,480	8,323	20,125	2,195	1,016	6,389	9,601	7,126	1,463	1,934	10,524
SUTTER	3,352	829	1,405	5,587	1,233	487	472	2,193	2,119	342	933	3,394
TEHAMA	645	103	1,278	2,025	217	54	1,244	1,514	428	49	34	511
TRINITY	2	1	0	3	2	1	0	3	0	0	0	0
TULARE	6,733	2,669	5,987	15,388	1,287	905	4,627	6,818	5,446	1,764	1,360	8,570
TUOLUMNE	8	0	0	8	0	0	0	0	8	0	0	8
VENTURA	3,611	1,337	1,609	6,557	1,479	827	1,281	3,587	2,132	510	328	2,970
YOLO	6,951	1,270	2,197	10,418	2,266	291	815	3,372	4,685	979	1,382	7,046
YUBA	1,313	200	525	2,037	640	145	483	1,268	673	55	42	769
** UNKNOWN **	42,043	13,760	29,775	85,578	18,993	7,128	11,653	37,775	23,050	6,632	18,122	47,804
TOTAL	257,181	80,916	120,347	458,443	122,667	41,721	70,386	234,774	134,513	39,195	49,960	223,669

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
 JANUARY-DECEMBER 2022
 TONS OF NITROGEN MATERIALS - FARM USE AND NON-FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE SOLUTION	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER	NITROGEN MATERIALS - COMPOST	NON-FARM USE NITROGEN	
ALAMEDA	0	0	0	0	0	71	0	0	57	295	0	293	0	0	78	245	2	690	
ALPINE	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	
AMADOR	0	0	0	0	0	15	0	0	1	0	0	2	0	0	80	10	0	1	
BUTTE	0	27,201	0	107	0	7,549	758	0	2,267	188	39	10,743	0	1	2,213	382	1,764	417	
CALAVERAS	0	0	0	0	0	28	0	0	36	0	0	1	0	0	1	40	0	11	
COLUSA	128	9,058	0	0	0	1,762	169	0	9,616	1,374	1	12,905	0	0	6,388	159	3,916	22	
CONTRA COSTA	0	25	1	98	0	9	0	0	460	23	0	4,224	0	0	124	697	0	474	
DEL NORTE	0	0	0	0	0	0	0	0	576	12	0	40	0	0	12	0	0	17	
EL DORADO	0	0	0	0	0	473	0	0	576	12	0	40	0	0	12	0	0	150	
FRESNO	136	15	0	124	81	1,897	137	0	29,332	4,500	215	60,766	176	0	2,573	95	15,810	652	
GLENN	0	7,517	0	39	0	2,963	13	0	2,037	12	23	12,294	0	0	785	19	1,705	29	
HUMBOLDT	0	0	0	2	0	3	0	0	0	32	0	20	0	0	0	46	9	285	
IMPERIAL	2,642	0	74	6,300	0	5,146	190	0	7,071	447	284	50,312	620	0	51,213	1	9,100	17	
INYO	0	0	0	0	0	35	0	0	196	556	0	25	0	0	51	0	52	0	
KERN	140	16	0	103	79	656	388	0	5,591	5,582	56	53,101	76	0	6,101	13	9,687	1,149	
KINGS	2,191	42	0	110	4	48	73	0	2,846	1,868	271	27,534	0	0	421	91	3,048	45	
LAKE	0	0	0	0	0	14	13	0	1,217	59	0	216	0	0	1	132	10	22	
LASSEN	0	0	0	0	0	233	10	0	26	0	0	295	0	0	638	0	352	7	
LOS ANGELES	0	0	0	102	0	147	4	0	13	185	4	243	0	0	579	2	634	20,545	
MADERA	0	41	0	447	0	176	47	0	6,723	11,090	69	24,679	11	0	626	381	4,473	15	
MARIN	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	1	0	481	
MARIPOSA	0	0	0	0	0	1	0	0	1	18	0	0	0	0	3	0	0	0	
MENDOCINO	0	676	0	0	0	38	80	0	3,062	107	0	121	0	0	137	0	363	351	
MERCED	0	4	0	137	0	1,457	47	0	10,981	104	74	23,155	0	0	586	820	5,143	201	
MODOC	0	0	0	0	0	816	96	0	33	0	13	3,238	0	346	1,048	0	455	71	
MONO	0	0	0	0	0	75	0	0	0	0	0	12	0	0	113	0	2	0	
MONTEREY	0	0	5	13,876	0	4,978	1,679	0	11,318	536	563	11,321	8	0	894	967	17,319	763	
NAPA	0	0	0	0	0	3	13	0	750	372	0	208	0	0	25	0	733	68	
NEVADA	0	99	0	0	0	48	0	0	17	0	0	0	0	0	8	0	68	39	
ORANGE	0	0	2	0	0	192	0	0	3,561	609	0	666	0	0	119	0	4,936	1,772	
PLACER	0	5,239	0	33	0	287	2	0	91	35	1	751	0	0	229	0	137	875	
PLUMAS	0	0	0	0	0	1	0	0	0	0	0	78	0	0	8	0	2	6	
RIVERSIDE	239	0	0	5,278	0	2,492	27	0	5,773	186	14	12,443	0	0	1,412	8	7,482	5,594	
SACRAMENTO	377	1,371	1	475	0	339	53	0	2,002	1,754	308	6,506	0	0	1,235	0	6,108	2,038	
SAN BENITO	0	0	0	11	0	167	1	0	1,695	12	0	1,289	0	0	43	0	1,623	45	
SAN BERNARDINO	0	0	0	12	0	655	0	0	70	12	0	125	0	0	208	0	578	4,234	
SAN DIEGO	0	0	246	60	0	151	0	0	776	886	44	461	0	0	234	0	3,720	2,681	
SAN FRANCISCO	0	318	10	0	0	32	0	0	0	2	0	158	0	0	0	0	36	48	
SAN JOAQUIN	2,589	0	0	18	0	2,431	120	0	14,368	591	2	27,770	0	0	6,704	0	10,064	3,829	
SAN LUIS OBISPO	0	0	0	1,750	0	616	5	0	2,205	565	1	1,117	0	0	114	2	1,151	123	
SAN MATEO	0	68	5	0	0	91	0	0	0	247	0	5	0	0	142	0	439	449	
SANTA BARBARA	0	0	1	4,110	0	2,020	14	0	5,647	1,102	21	9,360	1	0	1,184	18	7,508	2,557	
SANTA CLARA	0	16	0	3	0	156	1	0	833	87	10	257	0	0	198	0	1,943	724	
SANTA CRUZ	0	0	0	2	774	253	0	5	639	364	0	231	0	0	111	0	1,966	302	
SHASTA	0	0	5	192	0	812	0	0	171	80	9	171	0	0	1,320	106	100	163	
SIERRA	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	1	0	
SISKIYOU	0	0	1	0	0	1,005	194	0	1,326	0	13	551	0	73	1,303	0	396	324	
SOLANO	1,107	1,382	0	254	0	1,300	326	0	1,577	377	0	6,000	0	0	753	1,161	5,851	84	
SONOMA	0	124	1	187	0	15	56	6	1,197	769	0	72	0	0	72	0	2,086	213	
STANISLAUS	1,052	0	0	0	403	6,811	80	0	33,033	394	0	40,060	48	0	3,546	2	6,440	341	
SUTTER	0	23,748	0	879	0	6,141	62	0	5,383	618	301	12,708	110	0	1,169	438	3,004	17	
TEHAMA	0	120	0	26	0	1,890	5	0	1,041	2	11	3,370	0	0	267	0	506	114	
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	23	11	
TULARE	537	13	0	2	1	1,866	87	0	7,997	2,008	122	23,117	30	0	2,264	26	17,594	927	
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	8	1	
VENTURA	0	0	0	1,693	0	346	0	0	5,743	1,590	2	2,220	0	2	434	0	20,392	1,850	
YOLO	45	6,982	0	1	0	993	106	0	9,009	105	393	19,553	0	0	1,775	57	6,840	41	
YUBA	0	3,891	0	37	0	1,311	1	0	3,032	11	67	1,973	141	0	1,018	0	751	78	
** UNKNOWN **	4	54	0	0	0	5,776	458	0	43,443	3,150	1,792	110,919	0	0	7,988	626	59,059	16,939	
TOTAL	11,187	88,020	352	36,488	1,342	66,842	5,315	11	244,839	43,001	4,723	577,727	1,221	422	108,290	5,354	246,578	9,720	72,834

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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	22	5	2	0	1	0	0	62	0	230	1	78	7	73	87	2	301
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMADOR	0	12	0	1	0	0	0	31	0	1	0	0	0	0	27	0	1
BUTTE	0	563	2,229	2	3,236	0	0	1,344	1	568	3,921	303	144	18,875	2,179	3	656
CALAVERAS	0	0	0	0	3	0	0	17	0	26	0	0	1	2	8	0	63
COLUSA	0	665	701	46	2,294	0	0	1,361	0	1	6	2,780	89	820	2,294	64	1
CONTRA COSTA	0	2	0	3	554	0	3	261	0	131	46	7	13	392	466	0	311
DEL NORTE	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0
EL DORADO	0	0	4	0	0	0	7	23	0	14	0	0	15	7	31	0	14
FRESNO	2	0	387	3,334	3,918	0	3	8,588	1,288	111	416	6,290	777	17,539	16,285	927	1,436
GLENN	0	218	606	0	383	0	0	976	0	2	47	273	265	9,588	3,961	0	4
HUMBOLDT	0	0	0	0	0	0	0	24	0	4	0	4	0	27	34	7	185
IMPERIAL	0	0	14,204	2,013	4,391	0	0	11,613	1,128	6	787	134	56	4,331	2,163	1,414	5
INYO	0	0	52	0	0	0	0	204	0	0	50	0	180	8	158	0	0
KERN	0	0	1,174	922	3,728	0	9	4,776	514	22	2,412	4,675	597	9,498	15,545	1,045	99
KINGS	0	0	488	439	1,911	0	0	2,952	0	20	601	1,172	368	2,602	3,587	1	10
LAKE	0	7	0	39	0	0	0	110	0	5	0	0	0	120	9	2	2
LASSEN	0	13	179	0	71	0	0	14	0	3	268	0	0	72	73	0	7
LOS ANGELES	1	13	51	0	16	0	6	365	10	1,468	356	16	30	147	219	42	1,499
MADERA	0	0	824	529	2,097	0	0	1,601	375	1	473	1,944	137	4,061	7,128	271	2
MARIN	0	0	0	0	0	0	0	0	0	205	0	0	0	0	0	0	220
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	174	0	154	0	22	180	94	457	0	26	10	243	462	173	286
MERCED	0	10	3,868	139	1,562	0	0	2,650	144	12	1,122	2,625	220	4,931	5,303	209	28
MODOC	0	1,648	949	0	137	0	0	0	0	47	971	0	16	1,143	74	0	0
MONO	0	0	36	0	36	0	0	3	0	2	56	0	0	0	1	0	2
MONTREY	1	6	520	208	267	0	2	6,058	0	151	32	1,114	1,029	9,384	7,849	0	224
NAPA	0	6	63	1	22	0	62	349	25	21	0	2	34	238	823	49	41
NEVADA	0	0	0	0	0	0	0	24	0	19	0	2	0	6	4	0	12
ORANGE	0	12	16	0	43	0	9	715	0	1,862	2	131	9	721	709	0	442
PLACER	0	147	123	0	0	0	0	42	0	114	126	0	0	480	85	0	185
PLUMAS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4
RIVERSIDE	7	3	2,130	343	5,336	0	25	1,925	227	2,485	1,859	252	215	797	1,509	522	727
SACRAMENTO	0	332	308	0	67	0	0	1,304	1	316	36	498	13	1,798	1,881	0	535
SAN BENITO	0	0	0	0	9	0	0	427	0	0	2	128	1	220	255	0	0
SAN BERNARDINO	0	1	2,563	9	3	0	22	86	30	658	101	6	91	428	1,887	72	700
SAN DIEGO	13	7	82	38	0	0	47	674	0	542	121	483	458	2,459	752	0	432
SAN FRANCISCO	0	0	0	0	0	0	0	23	0	18	20	259	0	33	0	0	29
SAN JOAQUIN	0	3	251	93	2,304	0	17	4,069	0	855	1,708	800	105	15,114	9,618	0	725
SAN LUIS OBISPO	0	2	3	6	170	0	27	511	40	25	51	488	510	350	2,090	62	34
SAN MATEO	0	0	0	0	0	0	2	213	0	87	0	0	11	87	318	0	148
SANTA BARBARA	0	5	114	411	583	0	70	5,201	4	82	505	1,351	122	4,057	5,692	1	113
SANTA CLARA	3	0	26	16	35	0	5	1,039	30	190	66	339	6	183	1,130	61	287
SANTA CRUZ	6	18	24	4	25	0	2	874	0	47	0	85	181	623	1,051	0	125
SHASTA	0	422	443	0	28	0	0	77	0	39	761	0	109	303	328	0	63
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	668	1,120	0	89	0	0	207	0	42	1,147	41	1	1,416	39	0	741
SOLANO	0	1,032	748	0	467	0	46	736	48	746	0	679	119	2,308	1,694	51	114
SONOMA	0	12	44	1	149	0	0	400	141	101	0	14	14	551	1,322	324	109
STANISLAUS	0	2	2,493	204	3,493	0	0	3,263	82	107	18,243	1,014	385	18,243	6,282	119	168
SUTTER	0	1,323	998	0	2,259	0	11	685	0	4	648	726	205	2,558	2,540	0	121
TEHAMA	0	87	455	0	165	0	0	146	0	3	248	22	40	3,457	623	0	12
TRINITY	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	1	5
TULARE	1	0	678	1,151	1,514	0	0	4,669	700	20	2,529	3,748	487	25,309	10,781	810	101
TUOLUMNE	0	0	0	0	0	0	0	7	0	0	0	13	0	0	0	0	0
VENTURA	0	18	192	362	236	0	35	3,052	0	108	90	1,717	271	2,102	1,547	0	173
YOLO	0	229	361	0	1,952	0	0	1,971	19	172	192	550	254	5,967	3,237	36	112
YUBA	0	48	334	0	198	0	0	396	33	16	825	208	105	1,234	427	56	26
** UNKNOWN **	0	0	4,583	1,232	0	0	1	24,599	0	6,192	6,164	2,530	0	16,157	63,878	0	6,307
TOTAL	56	7,533	44,627	11,607	43,929	0	433	100,873	4,945	18,744	34,560	37,510	7,699	191,040	188,582	6,331	17,115

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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	2	712	430	122	269	0	1,028	8	4,869
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	20	0	5	0	0
BUTTE	4	11	4,643	2,047	0	879	62	1,124	139	2,867
CALAVERAS	0	4	105	0	0	26	0	0	84	0
COLUSA	501	1	26,605	5,777	0	1,423	920	3,698	0	101
CONTRA COSTA	0	6	393	232	0	931	24	127	4	0
DEL NORTE	0	0	0	0	0	0	0	4	0	0
EL DORADO	0	0	43	6	0	4	0	43	31	0
FRESNO	50	150	181,693	3,909	34,830	7,208	12,393	38,496	1,178	55,281
GLENN	22	0	5,890	2,099	0	36,982	243	6,187	67	11,050
HUMBOLDT	0	0	0	7,571	0	0	0	13	339	1
IMPERIAL	0	36	7,270	61,370	0	1,849	3,481	62,695	25	84,097
INYO	0	10	4	6	0	0	0	46	0	0
KERN	186	25	465,969	5,476	57,625	8,195	11,360	91,586	1,458	12,243
KINGS	15	96	123,519	9,253	29,632	7,122	80,391	4,265	0	10,817
LAKE	0	0	1,137	24	0	6	0	82	0	3,079
LASSEN	0	7	718	43	0	87	0	195	0	0
LOS ANGELES	1	47	1,660	47	25,858	252	0	1,997	1,770	36,656
MADERA	9	2	7,889	105	18,291	1,629	6,050	15,105	23	5,213
MARIN	0	0	27	0	0	1	0	0	1	0
MARIPOSA	0	0	1	0	0	0	0	0	0	0
MENDOCINO	0	0	661	1,085	0	4	0	413	12	0
MERCED	3	7	30,681	5,101	8,983	5,669	748	11,162	49	62,284
MODOC	0	0	1,643	146	0	1,145	0	339	0	3,523
MONO	0	0	0	0	0	1	0	18	0	0
MONTEREY	6	34	13,247	50,665	0	463	79	31,419	35	78,209
NAPA	0	4	1,957	1,025	0	12	0	4,501	313	39,691
NEVADA	0	0	24	0	0	0	0	4	14	168
ORANGE	0	40	272	17	30	95	0	560	282	0
PLACER	0	5	28	15	114	15	0	52	26	449
PLUMAS	0	0	0	0	0	0	0	142	0	0
RIVERSIDE	1	40	6,038	72	215	275	314	19,720	765	25,359
SACRAMENTO	0	32	4,588	588	26,195	2,151	14	7,878	2,688	3,567
SAN BENITO	0	0	3,307	101	0	72	0	709	1	1,990
SAN BERNARDINO	0	52	276	6	36,861	29	24	499	6,220	7,623
SAN DIEGO	8	131	1,111	215	41	13	0	2,083	2,578	9,190
SAN FRANCISCO	0	0	0	4	0	0	0	227	1	0
SAN JOAQUIN	1	217	27,871	13,218	1,009	19,113	667	4,586	83	297
SAN LUIS OBISPO	6	41	2,078	110	268	148	50	969	87	7,578
SAN MATEO	0	41	20	247	0	4	0	69	50	508
SANTA BARBARA	1	14	10,965	19,610	430	1,063	847	24,806	79	4,931
SANTA CLARA	0	10	471	184	0	24	6	596	18	179
SANTA CRUZ	0	2	3,212	59	0	193	1	9,939	99	24
SHASTA	0	0	1,067	11,738	0	552	0	2,465	32	315
SIERRA	0	0	0	0	0	0	0	2	0	0
SISKIYOU	2	10	2,506	1,311	0	1,941	316	1,594	0	4,122
SOLANO	0	56	6,287	1,669	138,886	84	23	293	378	6,598
SONOMA	5	31	6,272	1,704	0	5	0	2,147	7	11,465
STANISLAUS	51	46	37,093	23,971	987	11,248	364	5,745	355	25,975
SUTTER	24	0	12,038	1,589	0	873	35	1,029	4	25
TEHAMA	0	0	3,270	2,383	0	391	0	5,182	10	543
TRINITY	0	5	0	0	0	0	0	105	0	0
TULARE	38	23	114,734	4,562	267	7,072	7,501	26,615	1,381	93,075
TUOLUMNE	0	0	0	437	0	1	0	0	0	3,173
VENTURA	1	45	1,631	24	0	547	967	5,160	231	9,691
YOLO	113	1	8,368	460	6,047	486	1,006	16,162	39	29,884
YUBA	2	2	2,031	4,597	0	0	0	131	2	24
** UNKNOWN **	0	4	44,950	16,989	0	7,637	2,180	28,827	2,457	1,390
TOTAL	1,050	1,290	1,176,975	262,297	386,691	128,209	130,066	442,844	23,423	658,124

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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	894	6,666	1,253	8,813	254	1,539	770	2,563	1,163	66	1,229	10,042
ALPINE	0	25	0	25	0	0	0	0	0	0	0	25
AMADOR	12	98	74	184	0	1	24	25	3	0	3	187
BUTTE	4,268	46,325	47,039	97,632	815	7,522	433	8,770	697	1,083	1,780	99,412
CALAVERAS	145	35	92	272	109	0	26	135	104	23	127	399
COLUSA	6,397	45,148	44,078	95,623	2,847	31,232	4,846	38,925	24	0	24	95,647
CONTRA COSTA	430	1,920	6,771	9,121	58	1,293	362	1,713	807	113	920	10,041
DEL NORTE	26	73	0	99	4	0	0	4	5	26	31	130
EL DORADO	162	517	638	1,317	60	31	5	96	206	3	209	1,526
FRESNO	23,042	314,491	175,939	513,472	6,433	228,377	43,919	278,729	1,867	1,445	3,312	516,784
GLENN	1,924	79,477	24,796	106,197	447	50,111	865	51,423	102	0	102	106,299
HUMBOLDT	113	7,649	25	7,787	3	7,581	0	7,584	1,029	165	1,194	8,981
IMPERIAL	8,908	289,192	99,178	397,278	997	126,491	9,214	136,702	46	6	52	397,330
INYO	1,248	138	247	1,633	62	0	4	66	0	0	0	1,633
KERN	28,341	522,385	229,930	780,656	7,163	488,097	145,165	640,425	2,468	21	2,489	783,145
KINGS	5,516	185,160	127,159	317,835	2,178	169,281	82,834	254,293	48	27	75	317,910
LAKE	477	2,369	3,473	6,319	368	815	66	1,249	9	18	27	6,346
LASSEN	154	2,570	570	3,294	99	905	46	1,050	17	0	17	3,311
LOS ANGELES	2,960	81,439	2,615	87,014	912	26,841	2,109	29,862	6,837	1,156	7,993	95,007
MADERA	16,383	50,237	56,552	123,172	2,147	36,631	10,302	49,080	40	1	41	123,213
MARIN	5	51	0	56	4	24	0	28	899	8	907	963
MARIPOSA	23	0	2	25	1	0	0	1	0	0	0	25
MENDOCINO	1,433	2,322	4,723	8,478	552	1,436	175	2,163	1,015	91	1,106	9,584
MERCED	5,663	128,523	55,964	190,150	1,986	53,857	6,511	62,354	282	8	290	190,440
MODOC	197	13,912	3,676	17,785	66	3,098	109	3,273	118	0	118	17,903
MONO	4	299	14	317	0	19	0	19	6	0	6	323
MONTEREY	16,253	179,271	68,546	264,070	7,920	84,369	3,624	95,913	1,142	31	1,173	265,243
NAPA	1,401	27,052	22,589	51,042	310	5,651	1,538	7,499	443	0	443	51,485
NEVADA	13	302	157	472	4	24	0	28	74	10	84	556
ORANGE	5,856	2,062	5,569	13,487	428	411	175	1,014	3,533	804	4,337	17,824
PLACER	243	1,904	6,375	8,522	153	61	15	229	992	172	1,164	9,686
PLUMAS	2	151	78	231	0	142	0	142	11	0	11	242
RIVERSIDE	8,285	49,753	45,910	103,948	1,665	12,324	12,686	26,675	9,188	248	9,436	113,384
SACRAMENTO	1,576	27,264	42,941	71,781	480	15,976	24,990	41,446	4,837	740	5,577	77,358
SAN BENITO	4,310	3,620	4,132	12,062	3,284	733	172	4,189	42	4	46	12,108
SAN BERNARDINO	2,764	49,222	420	52,406	476	37,173	98	37,747	11,533	276	11,809	64,215
SAN DIEGO	10,971	11,226	2,376	24,573	1,807	1,235	560	3,602	6,050	106	6,156	30,729
SAN FRANCISCO	306	57	769	1,132	15	2	214	231	74	22	96	1,228
SAN JOAQUIN	5,609	83,387	76,712	165,708	2,839	50,100	13,743	66,682	4,440	1,052	5,492	171,200
SAN LUIS OBISPO	3,003	11,887	8,273	23,163	344	2,900	426	3,670	261	8	269	23,432
SAN MATEO	1,671	757	89	2,517	374	6	1	381	658	76	734	3,251
SANTA BARBARA	11,516	63,681	38,796	113,993	776	54,214	2,747	57,737	756	49	805	114,798
SANTA CLARA	2,582	2,539	2,870	7,991	841	149	301	1,291	1,045	164	1,209	9,200
SANTA CRUZ	2,357	14,611	3,700	20,668	576	12,535	295	13,406	569	4	573	21,241
SHASTA	725	19,773	1,076	21,574	364	15,203	255	15,822	247	50	297	21,871
SIERRA	2	0	20	22	2	0	0	2	0	0	0	22
SISKIYOU	897	17,391	3,104	21,392	856	6,157	667	7,680	412	28	440	21,832
SOLANO	1,388	98,569	82,129	182,086	381	83,493	63,424	147,298	908	679	1,587	183,673
SONOMA	2,956	22,041	4,403	29,400	899	8,481	784	10,164	481	143	624	30,024
STANISLAUS	8,197	127,482	102,677	238,356	4,870	63,087	11,548	79,505	1,418	123	1,541	239,897
SUTTER	3,175	29,043	49,911	82,129	855	14,346	387	15,588	34	3	37	82,166
TEHAMA	656	12,986	10,609	24,251	303	5,685	5,238	11,226	139	0	139	24,390
TRINITY	7	77	53	137	5	54	51	110	23	6	29	166
TULARE	12,409	276,171	74,275	362,855	5,377	135,595	19,840	160,812	1,564	100	1,664	364,519
TUOLUMNE	0	3,623	48	3,671	0	437	1	438	1	0	1	3,672
VENTURA	9,897	16,026	34,613	60,536	2,389	2,543	3,443	8,375	1,655	281	1,936	62,472
YOLO	2,771	64,419	56,008	123,198	1,078	23,212	8,353	32,643	577	23	600	123,798
YUBA	1,251	11,641	10,067	22,959	242	6,474	47	6,763	120	2	122	23,081
** UNKNOWN **	11,921	170,330	271,206	453,457	228	82,960	17,399	100,587	30,430	1,445	31,875	485,332
TOTAL	243,695	3,179,339	1,915,309	5,338,343	67,706	1,960,914	500,807	2,529,427	101,449	10,909	112,358	5,450,701

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS, AGRICULTURAL MINERALS, AND COMPOST
JANUARY-DECEMBER 2022
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	1,149	307	449	1,904	916	286	408	1,609	233	21	41	295
ALPINE	5	0	0	5	5	0	0	5	0	0	0	0
AMADOR	44	35	28	107	38	12	10	60	7	23	18	47
BUTTE	14,954	4,286	14,758	33,998	4,190	2,382	13,756	20,328	10,764	1,904	1,002	13,670
CALAVERAS	64	44	15	124	47	10	9	67	17	34	6	57
COLUSA	15,612	2,664	3,423	21,700	5,692	909	1,434	8,034	9,920	1,756	1,990	13,666
CONTRA COSTA	2,746	584	1,008	4,337	691	200	589	1,480	2,055	384	419	2,858
DEL NORTE	31	13	1	45	18	0	1	19	13	13	0	26
EL DORADO	396	42	53	491	283	33	45	361	113	9	8	130
FRESNO	49,849	14,020	29,741	93,610	13,148	4,041	18,338	35,526	36,702	9,978	11,404	58,083
GLENN	8,699	1,467	8,964	19,130	2,147	1,029	8,378	11,553	6,553	438	586	7,577
HUMBOLDT	353	413	231	997	325	289	215	829	28	124	16	168
IMPERIAL	57,632	22,713	6,274	86,619	29,920	10,622	5,684	46,225	27,713	12,091	590	40,394
INYO	238	231	271	741	189	229	259	677	49	2	12	63
KERN	37,746	8,845	24,753	71,343	11,608	3,750	15,070	30,427	26,139	5,095	9,683	40,917
KINGS	16,931	4,707	5,976	27,613	2,891	1,173	2,708	6,772	14,039	3,534	3,268	20,841
LAKE	459	135	149	742	100	70	43	213	358	65	106	530
LASSEN	830	137	277	1,244	686	101	204	991	144	36	73	253
LOS ANGELES	23,193	2,398	2,322	27,914	22,799	2,253	2,003	27,055	395	145	319	859
MADERA	17,810	3,770	10,386	31,966	4,768	1,494	4,044	10,306	13,042	2,276	6,342	21,660
MARIN	488	205	220	913	483	205	217	905	5	0	3	8
MARIPOSA	5	0	0	5	4	0	0	4	1	0	0	1
MENDOCINO	1,734	884	1,053	3,671	899	767	690	2,355	835	117	363	1,316
MERCED	16,786	5,612	9,443	31,841	3,264	1,623	5,358	10,246	13,522	3,989	4,085	21,595
MODOC	2,745	923	1,235	4,903	1,662	870	1,203	3,736	1,083	53	32	1,167
MONO	80	24	37	140	76	22	37	134	4	2	0	6
MONTEREY	28,740	6,685	13,482	48,907	4,939	2,415	7,644	14,998	23,800	4,270	5,838	33,908
NAPA	1,136	476	1,047	2,659	630	270	400	1,300	506	206	647	1,359
NEVADA	143	43	19	206	85	32	16	133	59	11	3	73
ORANGE	7,725	2,607	1,546	11,877	6,218	1,970	944	9,132	1,507	637	602	2,745
PLACER	2,537	252	587	3,376	1,003	201	531	1,735	1,534	51	56	1,641
PLUMAS	37	1	4	42	12	1	4	17	25	0	0	25
RIVERSIDE	22,588	7,764	4,424	34,776	14,009	4,405	3,679	22,092	8,579	3,359	745	12,683
SACRAMENTO	13,910	2,394	3,714	20,018	4,535	795	1,874	7,204	9,375	1,599	1,840	12,814
SAN BENITO	2,429	430	395	3,254	1,119	218	259	1,596	1,310	212	136	1,657
SAN BERNARDINO	7,682	2,860	3,344	13,886	7,387	2,825	3,290	13,501	296	36	54	385
SAN DIEGO	7,152	1,309	2,790	11,251	6,554	1,230	2,640	10,424	598	79	150	827
SAN FRANCISCO	210	41	135	386	56	16	99	171	154	25	36	215
SAN JOAQUIN	31,379	5,917	19,157	56,453	10,703	2,460	12,047	25,210	20,676	3,457	7,110	31,243
SAN LUIS OBISPO	2,808	657	2,726	6,191	1,090	282	1,073	2,445	1,719	374	1,653	3,746
SAN MATEO	1,028	301	514	1,843	952	289	498	1,739	76	12	16	104
SANTA BARBARA	16,301	5,808	8,493	30,601	4,819	1,140	3,650	9,609	11,481	4,668	4,843	20,992
SANTA CLARA	3,121	1,287	1,686	6,094	1,995	954	1,369	4,318	1,126	333	317	1,776
SANTA CRUZ	2,800	951	1,586	5,337	1,303	737	1,215	3,255	1,496	215	371	2,082
SHASTA	1,335	440	1,047	2,822	1,163	385	923	2,471	172	56	124	351
SIERRA	6	0	3	9	0	0	0	0	6	0	3	9
SISKIYOU	2,225	995	1,519	4,739	1,618	847	1,514	3,979	607	148	5	760
SOLANO	19,298	5,083	4,649	29,030	7,593	2,265	2,630	12,488	11,705	2,818	2,019	16,542
SONOMA	3,178	719	2,040	5,936	2,411	423	778	3,611	767	296	1,262	2,325
STANISLAUS	30,226	6,066	19,576	55,868	5,328	2,227	14,474	22,029	24,898	3,840	5,102	33,840
SUTTER	15,621	2,246	4,470	22,337	3,954	1,288	2,242	7,484	11,667	958	2,228	14,852
TEHAMA	2,515	459	2,535	5,509	883	294	2,389	3,565	1,633	165	146	1,944
TRINITY	36	13	6	55	34	7	6	47	2	6	0	8
TULARE	29,983	6,884	26,905	63,772	9,592	2,143	21,927	33,662	20,391	4,740	4,979	30,110
TUOLUMNE	19	7	3	29	1	0	3	4	18	7	0	25
VENTURA	24,865	3,555	3,322	31,742	4,039	1,689	2,548	8,275	20,826	1,867	774	23,467
YOLO	18,228	3,180	6,777	28,185	3,463	596	3,794	7,854	14,765	2,584	2,983	20,331
YUBA	3,702	696	1,713	6,111	1,122	576	1,553	3,251	2,580	119	160	2,859
** UNKNOWN **	125,020	33,800	82,513	241,333	56,527	16,428	28,155	101,109	68,494	17,372	54,358	140,224
TOTAL	698,563	178,383	343,791	1,220,737	271,984	81,775	204,867	558,626	426,579	96,608	138,924	662,111