



commercial fertilizers

**CONSUMPTION
IN THE UNITED STATES**

FISCAL YEAR ENDED JUNE 30, 1971

SpCr 7 (5-72)

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CROP REPORTING BOARD

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CONSUMPTION OF COMMERCIAL FERTILIZER IN THE UNITED STATES
For Fiscal Year Ended June 30, 1971 1/

TOTAL FERTILIZER USE UP 4 PERCENT

Fertilizer consumption in the 50 States and Puerto Rico during the year ended June 30, 1971 is placed at 41.2 tons by the Crop Reporting Board. This is an increase of 4 percent from the 1970 fertilizer year and about 200 thousand tons above the October 1971 preliminary report.

Tonnage of all fertilizer used for both farm and nonfarm purposes increased for the eleventh consecutive year. The rate of increase has slowed in recent years with the 1970 fertilizer year barely showing a gain. All regions in the 48 contiguous States showed increases over the previous year except the Middle Atlantic. Illinois continues to be the leader in tons used followed closely by California.

Primary plant nutrient usage (nitrogen, N; phosphoric oxide, P₂O₅; and potassium oxide, K₂O) was 17.2 million tons, up 7 percent from a year earlier. Nitrogen usage rose to 8.2 million tons, up 9 percent; phosphoric acid increased 4 percent to 4.8 million tons; and potassium oxide at 4.2 million tons was up 5 percent.

Mixed fertilizer accounted for 52.4 percent of total fertilizer consumption, continuing the downward trend in the proportion applied in this form. The proportion of primary plant nutrient materials applied directly continued to increase, accounting for 44.6 percent of total use. Secondary and micronutrient materials represented 3.0 of the total.

USE OF MIXED FERTILIZER UP 3 PERCENT

Consumption of mixed fertilizer containing 2 or more primary plant nutrients for the 1970 fertilizer year totaled 21.6 million tons, up 3 percent from 1970.

The average analysis of all mixed fertilizer was 9.59 percent nitrogen, 18.38 percent P₂O₅ and 12.96 percent K₂O. All were above the previous year analysis of 9.25, 17.69 and 12.71. The total analysis of plant nutrients in mixed fertilizer was 40.93 compared with 39.65 a year earlier.

1/ The cooperation of individual State fertilizer control officials and the voluntary reporting of fertilizer manufacturers have made this publication possible.

DIRECT APPLICATION MATERIALS UP 5 PERCENT

The use of all direct application materials totaled 19.6 million tons during the 1971 fertilizer year, up 5 percent. This is the same increase for the second consecutive year. Primary nutrient materials (N, P₂O₅ and K₂O) usage at 18.4 million tons was up 6 percent from the year before. Secondary and Micronutrient materials for direct application totaled 1.2 million tons compared to 1.3 million tons a year earlier.

Nitrogen materials (excluding natural organics) used for direct application came to 12.9 million tons, a 9 percent increase from the 1970 year. Increased use of anhydrous ammonia and nitrogen solutions accounted for most of the gain. Phosphate materials totaled 2.4 million tons, down 4 percent. All potash materials totaled 2.5 million tons, up 4 percent. Tonnages of natural organics used totaled 0.6 million tons, an increase of 11 percent from the previous year.

MICRONUTRIENTS

Data were collected from all known primary producers of selected micronutrients. The tables on page 5 are totals of the individual reports for all firms and are in the elemental forms. There were some changes from the October 1971 preliminary report.

(Fertilizer consumption includes all commercial fertilizer materials or products sold or shipped for both farm and nonfarm use as fertilizer. Materials used in manufacture of registered mixes or for uses other than as fertilizer are excluded from totals.)

To convert phosphoric oxide (P₂O₅) to elemental phosphorus (P), the quantity of P₂O₅ should be multiplied by 0.43642. To convert potassium oxide (K₂O) to elemental potassium (K) multiply by 0.83016.

MICRONUTRIENTS SOLD FOR FERTILIZER IN THE UNITED STATES

Region of application	Quantity of the element sold				
	Copper	Iron	Manganese	Zinc	Molybdenum
Tons					
July 1, 1969 - June 30, 1970					
NEW ENGLAND (Me., N. H., Vt., Mass., R. I., Conn.)	12.5	2.7	19.9	103.3	
MID-ATLANTIC (N. Y., N. J., Pa., Del., D. C., Md., W. Va.)	110.9	234.4	456.1	941.5	2.4
SOUTH ATLANTIC (Va., N. C., S. C., Ga., Fla.)	575.4	1,024.1	5,969.3	4,859.3	10.7
EAST NORTH CENTRAL (Ohio, Ind., Ill., Mich., Wis.)	31.5	248.9	5,420.1	1,552.6	31.7
WEST NORTH CENTRAL (Minn., Iowa, Mo., N. Dak., S. Dak., Nebr., Kans.)	42.7	93.7	857.0	4,171.9	7.3
EAST SOUTH CENTRAL (Ky., Tenn., Ala., Miss.)	8.8	8.1	69.4	993.4	5.1
WEST SOUTH CENTRAL (Ark., La., Okla., Texas)	4.7	80.3	160.3	1,453.2	9.0
MOUNTAIN (Mont., Idaho, Wyo., Colo., N. Mex., Ariz., Utah, Nev.)	5.6	367.5	189.9	1,281.0	.7
PACIFIC (Wash., Oreg., Calif.)	75.9	1,210.2	361.5	1,798.2	1.6
Alaska, Hawaii, Puerto Rico	868.1	3,270.1	13,505.1	17,155.3	68.5
UNITED STATES					
Tons					
July 1, 1970 - June 30, 1971					
NEW ENGLAND (Me., N. H., Vt., Mass., R. I., Conn.)	11.3	5.6	28.4	101.5	
MID-ATLANTIC (N. Y., N. J., Pa., Del., D. C., Md., W. Va.)	78.4	105.5	419.8	691.2	.8
SOUTH ATLANTIC (Va., N. C., S. C., Ga., Fla.)	699.0	417.3	5,048.8	2,422.8	6.1
EAST NORTH CENTRAL (Ohio, Ind., Ill., Mich., Wis.)	35.0	197.9	6,182.3	3,573.2	7.0
WEST NORTH CENTRAL (Minn., Iowa, Mo., N. Dak., S. Dak., Nebr., Kans.)	36.0	163.9	634.1	4,065.1	6.8
EAST SOUTH CENTRAL (Ky., Tenn., Ala., Miss.)	7.3	23.7	67.3	1,414.3	2.6
WEST SOUTH CENTRAL (Ark., La., Okla., Texas)	12.5	193.2	164.3	844.5	12.1
MOUNTAIN (Mont., Idaho, Wyo., Colo., N. Mex., Ariz., Utah, Nev.)	9.4	184.4	245.9	1,318.5	
PACIFIC (Wash., Oreg., Calif.)	65.9	1,145.1	162.7	2,113.0	3.0
Alaska, Hawaii, Puerto Rico	.2	1.3	.2	.4	
UNITED STATES	955.0	2,437.9	12,953.8	16,544.5	38.4

TABLE I. TOTAL FERTILIZER CONSUMED 1/, BY KINDS, YEARS ENDED JUNE 30, 1970 AND 1971
UNITED STATES AND BY REGIONS 2/ 1971

KIND	UNITED STATES		1971			
	1970	1971	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	EAST NORTH CENTRAL
TONS						
MIXTURES						
N-P-K	17,016,627	17,309,734	274,603	1,579,760	4,661,751	3,757,642
N-P	2,389,439	2,746,708	6,405	61,955	30,258	542,986
N-K	346,458	367,365	2,109	2,397	267,107	18,962
P-K	1,208,254	1,155,560	9,519	104,641	307,440	223,463
TOTAL	20,960,778	21,579,367	292,636	1,748,753	5,266,556	4,542,153
NISSON MATERIALS						
ANHYDROUS AMMONIA	3,468,363	3,968,488	387	20,847	67,962	1,043,812
AQUA AMMONIA	701,354	738,149	0	16	1,121	120,303
AMMONIUM NITRATE	2,844,360	2,892,809	6,251	64,776	338,070	229,737
AMMONIUM NITRATE-LIMESTONE	86,848	65,536	0	773	58,930	2
AMMONIUM SULFATE	781,874	901,518	452	13,293	20,169	53,867
CALCIUM CYANAMIDE	6,272	5,394	26	265	357	7
CALCIUM NITRATE	22,946	22,392	23	31	6,773	150
NITROGEN SOLUTIONS	3,242,892	3,482,263	5,409	101,309	882,176	869,866
SODIUM NITRATE	85,531	99,061	294	3,547	67,818	947
UREA	533,535	601,335	7,886	49,714	9,975	93,333
OTHER	124,213	135,291	1,921	5,679	14,440	51,490
TOTAL	11,898,188	12,911,936	22,649	260,250	1,467,791	2,463,514
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	2,001	2,084	21	38	17	39
CASTOR POMACE	903	828	130	15	683	0
COMPOST	7,044	7,864	2,946	0	4,310	95
COTTONSEED MEAL	3,486	9,721	5,513	17	1,601	275
DRIED MANURE	342,493	392,491	8,479	15,184	12,160	18,951
ACTIVATED SEWAGE SLUDGE	107,383	106,468	4,240	7,691	10,557	15,443
OTHER SEWAGE SLUDGE	11,275	16,110	0	5,697	4,204	5,597
TANKAGE	5,335	5,061	2,750	139	1,736	0
OTHER	21,501	20,904	7	3,544	930	1,641
TOTAL	501,421	562,351	23,086	32,325	36,198	42,041
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	644,120	605,157	900	15,307	9,557	7,316
BASIC SLAG	106,613	93,481	0	1,086	12,483	0
RAW AND STEAMED BONEMEAL	5,835	5,535	785	2,038	698	566
PHOSPHORIC SOLUTION	67,372	55,790	0	35	209	11,268
PHOSPHATE ROCK	165,970	119,396	292	971	6,356	45,533
COLLOIDAL PHOSPHATE	4,145	2,626	0	170	348	236
SUPERPHOSPHATE GRADES:						
18 PERCENT	14,341	13,280	0	17	260	1,053
19 PERCENT	2,712	11,102	0	60	328	25
20-22 PERCENT	294,979	251,675	8,484	39,478	29,031	10,322
23-44 PERCENT	45,211	30,876	0	28	1,425	26,067
45 PERCENT	180,680	172,801	30	3,747	9,264	6,395
46 PERCENT	967,560	1,010,026	1,634	20,668	6,639	405,193
47-54 PERCENT	11,115	7,354	0	130	17	2,528
OTHER	11,252	34,832	282	1,656	3,389	5,600
TOTAL	2,521,905	2,413,131	12,407	85,391	80,004	522,102
POTASH MATERIALS						
LIME POTASH	1,507	1,478	0	0	1,473	0
MANURE SALTS	1,196	2,206	0	201	1,055	92
POTASSIUM CHLORIDE	2,172,572	2,268,903	7,664	55,575	52,841	1,155,714
POTASSIUM MAGNESIUM SULFATE	46,723	48,781	162	2,850	10,734	4,915
POTASSIUM NITRATE 4/	9,549	10,041	28	504	7,875	746
POTASSIUM SODIUM NITRATE	67,810	75,916	588	1,237	66,960	1,091
POTASSIUM SULFATE	37,943	35,467	93	906	3,079	1,703
OTHER	72,559	59,221	0	574	2,993	19,824
TOTAL	2,409,859	2,501,313	8,535	61,847	147,010	1,184,085
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	399	227	0	155	30	0
BORON COMPOUNDS 5/	3,548	3,356	105	218	1,014	150
CALCIUM SULFATE (GYPSUM)	1,151,555	1,075,330	55	6,915	159,978	2,940
COPPER COMPOUNDS 5/	1,891	1,675	0	40	392	22
IRON COMPOUNDS 5/	19,822	21,889	20	29	323	58
MAGNESIUM COMPOUNDS 5/	2,015	2,191	8	107	244	467
MANGANESE COMPOUNDS 5/	10,807	3,123	1	491	389	785
SULFUR 5/	29,461	34,730	1	13	284	193
SULFURIC ACID	5,409	1,707	5	0	65	0
ZINC COMPOUNDS 5/	18,465	25,042	0	12	536	511
OTHER	53,114	47,347	25	1,504	2,050	1,067
TOTAL	1,296,486	1,216,587	220	9,484	165,305	6,193
TOTAL ALL FERTILIZERS	39,588,637	41,184,685	359,533	2,198,050	7,162,864	8,760,088

SEE FOOTNOTES ON PAGE 7.

TABLE I. TOTAL FERTILIZER CONSUMED 1/, BY KINDS, YEARS ENDED JUNE 30, 1970 AND 1971
UNITED STATES AND BY REGIONS 2/ 1971

KIND	1971						
	WEST CENTRAL	NORTH CENTRAL	EAST CENTRAL	SOUTH CENTRAL	MOUNTAIN	PACIFIC	ALASKA HAWAII PUERTO RICO
TONS							
MIXTURES							
N-P-K	2,557,343	1,918,462	1,663,297	107,690	627,909	161,277	
N-P	1,201,250	50,064	344,126	284,735	217,708	8,121	
N-K	6,475	3,024	4,327	3	1,071	61,890	
P-K	204,619	160,409	143,999	50	1,161	259	
TOTAL	3,969,687	2,131,959	2,155,749	392,478	847,849	231,547	
NITROGEN MATERIALS							
ANHYDROUS AMMONIA	1,809,764	103,490	522,598	164,698	234,705	225	
AQUA AMMONIA	87,206	151	33,387	22,599	423,629	49,738	
AMMONIUM NITRATE	867,849	543,572	539,753	182,852	118,282	1,667	
AMMONIUM NITRATE-LIMESTONE	96	1,748	0	2,843	769	375	
AMMONIUM SULFATE	17,470	5,128	181,390	141,087	462,674	5,988	
CALCIUM CYANAMIDE	0	156	0	0	4,272	11	
CALCIUM NITRATE	4	0	0	3,067	12,333	11	
NITROGEN SOLUTIONS	832,584	214,701	263,092	119,859	192,649	618	
SODIUM NITRATE	355	19,793	5,812	82	363	50	
UREA	72,381	37,682	157,266	47,847	108,938	16,313	
OTHER	4,559	5,307	1,416	20,306	29,715	458	
TOTAL	3,692,268	931,727	1,704,714	705,240	1,588,329	75,454	
NATURAL ORGANIC MATERIALS							
DRIED BLOOD	6	0	0	1	1,910	52	
CASTOR POMACE	0	0	0	0	0	0	
COMPOST	0	0	0	0	1,513	0	
COTTONSEED MEAL	386	250	1,522	0	157	0	
DRIED MANURE	676	1,365	377	21,629	313,596	74	
ACTIVATE SEWAGE SLUDGE	2,994	2,254	1,833	1,442	59,979	55	
OTHER SEWAGE SLUDGE	0	113	0	183	259	57	
TANKAGE	24	975	0	0	222	15	
OTHER	5,876	0	5,589	101	3,172	44	
TOTAL	9,962	4,957	9,321	23,356	380,808	297	
PHOSPHATE MATERIALS							
AMMONIUM PHOSPHATE 3/	57,177	773	120,046	168,348	222,084	3,649	
BASIC SLAG	0	68,873	1,077	27	0	9,935	
RAW AND STEAMED BONEMEAL	17	10	54	22	1,210	135	
PHOSPHORIC SOLUTION	569	270	3,409	17,345	22,685	0	
PHOSPHATE ROCK	56,402	174	6,028	501	2,687	452	
COLLOIDAL PHOSPHATE	853	1,019	0	0	0	0	
SUPERPHOSPHATE GRADES:							
18 PERCENT	260	197	0	145	11,348	0	
19 PERCENT	19	9,573	0	913	184	0	
20-22 PERCENT	30,946	26,843	15,209	6,853	83,961	548	
23-44 PERCENT	1,614	0	490	199	253	0	
45 PERCENT	47,990	126	677	80,405	24,067	100	
46 PERCENT	427,662	60,427	57,182	24,573	2,143	3,905	
47-54 PERCENT	1,251	1,670	1,758	0	0	0	
OTHER	11,417	5,541	5	5,728	314	900	
TOTAL	636,177	175,496	205,935	305,059	370,936	19,624	
POTASH MATERIALS							
LIME POTASH	5	0	0	0	0	0	
MANURE SALTS	858	0	0	0	0	0	
POTASSIUM CHLORIDE	783,654	90,917	54,166	20,045	43,060	5,267	
POTASSIUM MAGNESIUM SULFATE	15,379	2,272	6,034	3,381	1,981	373	
POTASSIUM NITRATE 4/	50	255	67	6	297	213	
POTASSIUM SODIUM NITRATE	75	5,780	185	0	0	0	
POTASSIUM SULFATE	106	9,698	117	3,516	13,838	2,411	
OTHER	164	4,218	27,706	150	92	3,500	
TOTAL	800,291	113,140	88,275	27,098	59,268	11,764	
SECONDARY AND MICRONUTRIENT MATERIALS							
ALUMINUM COMPOUNDS 5/	0	0	0	0	42	0	
BORON COMPOUNDS 5/	312	174	13	135	1,186	49	
CALCIUM SULFATE (GYPSUM)	1,296	236	1,205	11,889	890,801	15	
COPPER COMPOUNDS 5/	27	0	0	43	1,130	21	
IRON COMPOUNDS 5/	126	1	1	2,030	17,943	1,359	
MAGNESIUM COMPOUNDS 5/	280	0	0	238	641	206	
MANGANESE COMPOUNDS 5/	154	2	1	336	901	63	
SULFUR 5/	739	5	2	16,277	17,170	16	
SULFURIC ACID	8	200	0	954	475	0	
ZINC COMPOUNDS 5/	8,215	668	197	5,793	8,633	477	
OTHER	5,251	150	47	7,163	30,087	3	
TOTAL	16,408	1,435	1,466	44,858	969,009	2,209	
TOTAL ALL FERTILIZERS	9,124,793	3,358,714	4,165,460	1,498,089	4,216,199	340,895	

1/ EXCLUDES LIMING MATERIALS AND ALL MATERIALS USED IN MAKING MIXTURES.

2/ STATES THAT ARE INCLUDED IN EACH REGION ARE DETAILED IN TABLE 2.

3/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

4/ ADDITIONAL QUANTITIES MAY HAVE BEEN REPORTED BY GRADE UNDER MIXTURES; SEE TABLE 13.

5/ REPORTED FOR USE PRIMARILY AS DIRECT APPLICATION MATERIAL.

TABLE 2.--TOTAL FERTILIZER 1/ CONSUMPTION BY KIND OF FERTILIZER, BY STATES,
YEARS ENDED JUNE 30, 1970, AND 1971

STATE AND DIVISION	DIRECT-APPLICATION MATERIAL 2/						TOTAL		
	MIXTURES		PRIMARY NUTRIENT		SECONDARY AND MICRO-NUTRIENT		1970	1971	1971 AS PERCENT OF 1970
	1970	1971	1970	1971	1970	1971			
T O T A L S									
MAIN	137,448	128,595	6,473	7,730	3	21	143,924	136,346	95
N H	14,769	16,682	3,327	2,981	36	10	18,132	19,673	108
V T	43,519	45,018	10,172	10,320	51	40	53,742	55,378	103
M ASS	52,953	47,774	16,580	23,298	63	51	69,596	71,123	102
R I	13,731	13,638	2,846	3,330	10	9	16,587	16,977	102
CONN	45,183	40,929	11,966	19,018	30	89	57,179	60,036	105
N E	307,603	292,636	51,364	66,677	193	220	359,160	359,533	100
N Y	522,938	542,774	89,725	97,489	569	513	613,232	640,776	104
N J	178,474	190,043	30,282	35,559	491	677	200,247	226,279	108
P A	546,481	561,800	124,572	136,198	8,644	7,620	679,697	705,618	104
D E L	90,185	85,396	25,213	31,173	333	460	115,731	117,029	101
M D	273,214	318,723	80,346	113,833	26	100	353,586	432,656	122
D C	7,862	7,925	733	651	0	0	8,595	8,576	100
W V A	46,252	42,092	24,839	24,910	31	114	71,122	67,116	94
M A	1,665,406	1,748,753	375,710	439,813	10,094	9,484	2,051,210	2,198,050	107
V A	593,698	616,645	200,853	178,562	31,322	28,497	825,873	823,704	100
N C	1,296,631	1,275,033	443,295	484,737	45,696	65,877	1,785,622	1,825,647	102
S C	620,970	617,724	230,036	237,466	4,619	4,487	855,625	859,677	100
G A	1,269,254	1,310,053	515,981	545,850	60,468	59,866	1,845,703	1,915,769	104
F L A	1,599,773	1,447,101	286,511	284,388	6,080	6,578	1,892,364	1,738,067	92
S A	5,380,326	5,266,556	1,676,676	1,731,003	148,185	165,305	7,205,187	7,162,864	99
O H I O	920,888	973,780	482,789	604,972	735	305	1,404,412	1,579,057	112
I N D	1,145,735	1,188,394	826,343	862,096	1,355	1,239	1,973,433	2,051,729	104
I L L	1,313,631	1,279,251	1,827,160	1,918,396	937	2,110	3,141,728	3,199,757	102
M I C H	600,654	688,854	267,002	337,347	1,998	1,483	869,654	1,027,684	118
W I S	384,846	411,874	461,579	488,931	294	1,056	845,719	901,861	107
E N C	4,365,754	4,542,153	3,864,873	4,211,742	5,319	6,193	8,235,946	8,760,088	106
M I N N	640,334	784,118	665,296	964,493	1,251	2,377	1,306,881	1,750,988	134
I O W A	1,054,859	1,023,268	1,577,739	1,622,768	14,839	5,508	2,647,437	2,651,544	100
M O	1,028,533	1,041,170	459,178	449,933	457	537	1,488,168	1,491,640	100
N D A K	201,072	186,433	154,138	145,217	26	53	355,236	331,703	93
S D A K	94,375	116,350	198,034	196,000	30	63	292,439	312,413	107
N F B R	307,987	372,735	928,370	973,916	6,453	5,452	1,242,810	1,352,103	109
K A N S	422,309	445,613	806,718	786,371	2,589	2,418	1,231,916	1,234,402	100
W N C	3,749,469	3,969,687	4,788,773	5,138,698	25,645	16,428	8,563,887	9,124,793	107
K Y	476,522	542,039	287,306	287,499	208	257	764,236	829,795	109
T E N N	534,450	516,897	215,229	228,181	768	894	750,447	745,972	99
A L A	711,304	707,287	321,175	328,723	553	264	1,333,032	1,036,274	100
M I S S	379,562	365,736	367,081	380,917	6	20	739,649	746,673	101
E S C	2,101,838	2,131,959	1,183,791	1,225,320	1,535	1,435	3,287,164	3,358,714	102
A R K	337,792	359,294	234,789	238,101	116	148	572,697	597,543	104
L A	318,689	330,884	236,585	284,609	7	2	555,281	615,495	111
O K L A	274,108	280,142	352,175	351,434	21	9	626,304	631,585	101
T E X	1,122,599	1,185,429	1,128,209	1,134,101	997	1,307	2,251,805	2,320,837	103
W S C	2,053,188	2,155,749	1,951,758	2,008,245	1,141	1,466	4,006,087	4,165,460	104
M O N T	77,650	99,057	109,269	102,941	532	949	186,451	202,947	109
I O A H O	70,888	69,926	332,316	345,325	20,004	23,669	423,208	438,920	104
W Y O	18,179	25,543	52,962	44,678	945	939	72,086	71,160	99
C O L O	88,813	88,143	174,509	197,123	5,045	5,063	268,467	290,329	108
N M X	27,237	33,573	68,528	67,567	55	12	95,820	101,152	106
A R I Z	42,833	44,843	223,720	229,707	13,954	12,189	280,507	286,739	102
U T A H	26,929	28,114	62,627	61,392	866	338	96,422	89,844	99
N E V	3/ 3,675	3,279	13,651	12,020	1,895	1,699	3/16,221	16,998	105
M O U N T	356,204	392,478	1,033,682	1,060,753	43,296	44,858	1,433,182	1,498,089	105
W A S H	126,243	127,779	398,224	444,606	17,178	13,723	541,645	586,108	108
O R E	74,190	78,111	331,902	354,793	11,940	11,225	418,032	444,129	106
C A L I F	537,044	641,959	1,571,716	1,599,942	1,029,182	944,061	3,137,942	3,185,962	102
P A C	737,477	847,849	2,301,842	2,399,341	1,158,300	969,709	4,797,619	4,216,199	103
4 8 S T									
E D C	20,717,265	21,347,820	17,228,469	18,281,592	1,293,708	1,214,378	39,239,642	40,843,790	104
A L A S	3,200	2,812	1,6C3	1,738	5	3	4,808	4,553	95
H A W	97,713	103,581	88,794	94,078	2,755	2,199	189,262	199,858	106
P R	3/142,600	125,154	12,507	11,323	18	7	3/155,125	136,484	98
U S	20,960,778	21,579,367	17,331,373	18,388,731	1,296,486	1,216,587	39,588,637	41,184,685	104

1/ EXCLUDES LIMING MATERIALS. 2/ EXCLUDES MATERIALS USED IN COMMERCIAL MIXTURES. 3/ REVISED.

TABLE 3. TOTAL FERTILIZER CONSUMED AS MIXTURES AND DIRECT APPLICATION MATERIALS 1/
BY STATES, SEMI-ANNUALLY, YEAR ENDED JUNE 30

STATE AND DIVISION	MIXTURES			MATERIALS 2/			TOTAL MIXTURES AND MATERIALS JUL 1 1970 TO JUN 30 1971
	JUL 1 TO DEC 31 1970	JAN 1 TO JUN 30 1971	TOTAL	JUL 1 TO DEC 31 1970	JAN 1 TO JUN 30 1971	TOTAL	
IONS							
MAINE	13,502	115,093	128,595	964	6,782	7,751	136,346
N H	3,120	13,562	16,682	1,031	1,961	2,991	19,673
VT	6,077	38,941	45,018	2,497	7,863	10,360	55,378
MASS	12,631	35,143	47,774	9,549	13,800	23,349	71,123
R I	2,113	11,525	13,638	871	2,468	3,339	16,977
CONN	7,163	33,766	41,929	3,668	15,439	19,197	60,036
N ENG	44,606	248,030	292,636	18,584	49,313	66,897	359,533
N Y	128,637	414,137	542,774	28,323	69,679	98,032	640,776
N J	42,731	147,312	190,043	11,244	24,992	36,236	226,279
PA	139,324	422,476	561,801	37,456	106,362	143,818	705,618
DEL	9,798	75,598	85,396	5,455	26,167	31,633	117,029
MD	96,103	222,620	318,723	34,651	79,282	113,933	432,656
D C	2,338	5,587	7,925	186	465	651	8,576
W VA	8,730	33,362	42,092	8,398	16,626	25,924	67,116
M ATL	427,661	1,321,092	1,748,753	125,724	323,573	449,297	2,198,050
VA	118,396	498,249	616,645	44,932	162,127	207,059	823,704
N C	186,155	1,088,878	1,275,033	89,199	461,415	550,614	1,825,647
S C	93,276	524,448	617,724	39,922	222,131	241,953	859,677
GA	292,180	1,017,873	1,310,053	138,701	467,015	605,716	1,915,769
FLA	594,759	852,342	1,447,101	102,129	188,837	290,966	1,738,067
S ATL	1,284,766	3,981,790	5,266,556	414,883	1,481,425	1,896,308	7,162,864
DH10	265,842	707,938	973,780	171,585	433,692	605,277	1,579,057
IND	141,419	1,046,975	1,188,394	175,257	688,078	863,335	2,051,729
ILL	428,169	851,082	1,279,251	708,553	1,211,948	1,920,506	3,199,757
MICH	159,985	528,869	688,854	91,468	248,362	338,830	1,027,684
WIS	112,894	298,980	411,874	181,070	308,917	489,987	901,861
E N C	1,108,309	3,433,844	4,542,153	1,326,938	2,899,997	4,217,935	8,760,088
MINN	207,007	577,111	784,118	321,831	646,039	966,870	1,750,988
IOWA	359,811	663,457	1,023,268	552,316	1,075,961	1,628,276	2,651,544
MO	265,633	775,537	1,041,170	104,172	346,298	450,470	1,491,640
N DAK	46,179	140,254	186,433	51,446	93,824	145,270	331,703
S OAK	32,023	84,327	116,350	61,304	134,755	196,363	312,413
NEBR	89,903	282,832	372,735	229,194	750,174	979,368	1,352,103
KANS	223,252	222,361	445,613	243,736	545,953	788,789	1,234,402
W N C	1,223,808	2,745,879	3,969,687	1,562,999	3,592,107	5,155,106	9,124,793
KY	98,109	443,930	542,039	82,011	205,746	287,756	829,795
TENN	138,528	378,360	516,897	68,493	167,582	229,075	745,972
ALA	161,969	545,318	707,287	238,187	90,801	328,987	1,036,274
MISS	71,319	294,417	365,736	123,805	257,132	380,937	746,673
E S C	469,925	1,662,334	2,131,959	512,495	714,261	1,226,755	3,358,714
ARK	54,613	304,681	359,294	59,803	178,440	238,245	597,543
LA	70,147	260,737	337,884	75,707	206,934	284,611	615,495
OKLA	170,825	109,317	280,142	154,227	197,216	351,443	631,585
TEX	403,015	782,414	1,185,429	428,908	706,500	1,135,418	2,320,837
W S C	698,600	1,457,149	2,155,749	718,642	1,291,069	2,009,711	4,165,460
MONT	40,019	59,388	99,057	37,644	66,246	103,890	202,947
IDAH0	16,836	53,090	69,926	134,741	234,253	368,994	438,920
WYO	6,528	19,015	25,543	11,639	33,978	45,617	71,160
COLD	19,603	68,540	88,143	57,690	144,496	202,186	290,329
N MEX	9,615	23,958	33,573	19,591	47,988	67,579	101,152
ARIZ	17,730	27,113	44,843	57,665	144,231	241,896	286,739
UTAH	9,418	18,696	29,114	21,297	46,433	61,730	89,844
NEV	925	2,354	3,279	3,869	9,850	13,719	16,598
MOUNT	120,674	271,804	392,478	384,136	721,475	1,105,611	1,498,089
WASH	30,615	97,164	127,779	150,915	307,414	458,329	586,108
OPEG	28,511	49,600	78,111	102,224	263,794	366,018	444,129
CALIF	234,315	407,644	641,959	1,184,023	1,359,980	2,544,763	3,185,962
PAC	293,441	554,408	847,849	1,437,162	1,931,188	3,368,350	4,216,199
48 ST & D C	5,671,790	15,676,030	21,347,820	6,501,563	12,994,407	19,405,970	40,843,790
ALAS	34	2,778	2,812	229	1,512	1,741	4,553
HAW	56,806	46,775	103,581	52,703	43,574	96,277	199,858
P R	56,945	68,209	125,154	3,864	7,466	11,330	136,484
U S	5,785,575	15,793,792	21,579,367	6,558,359	13,046,959	19,605,318	41,184,685

1/ EXCLUDES LIMING MATERIALS.

2/ INCLUDES PRIMARY NUTRIENT MATERIALS (N, P O, K O) AND SECONDARY/MICRONUTRIENT MATERIALS FOR DIRECT APPLICATION

TABLE 4.--NITROGEN MATERIALS: CONSUMPTION BY DIRECT APPLICATION, BY STATES,
YEARS ENDED JUNE 30, 1970, AND 1971

STATE AND DIVISION	AMMONIA				AMMONIUM			
	ANHYDROUS 1970	1971	AQUA 1970	1971	NITRATE 1970	1971	SULPHATE 1970	1971
- - - - TONS - - -								
MAIN	0	0	0	0	2,164	2,273	38	93
N H	0	229	0	0	232	123	57	7
VT	54	146	0	0	1,672	1,401	3	4
MASS	0	0	0	0	1,868	1,769	296	328
R I	0	0	0	0	157	50	0	0
CONN	2	12	0	0	870	635	20	20
N F	56	387	0	0	6,963	6,251	414	452
N Y	3,748	4,789	17	2	14,288	14,717	1,241	856
N J	684	602	0	14	7,408	8,519	294	1,697
PA	2,638	2,957	0	0	24,889	27,067	2,194	6,969
DEL	1,525	2,006	0	0	3,036	2,468	20	1,584
MD	6,046	16,410	0	0	7,463	6,584	356	1,768
D C	0	0	0	0	75	65	5	4
W V A	100	83	0	0	5,148	5,356	139	415
W A	14,741	24,847	17	16	62,307	64,776	4,249	13,293
VA	256	216	0	595	25,270	14,976	312	3,601
N C	12,388	13,074	0	0	41,157	47,569	510	2,903
S C	6,152	4,102	0	444	22,821	31,478	195	743
GA	48,225	44,875	0	41	154,577	174,386	783	3,459
FLA	7,587	5,695	24	41	66,480	69,661	5,335	9,463
S A	74,608	67,962	24	1,121	310,305	338,070	7,135	20,169
OHIO	95,019	126,880	7,183	6,385	45,371	49,099	14,069	22,657
IND	164,796	242,565	18,656	10,627	31,420	11,928	3,657	5,503
ILL	402,773	538,132	85,412	85,083	104,751	103,386	25,579	19,402
MICH	61,745	84,458	4,992	58	29,545	30,904	1,819	3,340
WIS	50,635	51,777	17,503	18,150	37,056	34,420	1,872	2,965
E N C	774,968	1,043,812	133,746	120,303	248,143	229,737	46,996	53,867
MINN	200,231	296,636	12,754	26,739	72,154	121,889	4,621	5,445
IOWA	521,588	556,799	71,005	44,220	133,119	168,515	1,552	3,459
MO	144,066	169,272	1,353	1,299	102,873	94,791	212	0
N DAK	9,151	11,833	0	0	63,077	64,727	1,292	3,439
S DAK	28,019	31,724	3,026	6,401	74,603	85,178	209	359
NEBR	407,127	437,923	12,562	8,392	130,193	141,395	5,248	3,790
KANS	293,463	305,577	941	356	205,756	191,354	794	978
W N C	1,603,645	1,809,764	101,641	87,206	781,775	867,849	13,928	17,470
KY	23,144	26,451	0	0	103,601	97,321	1,625	2,302
TENN	14,466	14,239	270	0	96,329	95,831	98	686
ALA	15,648	16,042	0	0	165,361	172,016	2,563	2,058
MISS	38,546	46,758	0	150	189,644	178,404	104	82
E S C	91,802	103,490	270	150	551,955	543,572	4,390	5,128
ARK	11,031	11,688	18	69	83,019	74,857	5,471	7,007
LA	34,386	45,748	2,418	2,057	104,989	113,137	19,912	31,201
OKLA	62,158	75,342	2	7	159,525	148,321	891	2,188
TFX	414,927	389,820	26,351	31,254	246,726	203,438	99,185	140,994
W S C	522,502	522,598	28,789	33,387	594,259	539,753	125,459	181,390
MONT	2,390	1,705	341	125	26,951	35,988	2,232	1,794
IDAHO	24,654	31,596	6,195	9,655	51,092	44,377	92,789	95,464
W YD	1,275	1,229	0	423	25,341	21,303	1,505	1,602
C O L D	48,278	48,763	505	468	43,180	54,752	13,054	12,868
N MEX	20,098	20,007	619	181	2,723	2,952	3,574	5,887
ARIZ	59,861	55,955	11,875	11,632	10,711	11,149	10,053	11,350
UTAH	3,550	4,111	85	115	10,730	12,060	9,100	8,510
NEV	1,258	1,332	0	0	672	271	1,121	3,612
MOUNT	161,364	164,698	19,620	22,599	171,400	182,852	133,428	141,087
WASH	66,337	74,067	87,751	98,650	42,404	45,434	38,885	33,693
ORE	10,971	15,129	34,256	32,785	11,905	16,255	86,363	101,231
CALIF	146,984	145,509	259,823	292,194	61,433	56,593	314,629	327,750
PAC	224,292	234,705	381,830	423,629	115,742	118,282	439,877	462,674
48 ST+DC	3,467,978	3,968,263	665,937	688,411	2,842,849	2,891,142	775,876	895,530
ALAS	375	225	0	0	427	712	250	210
HAW	10	0	31,542	45,771	1,084	955	2,380	2,743
P R	0	0	3,875	3,967	0	0	3,368	3,035
U S	3,468,363	3,968,488	701,354	738,149	2,844,360	2,892,609	781,874	901,518

TABLE 4--NITROGEN MATERIALS: CONSUMPTION BY DIRECT APPLICATION, BY STATES,
YEARS ENDED JUNE 30, 1970, AND 1971--CONTINUED

STATE AND DIVISION	NITROGEN SOLUTION		SODIUM NITRATE		UREA		AMMONIUM NITRATE LIMESTONE	
	1970	1971	1970	1971	1970	1971	1970	1971
- - - - TONS - - -								
MAINE	375	783	23	0	1,267	1,971	0	0
N H	352	252	51	4	336	165	0	0
VT	2,521	3,079	0	3	361	557	0	0
MASS	240	155	116	209	1,331	1,811	0	0
R I	13	20	8	0	288	528	0	0
CONN	1,025	1,120	123	78	706	2,854	0	0
N E	4,526	5,409	321	294	4,289	7,886	0	0
N Y	22,228	22,583	1,082	1,023	11,003	11,869	251	100
N J	1,992	3,701	793	824	2,137	3,421	370	673
PA	17,154	15,246	689	544	25,405	26,308	32	0
DEL	11,185	13,454	24	17	396	599	0	0
M D	26,853	42,804	776	742	4,320	6,782	27	0
D C	9	0	82	75	45	35	0	0
W V A	3,491	3,521	379	322	672	700	0	0
M A	82,912	101,309	3,825	3,547	43,978	49,714	680	773
VA	90,189	103,026	3,914	4,823	3,146	2,467	6,779	5,476
N C	275,483	308,248	30,642	32,360	2,840	2,824	34,389	28,775
S C	148,490	140,925	10,464	14,673	2,015	702	22,155	17,463
GA	254,434	269,959	7,219	9,858	571	851	8,962	2,433
FLA	60,905	60,018	7,070	6,104	2,096	3,131	5,279	4,783
S A	829,501	882,176	59,309	67,818	10,668	9,975	77,564	58,930
OHIO	111,106	148,140	216	256	30,275	36,428	0	0
IND	299,590	301,321	51	18	12,213	13,707	0	2
ILL	246,996	279,351	0	260	9,430	12,375	0	0
MICH	40,402	64,402	379	412	21,623	26,744	0	0
WIS	71,168	76,652	0	1	2,762	4,079	0	0
E N C	769,262	869,866	646	947	76,303	93,333	0	2
MINN	62,911	82,545	0	0	3,467	8,834	1,080	96
IOWA	220,163	212,701	0	0	6,406	11,532	0	0
MO	85,198	88,288	0	355	5,473	6,967	0	0
N DAK	20,046	16,644	0	0	790	1,214	0	0
S DAK	31,212	23,372	0	0	823	870	0	0
NEBR	239,754	239,144	0	0	6,281	7,210	0	0
KANS	183,828	169,896	0	0	36,380	35,754	0	0
W N C	843,112	832,584	0	355	59,620	72,381	1,080	96
KY	39,516	40,779	2,613	1,903	1,915	4,103	550	850
TENN	42,405	52,495	6,710	7,106	726	2,336	0	4
ALA	61,527	66,817	3,894	5,212	2,333	6,517	4,044	494
MISS	45,312	54,610	3,743	5,575	13,433	25,029	1,016	400
E S C	188,760	214,701	16,960	19,793	16,107	37,682	5,610	1,748
ARK	37,246	39,440	2,805	4,486	63,586	65,737	0	0
LA	19,614	32,017	950	1,270	15,190	19,457	29	0
OKLA	60,971	52,915	316	56	13,208	17,994	0	0
TEX	108,649	138,720	0	0	48,575	54,978	0	0
W S C	226,480	263,092	4,071	5,812	137,559	157,266	29	0
MONT	4,536	4,352	0	0	249	1,523	0	0
IDAHO	31,418	37,135	0	0	15,822	13,959	0	0
WYO	9,656	8,995	0	0	166	115	0	0
C O L O	18,599	23,066	0	0	1,383	1,866	0	0
N MEX	10,874	10,865	4	0	8,435	5,089	0	0
ARIZ	33,295	33,996	0	82	23,290	27,073	1,052	2,842
UTAH	1,200	1,440	0	0	1,045	693	0	0
NEV	14	6	0	0	839	532	0	1
MOUNT	109,592	119,859	4	82	51,224	47,847	1,052	2,843
WASH	46,575	57,984	0	0	21,199	29,923	0	0
D R E	24,747	34,044	4	26	37,589	25,741	0	0
CALIF	116,217	100,621	310	337	57,783	53,274	341	769
PAC	187,539	192,649	314	363	116,571	108,938	341	769
48 ST+DC	3,241,684	3,481,645	85,450	90,011	518,319	585,022	86,356	65,161
ALAS	0	0	0	0	142	155	0	0
HAW	1,208	618	81	50	11,681	13,316	0	0
P R	0	0	0	0	3,393	2,842	492	375
U S	3,242,892	3,482,263	85,531	90,061	533,535	601,335	86,848	65,536

TABLE 5.--NITROGEN AND SECONDARY AND MICRONUTRIENT MATERIALS: CONSUMPTION BY STATES,
YEARS ENDED JUNE 30, 1970, AND 1971

STATE AND DIVISION	NITROGEN MATERIALS				SECONDARY AND MICRONUTRIENT			
	CALCIUM CYANAMIDE		OTHER		GYPSUM		OTHER	
	1970	1971	1970	1971	1970	1971	1970	1971
- - - - TONS - - - -								
MAINE	17	0	15	20	0	1	3	21
N H	2	0	54	80	0	0	36	10
VT	0	0	4	8	0	0	51	40
MASS	9	26	85	1,814	10	5	53	46
R I	2	0	0	2	0	0	10	9
CONN	56	0	41	20	1	50	29	39
N E	86	26	199	1,444	11	55	182	165
N Y	362	17	56	986	5	12	564	501
N J	319	180	2,181	1,771	58	99	433	578
PA	228	42	2,365	1,954	7,897	6,318	747	1,302
DEL	27	15	0	93	248	349	85	111
MD	0	11	4	744	0	47	26	53
D C	4	0	0	2	0	0	0	0
W V A	0	0	31	160	0	90	31	24
M A	940	265	4,637	5,719	8,208	6,915	1,886	2,569
VA	162	12	2,907	3,957	31,210	28,039	112	458
N C	53	0	3,161	2,767	45,502	65,007	194	877
S C	0	0	563	3,048	4,612	3,144	7	1,343
GA	59	278	8,658	5,791	59,001	58,545	1,467	1,321
FLA	511	67	5,313	5,650	4,735	5,250	1,345	1,328
S A	785	357	20,602	21,213	145,060	159,978	3,125	5,327
OHIO	0	0	218	420	20	10	715	295
IND	324	6	39,807	46,493	136	1,031	1,219	208
ILL	232	0	1,594	3,668	763	1,899	194	211
MICH	0	0	1,156	876	0	0	1,998	1,483
WIS	1	1	132	174	0	0	294	1,056
E N C	557	7	42,907	51,640	899	2,940	4,420	3,253
MINN	0	0	1,447	319	709	936	542	1,441
IOWA	0	0	159	110	0	14	14,839	5,494
MO	0	0	316	550	147	125	310	412
N DAK	0	0	0	1	0	0	26	53
S DAK	0	0	1,900	351	0	0	30	63
NFBP	0	0	2,353	2,694	71	146	6,382	5,306
KANS	0	0	229	544	98	75	2,491	2,343
W N C	0	0	6,413	4,563	1,025	1,295	24,620	15,112
KY	222	34	432	2,446	110	115	98	142
TENN	246	122	927	720	497	120	271	774
ALA	0	0	78	1,003	0	0	553	264
MISS	0	0	400	1,138	0	1	6	19
E S C	468	156	1,837	5,307	607	236	928	1,199
ARK	0	0	1	18	0	5	116	143
LA	0	0	0	312	0	0	7	2
OKLA	0	0	105	57	0	0	21	9
TEX	0	0	775	1,029	900	1,200	97	107
W S C	0	0	881	1,416	900	1,275	241	261
MONT	0	0	68	28	64	869	68	60
IDAHO	0	0	5,560	11,697	6,272	4,833	13,732	18,836
WYO	0	0	3,788	185	600	525	345	414
COLG	0	0	6,650	7,304	423	691	4,622	4,373
N MEX	0	0	1,072	625	2	0	53	12
ARIZ	0	0	11,489	2,854	5,366	3,541	8,588	8,648
UTAH	0	0	168	73	856	251	16	88
NEV	0	0	430	602	1,287	1,161	608	538
MOJNT	0	0	29,225	23,373	15,254	11,889	28,032	32,969
WASH	43	37	14,238	19,175	9,151	6,728	8,027	6,995
ORF	85	7	2,884	3,832	8,215	9,269	3,725	2,956
CALIF	3,296	4,228	22,856	19,041	962,115	875,804	67,067	68,257
PAC	3,424	4,272	39,978	42,048	979,481	890,901	78,819	78,208
48 ST + DC	6,260	5,783	146,679	157,214	1,151,455	1,075,315	142,253	139,063
ALAS	0	0	70	155	0	0	5	3
HAW	12	11	409	304	100	15	2,655	2,184
P R	0	0	1	10	0	0	18	7
U S	6,272	5,094	147,159	157,683	1,151,555	1,075,335	144,931	141,257

TABLE 6--PHOSPHATE MATERIALS: CONSUMPTION BY DIRECT APPLICATION, BY STATES
YEARS ENDED JUNE 30, 1970, AND 1971

STATE AND DIVISION	PHOSPHATE ROCK		SUPERPHOSPHATES				AMMONIUM PHOSPHATES		OTHER PHOSPHATES	
	1/		122 PERCENT & UNDER		OVER 22 PERCENT		2/			
	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971
- - - - TONS - - -										
MAINE	0	34	130	0	280	0	0	0	85	361
N H	55	101	610	585	170	56	0	55	51	64
VT	0	50	3,392	2,650	419	446	234	359	12	18
MASS	0	2	527	4,170	139	236	967	250	334	365
R I	3	7	227	331	32	51	187	233	192	91
CONN	2	105	1,443	748	528	875	8	3	203	168
N E	60	292	6,329	8,484	1,568	1,664	1,396	900	877	1,067
N Y	360	255	15,419	16,499	2,849	3,450	642	812	285	258
N J	133	125	580	843	373	474	0	0	560	1,474
PA	278	262	16,144	16,821	6,270	5,033	597	2,117	2,822	2,540
DEL	60	60	1,395	299	1,848	1,419	40	50	33	187
MD	175	358	3,650	3,021	7,293	7,140	5,494	12,328	308	290
O C	0	0	34	38	0	0	0	0	60	50
W VA	137	81	3,685	2,034	6,911	7,057	5	8	22	16
M A	1,143	1,141	40,607	39,555	25,541	24,573	6,778	15,307	4,090	4,815
VA	862	1,076	6,231	5,495	22,940	9,111	242	6,398	813	457
N C	0	6	8,704	8,702	5,031	4,357	0	1,381	2,030	1,766
S C	0	0	3,837	3,636	1,329	1,315	0	631	5,625	5,344
GA	240	2,867	6,318	5,248	1,706	1,420	519	1	6,829	5,663
FLA	3,970	2,755	7,093	6,538	1,672	1,142	641	1,146	3,193	3,549
S A	5,072	6,704	32,183	29,619	32,678	17,345	1,402	9,557	18,490	16,779
OHIO	2,728	2,285	1,768	2,015	33,742	43,284	269	258	46	628
IND	1,156	654	3,344	1,650	35,975	35,890	2,172	1,968	3,838	3,015
ILL	47,446	42,267	7,398	4,319	329,204	304,456	4,906	3,759	13,904	8,507
MICH	0	95	1,840	854	5,774	9,568	114	265	474	1,329
WIS	160	468	9,426	2,562	42,818	46,985	1,054	1,066	2,887	3,955
E N C	51,490	45,769	23,776	11,400	447,513	440,183	8,515	7,316	21,149	17,434
MINN	450	253	6,953	6,208	74,293	113,271	7,465	4,463	425	74
IOWA	3,146	3,630	11,812	7,924	243,544	246,417	983	406	382	111
MO	84,114	53,360	136	295	6,984	6,316	444	435	0	0
N DAK	0	0	0	0	18,064	16,342	35,630	22,950	0	0
S DAK	0	50	913	1,385	17,912	17,371	26,251	17,672	11	11
NEBR	0	22	18,605	15,152	47,540	46,801	8,683	1,439	817	11,013
KANS	201	0	337	261	27,660	30,299	9,171	9,812	615	794
W N C	87,911	57,255	38,756	31,225	435,997	478,517	88,627	57,177	2,250	12,003
KY	2,697	912	5,355	9,573	34,355	35,100	1,166	0	301	1,750
TENN	12	1	1,771	661	17,379	21,606	35	0	3,086	863
ALA	0	0	13,107	17,692	3,570	539	132	3	30,767	28,934
MISS	508	280	8,336	8,687	4,616	4,978	1,166	770	42,250	43,147
F S C	3,217	1,193	28,569	36,613	59,920	62,223	2,499	773	76,404	74,694
ARK	0	50	2,266	1,929	7,026	9,578	1,216	977	6	6
LA	259	104	3,652	1,482	1,768	2,355	1,017	981	3,067	2,952
OKLA	885	575	6,046	3,201	16,343	20,674	5,809	5,879	64	47
TEX	3,300	5,299	16,384	8,597	23,397	27,570	121,294	112,209	1,482	1,542
W S C	4,444	6,028	28,348	15,209	46,534	60,137	129,336	120,46	4,619	4,545
MONT	2	14	0	0	19,358	14,968	45,589	38,455	4,440	2,087
IDAHO	0	487	1,585	421	43,919	32,769	36,552	49,694	16,202	14,975
WYO	0	0	0	0	6,484	6,369	2,782	1,764	0	384
COLD	40	0	1,026	1,044	12,359	15,666	6,812	5,968	1,392	1,347
N MEX	0	0	5,212	3,848	8,861	9,998	5,302	5,308	204	349
ARIZ	0	0	1,030	1,096	1,680	1,399	48,106	54,193	4,248	3,687
UTAH	0	0	1,154	1,248	24,560	23,130	10,490	9,410	100	184
NEV	0	0	79	254	1,472	878	3,964	3,556	38	109
MOUNT	42	501	10,986	7,911	118,693	105,177	159,597	168,348	26,624	23,122
WASH	10	7	3,271	2,464	11,691	12,172	31,291	33,677	1,973	1,881
DRE	0	20	20,793	25,211	11,737	7,746	71,483	76,173	648	158
CALIF	14,952	2,660	75,392	72,818	7,667	6,545	134,730	112,234	18,235	22,170
PAC	14,952	2,687	99,456	95,493	31,095	26,463	236,804	222,084	20,856	24,209
48 ST+DC	168,341	121,570	308,110	275,509	1,201,539	1,216,252	634,954	601,508	175,359	178,668
ALAS	0	0	0	0	10	9	135	100	15	1
HAW	1,774	452	3,877	528	2,573	3,796	8,973	3,528	15,698	10,969
P R	0	0	45	20	444	201	58	41	0	0
U S	170,115	122,022	312,032	276,057	1,204,566	1,220,257	644,120	605,157	191,072	189,638

1/ INCLUDES COLLOIDAL PHOSPHATE. 2/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

TABLE 7.--POTASH AND NATURAL ORGANIC MATERIALS: CONSUMPTION BY DIRECT APPLICATION, BY STATES,
YEARS ENDED JUNE 30, 1970, AND 1971

STATE AND DIVISION	POTASH MATERIALS			NATURAL ORGANICS		
	CHLORIDE 50-62 PERCENT GRADES		OTHER	1970	1971	1970
	1970	1971		1970	1971	1971
- - - - TONS - - - -						
MAINE	1,260	1,429	4	11	815	755
N H	543	445	50	13	764	602
VT	1,252	1,338	5	14	243	247
MASS	1,598	1,301	196	706	8,874	10,156
R I	235	312	0	13	1,502	1,699
CONN	2,455	2,839	74	114	4,410	9,427
N E	7,343	7,664	329	871	16,608	23,086
N Y	2,101	5,377	3,601	3,420	10,192	10,476
N J	3,164	3,827	278	328	9,016	7,086
PA	12,049	15,370	916	1,640	9,902	11,398
DEL	5,193	8,457	329	117	402	398
MD	15,623	17,988	223	631	1,738	2,232
D C	8	6	1	1	410	375
W V A	3,702	4,670	67	135	350	360
M A	41,840	55,575	5,415	6,272	32,110	32,325
VA	33,110	12,576	2,382	2,632	1,338	1,668
N C	10,999	9,103	13,891	18,092	2,017	2,810
S C	4,532	5,296	1,139	6,667	719	999
GA	5,520	6,883	8,911	8,150	2,450	3,687
FLA	16,837	18,983	66,620	58,628	25,805	27,034
S A	70,998	52,841	92,943	94,169	32,409	36,198
OHIO	132,681	154,374	798	1,875	7,300	9,979
IND	174,302	165,386	32,735	19,996	2,307	1,367
ILL	539,046	505,073	411	1,978	8,078	6,380
MICH	79,575	98,141	3,509	2,219	14,155	13,682
WIS	212,611	232,740	765	2,303	13,729	10,633
E N C	1,138,215	1,155,714	38,218	28,371	42,469	42,041
MINN	207,176	293,560	5,918	635	3,951	3,557
IOWA	362,521	366,010	59	141	1,300	993
MO	23,542	23,828	802	989	3,665	3,248
N DAK	5,988	7,933	0	0	101	135
S DAK	11,567	10,787	504	55	1,075	715
NEBR	36,454	42,151	12,753	14,766	9	24
KANS	45,297	39,385	0	81	1,346	1,290
W N C	692,545	783,654	28,036	16,637	11,437	9,962
KY	58,250	44,835	12,402	16,891	2,162	2,255
TENN	26,436	28,396	2,992	2,140	1,343	1,275
ALA	6,811	7,622	10,768	2,742	852	1,032
MISS	10,380	10,064	260	459	367	395
E S C	101,877	90,917	26,422	22,223	4,724	4,957
ARK	20,341	21,636	436	540	321	85
LA	5,691	4,290	23,223	26,603	420	643
OKLA	25,536	21,402	1,472	1,258	1,844	1,518
TEX	6,307	6,838	3,711	5,708	7,146	7,075
W S C	57,875	54,166	28,842	34,109	9,731	9,321
MONT	1,913	1,602	5	8	109	292
IDAHO	4,802	3,554	1,595	2,450	131	88
WYO	1,739	2,097	43	60	183	152
COLOR	9,094	9,541	1,356	3,480	10,881	10,990
N MEX	195	353	748	887	697	1,218
ARIZ	635	2,703	393	138	6,002	9,558
UTAH	216	195	0	26	240	195
NEV	0	0	9	4	755	863
MOUNT	18,588	20,045	4,149	7,053	18,994	23,356
WASH	17,107	19,774	4,372	3,905	11,777	11,763
ORE	12,609	14,445	2,355	3,463	3,473	3,527
CALIF	8,958	8,841	10,655	8,840	319,155	365,518
PAC	38,674	43,060	17,382	16,208	332,705	380,808
48 ST+DC	2,167,955	2,263,636	233,736	225,913	501,087	562,054
ALAS	48	44	61	53	7^	75
HAW	4,204	4,960	3,106	5,960	182	137
P R	365	263	384	484	82	85
U S	2,172,572	2,268,903	237,287	232,410	501,421	562,351

TABLE B--PRIMARY PLANT NUTRIENTS: CONSUMPTION OF PRIMARY PLANT NUTRIENTS BY KIND OF FERTILIZER, BY STATES,
YEARS ENDED JUNE 30, 1970 AND 1971.¹

STATE AND DIVISION	MIXTURES									
	N		AVAILABLE P O		K O		TOTAL		1971 AS PERCENT DE 1970	
	1970	1971	1970	1971	1970	1971	1970	1971		
			I-O-N-S							
MAINE	14,945	14,056	18,941	18,182	19,319	18,004	53,204	50,242	94	
N H	1,667	1,870	1,733	2,016	1,951	2,275	5,351	6,161	115	
VT	4,490	4,791	6,241	6,692	6,867	7,075	17,599	18,558	105	
MASS	6,186	5,162	5,516	5,505	4,924	4,456	16,626	15,124	91	
R I	1,376	1,399	1,388	1,357	1,143	1,161	3,906	3,916	100	
CONN	5,364	5,027	4,831	4,557	4,069	3,716	14,264	13,300	93	
N E	34,028	32,306	38,649	38,308	38,272	36,688	110,949	107,301	97	
N Y	48,914	52,412	78,667	82,566	66,087	68,272	193,667	203,250	105	
N J	16,624	19,766	18,942	20,787	17,735	19,736	53,351	60,289	113	
PA	53,873	55,538	83,706	89,140	67,445	69,683	205,024	214,361	105	
OEL	7,261	7,440	11,213	12,272	12,570	12,246	31,044	31,957	103	
MD	21,022	26,800	33,168	42,927	37,016	45,442	91,806	115,168	125	
D C	594	603	670	672	662	466	1,726	1,741	101	
W VA	3,469	3,414	6,408	6,194	5,759	5,088	15,636	14,695	94	
M A	151,756	165,973	232,772	254,557	207,725	220,932	592,253	641,462	108	
VA	37,032	43,186	66,686	75,911	68,667	76,162	172,385	195,259	113	
N C	69,661	70,092	129,912	132,909	159,591	152,802	358,663	365,804	102	
S C	30,282	31,673	66,795	66,189	85,334	86,983	180,410	184,846	102	
GA	73,166	80,287	133,610	139,548	183,159	201,455	389,935	421,290	108	
FLA	134,294	126,202	103,352	96,324	192,966	181,540	430,611	404,066	94	
S A	344,434	351,441	498,354	510,882	689,216	708,942	1,532,004	1,571,264	103	
OHIO	80,937	89,755	198,421	212,452	154,702	160,627	434,065	462,834	107	
IND	80,703	82,231	227,342	240,635	197,033	224,186	505,078	547,052	108	
ILL	123,828	120,392	303,304	298,257	157,409	160,232	581,541	578,881	100	
MICH	55,080	63,267	129,007	150,555	103,201	119,197	287,288	333,019	116	
WIS	34,182	39,294	95,927	108,327	69,739	70,552	199,848	218,173	109	
E N C	374,731	394,939	951,001	1,010,225	682,085	734,794	2,007,816	2,139,959	107	
MINN	68,013	90,901	186,337	240,466	86,480	93,961	338,931	425,328	126	
IOWA	100,474	108,681	298,357	307,658	129,722	132,107	526,503	548,457	104	
MO	119,336	124,814	162,314	165,080	175,350	175,776	457,001	465,670	102	
N DAK	32,778	30,703	77,393	69,527	5,855	6,998	116,926	106,228	92	
S DAK	16,048	18,782	29,867	37,793	2,971	3,735	48,886	60,310	123	
NEBR	40,104	48,051	103,373	118,880	12,069	15,554	155,547	182,485	117	
KANS	62,569	62,407	155,371	159,964	19,451	16,330	237,390	237,801	100	
W N C	439,323	484,348	1,008,962	1,098,469	431,898	443,462	1,882,183	2,026,278	108	
KY	34,252	43,372	72,673	86,166	70,615	82,325	177,540	211,863	119	
TENN	37,731	42,984	74,978	79,114	73,703	76,094	186,413	198,193	106	
ALA	50,258	55,532	98,945	98,178	101,304	103,222	250,507	256,932	103	
MISS	31,237	32,236	67,161	67,011	57,972	58,279	149,370	150,525	101	
E S C	153,478	174,124	305,758	323,469	303,593	319,920	763,829	817,514	107	
ARK	27,837	30,649	59,645	63,072	61,112	64,845	148,594	158,566	107	
LA	32,498	34,196	53,011	54,287	47,396	50,484	132,904	138,967	105	
OKLA	35,656	37,669	87,469	86,210	20,287	19,112	136,412	142,991	105	
TEX	150,898	155,989	212,875	217,833	85,980	103,359	449,752	474,181	105	
W S C	246,888	258,503	405,999	421,402	214,775	234,801	867,662	914,706	105	
MONT	16,177	19,163	26,031	37,619	419	290	42,627	57,071	134	
IDAHO	11,625	12,121	27,580	25,456	508	746	39,712	38,323	97	
WYO	3,404	4,501	6,333	9,499	27	47	9,764	14,047	144	
COLD	14,068	14,276	33,449	33,164	1,107	1,082	48,624	48,522	100	
N MEX	3,787	4,321	8,424	9,791	848	1,403	13,059	15,516	119	
ARIZ	7,939	6,486	14,363	15,564	1,578	937	23,881	22,986	96	
UTAH	4,637	4,777	10,053	10,300	129	198	14,819	15,283	103	
NEV	562	483	424	518	127	122	1,113	1,123	101	
MONTE	62,199	66,126	126,658	141,920	4,742	4,826	193,598	212,873	110	
WASH	18,961	20,274	37,438	31,564	7,235	5,623	56,633	57,460	101	
ORE	11,265	13,631	18,230	17,571	3,759	4,176	33,255	35,378	106	
CALIF	68,958	75,609	71,421	97,677	42,637	45,267	183,017	218,554	119	
PAC	94,184	109,514	120,389	146,912	53,632	55,666	272,905	311,392	114	
48 ST										
E D C	1,906,020	2,037,273	3,689,242	3,946,045	2,625,937	2,759,431	8,221,199	8,742,748	106	
ALAS	384	352	695	533	466	348	1,545	1,233	80	
HAW	14,068	14,896	10,901	11,952	23,045	21,690	45,014	48,534	108	
P R	18,605	16,902	8,224	7,423	17,009	14,863	43,838	39,188	89	
U S	1,939,077	2,069,423	3,709,062	3,965,952	2,663,457	2,796,332	9,311,596	8,831,708	106	

^{1/} THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 8.--PRIMARY PLANT NUTRIENTS: CONSUMPTION OF PRIMARY PLANT NUTRIENTS BY KIND OF FERTILIZER, BY STATES,
YEARS ENDED JUNE 30, 1970, AND 1971¹⁷--CONTINUED

STATE AND DIVISION	MIXTURES AND DIRECT-APPLICATION MATERIALS								1971 AS PERCENT OF 1970	
	N		AVAILABLE P O		K O		TOTAL			
	1970	1971	1970	1971	1970	1971	1970	1971		
TONS										
MAINE	16,400	16,003	19,135	18,339	20,099	18,884	55,634	53,227	96	
N H	2,071	2,311	1,967	2,227	2,317	2,564	6,354	7,102	112	
V T	6,100	6,677	7,246	7,629	7,625	7,892	23,971	22,199	106	
MASS	8,159	7,727	6,325	6,842	6,071	5,514	20,554	20,082	98	
R I	1,642	1,756	1,588	1,561	1,322	1,390	4,552	4,707	103	
CONN	6,492	7,372	5,539	5,393	5,646	5,625	17,677	18,390	104	
N E	40,863	41,847	41,799	41,992	43,080	41,869	125,742	125,707	100	
N Y	70,041	75,087	83,786	88,244	68,382	72,493	222,209	235,824	106	
N J	22,675	27,400	19,585	21,692	20,058	22,275	62,318	71,367	115	
P A	82,947	86,407	91,955	96,659	75,762	79,614	249,964	262,690	105	
DEL	13,338	14,753	12,321	13,096	15,880	17,316	41,540	45,165	109	
M D	40,175	57,093	40,264	53,525	47,132	56,534	127,571	167,151	131	
D C	673	667	704	703	475	479	1,853	1,849	100	
W V A	6,727	6,856	10,353	9,861	8,061	7,943	25,380	24,660	98	
H A	236,575	268,263	258,968	283,790	234,991	256,654	730,534	908,707	111	
V A	77,559	86,125	78,928	84,700	89,688	84,555	246,176	255,381	104	
N C	195,513	217,656	134,435	137,797	168,804	172,032	408,753	517,484	104	
S C	90,601	92,967	66,693	68,998	88,458	91,602	245,753	253,567	103	
G A	251,221	263,033	136,547	142,105	188,833	207,217	576,600	612,354	106	
F L A	191,156	183,262	127,050	106,122	215,690	205,008	513,886	488,333	95	
S A	806,051	832,983	523,653	533,722	751,463	760,414	2,381,168	2,127,119	102	
O H I O	225,689	276,471	214,465	233,534	234,712	254,220	674,866	764,235	113	
I N D	343,414	424,202	247,492	259,848	302,502	329,439	893,419	903,488	111	
I L L	595,502	713,885	459,093	443,473	481,889	465,102	1,536,485	1,622,460	106	
M I C H	139,290	174,980	132,619	156,310	152,987	178,975	424,896	510,266	120	
W I S	115,130	122,518	125,100	133,337	197,681	211,543	432,911	467,398	108	
E N C	1,419,026	1,692,056	1,173,770	1,226,502	1,369,771	1,439,289	3,962,567	4,357,847	110	
M I N N	283,875	411,271	223,126	295,293	214,178	270,406	721,179	976,969	135	
I O W A	659,688	701,768	411,261	422,566	347,297	352,940	1,418,246	1,477,275	104	
M D	300,738	326,112	168,392	169,917	189,719	197,307	658,849	686,229	104	
N D A K	71,909	70,704	101,532	87,476	9,508	10,937	182,949	169,017	92	
S D A K	78,464	85,072	50,261	53,919	10,164	10,236	138,889	149,227	107	
N E B R	499,003	534,287	131,326	150,288	36,832	44,228	657,161	728,803	109	
K A N S	443,855	444,648	173,390	175,371	46,670	39,992	660,915	660,012	100	
W N C	2,337,531	2,573,762	1,256,289	1,354,831	854,368	918,939	4,448,188	4,847,532	109	
K Y	101,458	113,751	90,358	104,377	110,405	116,051	302,220	334,179	111	
T E N N	96,688	105,455	83,796	89,381	90,664	93,966	271,147	288,801	107	
A L A	140,691	152,777	105,581	104,667	119,661	108,438	355,933	365,882	103	
M I S S	148,129	160,717	68,330	68,706	64,235	64,503	280,694	293,927	105	
E S C	486,966	532,701	348,065	367,131	374,964	382,957	1,209,995	1,282,789	106	
A R K	107,304	110,182	63,591	68,766	73,442	77,943	244,337	256,192	105	
L A	113,981	135,578	55,789	56,981	53,233	55,783	223,004	248,741	112	
O K L A	163,088	173,690	90,495	97,670	36,096	32,325	289,679	303,686	105	
T E X	675,490	661,010	255,481	259,588	90,638	105,780	1,221,610	1,026,377	100	
W S C	1,059,864	1,080,861	465,356	482,305	253,409	271,930	1,778,620	1,834,996	103	
M O N T	36,786	41,207	49,755	56,834	1,572	1,262	88,113	99,304	113	
I D A H O	93,887	101,964	67,732	62,567	4,220	3,966	165,839	168,497	102	
W Y O	18,049	16,177	9,889	12,935	1,380	1,283	24,018	30,396	105	
C O L O	80,143	85,856	41,843	43,136	7,247	9,162	129,233	137,154	106	
N M E X	30,251	29,566	15,015	16,881	1,152	1,848	45,418	48,295	104	
A R I Z	96,712	92,420	31,217	33,998	2,303	2,903	130,232	129,321	99	
U T A H	15,603	16,140	24,015	23,525	257	329	39,875	39,995	100	
N F V	3,243	3,435	2,157	1,915	139	148	5,539	5,498	99	
M O U N T	374,673	386,766	241,623	251,791	17,971	19,902	634,267	658,459	104	
W A S H	145,165	164,260	44,698	46,368	19,586	19,416	209,449	230,044	110	
O R E	85,951	94,143	44,875	42,708	12,328	14,489	143,154	151,340	106	
C A L I F	414,794	419,818	146,350	170,017	61,711	64,338	622,855	654,173	105	
P A C	645,909	678,221	235,924	259,292	93,625	98,243	975,459	1,035,557	106	
48 ST										
E D C	7,407,458	8,087,460	4,545,447	4,801,156	3,993,643	4,190,097	15,945,548	17,078,713	107	
A L A S	992	951	758	573	527	403	2,276	1,927	85	
H A W	28,802	32,113	19,082	16,751	23,955	26,286	71,839	75,151	105	
P R	21,752	19,723	8,472	7,543	17,387	15,247	47,611	42,513	89	
U S	7,459,004	8,140,247	4,573,758	4,826,023	4,335,511	4,232,033	16,268,274	17,198,303	107	

¹⁷ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9.--PRIMARY PLANT NUTRIENTS: NITROGEN CONTENT OF DIRECT-APPLICATION MATERIALS CONSUMED,
BY STATES, YEAR ENDED JUNE 30, 1971

STATE AND DIVISION	AMMONIA		AMMONIUM		NITROGEN		SODIUM NITRATE	UREA	AMMONIUM		PHOSPHATE LIMESTONE MATERIALS	NATURAL ORGANICS	OTHER NITROGEN MATERIALS
	ANHYDROUS	AQUA	NITRATE	SULFATE	SOLUTIONS	NITRATE							
							T C N S						
MAINE	0	6	761	19	235	0	897	0	2	79	4		
N H	188	0	41	1	85	1	75	0	13	23	13		
V T	120	0	469	1	557	0	253	0	76	8	2		
MASS	0	0	593	67	47	33	824	0	41	476	484		
R I	0	0	17	0	6	0	240	0	39	55	1		
CONN	10	0	213	4	346	12	1,299	0	4	451	7		
N E	317	0	2,094	93	1,675	47	3,588	0	175	1,041	511		
N Y	3,927	0	4,930	175	7,145	164	5,470	21	115	403	394		
N J	694	3	2,854	348	1,154	132	1,557	136	10	220	726		
PA	2,425	0	9,067	1,429	4,666	87	11,977	0	470	257	558		
DEL	1,645	0	827	325	4,183	3	273	0	10	12	37		
MD	8,536	0	2,206	363	12,988	119	3,086	0	2,614	66	315		
D L	0	0	22	1	0	12	16	0	1	12	0		
W VA	68	0	1,794	85	1,058	52	319	0	0	9	57		
M A	17,095	3	21,701	2,726	31,134	568	22,620	158	3,220	979	2,088		
VA	177	122	5,017	740	31,167	772	1,122	1,123	1,368	43	1,289		
N C	10,721	0	15,936	597	94,575	5,178	1,285	5,899	297	119	2,958		
S C	3,364	91	11,545	152	38,895	2,348	319	3,580	308	47	1,645		
GA	36,798	8	58,419	723	81,452	1,577	387	499	24	132	2,726		
FLA	4,670	8	23,336	1,940	14,476	977	1,425	981	290	1,003	7,895		
S A	55,729	236	113,253	4,151	260,565	10,851	4,539	12,081	2,287	1,344	16,513		
OHIO	104,042	1,309	16,448	4,731	43,052	41	16,575	0	40	316	163		
IND	198,903	2,179	3,996	1,128	89,098	3	6,237	0	222	69	20,136		
ILL	441,268	17,442	34,634	4,072	88,219	42	5,631	0	557	314	1,314		
MICH	69,256	12	10,353	687	18,149	66	12,169	0	46	531	446		
WIS	42,457	3,721	11,531	611	22,226	0	1,856	0	559	174	89		
E N C	855,926	24,662	76,962	11,229	260,744	152	42,467	0	1,425	1,403	22,148		
MINN	243,242	5,481	40,833	1,125	24,555	0	4,019	18	866	176	65		
IOWA	456,575	9,024	56,453	710	64,924	0	5,247	0	60	54	31		
MO	138,803	266	31,755	0	26,713	57	3,170	0	54	195	186		
N DAK	9,703	0	21,684	705	4,666	0	552	0	2,684	7	0		
S DAK	26,014	1,312	28,535	75	6,754	0	396	0	3,062	42	100		
NEBR	359,097	1,720	47,367	796	73,462	0	3,281	0	186	2	326		
KANS	250,573	73	64,104	200	49,257	0	16,268	0	1,620	55	91		
W N C	1,484,006	17,877	290,729	3,611	250,321	57	32,933	18	8,531	531	798		
KY	21,690	0	32,603	472	12,249	304	1,866	174	0	122	901		
TENN	11,676	0	32,103	141	16,066	1,137	926	1	25	60	335		
ALA	13,154	0	57,625	422	21,476	634	2,965	101	0	45	622		
MISS	38,342	31	59,765	17	17,449	892	11,388	82	124	21	370		
E S C	84,862	31	182,097	1,051	67,240	3,167	17,145	358	150	247	2,229		
ARK	9,584	14	25,077	1,436	12,600	718	29,910	0	156	4	34		
LA	37,513	422	37,901	6,396	10,245	203	8,853	0	158	24	66		
OKLA	61,780	1	49,688	459	14,851	9	8,187	0	931	97	17		
TEX	319,652	6,407	68,152	28,904	39,552	0	24,605	0	17,312	170	268		
W S C	428,530	6,844	180,817	37,196	77,248	930	71,556	0	18,557	294	384		
MONT	1,398	26	12,056	373	1,382	0	693	0	6,104	10	3		
IDAHO	25,909	1,979	14,866	19,875	11,660	0	4,986	0	7,230	1	3,338		
WYO	1,008	87	7,137	328	2,722	0	52	0	288	8	46		
COLO	39,986	96	18,342	2,638	7,161	0	849	0	911	270	1,328		
N MEX	16,406	37	989	1,208	3,378	0	2,315	0	767	28	116		
ARIZ	45,883	2,385	3,735	2,345	10,029	13	12,318	483	8,070	234	440		
UTAH	3,371	24	4,040	1,745	469	0	314	0	1,440	10	12		
NEV	1,092	0	91	740	2	0	242	0	574	19	190		
MOUNT	135,052	4,633	61,255	29,252	36,743	13	21,770	483	25,385	580	5,472		
WASH	60,735	20,223	15,220	6,907	17,247	0	13,615	0	5,341	310	4,389		
ORE	12,406	6,721	5,445	20,752	10,819	4	11,712	0	11,818	93	742		
CALIF	119,317	59,900	18,959	67,189	22,639	54	24,240	147	16,115	10,466	5,184		
PAC	192,458	86,844	39,624	94,848	50,705	58	49,567	147	33,274	10,869	10,314		
48 ST													
G O C	3,253,976	141,124	968,533	184,158	1,036,375	15,842	266,185	13,246	93,003	17,290	60,457		
ALAS	185	0	239	43	0	0	71	0	13	2	47		
HAW	0	9,383	320	562	124	8	6,059	0	667	15	80		
P R	0	813	0	622	0	J	1,293	77	9	3	5		
U S	3,254,160	151,321	969,091	185,386	1,036,498	15,850	273,607	13,323	93,692	17,309	60,588		

TABLE 10.--PRIMARY PLANT NUTRIENTS: AVAILABLE P₂O₅ CONTENT OF DIRECT-APPLICATION MATERIALS CONSUMED, BY STATES, YEAR ENDED JUNE 30, 1971

STATE AND DIVISION	AMMONIUM PHOSPHATES 1/	PHOSPHORIC SOLUTIONS	PHOSPHATE ROCK 2/	SUPERPHOSPHATES		NATURAL ORGANICS	OTHER PHOSPHATE MATERIALS
				22% & UNDER	OVER 22%		
- - - T O N S - - -							
MAINE	0	0	1	0	0	21	135
N H	29	0	3	117	26	19	18
V T	190	0	2	530	205	6	5
MASS	98	0	0	834	109	197	100
R I	47	0	0	66	23	43	25
CONN	2	0	3	150	402	233	46
N E	365	0	9	1,697	765	519	328
N Y	379	0	8	3,300	1,587	334	71
N J	0	0	4	169	218	172	343
P A	1,118	0	6	3,364	2,278	180	584
DEL	24	19	2	60	652	9	59
M D	6,534	0	11	604	3,284	51	114
D C	0	0	3	8	0	10	14
W V A	0	0	2	407	3,248	6	5
M A	8,054	19	33	7,910	11,267	760	1,190
VA	3,391	11	32	1,099	4,100	29	127
N C	732	0	5	1,740	2,024	52	359
S C	334	0	3	786	526	32	1,131
G A	1	86	86	1,347	651	88	599
F L A	607	0	80	1,303	505	807	497
S A	5,065	97	198	5,975	7,786	1,007	2,714
OHIO	128	325	68	403	19,896	248	15
IND	927	793	20	330	16,450	50	642
ILL	1,850	4,301	1,266	652	136,527	273	136
MICH	131	527	3	171	4,380	442	102
WIS	509	0	14	498	21,623	168	2,198
E N C	3,545	5,945	1,371	2,264	198,877	1,181	3,094
MINN	1,344	44	6	1,236	52,041	154	3
IOWA	108	31	103	1,586	113,023	48	11
MO	177	0	1,599	59	2,904	97	0
N DAK	10,452	0	0	0	7,491	6	0
S DAK	7,996	0	1	277	7,821	25	7
NEBR	538	241	1	3,030	22,459	1	5,098
KANS	2,176	0	0	52	13,867	47	166
W N C	22,790	316	1,709	6,240	219,644	378	5,284
KY	0	0	20	1,819	16,161	55	156
TENN	0	0	0	132	9,939	34	162
ALA	1	0	0	3,635	248	30	2,575
MISS	161	146	6	1,737	2,290	18	4,338
E S C	161	146	26	7,323	28,638	138	7,230
ARK	197	0	2	386	4,406	3	1
LA	196	986	3	296	1,083	19	110
OKLA	1,231	23	17	640	9,510	36	2
TEX	26,208	816	159	1,719	12,686	166	1
W S C	27,832	1,824	181	3,042	27,665	226	114
MONT	11,394	1,071	0	0	6,740	8	2
IDAHO	14,183	6,175	15	84	14,746	1	1,906
WYO	354	134	0	0	2,891	7	50
C O L O	1,697	681	0	209	7,176	194	17
N MEX	1,547	173	0	770	4,563	19	17
ARIZ	15,405	2,006	0	216	646	167	0
UTAH	2,448	114	0	241	10,405	9	0
NEV	899	0	0	51	395	12	40
MOUNT	47,927	10,354	15	1,570	47,554	418	2,032
WASH	7,728	855	0	490	5,456	206	68
ORE	17,507	19	1	4,006	3,490	80	34
CALIF	36,024	10,895	80	14,373	2,957	7,715	294
PAC	61,259	11,770	81	18,870	11,903	8,002	396
48 ST							
E D C	176,999	30,470	3,621	54,891	554,118	12,629	22,383
ALAS	35	0	0	0	4	1	0
HAW	1,823	0	14	114	1,746	2	1,101
P R	22	0	0	4	92	2	0
U S	178,878	34,470	3,634	55,009	555,960	12,634	23,484

1/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0, AND 27-14-0. 2/ INCLUDES COLLOIDAL PHOSPHATE.

TABLE 11.--PRIMARY PLANT NUTRIENTS: K₂O CONTENT OF DIRECT-APPLICATION MATERIALS CONSUMED, BY STATES, YEAR ENDED JUNE 30, 1971

STATE AND DIVISION	POTASSIUM CHLORIDE	POTASSIUM MAGNESIUM SULFATE	POTASSIUM NITRATE	POTASSIUM-SODIUM NITRATE	POTASSIUM SULFATE	NATURAL ORGANICS	OTHER POTASSIUM MATERIALS
- - - - T O N S - - - -							
MAINE	857	1	0	1	0	21	0
N H	269	2	2	0	0	16	0
VT	804	0	0	0	5	6	0
MASS	781	24	7	84	0	162	0
R I	187	3	0	0	0	39	0
CONN	1,704	5	3	0	40	157	0
N E	4,603	36	12	85	46	400	0
N Y	3,232	358	55	146	200	184	46
N J	2,296	29	5	7	2	170	28
PA	9,215	166	137	9	115	240	49
DEL	5,050	0	0	0	4	10	5
MD	10,824	54	24	11	123	56	0
D C	4	0	0	0	0	9	0
W VA	2,804	20	0	1	0	6	26
H A	33,425	627	222	174	444	675	155
VA	7,797	149	21	142	156	49	79
N C	5,466	82	997	1,969	573	65	77
S C	3,233	123	430	677	0	39	117
GA	4,180	256	276	906	60	84	0
FLA	11,542	1,751	1,741	6,078	720	421	1,216
S A	32,218	2,361	3,465	9,772	1,509	658	1,489
OHIO	92,816	255	77	8	194	235	18
IND	99,302	152	0	29	60	16	5,694
ILL	304,174	89	0	110	20	53	424
MICH	58,949	377	196	6	7	243	0
WIS	139,926	209	55	0	554	189	58
E N C	695,166	1,081	328	153	834	736	6,195
MINN	176,256	87	0	10	29	28	34
IOWA	220,785	21	0	0	22	4	0
MO	14,313	18	22	0	0	0	172
N DAK	4,838	0	0	0	0	1	0
S DAK	6,479	9	0	0	0	7	6
NEBR	25,424	3,249	0	0	0	1	0
KANS	23,635	0	0	0	0	18	8
W N C	471,731	3,383	22	11	52	59	220
KY	26,919	414	99	402	4,174	21	1,696
TENN	17,042	2	0	98	577	17	136
ALA	4,651	32	11	325	1	16	180
MISS	6,079	52	3	9	0	2	79
E S C	54,692	500	112	834	4,752	56	2,090
ARK	12,982	76	14	24	1	1	0
LA	2,613	0	15	4	0	12	2,654
OKLA	12,884	254	0	0	51	24	0
TEX	4,111	997	0	0	5	51	256
W S C	32,590	1,327	29	27	57	88	2,910
MONT	961	0	0	0	0	6	5
IDAHO	2,021	0	0	0	1,131	1	67
WYO	1,222	13	0	0	0	1	0
COLO	5,701	531	3	0	520	325	0
N MEX	212	195	0	0	0	38	0
ARTZ	1,622	5	0	0	57	282	0
UTAH	117	0	0	0	13	1	0
NEV	0	0	0	0	2	24	0
MOUNT	11,856	744	3	0	1,723	678	72
WASH	11,863	240	0	0	1,334	347	9
ORE	8,621	59	8	0	1,557	68	0
CALIF	5,242	137	123	0	3,890	9,680	0
PAC	25,725	436	131	0	6,781	10,096	9
48 ST							
G D C	1,362,006	10,496	4,324	11,057	16,197	13,447	13,139
ALAS	26	0	0	0	26	2	0
HAW	2,976	82	91	0	922	0	525
P R	146	0	3	0	233	1	0
U S	1,365,154	10,578	4,418	11,057	17,379	13,451	13,664

TABLE 12. --PRINCIPAL MIXTURES : CONSUMPTION OF FERTILIZER, BY REGIONS AND STATES,
YEAR ENDED JUNE 30, 1971

STATE AND DIVISION	COMMERCIAL FERTILIZER,										NEW ENGLAND									
	10-15-15	15-15-15	10-10-10	5-10-10	15-8-12	10-6-4	8-12-12	15-10-10	10-20-10	12-12-12	8-10-10	12-18-18	16-46-5	1-25-20	5-10-5	10-15-15	15-10-10	20-10-10	9-23-36	10-15-40
MAINE	44,840	19,340	4,651	2,797	6,578	558	10,952	-	-	1,795	6,198	900	5,610	1,381	664	1,122	38	1,122	237	1,122
N H	283	776	1,889	1,249	1,622	493	0	1,370	529	1	2,623	0	0	0	0	0	0	0	0	0
MASS	295	1,335	3,140	961	3,073	238	5,201	482	528	1,665	0	746	0	972	1,667	215	1,667	215	1,667	215
R I	1,698	23	6,110	4,659	5,011	1,918	172	41	0	3,193	384	20	3,447	0	1,978	1,666	166	1,666	166	1,666
CONN	81	684	5,894	2,502	995	3,517	0	3,193	384	20	3,447	0	1,978	1,666	166	1,666	166	1,666	166	1,666
TOTAL	47,197	34,932	23,703	13,457	12,268	12,225	11,627	7,755	6,640	6,219	6,633	5,610	5,577	5,577	5,577	5,577	5,577	5,577	5,577	5,577
May 1972																				
10-10-10	5-10-10	10-20-20	10-6-4	15-15-15	10-20-10	18-46-0	1-5-10-5	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8	1-6-8-8
N Y	39,129	27,154	55,584	33,274	41,193	20,886	17,698	22,093	8,279	22,841	12,123	1,280	6,881	251,129	18,680	18,680	18,680	18,680	18,680	18,680
N J	31,396	11,138	18,330	4,051	895	2,218	9,639	8,799	306	9,93	8,662	417	1,152	442	442	442	442	442	442	442
P A	65,925	81,615	67,837	9,286	15,467	26,015	16,669	5,560	25,076	7,741	6,217	12,676	1,654	1,654	1,654	1,654	1,654	1,654	1,654	1,654
DEL	15,994	7,444	5,555	5,585	612	5,632	2,232	4,336	1,649	1,923	1,422	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822
M D	57,485	31,118	36,882	7,277	4,582	2,605	6,852	4,413	3,338	9,124	3,595	0	0	0	0	0	0	0	0	0
D C	8,550	13,910	5,019	452	176	535	2,106	266	298	312	420	145	1,781	1,781	1,781	1,781	1,781	1,781	1,781	1,781
W V A	207,527	193,105	183,935	72,218	66,821	53,090	50,875	47,465	47,207	35,007	31,270	31,071	28,990	27,017	26,077	26,077	26,077	26,077	26,077	26,077
20																				
5-10-15	5-10-10	10-10-10	3-9-9	3-9-9	3-9-18	4-12-12	4-8-12	4-8-8	4-8-8	4-10-20	10-20-20	6-12-20	7-16-21	6-6-6	2-12-22	4-8-8	4-8-8	4-8-8	4-8-8	4-8-8
V A	9,752	143,545	74,129	38,385	40,452	1,438	17,959	-	-	16,955	7,573	2,237	0	0	13,557	0	0	0	0	0
N C	243,929	15,289	22,226	111,228	12,071	58,325	72,410	21,285	91,186	2,552	0	0	0	0	42,013	0	0	0	0	0
S C	5,722	56,467	87,926	47,167	61,148	116,203	33,401	33,308	33,308	34,223	9,133	20,850	4,089	0	5,020	0	0	0	0	0
G A	603,789	6,429	35,936	35,212	28,920	46,378	13,160	34,955	34,955	30,151	30,452	16,265	305	75,259	88,817	0	1,627	1,627	1,627	1,627
F L A	38,120	2,437	74,284	2,701	1,285	33,785	10,151	16,285	16,285	10,151	16,285	312	5,264	5,012	69,305	225	225	225	225	225
TOTAL	664,000	452,867	405,636	356,193	263,733	209,972	153,966	138,931	116,487	115,869	106,192	91,918	69,323	54,302	54,302	54,302	54,302	54,302	54,302	54,302
EAST NO RTH CENTRAL																				
6-24-24	18-46-0	12-12-12	8-32-16	5-20-20	16-16-16	10-34-0	6-18-6	7-28-28	4-12-24	4-10-10	15-15-15	14-14-14	14-14-14	14-14-14	14-14-14	14-14-14	14-14-14	14-14-14	14-14-14	14-14-14
OHIO	201,505	64,066	103,612	57,740	76,590	36,411	10,362	12,670	1,709	6,932	29,144	15,117	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750
I N D	216,286	44,324	52,231	33,017	23,635	18,254	43,418	8,493	15,619	20,162	25,677	7,742	12,921	31,875	23,276	23,276	23,276	23,276	23,276	23,276
I L L	107,791	185,907	30,828	68,660	51,223	836	16,616	47,249	15,395	36,533	21,917	1,805	1,805	3,900	3,900	3,900	3,900	3,900	3,900	3,900
M I C H	101,712	16,327	87,932	90,672	31,864	30,627	7,686	5,520	27,785	16,831	27,785	24	0	7,685	3,124	3,124	3,124	3,124	3,124	3,124
W I S	119,478	85,160	5,230	9,413	7,675	404	642	2,785	16,831	27,785	16,831	27,785	24	0	7,685	3,124	3,124	3,124	3,124	3,124
TOTAL	828,774	396,314	259,893	239,802	144,807	95,172	74,674	64,120	62,043	58,950	56,100	47,701	42,946	42,946	42,946	42,946	42,946	42,946	42,946	42,946
WEST NO RTH CENTRAL																				
18-46-0	6-24-24	8-32-16	12-12-12	10-34-0	7-22-7	17-17-17	10-34-1	6-26-26	7-28-28	21-13-32	20-10-10	9-23-36	10-15-40	10-15-40	10-15-40	10-15-40	10-15-40	10-15-40	10-15-40	10-15-40
M I N N	224,565	72,216	28,780	5,238	19,230	14,615	-	-	-	13,624	9,977	3,116	24,674	5,444	11,017	11,017	11,017	11,017	11,017	11,017
I O W A	189,391	88,668	100,737	4,445	17,649	25,589	1,743	0	0	15,936	3,043	0	16,485	7,312	0	2,084	16,861	0	2,084	16,861
W I S	9,631	110,107	18,042	133,085	3,610	3,690	66,138	0	90	18,623	2,682	0	21,526	5,236	0	0	0	0	0	0
S D A K	84,442	426	51	3,957	173	8,626	10,465	188	0	207	0	0	0	1,763	1,763	1,763	1,763	1,763	1,763	1,763
C R O P	39,781	51	1,453	316	42,922	51,332	212	0	0	223	0	0	0	1,763	1,763	1,763	1,763	1,763	1,763	1,763
N E B R	101,400	509	3,741	31,425	42,267	61	66,413	16	16	66,413	0	0	0	1,763	1,763	1,763	1,763	1,763	1,763	1,763
K A N S	164,510	9,586	32,533	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	813,840	277,533	203,102	146,998	131,632	137,067	77,662	66,732	48,444	47,686	47,686	47,686	47,686	47,686	47,686	47,686	47,686	47,686	47,686	47,686

Crop Reporting Board, SRS, USDA, N D A K, C R O P, N E B R, K A N S

EAST SOUTH CENTRAL											
13-13-13	6-12-12	8-24-24	5-10-15	4-12-12	10-10-10	0-20-20	5-25-25	8-8-8	6-24-24	16-16-16	15-15-15
KY	3,39	37,584	1,667	86,142	220	93,988	-	-	10 N S	-	-
TENN	3,083	209,493	19,175	27,494	338	15,439	7,012	343	37,167	13,711	3,623
ALA	133,552	14,038	99,750	26,084	137,315	19,867	16,446	1,086	14,877	34,648	36,799
MISS	126,889	1,592	53,344	0	113	27,867	5,988	61,036	1,957	1,235	1,109
TOTAL	263,863	262,707	173,936	141,720	137,946	131,420	94,686	73,230	63,252	60,433	51,051
WEST SOUTH CENTRAL											
16-20-10	18-46-0	12-12-12	13-13-13	16-6-12	6-24-24	0-26-26	12-24-12	10-20-20	0-20-20	10-34-0	8-24-24
ARK	62,240	3,573	9,777	25,151	0	14,181	32,508	2,98	20,219	15,119	4,483
LA	5,135	1,874	25,426	30,959	395	29,688	11,005	5,731	6,70	14,146	16,092
OKLA	88,467	101,111	2,718	572	2,616	9,907	0	2,07	1,18	4,694	0
TEXAS	154,005	85,328	91,873	24,199	69,069	12,105	0	25,197	9,332	5,080	28,734
TOTAL	310,751	191,886	125,794	80,881	72,080	65,991	43,513	41,253	38,488	35,563	33,692
MOUNTAIN											
18-46-0	30-10-0	10-34-0	11-55-0	16-48-0	20-10-5	20-20-5	22-22-5	27-12-0	29-14-0	9-30-0	23-23-0
MONT	37,916	528	1,510	6,289	0	0	2,040	2,962	1,493	0	4,320
IDAHO	28,131	105	1,578	5,911	0	6,907	1,789	0	0	0	4,165
WYO	13,003	1,107	1,320	872	0	15	1,16	723	0	0	667
COL	49,591	1,887	10,165	0	6,888	2,559	0	0	256	0	0
MEX	5,921	60	5,803	404	0	0	0	0	0	0	1,671
ARIZ	11,995	0	6,272	0	4,934	55	0	0	0	0	2,13
UTAH	18,257	226	44	0	2,25	0	0	0	0	0	1,476
NEV	257	50	509	0	0	0	0	0	0	0	0
TOTAL	165,434	3,163	27,205	13,072	12,431	2,734	6,907	5,425	5,234	4,811	4,444
PACIFIC											
12-12-12	18-46-0	16-16-16	19-9-0	6-24-0	9-30-0	6-20-20	10-14-0	30-1-C	4-10-10	15-10-10	16-7-14
WASH	0	16,280	11,366	0	1,562	13,571	1,045	5,295	6,945	0	5,202
ORE	342	16,147	8,319	336	1,251	5,400	814	1,148	6,91b	0	4,373
CALIF	37,884	6,975	10,703	29,751	26,771	9,630	22,582	9,895	14,68	12,692	1,441
TOTAL	38,426	33,402	30,388	30,087	29,564	28,611	24,441	16,338	16,C56	14,608	12,830
OTHER											
15-5-10	14-4-10	12-6-16	20-5-10	8-8-13	10-5-15	9-10-5	8-6-13	15-10-10	12-6-8	11-10-8	20-0-33
Crop Reporting	PUERTO RICO	30,716	24,574	11,656	5,580	5,221	4,501	3,281	3,145	2,867	2,826
UNITED STATES C. O. C. L											
18-46-0	5-24-24	5-10-15	10-10-10	5-11-10	12-12-12	8-32-16	10-20-20	10-20-10	13-13-13	6-12-12	3-9-9
NEW ENG	5,177	1,555	2	23,703	13,457	6,29	5,651	6,640	0	0	11
MID ATL	50,475	12,696	207,527	193,105	18,641	183,595	3,726	18,185	0	1,302	297
S ATL	21,150	2,820	66,000	405,696	452,867	6,330	115,039	8,444	106,152	356,193	6,354
S E N C E N T	396,314	828,774	7,804	16,916	21,199	25,893	38,595	13,442	13,718	2,260	3,295
S E N C E N T	813,440	277,543	68	5,249	2,052	14,998	203,102	3,4,590	18,938	1,675	7,674
E S C E N T	37,087	60,433	141,720	137,420	12,771	16,472	1,031	4,238	22,129	268	131,622
USDA	191,886	65,941	22	3,052	2,697	12,756	3,545	38,488	2,536	262,707	1,893
MOUNTAIN	165,434	97	6	10,822	2,118	38,34	60	80,891	2,598	137,986	53
PACIFIC	33,402	0	0	10,822	2,118	38,228	0	5,775	2,631	4,678	0
TOTAL	1,716,365	1,272,170	626,318	810,457	700,340	610,977	466,316	428,001	406,760	392,813	362,568

¹⁷ EXCLUDES ALASKA, HAWAII, & PUERTO RICO.

TABLE 13.--MIXTURES 1/ TONNAGE OF THE 150 MOST POPULAR MIXTURES CONSUMED, UNITED STATES.
YEARS ENDED JUNE 30, 1970 AND 1971

GRADE	CONSUMPTION		PROPORTION OF TOTAL		GRADE	CONSUMPTION		PROPORTION OF TOTAL	
	1970	1971	1970	1971		1970	1971	1970	1971
	TONS	TONS	PERCENT	PERCENT		TONS	TONS	PERCENT	PERCENT
0-10-20	135,335	122,995	.65	.58	9-9-9	11,251	17,514	.05	.08
0-10-30	30,504	31,105	.15	.15	9-12-12	37,682	26,045	.18	.12
0-12-36	25,417	19,089	.12	.09	9-23-30	43,746	66,676	.21	.31
0-14-14	51,829	38,535	.25	.18	9-30-0	36,088	35,793	.17	.17
0-14-42	37,827	40,347	.18	.19	9-36-18	25,694	18,240	.12	.09
0-15-30	80,751	87,283	.39	.41	10-0-10	26,876	22,690	.13	.11
0-15-40	38,590	45,209	.19	.21	10-2-10	47,637	32,156	.23	.15
0-18-36	31,040	34,047	.15	.16	10-5-5	15,210	19,990	.07	.09
0-20-20	207,194	181,754	1.00	.85	10-5-10	20,726	30,640	.10	.14
0-23-30	49,212	50,835	.24	.24	10-6-4	136,487	127,255	.66	.60
0-25-25	103,293	95,321	.50	.45	10-10-10	829,230	810,457	4.00	3.79
0-26-26	132,893	141,420	.64	.66	10-10-20	13,662	22,937	.07	.11
2-6-12	72,454	87,879	.35	.41	10-15-15	43,956	48,196	.21	.23
2-12-12	36,021	31,379	.17	.15	10-20-10	466,481	428,001	2.25	2.00
3-9-9	398,517	362,568	1.92	1.70	10-20-20	410,044	464,690	1.98	2.17
3-9-12	58,128	61,014	.28	.29	10-20-30	19,670	32,517	.09	.15
3-9-18	288,505	274,748	1.39	1.28	10-26-26	10,725	19,020	.05	.09
3-9-27	32,110	44,716	.15	.21	10-30-10	22,741	19,392	.11	.09
3-10-8	133,368	28,355	.64	.13	10-34-0	234,093	299,745	1.13	1.40
3-10-10	19,698	28,922	.10	.14	10-34-1	24	67,652	.00	.32
3-10-30	15,180	25,068	.07	.12	10-40-10	23,428	20,083	.11	.09
4-7-5	22,787	22,682	.11	.11	11-37-0	51,405	47,186	.25	.22
4-8-8	62,609	54,507	.30	.25	11-55-0	42,671	45,792	.21	.21
4-8-12	182,849	180,984	.88	.85	12-0-10	11,652	17,431	.06	.08
4-9-3	34,918	33,675	.17	.16	12-0-12	39,516	35,585	.19	.17
4-10-10	84,483	94,473	.41	.44	12-4-8	48,870	49,648	.24	.23
4-11-11	20,227	18,512	.10	.09	12-4-12	18,230	16,556	.09	.08
4-12-12	403,327	353,339	1.95	1.65	12-6-6	58,120	64,120	.28	.30
4-12-24	75,471	126,987	.36	.59	12-12-12	626,405	610,977	3.02	2.86
4-13-10	14,398	32,921	.07	.15	12-24-12	61,431	62,277	.30	.29
4-15-20	22,053	38,283	.11	.18	12-24-24	19,508	42,562	.09	.20
5-10-5	82,839	75,040	.40	.35	13-13-13	350,839	406,760	1.69	1.90
5-10-10	766,733	700,340	3.70	3.27	13-34-10	18,363	23,685	.09	.11
5-10-15	908,924	826,318	4.39	3.86	13-52-0	55,327	68,214	.27	.32
5-10-30	21,644	19,895	.10	.09	14-0-14	25,966	23,848	.13	.11
5-15-25	4,951	19,567	.02	.09	14-7-7	21,280	16,976	.10	.08
5-15-30	37,198	48,048	.18	.22	14-7-14	20,755	24,698	.10	.12
5-17-18	9,453	18,718	.05	.09	14-14-14	86,171	95,828	.42	.45
5-20-20	357,417	273,019	1.73	1.28	15-5-5	39,182	40,731	.19	.19
5-20-30	12,078	20,909	.06	.10	15-5-10	20,593	18,295	.10	.09
5-20-35	20,116	30,300	.10	.14	15-8-12	21,412	21,420	.10	.10
5-23-27	39,843	29,954	.19	.14	15-10-10	81,382	86,707	.39	.41
5-38-10	17	18,247	.00	.09	15-15-15	236,935	255,932	1.14	1.20
6-6-6	69,858	70,688	.34	.33	15-38-10	19,221	26,117	.09	.12
6-6-12	19,758	19,602	.10	.09	15-40-5	28,710	32,916	.14	.15
6-8-6	22,433	21,858	.11	.10	15-42-6	17,119	21,246	.08	.10
6-8-8	76,175	61,896	.37	.29	16-0-16	26,287	28,086	.13	.13
6-10-4	19,751	19,345	.10	.09	16-6-12	76,894	75,765	.37	.35
6-12-6	42,023	40,176	.20	.19	16-8-8	110,388	116,460	.53	.54
6-12-12	498,865	392,813	2.41	1.84	16-16-16	133,340	219,577	.64	1.03
6-12-18	29,604	33,156	.14	.16	16-20-6	43,333	38,264	.21	.18
6-18-6	87,823	95,982	.42	.45	16-48-0	60,174	51,364	.29	.24
6-18-18	19,155	16,774	.09	.08	17-17-17	107,513	147,004	.52	.69
6-18-36	23,864	42,425	.12	.20	18-18-9	20,208	18,334	.10	.09
6-20-20	24,456	27,087	.12	.13	18-46-0	1,514,911	1,716,365	7.31	8.03
6-24-24	1,204,296	1,272,170	5.81	5.95	19-9-0	32,095	30,967	.15	.14
6-26-26	19,910	29,170	.10	.14	19-19-19	5,394	16,618	.03	.08
7-14-21	34,307	107,153	.17	.50	19-20-0	4,029	31,582	.02	.15
7-21-7	134,231	123,648	.65	.58	20-20-0	8,115	22,949	.04	.11
7-22-5	14,150	18,353	.07	.09	20-5-5	12,278	19,178	.06	.09
7-28-28	76,795	122,694	.37	.57	20-10-0	35,069	40,131	.17	.19
7-30-11	19,307	22,848	.09	.11	20-10-5	20,650	24,772	.10	.12
7-31-12	38,217	39,450	.18	.18	20-10-10	97,959	125,126	.47	.59
8-0-24	24,785	17,175	.12	.08	20-20-10	28,093	33,616	.14	.16
8-2-8	47,200	34,360	.23	.16	21-13-12	46,104	47,651	.22	.22
8-4-8	40,039	29,075	.19	.14	20-20-0	12,538	9,120	.06	.04
8-8-8	246,612	252,547	1.19	1.18	22-11-11	19,933	18,379	.10	.09
8-16-8	18,303	18,034	.09	.08	22-4-4	22,501	16,391	.11	.08
8-16-16	52,705	42,921	.25	.20	23-11-11	23,049	29,650	.11	.14
8-16-24	12,411	20,327	.06	.10	25-25-0	19,160	21,343	.09	.10
8-24-0	26,659	46,207	.13	.22	27-12-0	15,615	16,712	.08	.08
8-24-8	26,897	24,833	.13	.12	28-14-0	19,580	22,274	.09	.10
8-24-24	223,492	256,240	1.08	1.20	30-1-0	11,087	18,660	.05	.08
8-25-3	22,896	25,803	.11	.12	30-10-0	31,016	16,992	.15	.08
8-32-16	448,536	466,316	2.17	2.18	32-5-3	9,366	11,444	.05	.05
					TOTAL	15,890,907	16,449,801	76.71	77.06

NUMBER OF GRADES AND TOTAL TONNAGE BY CLASS: YEAR ENDED JUNE 30	NUMBER	TONS		PERCENT OF TOTAL		
	1970	1971	1970	1971	1970	1971
GRADES OF 10,000 TONS OR MORE	217	204	18,562,917	17,172,371	89.60	80.44
GRADES 5,000 TONS TO 9,999 TONS	94	98	659,456	687,243	3.18	3.22
GRADES 2,500 TONS TO 4,999 TONS	125	145	440,139	512,819	2.12	2.40
LESS THAN 2,500 TONS AND GRADE NOT REPORTED			1,054,753	2,975,387	5.09	13.94
TOTAL (48 STATES AND DISTRICT OF COLUMBIA)			20,717,265	21,347,820	100.00	100.00

1/ EXCLUDES ALASKA, HAWAII AND PUERTO RICO AND GRADES MADE BY ONLY ONE COMPANY.

TABLE 14.--AVERAGE ANALYSIS: AVERAGE PRIMARY NUTRIENT CONTENT OF MIXTURES AND DIRECT APPLICATION MATERIALS CONSUMED, BY STATES, YEAR ENDED JUNE 30, 1971

STATE AND DIVISION	MIXTURE 1/				MATERIAL 2/				TOTAL IN MIXTURES AND MATERIALS	
	N	AVAILABLE P O 2 5	K O 2	TOTAL	N	AVAILABLE P O 2 5	K O 2	MULTIPLE NUTRIENT	TOTAL	
--- PERCENT ---										
MAINE	10.93	14.14	14.00	39.07	37.26	36.20	59.84	11.41	38.61	39.04
N H	11.21	12.08	13.64	36.93	46.68	19.65	59.79	13.00	31.56	36.12
VT	10.64	14.86	15.72	41.22	34.68	23.42	59.98	46.52	35.27	40.11
MASS	10.81	11.52	9.33	31.66	24.72	21.38	57.01	11.99	21.28	28.26
R I	10.26	9.95	8.51	28.71	43.96	23.47	58.48	12.25	23.76	27.74
CONN	12.28	11.13	9.08	32.49	39.70	32.12	59.42	9.34	26.77	30.68
N E	11.04	13.09	12.54	36.67	33.33	24.10	59.15	11.86	27.60	34.99
N Y	9.66	15.21	12.58	37.45	38.61	24.22	50.27	14.64	33.41	34.83
N J	10.40	10.94	10.39	31.72	34.55	24.75	57.56	9.41	31.15	31.63
PA	9.89	15.87	12.40	38.16	37.10	25.17	57.83	16.43	35.48	37.63
DEL	8.71	14.37	14.34	37.42	36.03	40.45	59.37	15.21	42.37	36.75
MD	8.41	13.47	14.26	36.13	39.51	37.18	59.51	63.65	45.67	38.64
D C	7.61	8.48	5.88	21.97	28.10	20.00	59.29	10.59	16.53	21.55
W VA	8.11	14.72	12.09	34.91	32.48	39.87	59.35	6.91	40.00	36.81
M A	9.49	14.56	12.63	36.68	37.59	29.18	57.71	28.96	38.03	36.95
VA	7.00	12.31	12.35	31.66	29.73	33.35	57.81	56.37	33.67	32.11
N C	5.50	10.42	12.77	28.69	30.73	27.74	54.62	32.94	31.29	29.41
S C	5.13	10.71	14.08	29.92	28.12	19.37	56.47	39.83	28.94	29.65
GA	6.13	10.65	15.38	32.16	35.47	15.78	55.05	24.44	35.00	32.99
FLA	8.72	6.66	12.55	27.92	29.76	16.02	47.06	24.20	29.63	28.20
S A	6.67	9.70	13.46	29.83	31.80	22.98	52.06	29.18	32.11	30.40
OHIO	9.22	21.82	16.50	47.53	47.74	42.94	59.79	10.45	49.82	48.41
IND	6.92	20.25	18.86	46.03	50.88	44.26	56.81	37.95	51.78	48.45
ILL	9.41	23.31	12.53	45.25	56.88	39.79	60.19	30.42	54.40	50.74
MICH	9.18	21.86	17.30	48.34	52.59	44.21	59.41	11.91	52.54	49.72
WIS	9.54	26.30	17.13	52.97	43.82	44.27	59.91	23.13	50.97	51.89
E N C	8.69	22.24	16.18	47.11	52.53	41.00	59.49	20.14	52.66	49.78
MINN	11.59	30.67	11.98	54.24	58.86	44.51	59.98	31.98	57.19	55.87
IOWA	10.62	30.07	12.91	53.60	59.47	44.46	60.31	19.57	57.24	55.83
MO	11.99	15.86	16.88	44.73	55.58	7.61	58.56	14.78	49.02	46.02
N DAK	16.47	37.29	3.22	56.98	38.13	45.84	60.99	56.96	43.24	50.96
S DAK	16.14	32.48	3.21	51.84	42.62	43.76	59.90	60.54	45.37	47.78
NEBR	12.89	31.89	4.17	48.96	57.83	41.16	50.38	49.85	56.09	54.12
KANS	14.00	35.70	3.66	53.36	54.02	44.93	59.91	35.26	53.69	53.57
W N C	12.20	27.67	11.17	51.04	56.34	40.28	59.41	48.08	54.90	53.22
KY	8.00	15.90	15.19	39.09	39.49	38.36	56.60	23.90	42.55	40.28
TENN	8.32	15.31	14.72	38.34	35.91	44.13	59.48	22.17	39.71	38.76
ALA	7.85	13.88	14.59	36.33	35.85	13.69	59.70	23.87	33.14	35.32
MISS	8.81	16.41	15.93	41.16	41.11	14.92	59.47	28.18	37.65	39.37
E S C	8.17	15.17	15.01	38.35	38.31	24.79	57.92	24.08	37.97	38.21
ARK	8.53	17.55	18.05	44.13	39.03	41.47	59.40	34.07	41.00	42.88
LA	10.33	16.41	15.26	42.00	41.43	36.01	17.08	25.98	38.57	40.41
OKLA	13.45	30.77	6.82	51.04	45.47	41.60	58.20	31.39	45.73	48.08
TEX	13.16	18.38	8.47	40.00	50.82	35.82	42.80	36.81	48.69	44.25
W S C	11.99	19.55	10.89	42.43	47.13	38.25	41.90	36.33	45.83	44.07
MONT	19.35	37.98	.29	57.61	35.00	45.78	60.00	45.22	41.03	49.16
IDAHO	17.33	36.40	1.07	54.81	34.30	47.12	53.61	43.02	37.70	40.58
WYO	17.62	37.19	.19	55.00	33.62	45.53	57.27	34.38	36.59	43.29
COLOR	16.20	31.62	1.23	55.05	47.22	44.76	51.88	20.10	44.96	48.08
N MEX	12.87	29.16	4.18	46.22	53.61	38.86	32.82	36.87	48.51	47.75
ARIZ	14.46	34.71	2.09	51.26	49.47	46.30	59.27	37.89	46.29	47.10
UTAH	16.99	36.67	.70	54.36	36.71	43.80	58.71	40.70	40.25	44.68
NEV	14.73	15.80	3.73	34.26	37.09	39.02	49.00	34.64	36.39	35.94
MOUNT	16.85	36.16	1.09	54.10	41.78	45.00	53.13	39.12	42.01	45.31
WASH	15.87	24.70	4.40	44.97	38.53	41.83	56.78	30.66	38.82	40.19
ORE	17.45	22.50	5.35	45.29	29.95	26.82	57.22	37.09	32.68	34.96
CALIF	11.78	15.22	7.05	34.04	31.71	27.45	53.26	16.81	27.23	29.18
PAC	12.92	17.32	6.49	36.73	33.00	28.92	55.88	20.54	30.18	31.89
48 ST+DC	9.54	18.48	12.93	40.95	46.16	37.10	58.32	27.54	45.60	43.10
ALAS	12.53	18.95	12.37	43.85	40.00	45.00	53.99	30.93	39.89	42.34
HAW	14.38	11.54	20.94	46.86	25.87	18.82	42.05	67.70	28.29	38.02
P R	13.50	5.93	11.88	31.31	27.46	43.23	51.32	29.98	29.36	31.15
U S	9.59	18.38	12.96	40.93	46.06	36.95	58.24	27.67	45.50	43.03

1/ GUARANTEED TO CONTAIN 2 OR MORE OF THE PRIMARY NUTRIENTS N, P O, K O.

2 5 2

2/ INCLUDES ONLY MATERIALS GUARANTEED TO CONTAIN 1 OR MORE PRIMARY NUTRIENTS.

TABLE 15.--SELECTED N-P GRADES: CONSUMPTION BY STATES
YEAR ENDED JUNE 30, 1971

STATE AND DIVISION	GRADE 1/ 11-48 13-39 16-20 16-48 18-46 21-53 27-14						
	- - - TONS - - -						
MAINE	0	0	0	0	1,381	0	0
N H	0	0	0	0	36	55	0
VT	0	0	0	0	944	359	0
MASS	0	250	0	0	972	0	0
R I	0	0	233	0	266	0	0
CONN	0	0	0	0	1,978	3	0
N E	0	250	233	0	5,577	417	0
N Y	582	0	68	0	17,698	162	0
N J	0	0	0	0	2,118	0	0
PA	0	0	13	0	16,469	2,104	0
DEL	50	0	0	0	5,632	0	0
MD	0	0	0	0	6,852	12,328	0
D C	0	0	0	0	0	0	0
W V A	0	0	0	0	2,106	0	0
M A	632	0	81	0	50,875	14,594	0
VA	0	0	0	0	17,656	6,398	0
N C	0	0	0	0	1,460	1,381	0
S C	0	0	0	0	0	631	0
GA	0	0	0	0	924	1	0
FLA	4	0	0	0	1,910	1,142	0
S A	4	0	0	0	21,950	9,553	0
OHIO	181	0	0	105	64,066	77	0
IND	1,770	198	0	531	44,324	0	0
ILL	2,586	0	39	146	185,907	1,134	0
MICH	195	0	0	403	16,327	70	0
WIS	1,058	0	8	361	85,690	0	0
E N C	5,790	198	47	1,546	396,314	1,281	0
MINN	982	0	1,221	5,444	224,565	800	1,460
IOWA	95	0	311	2,084	189,391	0	0
MO	320	3	112	0	9,631	0	0
N DAK	21,027	50	1,288	3,993	84,442	0	585
S DAK	278	7,500	700	691	39,781	9,000	194
NEBR	894	0	541	4,510	101,460	0	4
KANS	737	126	8,079	18,764	164,570	90	780
W N C	24,333	7,679	12,252	35,486	813,840	9,890	3,023
KY	0	0	0	0	21,819	0	0
TENN	0	0	0	0	11,360	0	0
ALA	0	0	3	0	1,109	0	0
MISS	0	0	750	0	2,799	20	0
E S C	0	0	753	0	37,087	20	0
ARK	0	7	970	40	3,573	0	0
LA	0	0	981	0	1,874	0	0
OKLA	197	0	5,681	531	101,111	1	0
TEX	8,173	7,778	96,258	0	85,328	0	0
W S C	8,370	7,785	103,890	571	191,886	1	0
MONT	14,547	0	17,736	0	37,916	0	6,172
IDAHO	15,235	0	34,093	0	28,331	0	366
WYO	10	0	1,733	0	13,003	0	21
COLO	1,801	25	3,717	6,868	49,591	50	375
N MEX	1,631	152	3,525	404	5,821	0	0
ARIZ	13,947	64	38,216	4,934	11,595	1,966	0
UTAH	2,100	0	6,950	225	18,920	0	360
NEV	708	0	2,467	0	257	32	349
MOUNT	49,979	241	108,637	12,431	165,434	2,048	7,643
WASH	3,628	260	28,578	0	16,280	1	1,210
ORE	3,765	6,307	66,030	0	10,147	62	9
CALIF	42,637	8	64,404	1,330	6,975	4,995	190
PAC	50,030	6,575	159,012	1,330	33,402	5,058	1,409
48 ST+DC	139,138	22,728	384,705	51,364	1,716,365	42,862	12,075
ALAS	55	0	45	0	0	0	0
HAW	729	0	0	0	1,642	2,779	0
P R	0	0	0	0	0	41	0
U S	139,922	22,728	384,750	51,364	1,718,007	45,682	12,075

1/ IN OTHER TABLES, ALL QUANTITIES OF GRADE 11-48, 13-39, 16-20, 21-53, AND 27-14 ARE INCLUDED IN MATERIALS;
WHEREAS, 16-48 AND 18-46 ARE INCLUDED IN MIXTURES.

TABLE 16.--NITROGEN SOLUTIONS: CONSUMPTION BY DIRECT APPLICATION, BY ANALYSIS
BY STATES, YEARS ENDED JUNE 30, 1970 AND 1971

STATE AND DIVISION	UNDER 28% NITROGEN		28-32% NITROGEN		OVER 32% NITROGEN	
	1970	1971	1970	1971	1970	1971
- - - T O N S - - -						
MAINE	0	0	375	783	0	0
N H	0	0	328	215	24	37
VT	155	0	2,366	3,079	0	0
MASS	0	0	240	155	0	0
R I	0	0	12	20	1	0
CONN	10	0	998	1,120	17	0
N E	165	0	4,319	5,372	42	37
N Y	78	0	21,767	22,383	383	200
N J	0	0	1,992	3,502	0	199
PA	143	26	16,971	14,742	40	478
DEL	48	0	7,606	11,355	3,531	2,099
MD	0	0	23,453	40,705	3,400	2,099
D C	0	0	9	0	0	0
W VA	0	0	3,478	3,521	13	0
M A	269	26	75,276	96,208	7,357	5,075
VA	0	0	86,038	99,321	4,151	3,705
N C	2,035	819	219,967	276,310	53,481	31,119
S C	40,024	31,231	108,466	109,694	0	0
GA	13,118	25,232	240,542	244,253	774	474
FLA	43,393	42,013	17,512	18,005	0	0
S A	98,570	99,295	672,925	747,583	58,406	35,298
OHIO	2,410	2,127	86,450	128,520	22,246	17,493
IND	33	66	254,921	267,136	44,636	34,119
ILL	7,949	13,471	166,995	175,416	72,052	90,464
MICH	0	164	38,737	62,934	1,665	1,304
WIS	0	0	66,653	73,447	4,515	3,205
E N C	10,392	15,828	613,756	707,453	145,114	146,585
MINN	271	79	51,181	71,739	11,459	10,727
IOWA	23	8	183,453	195,432	36,687	17,261
MO	1,369	1,301	80,215	85,263	3,614	1,724
N DAK	0	0	20,046	16,598	0	46
S DAK	8,806	0	21,846	22,875	560	497
NEBR	254	314	225,551	229,944	13,949	8,886
KANS	96	434	183,688	169,456	44	0
W N C	10,819	2,136	765,980	791,307	66,313	39,141
KY	0	0	39,516	40,779	0	0
TENN	0	0	42,388	52,495	17	0
ALA	0	0	61,527	65,732	0	1,085
MISS	0	0	44,428	53,981	884	629
E S C	0	0	187,859	212,987	901	1,714
ARK	0	0	37,246	39,345	0	95
LA	0	0	19,614	32,017	0	0
OKLA	1,003	1,206	59,968	51,709	0	0
TEX	0	33,916	108,200	104,804	449	0
W S C	1,003	35,122	225,028	227,875	449	95
MONT	0	38	4,536	4,314	0	0
IDAH0	2,060	557	29,358	36,582	0	0
WYO	0	0	9,656	8,995	0	0
COLOR	211	325	18,377	22,741	11	0
N MEX	0	0	10,874	10,865	0	0
ARIZ	7,637	7,052	25,653	26,934	5	10
UTAH	0	0	1,200	1,440	0	0
NEV	0	0	14	6	0	0
MOUNT	9,908	7,972	99,668	111,877	16	10
WASH	8,732	10,862	37,843	47,122	0	0
O RE	282	495	24,448	33,549	17	0
CALIF	95,282	76,847	19,730	22,739	1,205	1,035
PAC	104,296	88,204	82,021	103,410	1,222	1,035
48 ST+DC	235,422	248,583	2,726,432	3,004,072	279,830	228,990
ALAS	0	0	0	0	0	0
HAW	1,208	618	0	0	0	0
P R	0	0	0	0	0	0
U S	236,630	249,201	2,726,432	3,004,072	279,830	228,990

TABLE 17.--PRIMARY NUTRIENT RATIOS: PRIMARY-NUTRIENT RATIOS OF MIXTURES TOTALING 50,000 OR MORE TONS
IN UNITED STATES BY REGIONS, YEAR ENDED JUNE 30, 1971

PRIMARY NUTRIENT RATIO 1/	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	OTHER 2/	UNITED STATES
- - - - T O N S - - - -											
0:1:1	3,629	51,267	51,372	82,773	70,235	126,616	98,686	0	1,078	0	485,656
0:1:2	1,359	33,584	155,302	6,486	16,507	10,793	36,130	0	46	0	260,207
0:1:3	3,865	11,468	21,214	31,910	41,580	6,165	421	0	0	0	116,623
0:2:3:30	0	268	444	33,119	17,620	1,911	203	0	0	0	53,565
1:0:1	50	443	147,895	11,574	1,129	2,198	1,559	0	174	6,344	171,366
1:1:0	28	425	154	448	49,774	897	6,421	12,160	5,491	0	75,798
1:1:1	66,954	323,626	656,219	520,403	300,764	604,018	309,732	3,003	96,324	2,399	2,923,422
1:1:2	4	783	23,277	13,189	3,233	7,236	3,162	0	162	1,111	52,157
1:2:1	12,106	149,503	33,491	35,076	48,936	4,638	377,646	2,126	4,261	852	668,635
1:2:2	23,638	430,338	744,950	70,568	46,633	341,142	45,540	61	8,609	2,718	1,714,195
1:2:3	23	36,622	959,730	23,868	4,002	176,755	7,302	8	0	41	1,205,351
1:3:0	0	0	366	20,161	39,741	15	597	13,612	32,163	0	106,645
1:3:1	18	26,815	365	74,920	157,639	2,370	7,325	3,211	4,742	242	277,647
1:3:3	27	6,158	617,367	17,659	9,619	319,260	34,630	488	1,344	0	1,006,552
1:3:4	0	1,739	16,277	42,310	2,230	2,398	2,620	0	0	0	67,774
1:3:6	28	13,912	434,624	70,985	33,295	15,262	11,846	0	135	0	580,087
1:3:9	0	0	1,000	43,187	6,380	317	0	0	0	0	50,884
1:4:0	2	2,186	183	29,971	35,356	1,589	134	0	193	324	69,938
1:4:2	106	24,694	3,634	267,289	213,998	4,414	6,895	69	0	594	521,693
1:4:4	3,837	55,643	5,352	1,037,837	340,544	145,851	84,348	1,746	2,049	29	1,677,236
2:1:0	250	472	53	146	24,765	361	48,632	6,714	5,110	0	86,503
2:1:1	2,334	78,741	74,776	71,835	83,160	13,906	49,925	1,747	2,030	745	379,199
2:1:2	2,565	2,131	66,006	3,821	8,608	11,474	26,436	0	11,773	230	133,044
2:2:1	0	0	123	660	35,279	569	35,770	2,816	19,439	223	94,679
2:3:3	64,467	1,263	4,346	10	495	601	61	0	0	0	71,243
2:5:5	0	0	1,001	56,179	23,566	256	4,988	32	15,277	0	101,299
3:1:0	0	0	177	83	15,980	593	3,497	33,700	1,296	0	55,326
3:1:1	200	505	9,116	26,030	9,223	3,050	7,192	86	437	0	55,839
3:1:2	854	4,288	49,629	10,883	2,231	4,555	10,240	373	4,721	31,468	119,424
3:2:2	7,761	34,234	15,408	8,110	38,882	12,370	6,140	0	13,327	2,899	139,151
3:4:4	165	0	26,794	17	1,050	62,576	346	0	0	19	90,967
3:10:10	0	1,325	465	21,180	3,867	1,420	183	979	26,570	0	55,989
5:3:2	12,351	72,643	3,184	28,584	3,032	1,095	261	1,262	6,859	106	129,377
5:17:0	297	6,364	3,295	74,674	131,695	6,248	33,692	27,205	16,424	0	299,894
8:3:6	0	0	182	2,363	1,154	2	72,080	0	0	0	75,781
9:23:0	5,577	50,875	21,950	396,314	813,841	37,087	191,886	165,434	33,402	1,642	1,718,008
9:23:30	0	190	3,174	20,542	37,502	1,371	4,138	0	48	0	66,965
10:34:1	0	0	0	0	66,732	0	920	0	0	0	67,652
OTHER											
RATIOS 3/	80,121	326,248	1,073,671	1,386,989	1,229,430	200,580	624,165	115,646	534,365	179,563	5,750,778
TOTAL	292,636	1,748,753	5,266,556	4,542,153	3,969,687	2,131,959	2,155,749	392,478	847,849	231,547	21,579,367

1/ N: AVAILABLE P, O: K, O: 2/ ALASKA, HAWAII, AND PUERTO RICO. 3/ ALL OTHER MIXTURES INCLUDING THOSE NOT REPORTED BY GRADE.

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