

FERTILIZING MATERIALS TONNAGE REPORT

JANUARY – JUNE 2017



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

SACRAMENTO, CALIFORNIA 95814



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

FOREWORD

This publication summarizes State and County tonnage sales/distributions of commercial fertilizers, specialty fertilizers, and agricultural minerals, 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, and/or agricultural minerals sold/distributed in California, as defined in the Food and Agricultural Code, Sections 14512, 14522 and 14563. 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	JAN-JUNE	JULY-DEC	JAN-JUNE	JULY-JUNE	JULY-JUNE
		2015	2016	2016	2017	2015-2016	2016-2017
0	IDENTIFIED BY GRADE	510,198	478,720	324,124	413,712	988,918	737,836
0	N-P-K GRADES	400,115	371,005	253,102	323,718	771,120	576,820
2	ANHYDROUS AMMONIA	6,888	5,310	6,126	6,021	12,198	12,147
6	AQUA AMMONIA	11,283	144,521	14,064	132,067	155,804	146,131
10	AMMONIUM NITRATE	30,006	2,065	2,660	442	32,071	3,102
12	AMMONIUM NITRATE SOLUTION	32,785	26,096	23,881	28,447	58,881	52,328
20	AMMONIUM POLYSULFIDE	659	286	1,637	1,312	945	2,949
24	AMMONIUM SULFATE	105,814	60,716	32,044	61,301	166,530	93,345
31	AMMONIUM THIOSULFATE	151,174	48,834	15,518	38,859	200,008	54,377
35	CALCIUM AMMONIUM NITRATE	39,913	114,506	56,284	130,503	154,419	186,787
43	CALCIUM NITRATE	9,451	15,932	8,946	19,729	25,383	28,675
58	NITROGEN SOLUTION 28%	1,505	1,791	9,413	2,158	3,296	11,571
60	NITROGEN SOLUTION 32%	179,344	312,531	147,387	308,561	491,875	455,948
62	SODIUM NITRATE	786	1,358	273	1,793	2,144	2,066
64	SULFUR COATED UREA	83	307	569	205	390	774
66	UREA	67,756	58,988	54,919	53,742	126,744	108,661
67	UREA SOLUTION	10,269	2,871	3,373	2,096	13,140	5,469
203	DIAMMONIUM PHOSPHATE	7,869	130	14	512	7,999	526
207	AMMONIUM PHOSPHATE SULFATE	8,134	13,539	3,157	11,942	21,673	15,099
209	MONOAMMONIUM PHOSPHATE	33,648	19,912	33,716	25,071	53,560	58,787
248	PHOSPHORIC ACID	8,849	6,369	6,223	8,047	15,218	14,270
249	LIQUID AMMONIUM POLYPHOSPHATE	25,342	32,239	17,488	34,370	57,581	51,858
263	SUPERPHOSPHATE, NORMAL	92	2,852	2,214	1,918	2,944	4,132
267	SUPERPHOSPHATE, TRIPLE	177	125	356	164	302	520
428	MURIATE OF POTASH	19,223	19,116	28,006	17,970	38,339	45,976
443	SULFATE OF POTASH, MAGNESIA	8,543	4,876	14,303	4,668	13,419	18,971
453	POTASSIUM NITRATE	13,934	7,400	1,741	10,852	21,334	12,593
463	POTASSIUM SULFATE	93,580	41,755	56,601	53,550	135,335	110,151
601	BLOOD MEAL	8	168	101	35	176	136
667	SEWAGE SLUDGE	75,927	35,534	44,851	87,800	111,461	132,651
723	COPPER - ALL MATERIALS	20,696	584	516	1,003	21,280	1,519
731	IRON - ALL MATERIALS	1,334	2,064	1,517	2,994	3,398	4,511
732	GYPHUM - ALL MATERIALS	1,206,761	624,561	966,480	528,080	1,831,322	1,494,560
770	SULFUR	148,207	71,256	101,418	64,323	219,463	165,741
774	SULFURIC ACID	527,480	96,204	56,403	61,516	623,684	117,919
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	372,816	169,816	177,383	330,069	542,632	507,452
907	LIMING MATERIALS - ALL MATERIALS	292,419	79,150	155,940	44,613	371,569	200,553
0	TOTAL	4,423,068	2,873,487	2,622,748	2,814,163	7,296,555	5,436,911

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

CODE	MATERIAL NAME	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC
		2015 N	2015 P2O5	2015 K2O	2016 N	2016 P2O5	2016 K2O
0	IDENTIFIED BY GRADE	224,434	52,459	68,801	130,794	52,498	69,810
2	ANHYDROUS AMMONIA	5,648	0	0	5,023	0	0
6	AQUA AMMONIA	2,257	0	0	2,813	0	0
10	AMMONIUM NITRATE	845	0	0	904	0	0
12	AMMONIUM NITRATE SOLUTION	3,557	0	0	4,776	0	0
20	AMMONIUM POLYSULFIDE	132	0	0	327	0	0
24	AMMONIUM SULFATE	7,102	0	0	6,729	0	0
31	AMMONIUM THIOSULFATE	1,974	0	0	1,862	0	0
35	CALCIUM AMMONIUM NITRATE	6,978	0	0	9,568	0	0
43	CALCIUM NITRATE	1,459	0	0	1,342	0	0
58	NITROGEN SOLUTION 28%	421	0	0	2,636	0	0
60	NITROGEN SOLUTION 32%	53,367	0	0	47,164	0	0
62	SODIUM NITRATE	128	0	0	44	0	0
64	SULFUR COATED UREA	30	0	0	205	0	0
66	UREA	23,904	0	0	25,263	0	0
67	UREA SOLUTION	2,054	0	0	675	0	0
203	DIAMMONIUM PHOSPHATE	1,416	3,620	0	3	6	0
207	AMMONIUM PHOSPHATE SULFATE	661	827	0	505	631	0
209	MONOAMMONIUM PHOSPHATE	3,703	17,506	0	3,709	17,532	0
248	PHOSPHORIC ACID	0	4,784	0	0	3,360	0
249	LIQUID AMMONIUM POLYPHOSPHATE	2,534	8,616	0	1,749	5,946	0
263	SUPERPHOSPHATE, NORMAL	0	20	0	0	487	0
267	SUPERPHOSPHATE, TRIPLE	0	81	0	0	164	0
428	MURIATE OF POTASH	0	0	11,534	0	0	16,804
443	SULFATE OF POTASH MAGNESIA	0	0	1,880	0	0	3,147
453	POTASSIUM NITRATE	687	0	2,159	244	0	766
463	POTASSIUM SULFATE	0	0	46,647	0	0	28,301
601	BLOOD MEAL	13	0	0	12	0	0
667	SEWAGE SLUDGE	4,556	1,519	759	2,691	897	449
723	COPPER - ALL MATERIALS	0	0	0	0	0	0
731	IRON - ALL MATERIALS	0	0	0	0	0	0
732	GYPSUM -ALL MATERIALS	0	0	0	0	0	0
770	SULFUR	0	0	0	0	0	0
774	SULFURIC ACID	0	0	0	0	0	0
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	0	0	0	0	0	0
907	LIMING MATERIALS - ALL MATERIALS	0	0	0	0	0	0
0	TOTAL	347,858	89,431	131,779	249,037	81,522	119,275

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CODE	MATERIAL NAME	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE
		2016 N	2016 P2O5	2016 K2O	2017 N	2017 P2O5	2017 K2O
0	IDENTIFIED BY GRADE	216,628	65,203	89,174	159,587	67,044	97,088
2	ANHYDROUS AMMONIA	4,354	0	0	4,937	0	0
6	AQUA AMMONIA	28,904	0	0	26,413	0	0
10	AMMONIUM NITRATE	702	0	0	150	0	0
12	AMMONIUM NITRATE SOLUTION	5,219	0	0	5,689	0	0
20	AMMONIUM POLYSULFIDE	57	0	0	262	0	0
24	AMMONIUM SULFATE	12,750	0	0	12,873	0	0
31	AMMONIUM THIOSULFATE	5,860	0	0	4,663	0	0
35	CALCIUM AMMONIUM NITRATE	19,466	0	0	22,186	0	0
43	CALCIUM NITRATE	2,390	0	0	2,959	0	0
58	NITROGEN SOLUTION 28%	501	0	0	604	0	0
60	NITROGEN SOLUTION 32%	100,010	0	0	98,740	0	0
62	SODIUM NITRATE	217	0	0	287	0	0
64	SULFUR COATED UREA	111	0	0	74	0	0
66	UREA	27,134	0	0	24,721	0	0
67	UREA SOLUTION	574	0	0	419	0	0
203	DIAMMONIUM PHOSPHATE	23	60	0	92	236	0
207	AMMONIUM PHOSPHATE SULFATE	2,166	2,708	0	1,911	2,388	0
209	MONOAMMONIUM PHOSPHATE	2,190	10,354	0	2,758	13,037	0
248	PHOSPHORIC ACID	0	3,439	0	0	4,345	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,224	10,961	0	3,437	11,686	0
263	SUPERPHOSPHATE, NORMAL	0	627	0	0	422	0
267	SUPERPHOSPHATE, TRIPLE	0	58	0	0	75	0
428	MURIATE OF POTASH	0	0	11,470	0	0	10,782
443	SULFATE OF POTASH MAGNESIA	0	0	1,073	0	0	1,027
453	POTASSIUM NITRATE	1,036	0	3,256	1,519	0	4,775
463	POTASSIUM SULFATE	0	0	20,878	0	0	26,775
601	BLOOD MEAL	20	0	0	4	0	0
667	SEWAGE SLUDGE	2,132	711	355	5,268	1,756	878
723	COPPER - ALL MATERIALS	0	0	0	0	0	0
731	IRON - ALL MATERIALS	0	0	0	0	0	0
732	GYPHOSUM -ALL MATERIALS	0	0	0	0	0	0
770	SULFUR	0	0	0	0	0	0
774	SULFURIC ACID	0	0	0	0	0	0
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	0	0	0	0	0	0
907	LIMING MATERIALS - ALL MATERIALS	0	0	0	0	0	0
0	TOTAL	435,671	94,121	126,205	379,555	100,989	141,325

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CODE	MATERIAL NAME	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE	JULY-JUNE
		15-16 N	15-16 P2O5	15-16 K2O	16-17 N	16-17 P2O5	16-17 K2O
0	IDENTIFIED BY GRADE	441,062	117,662	157,975	290,381	119,542	166,898
2	ANHYDROUS AMMONIA	10,002	0	0	9,961	0	0
6	AQUA AMMONIA	31,161	0	0	29,226	0	0
10	AMMONIUM NITRATE	1,547	0	0	1,055	0	0
12	AMMONIUM NITRATE SOLUTION	8,776	0	0	10,466	0	0
20	AMMONIUM POLYSULFIDE	189	0	0	590	0	0
24	AMMONIUM SULFATE	19,852	0	0	19,602	0	0
31	AMMONIUM THIOSULFATE	7,834	0	0	6,525	0	0
35	CALCIUM AMMONIUM NITRATE	26,444	0	0	31,754	0	0
43	CALCIUM NITRATE	3,849	0	0	4,301	0	0
58	NITROGEN SOLUTION 28%	923	0	0	3,240	0	0
60	NITROGEN SOLUTION 32%	153,377	0	0	145,903	0	0
62	SODIUM NITRATE	345	0	0	331	0	0
64	SULFUR COATED UREA	140	0	0	279	0	0
66	UREA	51,038	0	0	49,984	0	0
67	UREA SOLUTION	2,628	0	0	1,094	0	0
203	DIAMMONIUM PHOSPHATE	1,440	3,680	0	95	242	0
207	AMMONIUM PHOSPHATE SULFATE	2,828	3,534	0	2,416	3,020	0
209	MONOAMMONIUM PHOSPHATE	5,893	27,860	0	6,467	30,569	0
248	PHOSPHORIC ACID	0	8,223	0	0	7,706	0
249	LIQUID AMMONIUM POLYPHOSPHATE	5,758	19,578	0	5,186	17,632	0
263	SUPERPHOSPHATE, NORMAL	0	648	0	0	909	0
267	SUPERPHOSPHATE, TRIPLE	0	139	0	0	239	0
428	MURIATE OF POTASH	0	0	23,003	0	0	27,586
443	SULFATE OF POTASH MAGNESIA	0	0	2,952	0	0	4,174
453	POTASSIUM NITRATE	1,723	0	5,415	1,763	0	5,541
463	POTASSIUM SULFATE	0	0	67,525	0	0	55,076
601	BLOOD MEAL	33	0	0	16	0	0
667	SEWAGE SLUDGE	6,688	2,229	1,115	7,959	2,653	1,327
723	COPPER - ALL MATERIALS	0	0	0	0	0	0
731	IRON - ALL MATERIALS	0	0	0	0	0	0
732	GYPSUM -ALL MATERIALS	0	0	0	0	0	0
770	SULFUR	0	0	0	0	0	0
774	SULFURIC ACID	0	0	0	0	0	0
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	0	0	0	0	0	0
907	LIMING MATERIALS - ALL MATERIALS	0	0	0	0	0	0
0	TOTAL	783,529	183,552	257,985	628,592	182,512	260,600

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
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 JANUARY-JUNE 2017
 TONS OF NITROGEN MATERIALS - FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA SOLUTION	UREA	NITROGEN MATERIALS - ALL OTHER	
ALAMEDA	0	9	0	0	0	0	45	40	0	0	15	2	335	0	0	46	0	412
ALPINE	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	2	0	0
AMADOR	0	0	0	0	0	0	4	6	0	5	0	0	0	0	0	3	0	16
BUTTE	0	28,054	0	54	0	0	12,776	976	0	538	159	0	11,277	0	2	1,496	1	1,563
CALAVERAS	0	0	0	0	0	0	0	14	0	20	0	0	1	0	0	0	0	2
COLUSA	475	39,164	0	0	0	0	2,369	461	0	9,830	186	362	15,403	0	0	1,686	53	1,820
CONTRA COSTA	0	126	0	4	34	40	266	1	900	40	0	2,270	0	0	185	0	418	
DEL NORTE	1,073	0	0	0	26	0	0	0	0	51	0	2,116	0	0	176	0	4	
EL DORADO	0	15	0	0	0	15	0	0	0	4	0	0	0	0	5	0	23	
FRESNO	392	917	109	948	616	1,819	11,896	1	21,407	1,233	67	48,581	176	0	3,197	59	20,027	
GLENN	2	20,759	0	0	0	4,340	68	0	1,007	28	51	6,083	0	0	179	0	1,938	
HUMBOLDT	0	0	0	0	0	6	0	1	0	139	0	0	0	0	0	0	307	
IMPERIAL	65	0	0	3,441	0	3,604	6	0	2,725	17	624	18,242	81	0	16,206	0	3,029	
INYO	0	0	0	0	0	3	0	0	17	7	0	94	0	0	4	0	2,100	
KERN	563	19	0	105	0	841	8,309	0	14,896	538	11	46,044	957	0	1,341	33	20,710	
KINGS	449	2	0	0	0	74	1,408	0	2,624	1,410	241	18,318	0	0	1,604	7	2,204	
LAKE	0	0	0	0	0	57	0	0	183	2	0	1,266	0	0	73	0	74	
LASSEN	0	0	0	274	0	63	0	0	0	33	0	30	0	0	848	0	9	
LOS ANGELES	1	0	0	175	0	1,245	27	0	39	5,943	0	138	0	0	608	48	3,957	
MADERA	16	19	190	531	0	180	1,174	0	7,194	93	15	17,070	0	0	377	408	4,187	
MARIN	0	0	0	0	0	7	3	0	0	0	0	7	0	0	0	0	29	
MARIPOSA	0	0	0	0	0	11	22	0	0	0	0	3	0	0	0	0	3	
MENDOCINO	0	0	0	0	0	2	0	0	60	94	0	24	0	0	6	0	410	
MERCED	49	2	3	741	0	895	2,824	0	9,254	534	0	12,977	0	0	1,128	9	8,714	
MODOC	0	0	0	201	45	871	129	0	12	8	0	255	0	78	1,907	0	808	
MONO	0	0	0	0	0	703	0	0	0	0	0	3	0	0	142	0	1,506	
MONTEREY	0	0	11	13,252	497	2,111	1,919	4	8,481	691	9	4,930	214	0	779	365	19,396	
NAPA	0	0	0	0	0	1	0	0	62	107	0	29	0	0	10	0	464	
NEVADA	0	0	0	0	0	1	0	0	0	0	0	3,205	0	0	0	0	97	
ORANGE	0	0	0	0	0	153	57	0	373	174	0	80	28	0	401	0	2,639	
PLACER	0	1,085	0	50	0	46	12	0	16	48	0	99	1	0	45	0	854	
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
RIVERSIDE	181	0	0	2,369	0	948	247	2	4,315	448	0	6,164	25	0	657	4	5,014	
SACRAMENTO	438	1,705	0	0	0	87	15	0	522	1,075	0	2,684	1	0	1,084	0	1,424	
SAN BENITO	0	0	0	0	0	26	9	0	613	2	0	51	0	0	40	0	975	
SAN BERNARDINO	0	0	0	0	0	107	38	0	10	248	0	124	0	0	282	3	1,069	
SAN DIEGO	13	0	84	96	0	125	14	0	339	930	104	138	0	0	302	0	5,074	
SAN FRANCISCO	0	326	0	0	0	3	0	0	0	1	0	8	0	0	1	0	1	
SAN JOAQUIN	54	47	22	28	0	2,482	1,617	0	10,213	1,102	0	16,141	16	0	2,914	25	6,512	
SAN LUIS OBISPO	0	0	0	812	0	137	67	0	495	102	3	642	0	6	33	83	817	
SAN MATEO	0	86	11	0	0	35	7	0	0	323	0	17	0	0	93	0	602	
SANTA BARBARA	0	0	0	2,580	0	353	281	0	980	1,293	1	4,332	17	0	189	988	4,284	
SANTA CLARA	5	0	0	0	0	84	4	0	95	52	0	233	0	0	75	0	1,189	
SANTA CRUZ	0	0	5	0	0	13	0	11	0	53	0	8	0	0	82	0	996	
SHASTA	369	96	0	190	0	624	9	0	9	32	0	70	0	0	2,437	0	132	
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SISKIYOU	19	0	1	0	67	1,094	245	0	303	0	0	407	0	117	2,787	0	1,396	
SOLANO	486	79	0	0	0	2,197	1	0	379	10	0	2,368	135	0	2,695	0	99	
SONOMA	0	0	6	158	0	44	4	9	65	369	0	26	0	0	138	0	745	
STANISLAUS	416	0	0	857	27	6,454	1,717	0	19,746	264	57	28,139	0	0	2,128	1	5,068	
SUTTER	0	22,035	0	87	0	5,044	535	0	1,622	554	322	6,310	14	0	1,300	0	753	
TEHAMA	0	59	0	0	0	4,036	8	0	358	137	0	1,923	0	0	78	0	180	
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
TULARE	778	0	0	0	0	2,366	3,053	1	4,694	629	22	16,271	71	0	1,778	6	16,046	
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VENTURA	2	0	0	1,073	0	27	121	5	2,020	494	0	200	28	2	255	3	4,262	
YOLO	174	11,259	0	0	0	1,942	1,092	0	3,559	27	0	11,206	0	0	1,265	0	3,812	
YUBA	1	6,204	0	386	0	513	153	0	462	30	267	1,695	29	0	668	0	229	
** UNKNOWN **	0	0	0	35	0	266	5	0	61	0	0	524	0	0	7	0	814	
TOTAL	6,021	132,067	442	28,447	1,312	61,301	38,859	35	130,503	19,729	2,158	308,561	1,793	205	53,742	2,096	159,218	

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
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 JANUARY-JUNE 2017
 TONS OF PHOSPHORUS AND POTASSIUM MATERIALS - FARM USE

COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHORUS MATERIALS - ALL OTHER	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER
ALAMEDA	0	10	0	0	0	0	19	38	0	0	0	0	81
ALPINE	0	0	3	0	0	0	0	0	6	0	0	0	0
AMADOR	0	0	0	0	0	0	0	15	0	0	0	0	47
BUTTE	0	1,036	2,025	0	2,509	0	0	1,344	3,388	73	292	8,682	1,605
CALAVERAS	0	0	0	0	0	0	0	5	0	0	0	0	16
COLUSA	455	2,543	844	0	4,399	0	0	1,627	0	324	204	757	2,446
CONTRA COSTA	0	22	10	0	290	0	1	128	35	0	4	27	259
DEL NORTE	14	0	0	47	64	0	0	0	50	30	4	8	0
EL DORADO	0	1	0	0	0	0	3	21	0	0	0	6	18
FRESNO	22	25	1,535	265	1,559	0	21	9,156	275	1,292	1,471	4,115	16,723
GLENN	0	1,097	1,737	0	20	0	0	1,529	2,136	0	127	2,546	2,572
HUMBOLDT	0	7	0	0	0	0	0	16	0	0	0	0	46
IMPERIAL	0	7	2,180	1,610	1,187	0	0	3,321	436	68	65	522	775
INYO	0	0	25	0	0	0	0	4,606	1	1	7	5	623
KERN	0	329	1,193	841	6,828	0	0	8,331	1,646	1,174	720	8,080	20,138
KINGS	0	0	136	2,043	1,116	0	0	729	387	0	50	3,421	1,962
LAKE	0	75	1	0	101	0	0	5	0	0	1	48	6
LASSEN	0	45	318	0	0	0	0	0	179	0	0	42	0
LOS ANGELES	0	1	20	2	0	0	3	2,041	1	10	2,303	1,678	509
MADERA	0	0	104	128	487	0	0	971	144	0	112	507	4,452
MARIN	0	0	0	0	0	0	0	2	0	0	0	0	9
MARIPOSA	0	0	0	0	0	0	0	5	0	0	0	0	172
MENDOCINO	0	2	0	0	8	0	0	45	1	12	1	76	71
MERCED	21	9	882	18	599	0	0	2,172	297	207	184	1,753	4,835
MODOC	0	1,012	512	0	105	0	0	0	105	0	0	543	52
MONO	0	0	229	0	316	0	0	320	40	0	0	0	0
MONTEREY	0	126	593	1,096	310	0	0	6,226	528	1	215	1,341	4,963
NAPA	0	4	21	0	6	0	9	333	0	3	5	73	524
NEVADA	0	0	2	0	267	0	0	30	0	0	0	0	5,420
ORANGE	0	15	34	0	0	0	20	513	0	7	99	112	490
PLACER	0	60	113	0	0	0	0	27	42	0	0	1	18
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	1	1
RIVERSIDE	0	5	2,217	782	2,797	0	6	506	741	84	324	485	599
SACRAMENTO	0	243	195	0	3	0	0	585	53	0	138	86	1,500
SAN BENITO	0	0	0	0	0	0	0	361	0	0	0	10	266
SAN BERNARDII	0	9	5	2	138	0	8	31	0	0	6	1	27
SAN DIEGO	0	10	90	132	5	0	30	373	8	357	109	1,890	136
SAN FRANCISCO	0	97	0	0	0	0	0	1	0	0	0	1	1
SAN JOAQUIN	0	8	121	27	2,486	0	4	5,857	355	99	182	1,627	6,223
SAN LUIS OBISPO	0	58	10	0	90	0	0	326	70	0	183	239	1,001
SAN MATEO	0	26	212	0	0	0	0	124	26	7	26	167	141
SANTA BARBARA	0	0	144	11	44	0	0	3,081	632	0	272	570	2,339
SANTA CLARA	0	4	2	0	0	0	15	297	0	8	11	42	289
SANTA CRUZ	0	0	0	0	5	0	0	418	0	0	172	140	215
SHASTA	0	411	359	0	4	0	0	18	690	0	0	74	13
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	431	644	47	81	56	0	423	1,480	315	1	498	75
SOLANO	0	1,314	2,740	0	2,976	1,862	5	123	49	5	59	17	115
SONOMA	0	10	32	0	134	0	3	341	0	0	186	189	207
STANISLAUS	0	90	2,351	47	1,383	0	1	3,124	2,343	245	520	5,865	6,499
SUTTER	0	1,253	911	0	834	0	2	791	164	11	665	2,341	476
TEHAMA	0	10	1,816	0	95	0	0	107	19	0	83	2,104	246
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0
TULARE	0	0	214	707	474	0	0	3,095	937	315	1,747	1,446	3,833
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	0	221	53	217	14	0	10	1,440	167	17	179	768	796
YOLO	0	571	284	25	2,272	0	4	1,165	0	0	22	252	2,078
YUBA	0	745	154	0	364	0	0	141	539	3	92	393	109
** UNKNOWN **	0	0	0	0	0	0	0	760	0	0	11	1	1,071
TOTAL	512	11,942	25,071	8,047	34,370	1,918	164	67,044	17,970	4,668	10,852	53,550	97,088

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 TONS OF AGRICULTURAL MINERALS - FARM USE

COUNTY	COPPER	IRON	GYPNUM	LIME	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	OTHER SECONDARY/MICROS	
ALAMEDA	0	16	174	16	0	504	0	209	
ALPINE	0	0	0	0	0	0	0	1	
AMADOR	0	0	2	0	0	32	0	12	
BUTTE	29	58	1,377	362	0	361	19	13,592	
CALAVERAS	0	0	6	0	0	27	0	16,199	
COLUSA	81	2	6,768	94	0	1,056	738	15,999	
CONTRA COSTA	0	12	71	0	0	432	0	27,335	
DEL NORTE	0	0	0	5	0	241	0	57,644	
EL DORADO	0	1	11	623	0	18	0	164	
FRESNO	132	416	113,469	2,768	13,460	7,927	12,698	66,620	
GLENN	13	0	1,734	1,327	0	504	25	1,332	
HUMBOLDT	0	0	2	21	0	128	0	520	
IMPERIAL	0	21	730	11,105	0	981	29	2,065	
INYO	0	3	0	8	0	0	1	7	
KERN	315	164	155,315	4,222	47,499	6,532	9,495	19,324	
KINGS	12	8	108,196	39	0	1,078	26,763	3,016	
LAKE	0	1	85	25	0	6,548	0	2,853	
LASSEN	0	0	55	50	0	95	0	6,572	
LOS ANGELES	1	786	305	44	74	27	194	6,124	
MADERA	13	21	4,183	0	890	785	2,835	18,260	
MARIN	0	2	0	0	0	0	0	33	
MARIPOSA	0	0	0	18	166	0	0	4,736	
MENDOCINO	0	5	40	0	0	7,010	0	1,067	
MERCED	90	12	22,631	1,278	35	5,000	529	5,397	
MODOC	1	1	237	50	0	930	22	2,436	
MONO	0	1	0	0	0	7	1	4	
MONTEREY	6	23	307	4,558	0	129	72	2,308	
NAPA	0	0	1,294	979	0	0	0	1,374	
NEVADA	0	2	3	2	0	0	0	11	
ORANGE	2	145	252	14	0	124	0	613	
PLACER	0	1	115	0	0	25	0	125	
PLUMAS	0	0	0	0	0	0	0	0	
RIVERSIDE	1	170	872	26	542	70	281	1,913	
SACRAMENTO	1	49	542	196	2,954	445	0	8,250	
SAN BENITO	1	0	752	109	0	3	18	166	
SAN BERNARDINO	0	146	2,761	7	2,491	8	0	442	
SAN DIEGO	4	132	1,503	111	192	2	0	709	
SAN FRANCISCO	0	0	0	1	0	0	0	9	
SAN JOAQUIN	1	27	8,390	1,911	87	5,639	186	5,143	
SAN LUIS OBISPO	0	14	355	1	0	14	1	367	
SAN MATEO	9	258	118	80	0	23	0	123	
SANTA BARBARA	2	37	3,088	2,335	0	762	37	901	
SANTA CLARA	0	8	168	22	0	15	4	408	
SANTA CRUZ	2	4	373	1,036	0	32	11	415	
SHASTA	16	2	82	4,735	0	135	44	677	
SIERRA	0	0	0	0	0	0	0	0	
SISKIYOU	1	2	363	191	0	1,687	23	2,635	
SOLANO	0	0	492	705	16,638	28	0	93	
SONOMA	3	59	2,934	2,211	0	28	0	319	
STANISLAUS	8	119	21,472	1,945	0	8,721	706	4,448	
SUTTER	2	0	2,573	2	0	333	0	842	
TEHAMA	1	58	1,674	442	0	587	0	1,139	
TRINITY	0	0	0	5	0	0	0	0	
TULARE	75	98	56,190	540	2,435	4,216	6,531	11,795	
TUOLUMNE	0	0	0	102	0	0	0	0	
VENTURA	5	108	945	3	337	155	142	1,375	
YOLO	0	1	4,125	7	0	916	111	10,937	
YUBA	1	1	392	0	0	3	0	740	
** UNKNOWN **	175	0	323	0	0	0	0	271	
TOTAL	1,003	2,994	527,890	44,331	87,800	64,323	61,516	330,069	

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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	NONFARM USE DRY PACKAGED	NONFARM USE DRY BULK	NONFARM USE LIQUID	NONFARM USE TOTAL	TOTAL ALL
ALAMEDA	1,288	93	590	1,971	760	57	102	919	5,097	31	1,111	6,239	8,210
ALPINE	0	24	0	24	0	1	0	1	0	0	0	0	24
AMADOR	21	66	55	142	17	8	21	46	164	0	1	165	307
BUTTE	3,284	42,178	48,186	93,648	914	13,654	1,230	15,798	1,883	1	438	2,322	95,970
CALAVERAS	7	16,193	90	16,290	7	16,187	38	16,232	1,271	3	51	1,325	17,615
COLUSA	5,073	29,762	75,261	110,096	2,871	17,917	3,950	24,738	73	0	2	75	110,171
CONTRA COSTA	600	27,665	4,829	33,094	203	27,138	509	27,850	3,735	1,271	394	5,400	38,494
DEL NORTE	59	61,358	136	61,553	4	57,886	0	57,890	162	0	16	178	61,731
EL DORADO	103	782	43	928	36	759	22	817	616	0	72	688	1,616
FRESNO	13,784	197,701	153,909	365,394	4,395	180,161	32,934	217,490	4,702	1,148	152	6,002	371,396
GLENN	391	20,171	30,592	51,154	108	4,416	411	4,935	59	399	0	458	51,612
HUMBOLDT	718	453	147	1,318	212	436	23	671	6,629	497	1,831	8,957	10,275
IMPERIAL	1,886	32,251	39,005	73,142	1,133	10,348	3,450	14,931	419	2	0	421	73,563
INYO	146	4,600	2,766	7,512	17	0	2	19	34	0	0	34	7,546
KERN	13,920	232,794	139,799	386,513	8,472	212,677	21,717	242,866	3,349	1,093	51	4,493	391,006
KINGS	978	115,475	60,844	177,297	508	109,110	29,494	139,112	386	75	96	557	177,854
LAKE	6,712	3,077	1,615	11,404	6,559	2,902	51	9,512	190	0	7	197	11,601
LASSEN	47	8,365	201	8,613	5	6,596	171	6,772	116	95	0	211	8,824
LOS ANGELES	21,451	3,885	968	26,304	4,876	2,428	251	7,555	17,772	44,405	2,469	64,646	90,950
MADERA	969	13,287	51,090	65,346	420	11,734	14,833	26,987	298	42	11	351	65,697
MARIN	39	13	40	92	2	12	21	35	825	8,728	110	9,663	9,755
MARIPOSA	18	5,086	32	5,136	18	4,902	0	4,920	13	0	0	13	5,149
MENOCINO	7,351	1,386	197	8,934	7,063	1,039	20	8,122	4,943	429	379	5,751	14,685
MERCED	2,815	32,388	47,876	83,079	1,056	25,043	8,873	34,972	665	0	14	679	83,758
MODOC	24	9,869	427	10,320	24	3,427	226	3,677	2	24	0	26	10,346
MONO	7	1,125	2,140	3,272	1	11	1	13	27	0	0	27	3,299
MONTEREY	3,765	19,100	52,590	75,455	761	5,547	1,095	7,403	1,155	37	46	1,238	76,693
NAPA	653	3,442	1,203	5,298	254	2,665	728	3,647	238	45	6	289	5,587
NEVADA	119	5,432	3,489	9,040	11	0	7	18	841	290	75	1,206	10,246
ORANGE	3,530	1,090	1,725	6,345	625	186	339	1,150	9,204	2,225	177	11,606	17,951
PLACER	130	1,320	1,333	2,783	54	206	6	266	4,978	20	404	5,402	8,185
PLUMAS	4	0	0	4	0	0	0	0	42	0	0	42	46
RIVERSIDE	5,744	8,407	18,644	32,795	747	1,718	1,410	3,875	9,979	14,320	307	24,606	57,401
SACRAMENTO	2,025	14,273	8,049	24,347	676	11,388	445	12,509	7,012	205	1,966	9,183	33,530
SAN BENITO	693	1,293	1,416	3,402	520	452	77	1,049	99	0	6	105	3,507
SAN BERNARDINO	1,997	5,575	391	7,963	351	5,432	72	5,855	22,770	9,024	1,018	32,812	40,775
SAN DIEGO	11,097	796	1,119	13,012	1,885	697	71	2,653	11,458	2,756	96	14,310	27,322
SAN FRANCISCO	15	98	337	450	7	0	3	10	223	0	93	316	766
SAN JOAQUIN	3,594	22,450	53,502	79,546	1,224	12,353	7,807	21,384	10,675	265	84	11,024	90,570
SAN LUIS OBISPO	936	932	4,078	5,946	68	394	310	772	795	30	88	913	6,859
SAN MATEO	2,144	195	175	2,514	524	61	26	611	2,397	610	43	3,050	5,564
SANTA BARBARA	2,373	10,225	16,955	29,553	313	6,234	615	7,162	922	22	106	1,050	30,603
SANTA CLARA	1,636	825	569	3,030	435	101	89	625	6,067	95	182	6,344	9,374
SANTA CRUZ	3,107	1,980	537	5,624	321	1,389	163	1,873	4,660	20	193	4,873	10,497
SHASTA	286	10,196	746	11,228	58	5,474	159	5,691	901	413	147	1,461	12,689
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	43	14,430	916	15,389	38	4,841	23	4,902	208	1,525	5	1,738	17,127
SOLANO	610	10,358	24,702	35,670	354	1,132	16,470	17,956	5,501	146	5	5,652	41,322
SONOMA	2,417	4,975	831	8,223	458	4,866	230	5,554	3,456	7,595	1,349	12,400	20,623
STANISLAUS	5,076	46,312	73,372	124,760	2,439	24,484	10,495	37,418	2,881	169	69	3,119	127,879
SUTTER	1,495	13,062	35,219	49,776	217	2,816	719	3,752	623	122	25	770	50,546
TEHAMA	367	11,986	2,807	15,160	24	3,790	87	3,901	2,111	12	8	2,131	17,291
TRINITY	181	3	0	184	5	0	0	5	237	1	4	242	426
TULARE	6,831	71,213	62,319	140,363	3,101	62,609	16,170	81,880	5,039	563	276	5,878	146,241
TUOLUMNE	102	0	0	102	102	0	0	102	224	0	1	225	327
VENTURA	4,902	2,184	8,358	15,444	1,282	685	1,103	3,070	2,355	2	82	2,439	17,883
YOLO	1,472	20,223	35,411	57,106	1,129	14,124	844	16,097	2,172	302	35	2,509	59,615
YUBA	363	4,104	9,847	14,314	117	999	21	1,137	317	0	22	339	14,653
** UNKNOWN **	299	2,000	2,032	4,331	1	499	269	769	6,976	113,280	1,953	122,209	126,540
TOTAL	149,697	1,168,567	1,083,510	2,401,774	57,782	884,032	178,203	1,120,017	179,946	212,296	16,076	408,318	2,810,992

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TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NONFARM

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	561	49	81	691	428	37	9	474	132	12	72	216
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	20	15	47	82	17	12	28	57	3	3	19	25
BUTTE	15,078	3,457	8,123	26,659	4,588	2,252	6,708	13,548	10,490	1,205	1,416	13,111
CALAVERAS	7	5	16	28	0	3	3	6	7	2	13	22
COLUSA	19,161	4,279	2,986	26,426	3,550	1,781	821	6,151	15,611	2,499	2,165	20,274
CONTRA COSTA	1,864	237	295	2,396	792	38	64	894	1,072	199	231	1,502
DEL NORTE	1,664	54	42	1,760	1,653	7	42	1,702	12	47	0	58
EL DORADO	32	23	21	76	28	21	19	68	4	2	2	8
FRESNO	44,937	10,921	20,012	75,870	9,410	4,592	5,599	19,600	35,527	6,330	14,413	56,270
GLENN	9,616	2,658	5,182	17,457	2,279	2,233	4,456	8,969	7,337	426	726	8,488
HUMBOLDT	330	17	46	394	330	17	46	394	0	0	0	0
IMPERIAL	18,842	5,729	1,341	25,913	9,119	2,249	876	12,243	9,724	3,480	465	13,669
INYO	2,140	4,619	629	7,389	48	4,614	26	4,689	2,092	5	603	2,700
KERN	44,314	12,743	26,216	83,273	5,954	2,845	11,744	20,543	38,361	9,898	14,471	62,730
KINGS	10,217	2,282	3,927	16,426	1,377	215	2,190	3,781	8,840	2,068	1,737	12,645
LAKE	578	55	30	664	118	21	30	169	460	34	0	495
LASSEN	524	174	128	827	514	174	128	817	10	0	0	10
LOS ANGELES	5,818	2,056	2,365	10,239	5,522	1,966	2,305	9,793	297	89	60	446
MADERA	11,641	1,278	4,850	17,769	561	134	678	1,373	11,080	1,144	4,172	16,395
MARIN	33	2	9	44	30	2	0	32	3	0	9	12
MARIPOSA	19	8	174	201	13	3	174	190	6	5	0	11
MENDOCINO	446	48	113	607	412	32	97	541	35	16	16	66
MERCED	15,948	2,856	6,017	24,821	2,750	1,024	2,416	6,190	13,198	1,833	3,601	18,631
MODOC	2,274	504	387	3,165	2,236	477	387	3,100	38	28	0	66
MONO	1,777	547	24	2,347	244	119	24	387	1,533	427	0	1,960
MONTEREY	26,561	7,257	6,045	39,863	7,917	1,796	2,381	12,095	18,644	5,460	3,664	27,768
NAPA	509	351	563	1,423	423	260	346	1,029	86	91	217	394
NEVADA	1,150	122	5,420	6,692	91	28	5,419	5,538	1,058	94	1	1,153
ORANGE	3,002	543	591	4,136	2,659	277	226	3,162	343	266	365	974
PLACER	1,177	98	44	1,318	904	79	36	1,019	273	18	8	299
PLUMAS	2	0	2	4	2	0	2	4	0	0	0	0
RIVERSIDE	9,548	3,047	1,453	14,047	5,595	1,527	942	8,065	3,952	1,520	510	5,982
SACRAMENTO	4,009	795	1,665	6,469	1,855	365	362	2,582	2,154	430	1,303	3,887
SAN BENITO	1,121	361	271	1,753	617	206	135	958	504	155	136	795
SAN BERNARDINO	1,471	137	55	1,663	1,360	128	54	1,542	111	9	1	121
SAN DIEGO	5,608	512	1,214	7,335	5,292	403	1,199	6,895	316	109	15	440
SAN FRANCISCO	86	20	2	107	18	20	2	40	68	0	0	68
SAN JOAQUIN	16,003	6,785	7,352	30,140	3,789	841	2,251	6,880	12,214	5,944	5,102	23,259
SAN LUIS OBISPO	1,401	373	1,243	3,017	561	72	277	909	840	302	966	2,108
SAN MATEO	759	239	253	1,251	709	238	241	1,189	49	1	12	62
SANTA BARBARA	7,001	3,177	3,123	13,300	2,150	793	1,579	4,522	4,850	2,384	1,544	8,778
SANTA CLARA	1,347	306	317	1,969	1,115	302	317	1,733	232	4	0	236
SANTA CRUZ	1,075	420	361	1,855	893	283	314	1,489	182	137	47	366
SHASTA	1,879	288	464	2,632	1,525	287	464	2,275	355	2	0	356
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0
SISKIYOU	3,338	909	1,282	5,529	3,147	806	1,271	5,224	192	103	10	306
SOLANO	4,876	3,567	346	8,789	2,334	1,812	133	4,279	2,542	1,755	214	4,510
SONOMA	972	407	383	1,762	847	284	306	1,438	125	123	77	324
STANISLAUS	21,027	4,861	11,120	37,008	4,184	1,808	6,508	12,501	16,843	3,052	4,612	24,507
SUTTER	9,846	1,800	2,040	13,686	2,712	984	958	4,654	7,135	816	1,082	9,032
TEHAMA	1,995	1,086	1,346	4,427	1,195	968	1,256	3,419	800	117	90	1,008
TRINITY	3	0	0	3	3	0	0	3	0	0	0	0
TULARE	24,945	3,798	5,981	34,723	3,603	974	2,497	7,074	21,342	2,824	3,483	27,649
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	5,192	1,645	1,366	8,203	2,835	373	648	3,856	2,357	1,272	718	4,347
YOLO	11,875	2,215	2,214	16,304	2,882	424	291	3,596	8,993	1,791	1,923	12,707
YUBA	2,871	494	670	4,035	667	354	563	1,584	2,205	140	107	2,451
** UNKNOWN **	1,060	760	1,076	2,897	561	682	332	1,576	499	78	744	1,321
TOTAL	379,555	100,989	141,325	621,869	114,421	42,244	70,184	226,849	265,134	58,746	71,141	395,020

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 JULY 2016 - JUNE 2017
 TONS OF NITROGEN MATERIALS - FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLYSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER
ALAMEDA	0	9	0	0	0	109	43	0	0	15	10	391	0	479	60	0	844
ALPINE	0	0	0	0	0	12	0	0	0	0	0	0	0	0	2	0	0
AMADOR	0	0	0	0	0	10	6	0	8	0	0	4	0	0	5	0	25
BUTTE	0	28,084	0	72	0	16,110	992	0	698	172	0	14,484	0	2	1,639	1	3,638
CALAVERAS	0	0	0	0	0	27	15	0	25	0	0	1	0	0	0	0	5
COLUSA	625	42,732	0	0	0	8,436	470	0	10,477	200	362	18,795	0	0	2,755	53	2,476
CONTRA COSTA	0	126	0	4	1,132	131	452	1	1,671	54	54	2,821	0	0	243	0	788
DEL NORTE	1,073	27	0	0	26	0	0	0	0	53	0	2,116	0	0	176	0	4
EL DORADO	0	15	0	0	0	19	0	0	3	21	0	0	0	0	10	0	68
FRESNO	699	1,549	109	1,358	750	3,164	15,475	1	33,608	2,831	1,086	75,997	176	0	4,174	113	33,650
GLENN	2	21,495	0	0	0	6,003	70	0	1,129	33	52	7,591	0	0	263	0	2,861
HUMBOLDT	0	0	0	0	0	10	0	1	0	221	0	0	0	0	0	0	544
IMPERIAL	694	1,596	0	7,359	0	4,858	9	0	4,507	513	1,028	41,129	82	0	37,973	153	8,744
INYO	0	0	0	0	0	35	0	0	36	8	0	98	0	0	43	0	2,154
KERN	1,341	158	0	245	24	1,468	10,808	0	19,272	1,010	97	63,386	1,090	0	2,667	43	31,191
KINGS	2,004	9	0	0	111	165	1,723	0	3,071	1,627	241	25,685	0	0	2,156	10	4,291
LAKE	0	0	0	0	0	70	0	0	321	6	0	1,380	0	0	145	0	284
LASSEN	0	0	0	274	0	249	0	0	264	33	0	31	0	0	1,090	0	84
LOS ANGELES	1	26	0	251	0	1,446	37	0	39	6,029	765	226	0	0	727	62	4,997
MADERA	18	157	190	821	1	346	2,038	0	10,740	271	75	24,431	0	0	427	556	9,691
MARIN	0	0	0	0	0	7	3	0	0	0	0	12	0	0	0	0	33
MARIPOSA	0	0	0	0	0	11	22	0	0	182	0	3	0	0	0	0	3
MENDOCINO	0	0	0	0	0	4	0	0	114	94	0	72	0	0	40	0	551
MERCED	139	100	4	1,084	44	1,996	5,340	0	12,465	606	3,145	18,984	0	0	1,428	11	28,588
MODOC	0	0	0	201	45	1,462	266	0	36	8	0	593	0	78	2,217	0	869
MONO	0	0	0	0	0	718	0	0	0	0	0	5	0	0	149	0	1,508
MONTEREY	0	3,300	23	25,083	497	3,622	3,511	95	16,393	1,278	1,151	9,523	347	12	2,012	633	40,394
NAPA	4	0	0	0	0	29	0	0	141	261	0	33	0	0	15	0	1,372
NEVADA	0	0	0	0	0	3	0	0	0	0	0	3,209	0	0	7	0	143
ORANGE	0	4	0	26	0	324	68	0	688	541	338	150	29	1	592	2	4,825
PLACER	0	1,213	0	50	0	125	17	0	51	51	6	102	1	0	48	0	1,051
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
RIVERSIDE	284	23	81	4,516	0	1,401	310	2	7,258	1,340	1,289	10,556	25	57	1,321	77	7,708
SACRAMENTO	586	1,921	0	0	0	458	29	0	651	1,121	1	3,916	1	0	1,461	229	2,294
SAN BENITO	0	0	0	79	0	36	9	0	1,608	23	0	186	0	0	41	0	3,212
SAN BERNARDINO	0	0	0	0	0	173	38	0	26	384	89	139	0	0	590	3	1,666
SAN DIEGO	13	0	148	167	0	327	14	0	672	1,719	884	311	0	7	521	1	6,763
SAN FRANCISCO	0	326	0	0	0	67	1	0	0	1	0	11	0	0	10	0	25
SAN JOAQUIN	91	48	198	30	46	3,340	2,895	0	12,718	1,409	13	23,912	16	0	4,074	25	9,850
SAN LUIS OBISPO	0	25	472	1,232	0	338	174	0	1,039	179	32	1,446	0	12	57	170	1,100
SAN MATEO	0	86	17	0	0	64	7	0	0	541	0	44	0	0	94	0	1,060
SANTA BARBARA	0	0	1,216	5,106	0	625	969	0	1,694	2,009	89	9,949	17	0	18,581	2,016	9,583
SANTA CLARA	5	0	0	9	0	116	30	0	396	118	2	255	5	2	134	22	2,620
SANTA CRUZ	0	0	11	18	0	26	3	19	132	152	0	77	0	0	86	0	8,641
SHASTA	599	96	0	190	0	992	9	0	25	32	0	400	0	0	3,341	0	194
SIERRA	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0	3
SISKIYOU	38	0	1	0	67	1,602	495	0	829	0	0	926	0	117	3,127	0	1,504
SOLANO	1,285	108	0	0	0	3,352	20	0	793	17	19	3,520	135	0	3,743	0	607
SONOMA	0	26	16	209	0	106	4	11	291	663	0	55	0	0	171	0	1,529
STANISLAUS	1,335	11	0	1,026	27	7,756	1,813	0	24,680	298	65	38,076	0	0	2,653	1	8,006
SUTTER	0	23,064	0	87	0	8,358	626	0	1,984	582	322	7,091	14	0	1,633	0	1,107
TEHAMA	0	107	0	0	0	4,156	10	0	385	137	0	2,362	0	0	150	0	282
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
TULARE	1,056	0	0	0	179	3,604	3,840	1	5,778	898	61	24,614	71	0	2,665	1,275	20,680
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	2	0	616	2,377	0	59	205	5	3,793	870	28	566	28	7	303	13	7,433
YOLO	252	13,378	0	0	0	3,973	1,337	0	5,715	28	0	13,834	0	0	2,037	0	5,597
YUBA	1	6,312	0	386	0	1,177	153	0	479	34	267	1,816	29	0	789	0	295
** UNKNOWN **	0	0	0	68	0	266	21	0	84	2	0	633	0	0	16	0	2,542
TOTAL	12,147	146,131	3,102	52,328	2,949	93,345	54,377	136	186,787	28,675	11,571	455,948	2,066	774	108,661	5,469	290,006

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 TONS OF PHOSPHORUS AND POTASSIUM MATERIALS - FARM USE

COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHORUS MATERIALS - ALL OTHER	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER
ALAMEDA	0	16	0	0	2	0	25	128	3	0	0	25	123
ALPINE	0	0	3	0	0	0	0	0	6	0	0	0	0
AMADOR	0	0	0	0	0	0	0	19	0	0	7	0	61
BUTTE	0	1,119	2,125	0	2,607	0	0	1,444	6,756	1,195	328	10,948	2,153
CALAVERAS	0	0	0	0	0	0	0	10	26	0	0	0	22
COLUSA	455	2,952	1,004	202	5,808	0	0	2,097	0	1,502	225	2,330	3,240
CONTRA COSTA	0	22	47	87	632	0	1	346	76	0	16	192	474
DEL NORTE	14	0	0	93	64	0	0	106	50	30	5	8	82
EL DORADO	0	1	0	0	0	0	7	33	0	0	0	11	29
FRESNO	22	132	3,084	1,223	3,589	0	25	17,831	3,125	2,969	1,647	11,525	29,638
GLENN	0	1,152	1,813	0	22	0	0	1,553	2,203	0	128	4,152	2,857
HUMBOLDT	0	13	0	0	0	0	0	55	41	0	1	0	53
IMPERIAL	0	12	21,387	3,133	4,984	0	0	10,138	789	567	72	2,067	2,541
INYO	0	0	44	0	0	0	0	4,616	22	1	7	16	637
KERN	0	329	2,564	1,380	9,707	0	1	14,096	4,519	8,011	775	11,900	32,336
KINGS	12	0	1,445	2,583	2,587	0	0	2,594	1,180	129	83	5,199	3,005
LAKE	0	88	1	0	124	0	0	17	11	43	1	102	65
LASSEN	0	88	383	0	0	0	0	2	230	0	0	64	65
LOS ANGELES	0	11	117	2	24	0	5	2,278	28	54	2,311	2,047	527
MADERA	0	0	481	192	665	0	0	2,140	1,834	509	153	3,108	7,263
MARIN	0	0	0	0	0	0	0	2	0	0	0	0	9
MARIPOSA	0	0	0	0	0	0	0	5	0	0	0	0	172
MENDOCINO	0	3	64	0	162	0	0	103	46	14	1	193	166
MERCED	21	24	1,681	23	691	0	0	6,469	4,104	299	261	5,337	7,201
MODOC	0	1,487	885	0	185	0	0	0	136	0	0	614	133
MONO	0	0	267	0	316	0	0	346	55	0	0	0	0
MONTEREY	0	302	1,326	1,936	498	0	0	11,791	1,253	300	431	6,326	13,972
NAPA	0	35	61	0	12	0	31	957	0	3	23	197	1,555
NEVADA	0	1	2	0	267	0	0	52	0	0	1	25	5,422
ORANGE	0	47	34	47	0	0	65	1,043	3	27	115	540	999
PLACER	0	60	125	0	0	0	0	43	42	1	0	22	20
PLUMAS	0	2	13	0	0	0	1	0	0	0	0	1	1
RIVERSIDE	0	13	4,543	1,362	3,829	0	27	2,037	981	482	378	1,174	1,201
SACRAMENTO	0	446	274	0	8	0	5	966	956	0	183	151	2,356
SAN BENITO	0	0	7	0	0	0	0	1,014	0	0	1	105	739
SAN BERNARDINO	0	15	19	2	138	0	11	71	39	0	13	2	46
SAN DIEGO	0	23	90	154	5	0	143	670	67	542	160	3,151	245
SAN FRANCISCO	0	97	2	0	0	0	0	4	0	0	0	1	2
SAN JOAQUIN	0	8	249	36	4,163	0	4	7,709	1,621	181	230	5,529	11,753
SAN LUIS OBISPO	0	182	18	0	100	0	0	388	80	0	329	403	2,164
SAN MATEO	0	26	212	0	0	0	6	216	145	7	42	167	240
SANTA BARBARA	0	0	209	45	48	0	0	6,113	1,047	12	364	1,258	4,610
SANTA CLARA	0	4	2	0	0	0	27	623	13	11	18	110	849
SANTA CRUZ	0	0	7	2	9	0	0	636	6	0	194	197	369
SHASTA	0	573	484	13	6	0	0	21	1,032	0	18	122	13
SIERRA	0	5	0	14	0	0	0	0	0	0	0	0	2
SISKIYOU	0	534	912	47	148	56	0	567	1,551	315	1	751	405
SOLANO	0	1,766	3,139	0	3,206	4,076	9	1,636	486	5	60	741	648
SONOMA	0	47	92	0	198	0	69	1,080	25	0	233	579	1,272
STANISLAUS	0	107	3,781	47	2,266	0	1	4,764	7,440	964	681	14,051	10,676
SUTTER	0	1,382	1,112	0	863	0	11	833	289	11	672	3,076	543
TEHAMA	0	53	1,848	0	108	0	0	137	175	0	87	3,530	374
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0
TULARE	2	0	1,668	1,221	1,122	0	0	4,181	2,235	735	1,935	5,231	5,472
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	0	463	198	391	22	0	10	2,588	268	49	221	1,488	1,598
YOLO	0	694	803	35	2,309	0	36	1,911	443	0	37	741	3,346
YUBA	0	765	157	0	364	0	0	144	539	3	93	588	116
** UNKNOWN **	0	0	5	0	0	0	0	919	0	0	52	56	3,032
TOTAL	526	15,099	58,787	14,270	51,858	4,132	520	119,542	45,976	18,971	12,593	110,151	166,892

**STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
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JULY 2016 - JUNE 2017**

TONS OF AGRICULTURAL MINERALS - FARM USE

COUNTY	COPPER	IRON	GYPSUM	LIME	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	OTHER SECONDARY/MICROS
ALAMEDA	1	27	552	37	0	505	25	325
ALPINE	0	0	0	0	0	0	0	1
AMADOR	0	0	2	48	0	35	0	13
BUTTE	74	59	4,044	3,038	0	678	128	14,015
CALAVERAS	0	0	696	0	0	66	0	16,202
COLUSA	137	5	39,052	7,306	0	1,864	1,116	22,435
CONTRA COSTA	0	26	573	0	0	866	0	27,568
DEL NORTE	0	0	0	5	0	241	0	57,644
EL DORADO	0	3	15	1,404	0	53	0	202
FRESNO	172	528	362,830	8,364	31,416	17,274	16,129	96,167
GLENN	13	0	12,360	4,111	0	756	25	1,795
HUMBOLDT	0	3	11	578	0	154	0	566
IMPERIAL	4	89	1,090	22,996	0	1,873	797	4,334
INYO	0	4	13	18	0	1	5	19
KERN	463	216	329,866	27,060	51,463	25,404	13,096	72,758
KINGS	13	11	312,770	9,413	0	28,784	63,105	16,358
LAKE	0	1	546	25	0	9,283	0	2,864
LASSEN	0	0	587	75	0	185	48	6,598
LOS ANGELES	1	845	789	79	124	43	1,197	6,831
MADERA	18	27	10,493	1,079	1,453	4,976	3,053	20,340
MARIN	0	2	0	0	0	0	0	33
MARIPOSA	0	0	0	18	11,229	0	0	4,736
MENDOCINO	0	10	515	631	0	8,457	0	1,118
MERCED	90	15	52,280	9,116	35	11,319	799	14,866
MODOC	1	1	659	75	6,235	1,306	49	4,113
MONO	0	1	261	72	0	132	1	4
MONTEREY	39	114	6,495	20,800	0	414	448	6,097
NAPA	0	0	5,291	1,570	0	2	0	7,733
NEVADA	0	3	3	2	0	4	0	12
ORANGE	3	258	570	66	61	162	11	1,394
PLACER	0	2	164	395	0	26	0	228
PLUMAS	0	0	0	0	0	0	0	0
RIVERSIDE	2	313	2,510	62	542	163	355	3,791
SACRAMENTO	1	104	1,116	1,255	4,109	853	0	13,955
SAN BENITO	1	0	4,364	295	0	3	18	268
SAN BERNARDINO	0	172	4,109	21	2,491	35	0	894
SAN DIEGO	9	254	2,924	273	192	9	25	2,120
SAN FRANCISCO	0	0	0	4	0	0	0	77
SAN JOAQUIN	3	49	36,983	16,026	87	12,003	995	8,843
SAN LUIS OBISPO	2	22	765	4	0	47	3	648
SAN MATEO	11	484	127	125	0	53	0	415
SANTA BARBARA	4	54	16,383	9,152	0	878	184	4,438
SANTA CLARA	1	18	2,926	88	0	26	7	913
SANTA CRUZ	7	14	5,026	1,903	0	34	13	541
SHASTA	17	5	1,854	14,251	0	281	78	996
SIERRA	0	0	141	0	0	0	0	3
SISKIYOU	1	2	2,884	240	0	2,090	260	3,101
SOLANO	0	5	24,969	2,669	17,983	730	0	145
SONOMA	7	93	6,515	3,886	0	94	0	1,059
STANISLAUS	50	131	86,808	23,418	0	13,740	1,276	7,811
SUTTER	44	0	9,587	1,690	0	562	0	1,459
TEHAMA	1	60	3,900	1,803	0	614	0	1,284
TRINITY	0	0	0	5	0	0	0	0
TULARE	141	139	108,838	3,576	2,435	16,056	13,775	17,828
TUOLUMNE	0	0	0	134	0	0	0	0
VENTURA	10	340	3,970	6	2,796	210	660	2,596
YOLO	1	1	22,665	392	0	2,394	238	25,717
YUBA	2	1	2,056	610	0	3	0	769
** UNKNOWN **	175	0	382	0	0	0	0	412
TOTAL	1,519	4,511	1,494,370	200,269	132,651	165,741	117,919	507,452

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
 TONNAGE REPORT OF COMMERCIAL FERTILIZERS AND AGRICULTURAL MINERALS
 JULY 2016 - JUNE 2017
 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	NONFARM USE DRY PACKAGED	NONFARM USE DRY BULK	NONFARM USE LIQUID	NONFARM USE TOTAL	TOTAL ALL
ALAMEDA	2,653	263	838	3,754	1,166	92	214	1,472	8,973	32	2,182	11,187	14,941
ALPINE	0	24	0	24	0	1	0	1	0	0	0	0	24
AMADOR	33	127	83	243	18	56	24	98	302	0	2	304	547
BUTTE	4,247	60,044	52,312	116,603	1,667	18,856	1,513	22,036	2,420	1	924	3,345	119,948
CALAVERAS	697	16,247	151	17,095	697	16,187	80	16,964	1,373	3	184	1,560	18,655
COLUSA	8,005	83,406	87,650	179,061	4,905	61,690	5,320	71,915	73	1,896	2	1,971	181,032
CONTRA COSTA	1,260	28,583	8,744	38,587	336	27,614	1,083	29,033	6,281	1,278	739	8,298	46,885
DEL NORTE	250	61,358	209	61,817	4	57,886	0	57,890	190	0	433	623	62,440
EL DORADO	249	1,558	87	1,894	91	1,533	53	1,677	801	48	147	996	2,890
FRESNO	30,087	523,014	229,329	782,430	15,710	470,908	46,262	532,880	6,889	1,149	411	8,449	790,879
GLENN	542	38,545	33,352	72,439	197	18,290	573	19,060	60	399	2	461	72,900
HUMBOLDT	1,228	728	169	2,125	329	687	45	1,061	9,467	822	2,447	12,736	14,861
IMPERIAL	3,673	101,025	80,820	185,518	1,578	22,716	6,889	31,183	683	15	84	782	186,300
INYO	270	4,700	2,807	7,777	27	22	11	60	34	0	0	34	7,811
KERN	19,623	526,825	192,296	738,744	12,162	476,782	31,382	520,326	5,066	1,164	89	6,319	745,063
KINGS	6,142	370,418	113,783	490,343	4,172	358,702	67,580	430,454	576	96	96	768	491,111
LAKE	9,621	3,814	1,942	15,377	9,362	3,296	61	12,719	233	0	30	263	15,640
LASSEN	53	9,706	591	10,350	7	7,266	220	7,493	163	95	2	260	10,610
LOS ANGELES	24,327	5,133	2,459	31,919	5,690	2,920	1,299	9,909	31,220	87,944	4,791	123,955	155,874
MADERA	6,136	33,828	67,540	107,504	2,949	22,161	16,329	41,439	420	84	21	525	108,029
MARIN	39	17	45	101	2	12	21	35	1,188	20,760	174	22,122	22,223
MARIPOSA	18	16,149	214	16,381	18	15,965	0	15,983	287	0	26	313	16,694
MENOCINO	8,968	2,897	493	12,358	8,583	2,121	27	10,731	7,145	560	866	8,571	20,929
MERCED	8,216	106,685	73,664	188,565	5,157	69,671	13,692	88,520	900	0	26	926	189,491
MODOC	48	20,852	754	21,654	48	12,134	257	12,439	2	80	0	82	21,736
MONO	7	1,686	2,142	3,835	1	469	1	471	27	0	1	28	3,863
MONTEREY	8,395	84,083	87,932	180,410	1,970	29,373	3,064	34,407	2,082	52	129	2,263	182,673
NAPA	1,568	16,104	1,653	19,325	591	13,050	955	14,596	350	45	8	403	19,728
NEVADA	171	5,466	3,519	9,156	13	0	11	24	1,143	620	144	1,907	11,063
ORANGE	6,746	3,163	3,124	13,033	1,362	648	515	2,525	15,685	4,567	361	20,613	33,646
PLACER	293	2,039	1,511	3,843	114	690	11	815	7,344	20	567	7,931	11,774
PLUMAS	29	15	0	44	0	0	0	0	42	0	0	42	86
RIVERSIDE	12,071	16,091	31,854	60,016	1,753	3,799	2,186	7,738	20,874	41,232	1,857	63,963	123,979
SACRAMENTO	2,901	25,052	11,525	39,478	972	19,687	806	21,465	10,014	441	3,679	14,134	53,612
SAN BENITO	2,817	6,389	2,803	12,009	1,490	3,263	196	4,949	115	0	17	132	12,141
SAN BERNARDINO	3,430	7,211	545	11,186	617	7,012	93	7,722	36,602	23,104	2,113	61,819	73,005
SAN DIEGO	18,009	1,553	3,041	22,603	3,341	1,290	1,175	5,806	24,065	5,230	285	29,580	52,183
SAN FRANCISCO	37	245	346	628	10	64	7	81	803	0	266	1,069	1,697
SAN JOAQUIN	5,605	76,649	82,863	165,117	2,175	57,469	15,345	74,989	20,220	516	270	21,006	186,123
SAN LUIS OBISPO	1,815	1,696	7,959	11,470	364	660	487	1,511	1,471	42	118	1,631	13,101
SAN MATEO	3,352	523	314	4,189	1,088	94	33	1,215	4,565	1,211	137	5,913	10,102
SANTA BARBARA	4,106	55,529	37,018	96,653	749	28,675	1,669	31,093	2,191	34	194	2,419	99,072
SANTA CLARA	3,070	4,615	1,662	9,347	1,244	2,456	279	3,979	9,235	130	365	9,730	19,077
SANTA CRUZ	3,646	14,870	1,254	19,770	572	6,758	208	7,538	5,792	20	458	6,270	26,040
SHASTA	389	23,874	1,379	25,642	65	17,217	200	17,482	1,123	413	241	1,777	27,419
SIERRA	3	152	18	173	3	141	0	144	0	0	0	0	173
SISKIYOU	220	20,161	2,190	22,571	41	8,277	260	8,578	225	1,877	15	2,117	24,688
SOLANO	1,068	44,468	30,336	75,872	641	29,352	16,508	46,501	7,467	202	15	7,684	83,556
SONOMA	4,569	11,646	2,119	18,334	1,132	10,098	425	11,655	6,084	9,902	2,622	18,608	36,942
STANISLAUS	12,792	150,108	100,876	263,776	9,039	109,163	15,031	133,233	3,565	179	120	3,864	267,640
SUTTER	1,782	27,081	38,139	67,002	361	11,706	1,275	13,342	757	122	39	918	67,920
TEHAMA	458	17,612	3,493	21,563	39	7,520	103	7,662	2,549	153	24	2,726	24,289
TRINITY	181	3	0	184	5	0	0	5	302	1	47	350	534
TULARE	18,521	141,570	91,221	251,312	12,493	123,264	27,031	162,788	7,478	882	522	8,882	260,194
TUOLUMNE	134	0	0	134	134	0	0	134	369	0	3	372	506
VENTURA	8,503	8,742	16,923	34,168	3,007	4,981	2,600	10,588	6,627	152	238	7,017	41,185
YOLO	2,520	60,721	44,673	107,914	2,060	48,045	1,303	51,408	2,755	302	78	3,135	111,049
YUBA	399	7,424	10,125	17,948	144	3,274	23	3,441	328	21	28	377	18,325
** UNKNOWN **	498	4,080	4,094	8,672	5	558	406	969	91,616	113,547	2,966	208,129	216,801
TOTAL	266,490	2,856,608	1,576,983	4,700,081	122,470	2,216,662	285,141	2,624,273	378,611	321,402	31,605	731,618	5,431,699

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS AND AGRICULTURAL MINERALS
JULY 2016 - JUNE 2017
TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NONFARM

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	1,207	143	137	1,488	1,008	130	59	1,196	199	14	79	292
ALPINE	4	2	4	9	4	2	4	9	0	0	0	0
AMADOR	34	19	64	117	25	14	33	72	8	5	31	44
BUTTE	19,025	3,659	12,088	34,772	7,308	2,349	10,584	20,241	11,717	1,310	1,504	14,531
CALAVERAS	17	10	38	65	7	3	19	28	10	7	19	36
COLUSA	23,845	5,503	4,834	34,182	5,534	2,012	2,015	9,562	18,310	3,491	2,819	24,620
CONTRA COSTA	2,886	637	623	4,146	1,060	164	208	1,433	1,826	473	414	2,713
DEL NORTE	1,670	184	125	1,979	1,653	113	125	1,891	17	72	0	89
EL DORADO	83	36	35	154	77	30	29	136	7	6	6	19
FRESNO	73,084	21,992	38,968	134,043	19,319	10,102	17,559	46,980	53,765	11,889	21,409	87,064
GLENN	11,596	2,734	6,311	20,641	3,475	2,286	5,512	11,274	8,121	447	799	9,367
HUMBOLDT	582	58	78	717	582	58	78	717	0	0	0	0
IMPERIAL	46,792	24,648	4,204	75,644	26,563	17,461	3,486	47,509	20,229	7,187	719	28,135
INYO	2,226	4,639	662	7,526	104	4,634	59	4,797	2,121	5	603	2,729
KERN	63,631	20,570	43,615	127,817	11,351	6,551	24,318	42,219	52,280	14,020	19,298	85,598
KINGS	16,678	5,625	6,377	28,680	2,711	2,046	3,787	8,544	13,967	3,579	2,591	20,137
LAKE	889	77	133	1,099	365	35	93	492	525	42	40	607
LASSEN	808	219	235	1,262	680	217	235	1,131	129	2	0	131
LOS ANGELES	7,254	2,355	2,597	12,206	6,711	2,247	2,525	11,484	542	108	72	722
MADERA	20,524	2,749	10,111	33,385	5,145	1,285	4,981	11,412	15,379	1,464	5,130	21,973
MARIN	39	2	9	50	34	2	0	36	4	0	9	13
MARIPOSA	710	230	284	1,224	677	225	284	1,186	33	5	0	38
MENDOCINO	651	192	294	1,136	570	117	258	944	81	75	36	192
MERCED	40,135	7,606	12,513	60,253	21,384	4,025	7,460	32,869	18,750	3,581	5,053	27,384
MODOC	3,230	945	584	4,759	3,133	895	569	4,597	97	50	15	162
MONO	1,790	592	33	2,415	257	165	33	455	1,533	427	0	1,961
MONTEREY	55,136	13,756	18,142	87,034	27,814	5,911	10,651	44,376	27,321	7,845	7,491	42,658
NAPA	1,479	1,014	1,664	4,157	1,358	896	1,356	3,610	121	118	308	547
NEVADA	1,201	144	5,435	6,780	121	49	5,433	5,604	1,080	95	2	1,176
ORANGE	5,557	1,127	1,328	8,011	4,876	620	684	6,180	681	506	644	1,831
PLACER	1,428	120	56	1,605	1,122	99	47	1,268	307	21	9	337
PLUMAS	28	8	2	37	28	8	2	37	0	0	0	0
RIVERSIDE	16,005	6,463	2,660	25,128	9,151	3,655	1,945	14,752	6,854	2,807	715	10,377
SACRAMENTO	5,883	1,285	3,127	10,295	2,845	618	1,165	4,628	3,038	667	1,962	5,666
SAN BENITO	3,593	1,018	792	5,402	2,824	792	544	4,160	768	226	248	1,242
SAN BERNARDINO	2,280	187	101	2,568	2,049	176	99	2,324	231	11	2	243
SAN DIEGO	7,937	876	2,052	10,865	7,397	733	2,015	10,144	541	143	37	721
SAN FRANCISCO	128	24	3	155	59	24	3	86	70	0	0	70
SAN JOAQUIN	23,458	9,279	15,632	48,369	5,277	1,552	6,086	12,914	18,182	7,726	9,546	35,454
SAN LUIS OBISPO	2,431	468	2,558	5,457	875	121	487	1,483	1,556	347	2,071	3,974
SAN MATEO	1,269	334	431	2,034	1,132	332	394	1,858	137	2	36	175
SANTA BARBARA	24,095	6,262	6,030	36,387	12,972	1,685	2,937	17,594	11,123	4,578	3,093	18,794
SANTA CLARA	2,892	637	922	4,451	2,490	538	589	3,617	402	99	333	834
SANTA CRUZ	8,795	644	556	9,995	8,378	345	451	9,175	416	299	105	820
SHASTA	2,774	396	701	3,871	2,120	387	701	3,208	654	9	0	663
SIERRA	5	9	2	16	2	1	2	5	3	8	0	11
SISKIYOU	4,063	1,236	1,781	7,080	3,637	1,001	1,710	6,348	426	235	70	732
SOLANO	7,437	5,972	1,517	14,926	3,466	3,621	922	8,008	3,971	2,351	596	6,918
SONOMA	1,921	1,236	1,679	4,836	1,563	959	1,230	3,752	357	277	449	1,084
STANISLAUS	29,578	7,548	22,677	59,803	5,575	3,232	15,377	24,184	24,003	4,315	7,300	35,619
SUTTER	11,629	1,986	2,553	16,167	3,907	1,152	1,464	6,522	7,722	835	1,089	9,645
TEHAMA	2,323	1,145	2,282	5,751	1,297	1,022	2,122	4,441	1,026	124	160	1,309
TRINITY	3	0	0	3	3	0	0	3	0	0	0	0
TULARE	34,015	6,139	10,466	50,620	5,973	2,278	5,777	14,028	28,043	3,861	4,689	36,592
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	9,567	3,063	2,639	15,269	5,180	916	1,144	7,240	4,387	2,147	1,494	8,028
YOLO	16,249	3,288	3,999	23,536	5,104	1,360	1,154	7,618	11,145	1,928	2,845	15,918
YUBA	3,200	502	775	4,477	906	362	668	1,936	2,294	141	107	2,542
** UNKNOWN **	2,846	922	3,083	6,851	2,251	792	593	3,635	595	130	2,490	3,215
TOTAL	628,592	182,512	260,600	1,071,704	251,487	92,401	152,065	495,953	377,105	90,111	108,535	575,751

FERTILIZING MATERIALS TONNAGE REPORT

JULY-DECEMBER 2017



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

SACRAMENTO, CALIFORNIA 95814



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

FOREWORD

This publication summarizes State and County tonnage sales/distributions of commercial fertilizers, specialty fertilizers, and agricultural minerals, 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, and/or agricultural minerals sold/distributed in California, as defined in the Food and Agricultural Code, Sections 14512, 14522 and 14563. 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
JANUARY 2016 - DECEMBER 2017
TOTAL TONS OF MATERIALS REPORTED FOR THE PERIOD INDICATED

CODE	MATERIAL NAME	JAN-JUNE 2016	JAN-JUNE 2017	JULY-DEC 2016	JULY-DEC 2017	JAN-DEC 2016	JAN-DEC 2017
0	IDENTIFIED BY GRADE	478,720	413,712	324,124	322,235	802,844	735,947
0	N-P-K GRADES	371,005	323,718	253,102	213,690	624,107	537,408
2	ANHYDROUS AMMONIA	5,310	6,021	6,126	5,162	11,436	11,183
6	AQUA AMMONIA	144,521	132,067	14,064	10,882	158,585	142,949
10	AMMONIUM NITRATE	2,065	442	2,660	1,833	4,725	2,275
12	AMMONIUM NITRATE SOLUTION	26,096	28,447	23,881	25,674	49,977	54,121
20	AMMONIUM POLYSULFIDE	286	1,312	1,637	0	1,923	1,312
24	AMMONIUM SULFATE	60,716	61,301	32,044	34,962	92,760	96,263
31	AMMONIUM THIOSULFATE	48,834	38,859	15,518	16,267	64,352	55,126
35	CALCIUM AMMONIUM NITRATE	114,506	130,503	56,284	42,938	170,790	173,441
43	CALCIUM NITRATE	15,932	19,729	8,946	8,594	24,878	28,323
58	NITROGEN SOLUTION 28%	1,791	2,158	9,413	928	11,204	3,086
60	NITROGEN SOLUTION 32%	312,531	308,561	147,387	159,364	459,918	467,925
62	SODIUM NITRATE	1,358	1,793	273	2,086	1,631	3,879
64	SULFUR COATED UREA	307	205	569	19	876	224
66	UREA	58,988	53,742	54,919	4,550	113,907	58,292
67	UREA SOLUTION	2,871	2,096	3,373	5,778	6,244	7,874
203	DIAMMONIUM PHOSPHATE	130	512	14	10	144	522
207	AMMONIUM PHOSPHATE SULFATE	13,539	11,942	3,157	4,897	16,696	16,839
209	MONOAMMONIUM PHOSPHATE	19,912	25,071	33,716	38,530	53,628	63,601
248	PHOSPHORIC ACID	6,369	8,047	6,223	8,478	12,592	16,525
249	LIQUID AMMONIUM POLYPHOSPHATE	32,239	34,370	17,488	18,798	49,727	53,168
263	SUPERPHOSPHATE, NORMAL	2,852	1,918	2,214	0	5,066	1,918
267	SUPERPHOSPHATE, TRIPLE	125	164	356	662	481	826
428	MURIATE OF POTASH	19,116	17,970	28,006	21,626	47,122	39,596
443	SULFATE OF POTASH MAGNESIA	4,876	4,668	14,303	15,991	19,179	20,659
453	POTASSIUM NITRATE	7,400	10,852	1,741	10,171	9,141	21,023
463	POTASSIUM SULFATE	41,755	53,550	56,601	179,437	98,356	232,987
601	BLOOD MEAL	168	35	101	10	269	45
667	SEWAGE SLUDGE	35,534	87,800	44,851	191,600	80,385	279,400
723	COPPER - ALL MATERIALS	584	1,003	516	482	1,100	1,485
731	IRON - ALL MATERIALS	2,064	2,994	1,517	1,764	3,581	4,758
732	GYPHUM - ALL MATERIALS	624,561	528,080	966,480	1,121,845	1,591,041	1,649,925
770	SULFUR	71,256	64,323	101,418	57,203	172,674	121,526
774	SULFURIC ACID	96,204	61,516	56,403	75,789	152,607	137,305
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	169,816	330,069	177,383	181,841	347,199	511,910
907	LIMING MATERIALS - ALL MATERIALS	79,150	44,613	155,940	193,171	235,090	237,784
0	TOTAL	2,873,487	2,814,163	2,622,748	2,977,267	5,496,235	5,791,430

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CODE	MATERIAL NAME	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE	JAN-JUNE
		2016 N	2016 P2O5	2016 K2O	2017 N	2017 P2O5	2017 K2O
0	IDENTIFIED BY GRADE	216,628	65,203	89,174	159,587	67,044	97,088
2	ANHYDROUS AMMONIA	4,354	0	0	4,937	0	0
6	AQUA AMMONIA	28,904	0	0	26,413	0	0
10	AMMONIUM NITRATE	702	0	0	150	0	0
12	AMMONIUM NITRATE SOLUTION	5,219	0	0	5,689	0	0
20	AMMONIUM POLYSULFIDE	57	0	0	262	0	0
24	AMMONIUM SULFATE	12,750	0	0	12,873	0	0
31	AMMONIUM THIOSULFATE	5,860	0	0	4,663	0	0
35	CALCIUM AMMONIUM NITRATE	19,466	0	0	22,186	0	0
43	CALCIUM NITRATE	2,390	0	0	2,959	0	0
58	NITROGEN SOLUTION 28%	501	0	0	604	0	0
60	NITROGEN SOLUTION 32%	100,010	0	0	98,740	0	0
62	SODIUM NITRATE	217	0	0	287	0	0
64	SULFUR COATED UREA	111	0	0	74	0	0
66	UREA	27,134	0	0	24,721	0	0
67	UREA SOLUTION	574	0	0	419	0	0
203	DIAMMONIUM PHOSPHATE	23	60	0	92	236	0
207	AMMONIUM PHOSPHATE SULFATE	2,166	2,708	0	1,911	2,388	0
209	MONOAMMONIUM PHOSPHATE	2,190	10,354	0	2,758	13,037	0
248	PHOSPHORIC ACID	0	3,439	0	0	4,345	0
249	LIQUID AMMONIUM POLYPHOSPHATE	3,224	10,961	0	3,437	11,686	0
263	SUPERPHOSPHATE, NORMAL	0	627	0	0	422	0
267	SUPERPHOSPHATE, TRIPLE	0	58	0	0	75	0
428	MURIATE OF POTASH	0	0	11,470	0	0	10,782
443	SULFATE OF POTASH MAGNESIA	0	0	1,073	0	0	1,027
453	POTASSIUM NITRATE	1,036	0	3,256	1,519	0	4,775
463	POTASSIUM SULFATE	0	0	20,878	0	0	26,775
601	BLOOD MEAL	20	0	0	4	0	0
667	SEWAGE SLUDGE	2,132	711	355	5,268	1,756	878
723	COPPER - ALL MATERIALS	0	0	0	0	0	0
731	IRON - ALL MATERIALS	0	0	0	0	0	0
732	GYPSUM -ALL MATERIALS	0	0	0	0	0	0
770	SULFUR	0	0	0	0	0	0
774	SULFURIC ACID	0	0	0	0	0	0
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	0	0	0	0	0	0
907	LIMING MATERIALS - ALL MATERIALS	0	0	0	0	0	0
0	TOTAL	435,671	94,121	126,205	379,555	100,989	141,325

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CODE	MATERIAL NAME	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC	JUL-DEC
		2016 N	2016 P2O5	2016 K2O	2017 N	2017 P2O5	2017 K2O
0	IDENTIFIED BY GRADE	130,794	52,498	69,810	116,145	42,161	57,186
2	ANHYDROUS AMMONIA	5,023	0	0	4,233	0	0
6	AQUA AMMONIA	2,813	0	0	2,176	0	0
10	AMMONIUM NITRATE	904	0	0	623	0	0
12	AMMONIUM NITRATE SOLUTION	4,776	0	0	5,135	0	0
20	AMMONIUM POLYSULFIDE	327	0	0	0	0	0
24	AMMONIUM SULFATE	6,729	0	0	7,342	0	0
31	AMMONIUM THIOSULFATE	1,862	0	0	1,952	0	0
35	CALCIUM AMMONIUM NITRATE	9,568	0	0	7,299	0	0
43	CALCIUM NITRATE	1,342	0	0	1,290	0	0
58	NITROGEN SOLUTION 28%	2,636	0	0	260	0	0
60	NITROGEN SOLUTION 32%	47,164	0	0	50,955	0	0
62	SODIUM NITRATE	44	0	0	334	0	0
64	SULFUR COATED UREA	205	0	0	7	0	0
66	UREA	25,263	0	0	20,930	0	0
67	UREA SOLUTION	675	0	0	1,156	0	0
203	DIAMMONIUM PHOSPHATE	3	6	0	2	5	0
207	AMMONIUM PHOSPHATE SULFATE	505	631	0	789	987	0
209	MONOAMMONIUM PHOSPHATE	3,709	17,532	0	4,238	20,036	0
248	PHOSPHORIC ACID	0	3,360	0	0	4,578	0
249	LIQUID AMMONIUM POLYPHOSPHATE	1,749	5,946	0	1,881	6,394	0
263	SUPERPHOSPHATE, NORMAL	0	487	0	0	0	0
267	SUPERPHOSPHATE, TRIPLE	0	164	0	0	310	0
428	MURIATE OF POTASH	0	0	16,804	0	0	12,976
443	SULFATE OF POTASH MAGNESIA	0	0	3,147	0	0	3,523
453	POTASSIUM NITRATE	244	0	766	1,424	0	4,477
463	POTASSIUM SULFATE	0	0	28,301	0	0	89,718
601	BLOOD MEAL	12	0	0	1	0	0
667	SEWAGE SLUDGE	2,691	897	449	11,496	3,832	1,916
723	COPPER - ALL MATERIALS	0	0	0	0	0	0
731	IRON - ALL MATERIALS	0	0	0	0	0	0
732	GYPHUM -ALL MATERIALS	0	0	0	0	0	0
770	SULFUR	0	0	0	0	0	0
774	SULFURIC ACID	0	0	0	0	0	0
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	0	0	0	0	0	0
907	LIMING MATERIALS - ALL MATERIALS	0	0	0	0	0	0
0	TOTAL	249,037	81,522	119,275	239,668	78,302	169,795

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CODE	MATERIAL NAME	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
		2016 N	2016 P2O5	2016 K2O	2017 N	2017 P2O5	2017 K2O
0	IDENTIFIED BY GRADE	347,422	117,701	158,984	275,732	109,205	154,274
2	ANHYDROUS AMMONIA	9,378	0	0	9,170	0	0
6	AQUA AMMONIA	31,717	0	0	28,590	0	0
10	AMMONIUM NITRATE	1,607	0	0	774	0	0
12	AMMONIUM NITRATE SOLUTION	9,995	0	0	10,824	0	0
20	AMMONIUM POLYSULFIDE	385	0	0	262	0	0
24	AMMONIUM SULFATE	19,480	0	0	20,215	0	0
31	AMMONIUM THIOSULFATE	7,722	0	0	6,615	0	0
35	CALCIUM AMMONIUM NITRATE	29,034	0	0	29,485	0	0
43	CALCIUM NITRATE	3,732	0	0	4,249	0	0
58	NITROGEN SOLUTION 28%	3,137	0	0	864	0	0
60	NITROGEN SOLUTION 32%	147,174	0	0	149,694	0	0
62	SODIUM NITRATE	261	0	0	621	0	0
64	SULFUR COATED UREA	315	0	0	81	0	0
66	UREA	52,397	0	0	45,651	0	0
67	UREA SOLUTION	1,249	0	0	1,575	0	0
203	DIAMMONIUM PHOSPHATE	26	66	0	94	240	0
207	AMMONIUM PHOSPHATE SULFATE	2,671	3,339	0	2,700	3,375	0
209	MONOAMMONIUM PHOSPHATE	5,899	27,887	0	6,996	33,073	0
248	PHOSPHORIC ACID	0	6,800	0	0	8,924	0
249	LIQUID AMMONIUM POLYPHOSPHATE	4,973	16,907	0	5,318	18,080	0
263	SUPERPHOSPHATE, NORMAL	0	1,115	0	0	422	0
267	SUPERPHOSPHATE, TRIPLE	0	221	0	0	385	0
428	MURIATE OF POTASH	0	0	28,273	0	0	23,758
443	SULFATE OF POTASH MAGNESIA	0	0	4,219	0	0	4,550
453	POTASSIUM NITRATE	1,280	0	4,022	2,944	0	9,251
463	POTASSIUM SULFATE	0	0	49,178	0	0	116,493
601	BLOOD MEAL	32	0	0	5	0	0
667	SEWAGE SLUDGE	4,823	1,608	804	16,764	5,588	2,794
723	COPPER - ALL MATERIALS	0	0	0	0	0	0
731	IRON - ALL MATERIALS	0	0	0	0	0	0
732	GYPSUM -ALL MATERIALS	0	0	0	0	0	0
770	SULFUR	0	0	0	0	0	0
774	SULFURIC ACID	0	0	0	0	0	0
797	SECONDARY/MICRONUTRIENTS - ALL OTHER	0	0	0	0	0	0
907	LIMING MATERIALS - ALL MATERIALS	0	0	0	0	0	0
0	TOTAL	684,708	175,643	245,480	619,223	179,291	311,120

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 TONS OF NITROGEN MATERIALS - FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA	UREA SOLUTION	NITROGEN MATERIALS - ALL OTHER
ALAMEDA	0	0	0	0	0	89	3	0	0	18	0	64	0	0	20	0	736
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AMADOR	0	0	0	0	0	0	3	0	6	0	0	2	0	0	40	0	7
BUTTE	0	320	0	0	0	4,575	30	0	100	85	0	3,806	0	0	893	0	514
CALAVERAS	0	0	0	0	0	13	0	0	5	0	0	6	0	0	0	0	2
COLUSA	79	3,011	0	150	0	3,899	53	0	530	427	0	5,192	0	0	1,647	0	564
CONTRA COSTA	954	0	8	0	0	126	213	0	571	22	0	9,500	0	0	9,490	609	1,914
DEL NORTE	772	0	0	0	0	13	0	0	0	0	0	1,834	0	0	402	0	2,603
EL DORADO	0	0	0	0	0	3	0	0	0	3	0	9	0	0	21	0	47
FRESNO	168	31	1,222	274	0	2,970	5,617	0	6,007	834	84	29,952	856	0	1,036	2,464	13,115
GLENN	0	744	0	0	0	1,830	1	0	837	5	0	1,163	0	0	151	0	175
HUMBOLDT	0	0	0	0	0	1	0	0	0	63	0	29	0	0	0	0	181
IMPERIAL	72	0	65	5,945	0	1,827	5	0	1,027	24	348	17,045	258	0	16,202	0	5,239
INYO	0	0	0	0	0	431	0	0	17	10	0	1,034	0	0	206	0	2,813
KERN	422	0	0	25	0	394	2,536	0	1,331	175	0	10,867	428	0	751	3	3,512
KINGS	374	0	0	0	0	85	477	0	347	184	0	6,885	21	0	549	2	773
LAKE	0	0	0	0	0	85	0	0	238	0	0	397	0	0	173	0	380
LASSEN	0	0	0	56	0	6	0	0	0	0	0	76	0	0	284	0	459
LOS ANGELES	0	0	3	0	0	285	9	0	27	64	0	192	8	0	767	12	2,714
MADERA	130	6	0	0	0	159	227	0	2,127	19	0	8,194	0	0	411	256	3,855
MARIN	0	0	0	0	0	13	0	0	0	0	0	5	0	0	2	0	42
MARIPOSA	0	0	0	0	0	2	0	0	0	0	0	155	0	0	29	0	257
MENDOCINO	0	0	4	0	0	0	0	0	12	8	0	5	0	0	8	0	127
MERCED	35	0	42	87	0	1,064	1,253	0	2,211	229	0	7,292	0	0	453	1	2,181
MODOC	0	0	0	33	0	439	143	0	11	1	0	598	0	0	527	2	218
MONO	0	0	0	0	0	198	0	0	0	0	0	130	0	0	5	0	17
MONTEREY	0	0	14	10,731	0	1,886	1,283	0	8,702	564	26	3,954	262	0	857	982	15,251
NAPA	0	0	2	0	0	1	0	0	30	278	0	0	0	0	6	0	1,318
NEVADA	0	0	0	0	0	31	0	0	0	14	0	239	0	0	49	0	69
ORANGE	0	0	26	51	0	178	0	0	331	151	0	8	22	0	428	0	3,252
PLACER	0	26	0	0	0	60	0	0	55	19	0	15	0	0	13	0	482
PLUMAS	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
RIVERSIDE	108	0	0	3,292	0	673	568	3	2,338	750	0	3,416	147	0	917	3	4,586
SACRAMENTO	91	216	0	18	0	384	5	0	389	100	0	1,308	3	0	271	0	1,157
SAN BENITO	0	0	0	4	0	10	0	0	790	20	0	17	0	0	0	0	871
SAN BERNARDINO	0	0	0	0	0	136	0	0	8	196	0	27	0	0	250	0	1,160
SAN DIEGO	46	4	34	2	0	142	0	0	78	681	170	175	1	0	473	0	3,883
SAN FRANCISCO	0	0	0	0	0	63	0	0	0	2	0	13	0	0	1	0	6
SAN JOAQUIN	2	1	391	29	0	813	1,015	0	1,904	531	0	7,532	0	0	1,300	0	1,608
SAN LUIS OBISPO	0	75	0	863	0	269	146	0	443	75	3	507	0	5	50	259	2,797
SAN MATEO	0	0	6	0	0	58	0	1	0	309	0	6	0	0	62	0	441
SANTA BARBARA	0	0	0	2,349	0	378	246	0	1,235	725	1	7,293	18	1	225	748	6,488
SANTA CLARA	0	0	0	0	0	106	54	0	47	93	0	145	14	0	126	0	1,308
SANTA CRUZ	0	0	5	0	0	192	0	1	0	41	0	23	0	0	76	0	1,340
SHASTA	0	0	2	109	0	209	0	0	21	1	0	98	0	0	1,239	0	217
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SISKIYOU	0	0	0	0	0	449	207	0	373	95	0	420	0	0	821	0	433
SOLANO	392	212	0	0	0	892	13	0	35	16	0	784	0	0	256	0	104
SONOMA	0	0	9	76	0	47	0	5	24	254	0	17	13	0	52	0	521
STANISLAUS	1,150	0	0	53	0	3,050	392	0	5,040	89	13	12,923	0	5	1,477	1	3,065
SUTTER	0	3,077	0	164	0	2,733	196	0	611	687	11	2,208	20	0	609	0	2,222
TEHAMA	0	23	0	0	0	98	0	0	73	0	8	610	0	0	135	0	89
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TULARE	274	0	0	0	0	1,165	758	0	524	323	0	7,985	0	0	528	16	11,149
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	0	0	0	1,324	0	38	103	0	1,845	353	0	1,216	14	8	205	32	5,672
YOLO	93	3,053	0	0	0	1,965	249	0	2,466	14	0	3,122	1	0	697	117	1,885
YUBA	0	72	0	0	0	299	26	0	99	4	11	334	0	0	228	0	83
** UNKNOWN **	0	11	0	37	0	113	436	0	95	16	0	537	0	0	82	271	1,016
TOTAL	5,162	10,882	1,833	25,674	0	34,945	16,267	10	42,960	8,572	928	159,364	2,086	19	45,500	5,778	112,926

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 TONS OF PHOSPHOROUS AND POTASSIUM MATERIALS - FARM USE

COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHOROUS MATERIALS - ALL OTHER	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER
ALAMEDA	0	0	0	0	7	0	22	89	2	0	1	2	56
ALPINE	0	0	0	0	0	0	0	0	0	0	0	0	1
AMADOR	0	0	0	0	0	0	0	8	0	0	0	54	13
BUTTE	0	248	321	0	74	0	0	683	623	2,962	7	30,127	257
CALAVERAS	0	0	0	0	0	0	23	6	0	3	0	0	8
COLUSA	0	310	150	53	607	0	0	349	819	18	4	1,936	780
CONTRA COSTA	0	63	4,872	473	2,051	0	2	1,468	219	0	20	1,287	337
DEL NORTE	0	0	982	92	318	0	2	797	1,173	1,207	140	1,800	628
EL DORADO	0	1	7	0	0	0	5	17	0	0	0	6	25
FRESNO	1	647	2,436	939	2,785	0	0	5,690	473	2,261	941	17,410	10,685
GLENN	0	228	313	0	48	0	0	229	0	0	33	6,660	360
HUMBOLDT	0	2	1	0	2	0	1	26	0	39	2	37	36
IMPERIAL	0	0	14,653	836	2,968	0	0	5,711	412	3	28	2,395	1,167
INYO	8	0	190	36	1	0	8	556	28	459	135	422	1,570
KERN	0	0	511	845	1,865	0	0	1,782	1,770	606	231	4,854	5,439
KINGS	0	0	188	619	2,165	0	0	644	249	192	66	10,741	1,088
LAKE	0	32	26	207	57	0	28	161	79	320	9	109	63
LASSEN	0	34	76	0	0	0	0	203	12	68	0	34	110
LOS ANGELES	0	1	20	0	12	0	23	220	56	4	658	423	218
MADERA	0	0	258	122	534	0	0	1,300	851	377	831	2,883	3,436
MARIN	0	0	0	0	0	0	0	9	0	1	0	0	9
MARIPOSA	0	0	0	0	43	0	0	98	0	100	8	89	84
MENDOCINO	0	0	0	0	2	0	0	27	81	0	0	36	71
MERCED	0	0	655	31	357	0	0	2,438	1,977	2,000	690	5,115	2,963
MODOC	0	253	239	28	105	0	0	92	40	94	2	141	98
MONO	0	0	369	1	0	0	0	6	5	26	1	26	6
MONTEREY	0	0	1,809	767	199	0	0	3,497	153	1	387	11,020	5,824
NAPA	0	0	44	0	0	0	30	624	0	0	4	221	1,112
NEVADA	0	0	0	0	0	0	0	63	0	62	1	62	121
ORANGE	0	15	12	0	1	0	45	517	0	9	153	4,433	421
PLACER	0	96	24	0	0	0	0	14	8	0	0	65	7
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	0	11	4,125	1,136	1,278	0	7	1,313	346	323	161	213	401
SACRAMENTO	0	167	97	0	11	0	0	363	316	123	45	2,688	763
SAN BENITO	0	0	0	0	0	0	0	318	0	1	0	89	218
SAN BERNARDINO	0	3	0	0	18	0	9	45	1	1	20	10	20
SAN DIEGO	0	6	197	161	6	0	48	177	7	238	1,640	938	84
SAN FRANCISCO	0	0	0	0	0	0	0	5	0	0	0	1	2
SAN JOAQUIN	0	5	166	0	1,426	0	0	1,669	1,529	330	518	10,878	4,378
SAN LUIS OBISPO	0	2	33	6	75	0	0	299	44	131	254	243	1,127
SAN MATEO	0	0	27	0	0	0	3	90	66	52	115	392	18
SANTA BARBARA	0	1	50	23	67	0	6	3,163	4	689	522	1,988	2,229
SANTA CLARA	0	4	0	1	2	0	35	359	0	16	7	58	545
SANTA CRUZ	0	1	1	5	16	0	4	501	1	6	388	569	401
SHASTA	0	170	116	0	5	0	0	13	28	0	9	72	2
SIERRA	0	4	0	0	0	0	0	0	0	0	0	2	0
SISKIYOU	0	220	378	151	38	0	0	265	81	0	0	448	161
SOLANO	0	834	1,593	1,229	51	0	296	96	360	3	32	1,254	111
SONOMA	0	11	59	0	35	0	34	443	0	5	71	317	200
STANISLAUS	0	108	2,229	15	730	0	0	1,855	7,739	1,281	865	27,115	3,037
SUTTER	0	639	147	0	16	0	1	178	84	9	155	2,686	242
TEHAMA	0	89	96	0	1	0	0	31	83	0	5	2,080	92
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0
TULARE	1	0	317	499	392	0	0	1,126	1,255	1,209	314	16,260	1,303
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	0	273	269	155	127	0	26	1,841	141	806	648	1,074	1,392
YOLO	0	195	446	48	93	0	4	431	324	0	31	6,059	1,140
YUBA	0	224	6	0	0	0	0	27	15	6	18	867	480
** UNKNOWN **	0	0	22	0	210	0	0	888	172	0	1	948	2,612
TOTAL	10	4,897	38,530	8,478	18,798	0	662	42,820	21,626	15,991	10,171	179,437	57,944

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TONS OF AGRICULTURAL MINERALS - FARM USE

COUNTY	COPPER	IRON	GYPSSUM	LIME	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	OTHER SECONDARY/MICROS	
ALAMEDA	0	27	894	23	0	9	0	155	
ALPINE	0	0	0	0	0	0	0	0	
AMADOR	0	0	0	267	0	31	0	10	
BUTTE	0	35	1,582	1,373	0	370	89	668	
CALAVERAS	0	0	797	1	0	35	0	20	
COLUSA	1	0	34,424	3,642	0	157	408	8,082	
CONTRA COSTA	0	17	2,412	650	20	347	0	1,576	
DEL NORTE	0	0	1	1	0	0	0	2,575	
EL DORADO	0	2	0	5	0	40	0	46	
FRESNO	101	265	248,216	7,579	22,705	4,414	2,464	40,080	
GLENN	0	1	8,986	2,424	0	465	0	625	
HUMBOLDT	0	0	4	21	0	2	0	153	
IMPERIAL	0	27	1,116	6,202	826	447	50	1,596	
INYO	3	9	1	45	0	35	3	228	
KERN	225	75	210,639	25,263	66,596	18,206	15,306	25,332	
KINGS	4	7	173,741	10,330	8,283	8,760	36,930	8,410	
LAKE	0	0	751	539	0	0	0	162	
LASSEN	0	0	588	121	0	26	0	65	
LOS ANGELES	1	104	216	25	92	1	546	777	
MADERA	5	3	6,300	701	26,984	1,272	5,764	5,662	
MARIN	0	0	0	0	0	0	0	5	
MARIPOSA	0	0	0	0	0	0	0	33	
MENDOCINO	0	2	267	6	0	10	0	112	
MERCED	0	5	20,940	10,377	6,386	2,786	1,068	8,310	
MODOC	1	0	1,078	529	0	103	5	915	
MONO	0	0	0	0	0	4	0	31	
MONTEREY	35	36	4,059	49,003	0	187	76	3,372	
NAPA	0	0	6,035	525	0	16	0	6,118	
NEVADA	0	1	0	0	0	0	0	72	
ORANGE	0	146	364	169	0	21	0	494	
PLACER	0	2	431	125	0	3	0	53	
PLUMAS	0	0	0	0	0	0	0	0	
RIVERSIDE	1	188	1,163	5	19,886	171	100	1,771	
SACRAMENTO	0	26	6,468	6,092	891	550	812	4,708	
SAN BENITO	0	0	4,137	138	0	1	0	63	
SAN BERNARDINO	0	122	127	23	8,963	69	0	246	
SAN DIEGO	5	81	180	55	0	1	0	605	
SAN FRANCISCO	0	1	14	2	0	0	0	3	
SAN JOAQUIN	8	35	93,688	14,850	0	5,848	337	8,636	
SAN LUIS OBISPO	3	14	1,551	0	0	7	1	1,363	
SAN MATEO	1	94	99	363	0	24	1	222	
SANTA BARBARA	6	30	9,242	8,612	652	463	62	3,522	
SANTA CLARA	1	10	4,190	328	0	5	12	401	
SANTA CRUZ	3	9	3,791	567	0	42	5	1,016	
SHASTA	9	5	637	6,179	0	138	30	229	
SIERRA	0	0	0	0	0	0	0	0	
SISKIYOU	1	0	986	483	0	413	47	1,096	
SOLANO	0	1	8,549	693	25,634	64	0	140	
SONOMA	7	57	7,651	2,216	0	47	0	290	
STANISLAUS	8	43	110,260	26,545	0	5,158	3,382	5,464	
SUTTER	0	0	5,777	99	0	734	0	1,079	
TEHAMA	0	2	6,624	2,026	0	78	0	116	
TRINITY	0	0	0	0	0	0	0	0	
TULARE	51	104	103,590	1,556	639	5,317	7,981	14,669	
TUOLUMNE	0	0	0	44	0	0	0	0	
VENTURA	2	177	673	24	3,043	32	189	2,019	
YOLO	0	1	23,995	428	0	224	113	12,424	
YUBA	0	0	1,246	459	0	22	0	586	
** UNKNOWN **	0	0	2,471	1,438	0	48	8	5,411	
TOTAL	482	1,764	1,120,951	193,171	191,600	57,203	75,789	181,816	

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TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NONFARM

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	788	102	58	948	729	90	40	859	60	11	18	89
ALPINE	1	0	1	2	1	0	1	2	0	0	0	0
AMADOR	27	8	40	75	20	4	34	58	7	4	6	17
BUTTE	3,284	925	16,349	20,558	1,876	786	15,969	18,631	1,408	139	380	1,927
CALAVERAS	8	17	9	33	4	13	3	20	3	4	6	13
COLUSA	4,787	724	2,245	7,756	1,755	216	1,579	3,550	3,032	508	666	4,206
CONTRA COSTA	11,134	4,968	1,126	17,228	5,408	2,748	908	9,064	5,725	2,220	219	8,164
DEL NORTE	4,174	1,466	2,557	8,197	576	827	1,979	3,381	3,598	640	578	4,816
EL DORADO	62	23	28	113	51	13	10	74	11	10	18	39
FRESNO	29,032	9,000	20,812	58,844	9,702	2,836	11,771	24,309	19,329	6,164	9,042	34,535
GLENN	1,373	454	3,705	5,531	577	287	3,500	4,364	796	166	205	1,167
HUMBOLDT	201	28	64	293	178	21	49	248	23	7	15	45
IMPERIAL	22,080	14,808	2,633	39,520	13,875	11,444	2,206	27,524	8,205	3,364	427	11,996
INYO	3,446	682	1,958	6,086	1,018	546	1,865	3,429	2,427	136	93	2,656
KERN	12,665	4,470	9,732	26,867	6,049	2,384	6,177	14,610	6,616	2,086	3,555	12,257
KINGS	4,444	1,978	6,762	13,184	1,079	391	5,810	7,280	3,365	1,586	952	5,904
LAKE	660	325	239	1,224	208	114	205	526	452	211	35	698
LASSEN	640	249	149	1,039	312	187	117	617	328	62	32	422
LOS ANGELES	3,309	247	754	4,311	3,063	234	683	3,980	246	13	71	331
MADERA	9,067	2,221	6,107	17,395	4,176	1,308	3,171	8,655	4,891	913	2,936	8,740
MARIN	47	9	9	65	43	9	9	61	5	0	0	5
MARIPOSA	326	113	154	592	53	59	107	219	273	54	47	374
MENDOCINO	137	28	138	302	124	21	101	246	13	7	37	57
MERCED	6,155	2,722	7,192	16,070	1,855	1,860	5,454	9,169	4,300	863	1,738	6,900
MODOC	848	318	209	1,374	628	260	149	1,037	220	58	60	338
MONO	143	198	28	370	85	192	16	293	59	7	12	77
MONTEREY	21,694	4,834	11,510	38,038	7,382	1,763	8,390	17,535	14,312	3,071	3,120	20,503
NAPA	1,381	671	1,224	3,276	1,341	643	1,107	3,092	39	28	117	184
NEVADA	177	63	166	406	65	28	37	131	111	35	129	275
ORANGE	3,616	547	2,707	6,870	2,975	232	2,364	5,571	641	315	343	1,299
PLACER	541	46	44	631	519	43	39	601	22	3	5	30
PLUMAS	1	0	0	1	1	0	0	1	0	0	0	0
RIVERSIDE	9,391	4,909	1,059	15,359	6,666	3,325	894	10,885	2,725	1,584	164	4,474
SACRAMENTO	2,083	468	2,352	4,904	1,226	258	1,685	3,169	857	211	667	1,735
SAN BENITO	1,017	312	257	1,585	676	177	132	984	341	135	125	601
SAN BERNARDINO	1,886	235	124	2,245	1,846	227	122	2,195	40	8	2	50
SAN DIEGO	4,653	392	1,332	6,377	4,336	297	1,318	5,951	318	95	14	426
SAN FRANCISCO	24	5	3	32	20	5	3	27	4	0	0	4
SAN JOAQUIN	5,687	2,241	11,035	18,963	2,115	1,118	8,378	11,611	3,572	1,123	2,657	7,352
SAN LUIS OBISPO	3,432	345	1,415	5,193	2,098	124	292	2,513	1,334	222	1,124	2,679
SAN MATEO	551	105	205	861	547	105	205	857	4	0	0	4
SANTA BARBARA	10,100	3,236	3,609	16,946	1,703	373	1,366	3,442	8,398	2,863	2,243	13,504
SANTA CLARA	1,467	374	578	2,419	1,326	288	340	1,953	142	86	238	466
SANTA CRUZ	1,487	290	636	2,412	1,260	167	601	2,028	227	123	35	385
SHASTA	930	109	59	1,098	893	107	57	1,057	37	2	2	41
SIERRA	2	1	1	3	1	1	1	2	1	0	0	1
SISKIYOU	1,222	600	434	2,256	923	417	411	1,750	299	183	23	506
SOLANO	2,890	2,421	1,225	6,536	819	1,254	963	3,035	2,071	1,168	262	3,501
SONOMA	645	503	391	1,539	485	392	270	1,148	160	111	120	392
STANISLAUS	10,853	3,292	21,900	36,046	3,078	2,027	20,285	25,390	7,776	1,265	1,615	10,655
SUTTER	2,809	388	1,706	4,903	1,182	367	1,524	3,073	1,627	21	182	1,830
TEHAMA	412	99	1,184	1,695	114	90	1,132	1,336	298	9	52	359
TRINITY	5	0	0	5	0	0	0	0	5	0	0	5
TULARE	14,805	1,707	10,597	27,108	9,913	519	9,368	19,800	4,892	1,188	1,228	7,308
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	10,397	2,219	2,485	15,102	3,715	979	1,309	6,002	6,682	1,240	1,177	9,099
YOLO	4,831	761	4,378	9,970	2,203	572	3,823	6,597	2,628	190	555	3,373
YUBA	435	75	932	1,441	231	30	870	1,131	204	45	61	310
** UNKNOWN **	1,408	971	3,190	5,568	701	815	997	2,513	706	155	2,193	3,055
TOTAL	239,668	78,302	169,795	487,765	113,804	43,590	130,195	287,590	125,863	34,711	39,601	200,175

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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	NONFARM USE DRY PACKAGED	NONFARM USE DRY BULK	NONFARM USE LIQUID	NONFARM USE TOTAL	TOTAL ALL
ALAMEDA	1,164	841	211	2,216	300	736	72	1,108	3,163	1,212	860	5,235	7,451
ALPINE	0	2	0	2	0	0	0	0	1	0	0	1	3
AMADOR	73	313	55	441	6	273	29	308	87	145	1	233	674
BUTTE	1,182	43,059	5,501	49,742	627	3,261	229	4,117	446	0	319	765	50,507
CALAVERAS	840	17	62	919	814	0	39	853	62	1	23	86	1,005
COLUSA	3,622	50,654	13,016	67,292	2,214	42,580	1,920	46,714	6	0	0	6	67,298
CONTRA COSTA	11,123	11,150	16,969	39,242	264	3,337	1,421	5,022	2,090	11,678	293	14,061	53,303
DEL NORTE	3,573	2,636	9,129	15,338	91	454	2,032	2,577	95	0	17	112	15,450
EL DORADO	137	8	92	237	46	0	47	93	174	0	49	223	460
FRESNO	15,163	332,247	87,344	434,754	4,441	305,984	15,419	325,844	2,270	5,568	128	7,966	442,720
GLENN	217	21,604	3,457	25,278	124	12,196	181	12,501	14	102	0	116	25,394
HUMBOLDT	387	122	91	600	61	97	22	180	3,309	266	802	4,377	4,977
IMPERIAL	1,055	50,936	34,503	86,494	445	7,121	2,698	10,264	407	937	0	1,344	87,838
INYO	3,229	1,573	3,699	8,501	133	94	97	324	609	39	4	652	9,153
KERN	6,074	346,535	47,283	399,892	3,608	335,010	23,024	361,642	1,033	4,628	72	5,733	405,625
KINGS	1,856	216,788	53,470	272,114	918	205,188	40,359	246,465	196	268	1	465	272,579
LAKE	1,001	1,481	1,345	3,827	103	1,313	47	1,463	411	107	40	558	4,385
LASSEN	64	1,032	1,122	2,218	4	201	595	800	3	0	1	4	2,222
LOS ANGELES	5,514	802	1,195	7,511	474	592	696	1,762	12,895	34,424	2,770	50,089	57,600
MADERA	2,867	44,285	25,515	72,667	359	38,200	8,132	46,691	494	177	9	680	73,347
MARIN	54	20	12	86	2	0	3	5	794	15,474	34	16,302	16,388
MARIPOSA	119	169	610	898	1	3	29	33	33	0	0	33	931
MENDOCINO	193	442	143	778	58	267	72	397	1,454	65	435	1,954	2,732
MERCED	3,360	55,725	21,217	80,302	1,171	44,028	4,673	49,872	249	474	24	747	81,049
MODOC	57	3,672	1,961	5,690	25	1,625	981	2,631	14	0	2	16	5,706
MONO	30	607	188	825	29	4	2	35	28	0	0	28	853
MONTEREY	9,823	72,824	42,198	124,845	3,031	52,891	926	56,848	751	1	41	793	125,638
NAPA	940	14,937	532	16,409	276	12,106	312	12,694	123	1,084	4	1,211	17,620
NEVADA	118	159	507	784	32	31	10	73	351	328	428	1,107	1,891
ORANGE	5,012	4,612	1,563	11,187	814	375	187	1,376	5,812	3,455	190	9,457	20,644
PLACER	232	1,146	120	1,498	35	572	7	614	2,198	3	154	2,355	3,853
PLUMAS	1	2	0	3	0	0	0	0	0	0	1	1	4
RIVERSIDE	7,476	27,993	14,131	49,600	965	21,691	829	23,485	5,897	21,968	311	28,176	77,776
SACRAMENTO	1,561	21,964	4,537	28,062	297	17,860	1,390	19,547	3,618	1,216	1,621	6,455	34,517
SAN BENITO	970	4,377	1,318	6,665	533	3,774	32	4,339	10	0	1	11	6,676
SAN BERNARDINO	2,018	9,344	93	11,455	327	9,213	10	9,550	10,473	6,001	979	17,453	28,908
SAN DIEGO	8,858	451	873	10,182	908	28	52	988	7,503	2,403	144	10,050	20,232
SAN FRANCISCO	23	74	16	113	5	12	3	20	367	1	141	509	622
SAN JOAQUIN	3,244	133,737	22,446	159,427	859	116,193	6,350	123,402	2,603	733	80	3,416	162,843
SAN LUIS OBISPO	881	4,624	5,140	10,645	54	2,322	563	2,939	305	38	50	393	11,038
SAN MATEO	1,628	532	40	2,200	312	460	32	804	1,973	532	99	2,604	4,804
SANTA BARBARA	2,853	24,322	23,855	51,030	395	21,370	824	22,589	799	1,033	65	1,897	52,927
SANTA CLARA	1,660	5,440	764	7,864	414	4,429	104	4,947	3,596	974	157	4,727	12,591
SANTA CRUZ	1,796	5,878	885	8,559	566	4,407	460	5,433	1,233	91	147	1,471	10,030
SHASTA	344	7,483	1,711	9,538	44	5,600	1,583	7,227	248	859	122	1,229	10,767
SIERRA	0	6	1	7	0	0	0	0	0	0	0	0	7
SISKIYOU	0	6,213	1,353	7,566	0	2,979	47	3,026	12	770	7	789	8,355
SOLANO	413	16,794	26,437	43,644	292	11,141	23,648	35,081	1,397	49	10	1,456	45,100
SONOMA	1,844	10,156	581	12,581	476	9,836	76	10,388	3,051	7,798	1,351	12,200	24,781
STANISLAUS	5,050	186,069	31,973	223,092	1,189	142,307	7,364	150,860	1,116	947	25	2,088	225,180
SUTTER	542	13,720	8,122	22,384	271	6,598	820	7,689	123	165	10	298	22,682
TEHAMA	28	11,448	883	12,359	4	8,818	24	8,846	729	0	4	733	13,092
TRINITY	0	0	5	5	0	0	0	0	2	0	7	9	14
TULARE	5,703	144,414	29,188	179,305	3,366	116,164	14,357	133,907	2,167	2,377	179	4,723	184,028
TUOLUMNE	44	0	0	44	44	0	0	44	70	0	0	70	114
VENTURA	4,688	7,609	11,720	24,017	1,404	3,618	1,137	6,159	3,884	55	85	4,024	28,041
YOLO	724	47,958	10,936	59,618	362	36,317	506	37,185	691	0	12	703	60,321
YUBA	44	4,214	854	5,112	7	2,305	1	2,313	383	10	78	471	5,583
** UNKNOWN **	993	11,236	4,614	16,843	42	8,979	355	9,376	84,346	19	1,140	85,505	102,348
TOTAL	132,465	1,986,456	575,586	2,694,507	33,662	1,624,960	164,828	1,823,450	176,168	128,475	13,527	318,170	3,012,677

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 JANUARY - DECEMBER 2017
 TONS OF NITROGEN MATERIALS - FARM USE

COUNTY	ANHYDROUS AMMONIA	AQUA AMMONIA	AMMONIUM NITRATE	AMMONIUM NITRATE SOLUTION	AMMONIUM POLSULFIDE	AMMONIUM SULFATE	AMMONIUM THIOSULFATE	BLOOD MEAL	CALCIUM AMMONIUM NITRATE	CALCIUM NITRATE	NITROGEN SOLUTION 28%	NITROGEN SOLUTION 32%	SODIUM NITRATE	SULFUR COATED UREA	UREA SOLUTION	UREA SOLUTION OTHER	NITROGEN MATERIALS - ALL
ALAMEDA	0	9	0	0	0	134	43	0	0	33	2	399	0	0	66	0	1,148
ALPINE	0	0	0	0	0	12	0	0	0	0	0	0	0	0	2	0	1
AMADOR	0	0	0	0	0	4	9	0	0	11	0	2	0	43	0	23	
BUTTE	0	28,374	0	54	0	17,351	1,006	0	638	244	0	15,083	0	2,389	1	2,077	
CALAVERAS	0	0	0	0	0	13	14	0	25	0	0	7	0	0	0	4	
COLUSA	554	42,175	0	150	0	6,268	514	0	10,360	613	362	20,595	0	0	3,333	53	2,384
CONTRA COSTA	954	126	8	4	34	166	479	1	1,471	62	0	11,770	0	0	9,675	609	2,332
DEL NORTE	1,845	0	0	0	26	13	0	0	0	51	0	3,950	0	0	578	0	2,607
EL DORADO	0	15	0	0	0	18	0	0	0	7	0	9	0	0	26	0	70
FRESNO	560	948	1,331	1,222	616	4,789	17,513	1	27,414	2,067	151	78,533	1,032	0	4,233	2,523	33,142
GLENN	2	21,503	0	0	0	6,170	69	0	1,844	33	51	7,246	0	0	330	0	2,113
HUMBOLDT	0	0	0	0	0	7	0	1	0	202	0	29	0	0	0	0	488
IMPERIAL	137	0	65	9,386	0	5,431	11	0	3,752	41	972	35,287	339	0	32,408	0	8,268
INYO	0	0	0	0	0	434	0	0	34	17	253	1,128	0	0	210	0	4,913
KERN	985	19	0	130	0	1,235	10,845	0	16,227	713	11	56,911	1,385	0	2,092	36	24,222
KINGS	823	2	0	0	0	159	1,885	0	2,971	1,594	241	25,203	21	0	2,153	9	2,977
LAKE	0	0	0	0	0	142	0	0	421	2	0	1,663	0	0	246	0	454
LASSEN	0	0	0	330	0	69	0	0	0	33	0	106	0	0	1,132	0	468
LOS ANGELES	1	0	3	175	0	1,530	36	0	66	6,007	0	330	8	0	1,375	60	6,671
MADERA	146	25	190	531	0	339	1,401	0	9,321	112	15	25,264	0	0	788	664	8,042
MARIN	0	0	0	0	0	20	3	0	0	0	0	12	0	0	2	0	71
MARIPOSA	0	0	0	0	0	13	22	0	0	0	0	158	0	0	29	0	260
MENDOCINO	0	0	4	0	0	2	0	0	72	102	0	29	0	0	14	0	537
MERCED	84	2	45	828	0	1,959	4,077	0	11,465	763	0	20,269	0	0	1,581	10	10,895
MODOC	0	0	0	234	45	1,310	272	0	23	9	0	853	0	78	2,434	2	1,026
MONO	0	0	0	0	0	901	0	0	0	0	0	133	0	0	147	0	1,523
MONTEREY	0	0	25	23,983	497	3,997	3,202	4	17,183	1,255	35	8,884	476	0	1,636	1,347	34,647
NAPA	0	0	2	0	0	2	0	0	92	385	0	29	0	0	16	0	1,782
NEVADA	0	0	0	0	0	32	0	0	0	14	0	3,444	0	0	49	0	166
ORANGE	0	0	26	51	0	331	57	0	704	325	0	88	50	0	829	0	5,891
PLACER	0	1,111	0	50	0	106	12	0	71	67	0	114	1	0	58	0	1,336
PLUMAS	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
RIVERSIDE	289	0	0	5,661	0	1,621	815	5	6,653	1,198	0	9,580	172	0	1,574	7	9,600
SACRAMENTO	529	1,921	0	18	0	471	20	0	911	1,175	0	3,992	4	0	1,355	0	2,581
SAN BENITO	0	0	0	4	0	36	9	0	1,403	22	0	68	0	0	40	0	1,846
SAN BERNARDINO	0	0	0	0	0	243	38	0	18	444	0	151	0	0	532	3	2,229
SAN DIEGO	59	4	118	98	0	267	14	0	417	1,611	274	313	1	0	775	0	8,957
SAN FRANCISCO	0	326	0	0	0	66	0	0	0	3	0	21	0	0	2	0	7
SAN JOAQUIN	56	48	413	57	0	3,295	2,632	0	12,117	1,633	0	23,673	16	0	4,214	25	8,120
SAN LUIS OBISPO	0	75	0	1,675	0	406	213	0	938	177	6	1,149	0	11	83	342	3,614
SAN MATEO	0	86	17	0	0	93	7	1	0	632	0	23	0	0	155	0	1,043
SANTA BARBARA	0	0	0	4,929	0	731	527	0	2,215	2,018	2	11,625	35	1	414	1,736	10,772
SANTA CLARA	5	0	0	0	0	190	58	0	142	145	0	378	14	0	201	0	2,497
SANTA CRUZ	0	0	10	0	0	205	0	12	0	94	0	31	0	0	158	0	2,336
SHASTA	369	96	2	299	0	833	9	0	30	33	0	168	0	0	3,676	0	349
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SISKIYOU	19	0	1	0	67	1,543	452	0	676	95	0	827	0	117	3,608	0	1,829
SOLANO	878	291	0	0	0	3,089	14	0	414	26	0	3,152	135	0	2,951	0	203
SONOMA	0	0	15	234	0	91	4	14	89	623	0	43	13	0	190	0	1,266
STANISLAUS	1,566	0	0	910	27	9,504	2,109	0	24,786	353	70	41,062	0	5	3,605	2	8,133
SUTTER	0	25,112	0	251	0	7,777	731	0	2,233	1,241	333	8,518	34	0	1,909	0	975
TEHAMA	0	82	0	0	0	4,134	8	0	431	137	8	2,533	0	0	213	0	269
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
TULARE	1,052	0	0	0	0	3,531	3,811	1	5,218	952	22	24,256	71	0	2,306	22	27,195
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	2	0	0	2,397	0	65	224	5	3,865	847	0	1,416	42	10	460	35	9,934
YOLO	267	14,312	0	0	0	3,907	1,341	0	6,025	41	0	14,328	1	0	1,962	117	5,697
YUBA	1	6,276	0	386	0	812	179	0	561	34	278	2,029	29	0	896	0	312
** UNKNOWN **	0	11	0	72	0	379	441	0	156	16	0	1,061	0	0	89	271	1,830
TOTAL	11,183	142,949	2,275	54,121	1,312	96,246	55,126	45	173,463	28,301	3,086	467,925	3,879	224	99,242	7,874	272,144

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 TONS OF PHOSPHOROUS AND POTASSIUM MATERIALS - FARM USE

COUNTY	DIAMMONIUM PHOSPHATE	AMMONIUM PHOSPHATE SULFATE	MONOAMMONIUM PHOSPHATE	PHOSPHORIC ACID	LIQUID AMMONIUM POLYPHOSPHATE	NORMAL SUPERPHOSPHATE	TRIPLE SUPERPHOSPHATE	PHOSPHOROUS MATERIALS - ALL OTHER	MURIATE OF POTASH	SULFATE OF POTASH MAGNESIA	POTASSIUM NITRATE	POTASSIUM SULFATE	POTASSIUM MATERIALS - ALL OTHER
ALAMEDA	0	10	0	0	7	0	41	127	2	0	1	2	137
ALPINE	0	0	3	0	0	0	0	0	6	0	0	0	1
AMADOR	0	0	0	0	0	0	0	23	0	0	0	54	60
BUTTE	0	1,284	2,346	0	2,583	0	0	2,027	4,011	3,035	299	38,809	1,862
CALAVERAS	0	0	0	0	0	0	23	11	0	3	0	0	24
COLUSA	455	2,853	994	53	5,006	0	0	1,976	819	342	208	2,693	3,226
CONTRA COSTA	0	85	4,882	473	2,341	0	0	1,596	254	0	24	1,314	596
DEL NORTE	14	0	982	139	382	0	0	797	1,223	1,237	144	1,808	626
EL DORADO	0	2	7	0	0	0	0	38	0	0	0	12	43
FRESNO	23	672	3,971	1,204	4,344	0	21	14,846	748	3,553	2,412	21,525	27,408
GLENN	0	1,325	2,050	0	68	0	0	1,758	2,136	0	160	9,206	2,932
HUMBOLDT	0	9	1	0	2	0	0	42	0	39	2	37	82
IMPERIAL	0	7	16,833	2,446	4,155	0	0	9,032	848	71	93	2,917	1,942
INYO	8	0	215	36	1	0	0	5,162	29	460	142	427	2,193
KERN	0	329	1,704	1,686	8,693	0	0	10,113	3,416	1,780	951	12,934	25,577
KINGS	0	0	324	2,662	3,281	0	0	1,373	636	192	116	14,162	3,050
LAKE	0	107	27	207	158	0	28	166	79	320	10	157	69
LASSEN	0	79	394	0	0	0	0	203	191	68	0	76	110
LOS ANGELES	0	2	40	2	12	0	26	2,261	57	14	2,961	2,101	727
MADERA	0	0	362	250	1,021	0	0	2,271	995	377	943	3,390	7,888
MARIN	0	0	0	0	0	0	0	11	0	1	0	0	18
MARIPOSA	0	0	0	0	43	0	0	103	0	100	8	89	256
MENDOCINO	0	2	0	0	10	0	0	72	82	12	1	112	142
MERCED	21	9	1,537	49	956	0	0	4,610	2,274	2,207	874	6,868	7,798
MODOC	0	1,265	751	28	210	0	0	92	145	94	2	684	145
MONO	0	0	598	1	316	0	0	326	45	26	1	26	6
MONTEREY	0	126	2,402	1,863	509	0	0	9,723	681	2	602	12,361	10,787
NAPA	0	4	65	0	6	0	39	957	0	3	9	294	1,636
NEVADA	0	0	2	0	267	0	0	93	0	62	1	62	5,541
ORANGE	0	30	46	0	1	0	65	1,030	0	16	252	4,545	911
PLACER	0	156	137	0	0	0	0	41	50	0	0	66	25
PLUMAS	0	0	0	0	0	0	0	0	0	0	0	1	1
RIVERSIDE	0	16	6,342	1,918	4,075	16	13	1,819	1,087	407	485	698	1,000
SACRAMENTO	0	410	292	0	14	0	0	948	369	123	183	2,774	2,263
SAN BENITO	0	0	0	0	0	0	0	679	0	1	0	99	484
SAN BERNARDINO	0	12	5	2	156	0	17	76	1	1	26	11	47
SAN DIEGO	0	16	287	293	11	16	78	550	15	595	1,749	2,828	220
SAN FRANCISCO	0	97	0	0	0	0	0	6	0	0	0	2	3
SAN JOAQUIN	0	13	287	27	3,912	13	4	7,526	1,884	429	700	12,505	10,601
SAN LUIS OBISPO	0	60	43	6	165	0	0	625	114	131	437	482	2,128
SAN MATEO	0	26	239	0	0	0	3	214	92	9	141	359	159
SANTA BARBARA	0	1	194	34	111	0	6	6,244	636	689	794	2,558	4,568
SANTA CLARA	0	8	2	1	2	0	50	656	0	24	18	100	834
SANTA CRUZ	0	1	1	5	21	0	4	919	1	6	560	709	616
SHASTA	0	581	475	0	9	0	0	31	718	0	9	146	15
SIERRA	0	4	0	0	0	0	0	0	0	0	0	2	0
SISKIYOU	0	651	1,022	198	119	56	0	688	1,561	315	1	946	236
SOLANO	0	2,148	4,333	1,229	3,027	1,862	301	219	409	8	91	1,271	226
SONOMA	0	21	91	0	169	0	37	784	0	5	257	506	407
STANISLAUS	0	198	4,580	62	2,113	0	1	4,979	10,082	1,526	1,385	32,980	9,536
SUTTER	0	1,892	1,058	0	850	0	3	969	248	20	820	5,027	718
TEHAMA	0	99	1,912	0	96	0	0	138	102	0	88	4,184	338
TRINITY	0	0	0	0	0	0	0	0	0	0	0	0	0
TULARE	1	0	531	1,206	866	0	0	4,221	2,192	1,524	2,061	17,706	5,136
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	0	494	322	372	141	0	36	3,281	308	823	827	1,842	2,188
YOLO	0	766	730	73	2,365	0	8	1,596	324	0	53	6,311	3,218
YUBA	0	969	160	0	364	0	0	168	554	9	110	1,260	589
** UNKNOWN **	0	0	22	0	210	0	0	1,648	172	0	12	949	3,683
TOTAL	522	16,839	63,601	16,525	53,168	1,918	826	109,864	39,596	20,659	21,023	232,987	155,032

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TONS OF AGRICULTURAL MINERALS - FARM USE

COUNTY	COPPER	IRON	GYPSUM	LIME	SEWAGE SLUDGE	SULFUR	SULFURIC ACID	OTHER SECONDARY/MICROS	
ALAMEDA	0	43	1,068	39	0	513	0	364	
ALPINE	0	0	0	0	0	0	0	1	
AMADOR	0	0	2	267	0	63	0	22	
BUTTE	29	93	2,959	1,735	0	731	108	14,260	
CALAVERAS	0	0	803	1	0	62	0	16,219	
COLUSA	82	2	41,192	3,736	0	1,213	1,146	24,081	
CONTRA COSTA	0	29	2,483	650	20	779	0	28,911	
DEL NORTE	0	0	1	6	0	241	0	60,219	
EL DORADO	0	3	11	628	0	58	0	210	
FRESNO	233	681	361,685	10,347	36,165	12,341	15,162	106,700	
GLENN	13	1	10,720	3,751	0	969	25	1,957	
HUMBOLDT	0	0	6	42	0	130	0	673	
IMPERIAL	0	48	1,846	17,307	826	1,428	79	3,661	
INYO	3	12	1	53	0	35	4	235	
KERN	540	239	365,954	29,485	114,095	24,738	24,801	44,656	
KINGS	16	15	281,937	10,369	8,283	9,838	63,693	11,426	
LAKE	0	1	836	564	0	6,548	0	3,015	
LASSEN	0	0	643	171	0	121	0	6,637	
LOS ANGELES	2	890	521	69	166	28	740	6,901	
MADERA	18	24	10,483	701	27,874	2,057	8,599	23,922	
MARIN	0	2	0	0	0	0	0	38	
MARIPOSA	0	0	0	18	166	0	0	4,769	
MENDOCINO	0	7	307	6	0	7,020	0	1,179	
MERCED	90	17	43,571	11,655	6,421	7,786	1,597	13,707	
MODOC	2	1	1,315	579	0	1,033	27	3,351	
MONO	0	1	0	0	0	11	1	35	
MONTEREY	41	59	4,366	53,561	0	316	148	5,680	
NAPA	0	0	7,329	1,504	0	16	0	7,492	
NEVADA	0	3	3	2	0	0	0	83	
ORANGE	2	291	616	183	0	145	0	1,107	
PLACER	0	3	546	125	0	28	0	178	
PLUMAS	0	0	0	0	0	0	0	0	
RIVERSIDE	2	358	2,035	31	20,428	241	381	3,684	
SACRAMENTO	1	75	7,010	6,288	3,845	995	812	12,958	
SAN BENITO	1	0	4,889	247	0	4	18	229	
SAN BERNARDINO	0	268	2,888	30	11,454	77	0	688	
SAN DIEGO	9	213	1,683	166	192	3	0	1,314	
SAN FRANCISCO	0	1	14	3	0	0	0	12	
SAN JOAQUIN	9	62	102,078	16,761	87	11,487	523	13,779	
SAN LUIS OBISPO	3	28	1,906	1	0	21	2	1,730	
SAN MATEO	10	352	217	443	0	47	1	345	
SANTA BARBARA	8	67	12,330	10,947	652	1,225	99	4,423	
SANTA CLARA	1	18	4,358	350	0	20	16	809	
SANTA CRUZ	5	13	4,164	1,603	0	74	16	1,431	
SHASTA	25	7	719	10,914	0	273	74	906	
SIERRA	0	0	0	0	0	0	0	0	
SISKIYOU	2	2	1,349	674	0	2,100	70	3,731	
SOLANO	0	1	9,041	1,398	42,272	92	0	233	
SONOMA	10	116	10,585	4,427	0	75	0	609	
STANISLAUS	16	162	131,732	28,490	0	13,879	4,088	9,912	
SUTTER	2	0	8,350	101	0	1,067	0	1,921	
TEHAMA	1	60	8,298	2,468	0	665	0	1,255	
TRINITY	0	0	0	5	0	0	0	0	
TULARE	126	202	159,780	2,096	3,074	9,533	14,512	26,464	
TUOLUMNE	0	0	0	146	0	0	0	0	
VENTURA	7	285	1,618	27	3,380	187	331	3,394	
YOLO	0	2	28,120	435	0	1,140	224	23,361	
YUBA	1	1	1,638	459	0	25	0	1,326	
** UNKNOWN **	175	0	2,794	1,438	0	48	8	5,682	
TOTAL	1,485	4,758	1,648,841	237,502	279,400	121,526	137,305	511,885	

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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	NONFARM USE DRY PACKAGED	NONFARM USE DRY BULK	NONFARM USE LIQUID	NONFARM USE TOTAL	TOTAL ALL
ALAMEDA	2,452	934	801	4,187	1,060	793	174	2,027	8,260	1,243	1,971	11,474	15,661
ALPINE	0	26	0	26	0	1	0	1	1	0	0	1	27
AMADOR	94	379	110	583	23	281	50	354	251	145	2	398	981
BUTTE	4,466	85,237	53,687	143,390	1,541	16,915	1,459	19,915	2,329	1	757	3,087	146,477
CALAVERAS	847	16,210	152	17,209	821	16,187	77	17,085	1,333	4	74	1,411	18,620
COLUSA	8,695	80,416	88,277	177,388	5,085	60,497	5,870	71,452	79	0	2	81	177,469
CONTRA COSTA	11,723	38,815	21,798	72,336	467	30,475	1,930	32,872	5,825	12,949	687	19,461	91,797
DEL NORTE	3,632	63,994	9,265	76,891	95	58,340	2,032	60,467	257	0	33	290	77,181
EL DORADO	240	790	135	1,165	82	759	69	910	790	0	121	911	2,076
FRESNO	28,947	529,948	241,253	800,148	8,836	486,145	48,353	543,334	6,972	6,716	280	13,968	814,116
GLENN	608	41,775	34,049	76,432	232	16,612	592	17,436	73	501	0	574	77,006
HUMBOLDT	1,105	575	238	1,918	273	533	45	851	9,938	763	2,633	13,334	15,252
IMPERIAL	2,941	83,187	73,508	159,636	1,578	17,469	6,148	25,195	826	939	0	1,765	161,401
INYO	3,375	6,173	6,465	16,013	150	94	99	343	643	39	4	686	16,699
KERN	19,994	579,329	187,082	786,405	12,080	547,687	44,741	604,508	4,382	5,721	123	10,226	796,631
KINGS	2,834	332,263	114,314	449,411	1,426	314,298	69,853	385,577	582	343	97	1,022	450,433
LAKE	7,713	4,558	2,960	15,231	6,662	4,215	98	10,975	601	107	47	755	15,986
LASSEN	111	9,397	1,323	10,831	9	6,797	766	7,572	119	95	1	215	11,046
LOS ANGELES	26,965	4,687	2,163	33,815	5,350	3,020	947	9,317	30,667	78,829	5,239	114,735	148,550
MADERA	3,836	57,572	76,605	138,013	779	49,934	22,965	73,678	792	219	20	1,031	139,044
MARIN	93	33	52	178	4	12	24	40	1,619	24,202	144	25,965	26,143
MARIPOSA	137	5,255	642	6,034	19	4,905	29	4,953	46	0	0	46	6,080
MENDOCINO	7,544	1,828	340	9,712	7,121	1,306	92	8,519	6,397	494	814	7,705	17,417
MERCED	6,175	88,113	69,093	163,381	2,227	69,071	13,546	84,844	914	474	38	1,426	164,807
MODOC	81	13,541	2,388	16,010	49	5,052	1,207	6,308	16	24	2	42	16,052
MONO	37	1,732	2,328	4,097	30	15	3	48	55	0	0	55	4,152
MONTEREY	13,588	91,924	94,788	200,300	3,792	58,438	2,021	64,251	1,906	38	87	2,031	202,331
NAPA	1,593	18,379	1,735	21,707	530	14,771	1,040	16,341	361	1,129	10	1,500	23,207
NEVADA	237	5,591	3,996	9,824	43	31	17	91	1,192	618	503	2,313	12,137
ORANGE	8,542	5,702	3,288	17,532	1,439	561	526	2,526	15,016	5,680	367	21,063	38,595
PLACER	362	2,466	1,453	4,281	89	778	13	880	7,176	23	558	7,757	12,038
PLUMAS	5	2	0	7	0	0	0	0	42	0	1	43	50
RIVERSIDE	13,220	36,400	32,775	82,395	1,712	23,409	2,239	27,360	15,876	36,288	618	52,782	135,177
SACRAMENTO	3,586	36,237	12,586	52,409	973	29,248	1,835	32,056	10,630	1,421	3,587	15,638	68,047
SAN BENITO	1,663	5,670	2,734	10,067	1,053	4,226	109	5,388	109	0	7	116	10,183
SAN BERNARDINO	4,015	14,919	484	19,418	678	14,645	82	15,405	33,243	15,025	1,997	50,265	69,683
SAN DIEGO	19,955	1,247	1,992	23,194	2,793	725	123	3,641	18,961	5,159	240	24,360	47,554
SAN FRANCISCO	38	172	353	563	12	12	6	30	590	1	234	825	1,388
SAN JOAQUIN	6,838	156,187	75,948	238,973	2,083	128,546	14,157	144,786	13,278	998	164	14,440	253,413
SAN LUIS OBISPO	1,817	5,556	9,218	16,591	122	2,716	873	3,711	1,100	68	138	1,306	17,897
SAN MATEO	3,772	727	215	4,714	836	521	58	1,415	4,370	1,142	142	5,654	10,368
SANTA BARBARA	5,226	34,547	40,810	80,583	708	27,604	1,439	29,751	1,721	1,055	171	2,947	83,530
SANTA CLARA	3,296	6,265	1,333	10,894	849	4,530	193	5,572	9,663	1,069	339	11,071	21,965
SANTA CRUZ	4,903	7,858	1,422	14,183	887	5,796	623	7,306	5,893	111	340	6,344	20,527
SHASTA	630	17,679	2,457	20,766	102	11,074	1,742	12,918	1,149	1,272	269	2,690	23,456
SIERRA	0	6	1	7	0	0	0	0	0	0	0	0	7
SISKIYOU	43	20,643	2,269	22,955	38	7,820	70	7,928	220	2,295	12	2,527	25,482
SOLANO	1,023	27,152	51,139	79,314	646	12,273	40,118	53,037	6,898	195	15	7,108	86,422
SONOMA	4,261	15,131	1,412	20,804	934	14,702	306	15,942	6,507	15,393	2,700	24,600	45,404
STANISLAUS	10,126	232,381	105,345	347,852	3,628	166,791	17,859	188,278	3,997	1,116	94	5,207	353,059
SUTTER	2,037	26,782	43,341	72,160	488	9,414	1,539	11,441	746	287	35	1,068	73,228
TEHAMA	395	23,434	3,690	27,519	28	12,608	111	12,747	2,840	12	12	2,864	30,383
TRINITY	181	3	5	189	5	0	0	5	239	1	11	251	440
TULARE	12,534	215,627	91,507	319,668	6,487	178,773	30,527	215,787	7,206	2,940	455	10,601	330,269
TUOLUMNE	146	0	0	146	146	0	0	146	294	0	1	295	441
VENTURA	9,590	9,793	20,078	39,461	2,686	4,303	2,240	9,229	6,239	57	167	6,463	45,924
YOLO	2,196	68,181	46,347	116,724	1,491	50,441	1,350	53,282	2,863	302	47	3,212	119,936
YUBA	407	8,318	10,701	19,426	124	3,304	22	3,450	700	10	100	810	20,236
** UNKNOWN **	1,292	13,236	6,646	21,174	43	9,478	624	10,145	91,322	113,299	3,093	207,714	228,888
TOTAL	282,162	3,155,023	1,659,096	5,096,281	91,444	2,508,992	343,031	2,943,467	356,114	340,771	29,603	726,488	5,822,769

STATE OF CALIFORNIA - DEPARTMENT OF FOOD AND AGRICULTURE
TONNAGE REPORT OF COMMERCIAL FERTILIZERS AND AGRICULTURAL MINERALS
JANUARY - DECEMBER 2017
TONS OF NUTRIENTS BY FORM - INCLUDES FARM AND NONFARM

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	1,349	150	139	1,638	1,157	127	49	1,333	192	23	90	305
ALPINE	5	2	5	11	5	2	5	11	0	0	0	0
AMADOR	47	23	87	157	38	16	62	116	10	7	25	42
BUTTE	18,362	4,382	24,472	47,216	6,464	3,038	22,677	32,179	11,899	1,344	1,795	15,038
CALAVERAS	15	22	25	61	4	16	6	26	11	6	19	36
COLUSA	23,947	5,003	5,231	34,181	5,305	1,997	2,400	9,701	18,643	3,007	2,831	24,480
CONTRA COSTA	12,998	5,205	1,421	19,623	6,200	2,786	972	9,958	6,797	2,419	450	9,666
DEL NORTE	5,838	1,520	2,599	9,957	2,229	833	2,021	5,083	3,609	687	578	4,874
EL DORADO	94	46	49	188	79	34	29	141	15	12	20	47
FRESNO	73,969	19,922	40,824	134,714	19,112	7,428	17,369	43,909	54,856	12,494	23,455	90,805
GLENN	10,989	3,112	8,887	22,988	2,856	2,520	7,956	13,332	8,133	592	931	9,656
HUMBOLDT	531	45	110	687	508	39	95	642	23	7	15	45
IMPERIAL	40,922	20,537	3,974	65,433	22,994	13,693	3,082	39,768	17,929	6,844	893	25,665
INYO	5,586	5,301	2,588	13,474	1,067	5,160	1,891	8,118	4,519	141	696	5,357
KERN	56,980	17,213	35,948	110,140	12,003	5,229	17,921	35,153	44,977	11,984	18,026	74,987
KINGS	14,661	4,260	10,689	29,610	2,456	606	7,999	11,061	12,205	3,654	2,689	18,548
LAKE	1,238	380	270	1,888	326	134	235	695	913	246	35	1,193
LASSEN	1,164	424	278	1,865	827	362	246	1,434	337	62	32	431
LOS ANGELES	9,128	2,303	3,119	14,549	8,585	2,200	2,988	13,773	543	102	131	776
MADERA	20,709	3,499	10,957	35,164	4,738	1,442	3,849	10,029	15,971	2,057	7,108	25,135
MARIN	80	11	18	110	73	11	9	93	7	0	9	16
MARIPOSA	345	121	328	793	66	62	281	409	279	59	47	384
MENDOCINO	584	76	250	910	536	53	197	787	48	22	53	123
MERCED	22,103	5,579	13,209	40,890	4,605	2,883	7,870	15,359	17,498	2,695	5,338	25,532
MODOC	3,122	822	596	4,540	2,864	737	536	4,137	258	85	60	403
MONO	1,920	745	52	2,717	329	311	40	680	1,591	434	12	2,037
MONTEREY	48,255	12,090	17,555	77,901	15,299	3,559	10,772	29,630	32,956	8,531	6,784	48,271
NAPA	1,890	1,022	1,788	4,699	1,764	903	1,454	4,121	125	119	334	578
NEVADA	1,327	185	5,586	7,097	157	56	5,456	5,669	1,170	129	130	1,428
ORANGE	6,618	1,090	3,298	11,006	5,634	509	2,590	8,732	984	581	708	2,273
PLACER	1,717	143	88	1,949	1,423	122	75	1,620	294	21	13	329
PLUMAS	3	0	2	5	3	0	2	5	0	0	0	0
RIVERSIDE	18,939	7,956	2,511	29,406	12,261	4,852	1,837	18,950	6,677	3,104	674	10,456
SACRAMENTO	6,092	1,264	4,017	11,373	3,081	623	2,047	5,751	3,011	641	1,970	5,622
SAN BENITO	2,137	673	528	3,338	1,293	383	267	1,942	845	290	261	1,396
SAN BERNARDINO	3,357	372	179	3,908	3,206	355	176	3,737	151	17	3	171
SAN DIEGO	10,262	904	2,547	13,713	9,628	700	2,518	12,846	634	204	29	867
SAN FRANCISCO	110	25	4	139	38	25	4	67	72	0	0	72
SAN JOAQUIN	21,689	9,026	18,387	49,103	5,903	1,959	10,629	18,491	15,786	7,067	7,759	30,611
SAN LUIS OBISPO	4,833	719	2,659	8,210	2,659	195	569	3,423	2,174	523	2,090	4,787
SAN MATEO	1,310	345	458	2,113	1,257	344	446	2,046	53	1	12	66
SANTA BARBARA	17,101	6,413	6,732	30,246	3,853	1,166	2,945	7,964	13,248	5,247	3,787	22,282
SANTA CLARA	2,814	680	894	4,388	2,440	590	656	3,686	373	90	238	702
SANTA CRUZ	2,561	709	997	4,267	2,152	450	915	3,517	409	259	82	750
SHASTA	2,809	397	523	3,729	2,417	394	521	3,332	392	3	2	397
SIERRA	2	1	1	3	1	1	1	2	1	0	0	1
SISKIYOU	4,561	1,509	1,715	7,786	4,070	1,223	1,682	6,974	491	287	33	811
SOLANO	7,766	5,988	1,571	15,325	3,153	3,066	1,095	7,314	4,612	2,922	476	8,011
SONOMA	1,617	910	774	3,301	1,332	676	577	2,585	285	234	197	716
STANISLAUS	31,881	8,153	33,020	73,054	7,262	3,835	26,793	37,891	24,619	4,317	6,227	35,163
SUTTER	12,656	2,188	3,746	18,589	3,894	1,351	2,483	7,727	8,762	837	1,263	10,862
TEHAMA	2,407	1,185	2,530	6,122	1,309	1,058	2,388	4,755	1,098	127	142	1,367
TRINITY	8	0	0	8	3	0	0	3	5	0	0	5
TULARE	39,749	5,505	16,577	61,831	13,515	1,493	11,865	26,873	26,234	4,012	4,712	34,958
TUOLUMNE	0	0	0	0	0	0	0	0	0	0	0	0
VENTURA	15,588	3,864	3,852	23,304	6,549	1,352	1,957	9,858	9,039	2,512	1,895	13,446
YOLO	16,706	2,976	6,591	26,273	5,085	995	4,113	10,194	11,621	1,981	2,478	16,080
YUBA	3,306	569	1,602	5,477	898	384	1,434	2,716	2,408	185	168	2,761
** UNKNOWN **	2,468	1,731	4,266	8,465	1,263	1,497	1,329	4,089	1,205	233	2,937	4,376
TOTAL	619,223	179,291	311,120	1,109,634	228,226	85,834	200,379	514,439	390,996	93,457	110,742	595,196