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# **COMMERCIAL FERTILIZERS**

## **CONSUMPTION FOR YEAR ENDED**

### **JUNE 30, 1980**



**Economics and  
Statistics Service**

**U.S. Department  
of Agriculture**  
**Washington, D.C.**  
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For Information Call: (202) 447-7687

### TOTAL FERTILIZER CONSUMPTION UP 2 PERCENT

Fertilizer consumption in the U.S. and Puerto Rico during the year ended June 30 1980 is placed at 52.6 million tons, up 2 percent from the 51.5 million tons consumed during the 1978-79 year.

Primary nutrient content (nitrogen, N; phosphate,  $P_2O_5$ ; and potash  $K_2O$ ) was 23.0 million tons, up 2 percent from a year earlier. Nitrogen consumption increased 6 percent to 11.4 million tons; phosphate usage decreased 4 percent to 5.4 million tons; and potash at 6.2 million tons was down 1 percent.

The five leading States in order of total consumption and the change in consumption from last year were: Illinois, up 7 percent; California, up 11 percent; Iowa, down 1 percent; Texas, up 7 percent and Indiana, down 3 percent.

Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer. Materials used in the manufacture of registered mixes or for use in other fertilizers are excluded.

### DIRECT APPLICATION MATERIALS INCREASED 6 PERCENT

Usage of all direct application materials increased 6 percent during the 1979-80 fertilizer year to 29.4 million tons. Primary nutrient material (N,  $P_2O_5$ ,  $K_2O$ ) accounted for 27.1 million tons compared with 25.6 million tons a year earlier. Secondary and micronutrient materials increased from 2.1 million tons in 1979 to 2.3 million tons in 1980.

### MICRONUTRIENTS SOLD FOR FERTILIZER

Sales of selected micronutrient elements for use in fertilizer were obtained from known producers. The tonnage shown in table 19 indicates increased tonnage for copper, iron and molybdenum and decreases for manganese and zinc.

#### DATA SOURCES AND RELEASE DATES

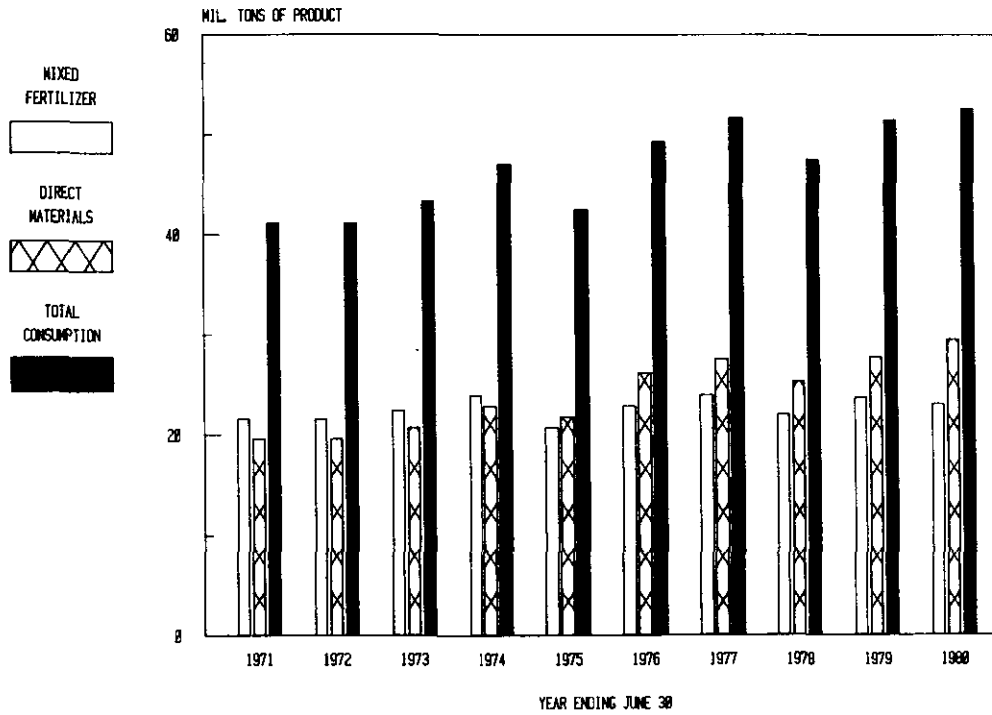
This report, compiled by the Crop Reporting Board of the Economics and Statistics Service, is based on fertilizer tonnage reports prepared by State Fertilizer Control Officials and the voluntary response of more than 1,500 fertilizer manufacturers, blenders and sales outlets. The State fertilizer tonnage report for Louisiana was not available in time for this release, therefore, the previous year's consumption data was used for Louisiana.

Current year consumption data will be subject to revision one year from the publication of this report. The consumption by class Report will be released by the Crop Reporting Board on December 5, 1980 at 3 p.m.

TABLE 1.--UNITED STATES CONSUMPTION OF FERTILIZERS AND PLANT NUTRIENTS  
1960-1980

YEAR ENDED JUN 30	TOTAL CONSUMPTION								
	GROSS TONNAGES				PRIMARY NUTRIENT CONTENT				
	MIXED FERTI- LIZER	PRIMARY NUTRIENT MATERIAL	SECONDARY & MICRO- NUTRIENTS	TOTAL	N	AVAILABLE P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	TOTAL	
	1,000 TONS								
1960	15,650	7,850	1,378	24,877	2,738.0	2,572.4	2,153.3	7,463.7	
1961	15,735	8,639	1,194	25,567	3,030.8	2,645.1	2,168.5	7,844.4	
1962	16,205	9,100	1,310	26,615	3,370.0	2,807.0	2,270.5	8,447.5	
1963	17,157	10,229	1,459	28,844	3,929.1	3,072.9	2,503.4	9,505.4	
1964	18,093	11,113	1,475	30,681	4,352.8	3,377.8	2,729.7	10,460.3	
1965	18,559	11,756	1,521	31,836	4,638.5	3,512.2	2,834.5	10,985.2	
1966	19,659	13,412	1,461	34,532	5,326.3	3,897.1	3,221.2	12,444.6	
1967	21,132	14,552	1,397	37,081	6,027.1	4,304.7	3,641.8	13,973.6	
1968	21,294	15,832	1,617	38,743	6,787.6	4,453.3	3,792.6	15,033.5	
1969	21,234	16,380	1,334	38,949	6,957.6	4,665.6	3,891.6	15,514.8	
1970	20,961	17,331	1,297	39,589	7,459.0	4,573.8	4,035.5	16,068.3	
1971	21,513	18,389	1,216	41,118	8,133.6	4,803.4	4,231.4	17,168.4	
1972	21,511	18,385	1,310	41,206	8,022.3	4,863.7	4,326.8	17,212.8	
1973	22,547	19,275	1,466	43,288	8,295.1	5,085.2	4,648.7	18,029.0	
1974	24,067	20,897	2,130	47,094	9,157.2	5,098.6	5,082.6	19,338.4	
1975	20,647	19,959	1,878	42,484	8,600.8	4,506.8	4,453.2	17,560.9	
1976	22,958	23,935	2,296	49,189	10,411.6	5,227.6	5,209.7	20,848.8	
1977	24,099	24,999	2,525	51,624	10,647.4	5,629.7	5,833.8	22,110.9	
1978	22,110	23,511	1,877	47,497	9,964.6	5,096.1	5,526.1	20,586.9	
1979	23,742	25,600	2,139	51,480	10,714.7	5,605.8	6,244.5	22,565.1	
1980	23,232	27,136	2,269	52,637	11,399.5	5,391.1	6,161.2	22,951.8	

## CONSUMPTION OF MIXED FERTILIZERS AND DIRECT APPLICATION MATERIALS



## PLANT NUTRIENT CONSUMPTION

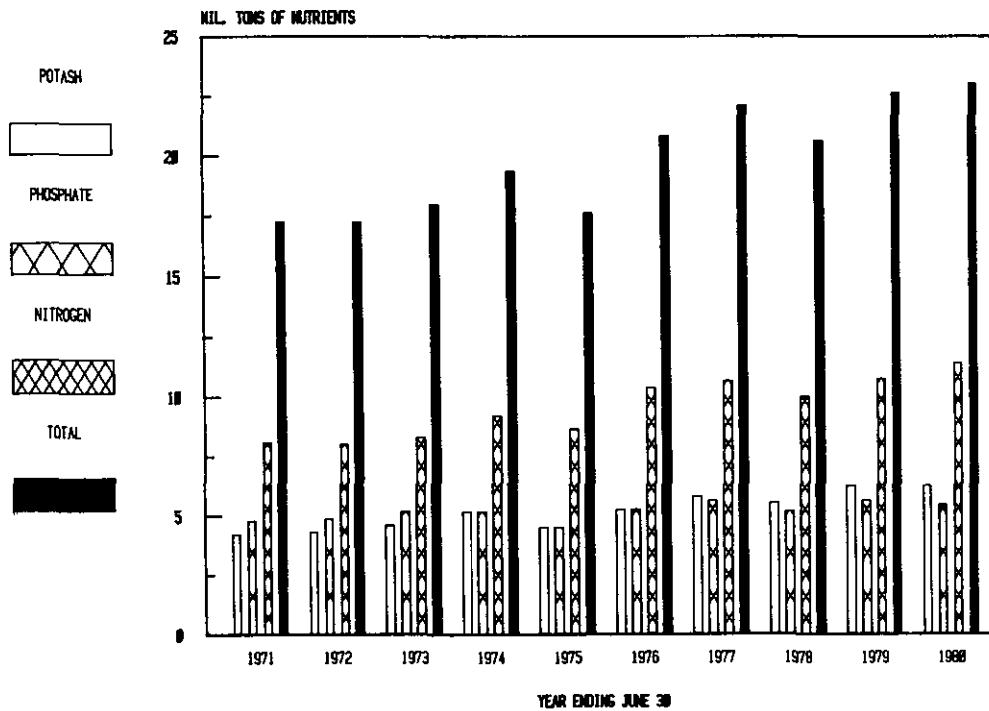


TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,  
YEARS ENDED JUNE 30, 1979 AND 1980 1/ 2/

KIND	UNITED STATES		1980			
	1979	1980	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	EAST NORTH CENTRAL
	<b>IONS</b>					
<b>MIXTURES<sup>1</sup></b>						
N-P-K	16,187,772	15,583,395	239,281	1,307,018	4,460,908	3,168,756
N-P	5,382,030	5,393,688	4,737	60,717	25,235	1,367,976
N-K	529,758	616,828	2,463	9,964	417,929	37,570
P-K	1,642,561	1,638,069	5,343	75,886	455,141	443,985
TOTAL	23,742,121	23,231,980	251,824	1,453,585	5,359,213	5,018,291
<b>NITROGEN MATERIALS</b>						
ANHYDROUS AMMONIA	4,883,959	5,487,740	175	32,751	51,206	1,232,541
AQUA AMMONIA	566,300	663,081	0	2	403	10,090
AMMONIUM NITRATE	2,507,546	2,640,949	2,864	36,438	311,974	146,111
AMMONIUM NITRATE-LIMESTONE	10,978	13,887	0	130	276	574
AMMONIUM SULFATE	778,237	838,339	686	12,956	17,468	57,838
CALCIUM CYANAMIDE	1,395	71	50	0	21	0
CALCIUM NITRATE	69,977	71,774	347	6,384	16,301	6,122
NITROGEN SOLUTIONS	6,073,617	6,615,394	5,415	219,714	1,154,219	1,816,629
SODIUM NITRATE	71,210	82,256	116	17,088	49,643	106
UREA	2,148,125	2,071,792	11,740	59,241	13,137	483,916
OTHER	455,215	556,087	5,414	58,550	25,909	139,163
TOTAL	17,566,559	19,041,370	26,807	443,254	1,640,557	3,993,490
<b>NATURAL ORGANIC MATERIALS</b>						
DRIED BLOOD	490	447	19	20	29	101
CASTOR POMACE	215	202	196	0	6	0
COMPOST	15,544	21,809	10,949	1,151	460	1,111
COTTONSEED MEAL	6,074	5,208	103	62	76	17
DRIED MANURE	191,625	160,959	6,902	16,581	32,986	10,228
ACTIVATED SEWAGE SLUDGE	61,479	39,846	2,565	4,911	13,706	6,588
OTHER SEWAGE SLUDGE	44,902	45,898	961	0	480	8,657
TANKAGE	1,091	1,950	3	33	611	3
OTHER	20,659	36,222	69	5,680	2,939	9,844
TOTAL	342,083	312,561	21,767	28,438	52,293	26,649
<b>PHOSPHATE MATERIALS</b>						
AMMONIUM PHOSPHATE 3/	583,056	595,920	1,937	11,284	34,612	580
BASIC SLAG	84,901	83,536	0	0	30,128	0
RAW AND STEAMED BONEMEAL	2,838	1,897	358	314	204	856
PHOSPHORIC SOLUTIONS	54,093	24,722	0	0	2,483	3,765
PHOSPHATE ROCK	12,412	10,286	25	21	1,535	1,036
COLLOIDAL PHOSPHATE	5,239	13,659	0	1,407	376	2,807
<b>SUPERPHOSPHATE GRADES:</b>						
18 PERCENT	12,526	36,908	0	821	56	28,875
19 PERCENT	1,805	1,807	62	0	1,602	0
20-22 PERCENT	73,424	83,541	295	77	18,348	740
23-44 PERCENT	361,638	386,109	485	14,935	4,874	217,147
45 PERCENT	322,917	249,266	0	0	17	27,274
46 PERCENT	490,005	495,946	2,750	9,100	11,742	272,009
47-54 PERCENT	74,463	33,051	0	3,826	0	2,380
OTHER	101,414	244,040	2,464	13,900	13,740	33,100
TOTAL	2,180,731	2,260,688	8,376	55,685	119,717	590,609
<b>POTASH MATERIALS<sup>1</sup></b>						
LINE POTASH	27,439	32,738	0	0	999	211
MANURE SALTS	7,553	11,656	0	607	2,572	3,475
POTASSIUM CHLORIDE	5,104,424	5,017,095	11,188	113,751	102,409	2,662,921
POTASSIUM MAGNESIUM SULFATE	105,053	127,113	530	2,313	30,800	13,885
POTASSIUM NITRATE 4/	7,137	20,472	136	43	5,153	491
POTASSIUM SODIUM NITRATE	76,485	78,376	2	4,066	66,005	586
POTASSIUM SULFATE	45,315	38,494	0	1,383	1,412	3,000
OTHER	136,798	195,906	34	12,994	20,948	63,825
TOTAL	5,510,204	5,521,850	11,890	135,157	230,298	2,748,814
<b>SECONDARY AND MICRONUTRIENT MATERIALS<sup>1</sup></b>						
ALUMINUM COMPOUNDS 5/	523	463	4	259	182	18
BORON COMPOUNDS 5/	7,770	6,441	51	265	992	1,247
CALCIUM SULFATE (GYPSUM)	1,666,668	1,861,815	158	1,882	268,039	2,295
COPPER COMPOUNDS 5/	1,207	965	1	28	384	34
IRON COMPOUNDS 5/	17,770	6,984	1	20	459	195
MAGNESIUM COMPOUNDS 5/	5,357	5,446	18	1,537	1,124	387
MANGANESE COMPOUNDS 5/	10,103	11,741	1	541	5,626	2,869
SULFUR 5/	165,073	140,004	0	50	9,687	4,187
SULFURIC ACID	46,627	59,518	0	0	122	0
ZINC COMPOUNDS 5/	81,955	63,562	6	27	2,743	1,256
OTHER	135,701	111,835	530	861	9,341	12,584
TOTAL	2,138,754	2,268,774	770	5,470	298,699	25,076
<b>TOTAL ALL FERTILIZERS</b>	<b>51,480,452</b>	<b>52,637,203</b>	<b>321,434</b>	<b>2,121,589</b>	<b>7,700,777</b>	<b>12,412,929</b>

SEE FOOTNOTES ON PAGE 7.

TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,  
YEARS ENDED JUNE 30, 1979 AND 1980 1/ 2/--CONTINUED

KIND	1980					
	WEST NORTH CENTRAL	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	ALASKA HAWAII PUERTO RICO
<b>IONS</b>						
<b>MIXTURES</b>						
N-P-K	2,318,794	1,499,004	1,711,970	123,171	605,645	148,848
N-P	2,219,975	222,607	796,205	342,580	330,979	22,677
N-K	22,808	4,384	27,632	23,284	13,548	57,246
P-K	214,579	222,832	215,656	2,322	2,243	78
TOTAL	4,776,156	1,948,827	2,751,463	491,357	952,415	228,849
<b>NITROGEN MATERIALS</b>						
ANHYDROUS AMMONIA	2,825,031	122,549	585,372	254,402	283,313	0
AQUA AMMONIA	13,793	2,152	12,488	33,285	577,771	13,097
AMMONIUM NITRATE	595,119	585,145	532,271	259,738	174,919	370
AMMONIUM NITRATE-LIMESTONE	5,009	2	0	6,464	1,432	0
AMMONIUM SULFATE	39,615	1,404	162,849	197,053	346,216	2,254
CALCIUM CYANAMIDE	0	0	0	0	0	0
CALCIUM NITRATE	27	4,237	17	1,264	37,002	73
NITROGEN SOLUTIONS	1,733,911	212,524	420,134	316,364	715,951	20,533
SODIUM NITRATE	64	7,548	2,512	0	5,170	9
URFA	714,242	131,744	331,250	117,317	200,509	8,696
OTHER	51,282	3,730	16,424	65,675	189,797	143
TOTAL	5,978,093	1,071,035	2,063,317	1,247,562	2,532,080	45,175
<b>NATURAL ORGANIC MATERIALS</b>						
DRIED BLOOD	0	0	0	0	278	0
CASTOR POMACE	0	0	0	0	0	0
COMPOST	3,246	0	0	2,392	2,500	0
COTTONSEED MEAL	0	0	3,571	1,300	79	0
DRIED MANURE	1,381	3,011	12,127	2,629	75,014	0
ACTIVATED SEWAGE SLUDGE	6,200	1,550	2,700	766	835	25
OTHER SEWAGE SLUDGE	1	3,883	28	251	31,637	0
TANKAGE	0	0	0	1,300	0	0
OTHER	1,930	0	97	123	14,540	0
TOTAL	12,758	8,444	18,523	8,761	124,883	25
<b>PHOSPHATE MATERIALS</b>						
AMMONIUM PHOSPHATE 3/	23,633	319	150,779	99,909	272,642	225
BASIC SLAG	0	45,625	1,325	0	0	6,458
RAW AND STEAMED BONEMEAL	3	0	0	1	117	4
PHOSPHORIC SOLUTIONS	5,275	0	1,983	6,869	4,347	0
PHOSPHATE ROCK	1,692	0	63	0	4,611	1,303
COLLOIDAL PHOSPHATE	4,927	20	0	4,100	22	0
<b>SUPERPHOSPHATE GRADES:</b>						
18 PERCENT	1,115	0	80	0	5,961	0
19 PERCENT	81	0	0	0	62	0
20-22 PERCENT	7,585	7,583	1,315	2,865	44,733	0
23-44 PERCENT	117,291	18,337	637	9,867	2,516	20
45 PERCENT	135,182	3,445	6,727	46,391	27,616	2,614
46 PERCENT	76,747	82,273	37,928	2,243	439	715
47-54 PERCENT	1,156	9,036	0	3,121	13,517	15
OTHER	3,749	1,798	35,633	5,585	133,966	105
TOTAL	378,436	168,436	236,470	180,951	510,549	11,459
<b>POTASH MATERIALS</b>						
LIME POTASH	930	298	26,726	3,515	59	0
MANURE SALTS	4,531	465	6	0	0	0
POTASSIUM CHLORIDE	1,644,997	296,603	71,551	32,137	78,769	2,759
POTASSIUM MAGNESIUM SULFATE	43,278	4,511	11,161	14,622	5,804	209
POTASSIUM NITRATE 4/	32	7	26	387	14,106	91
POTASSIUM SODIUM NITRATE	37	6,177	1,080	0	23	0
POTASSIUM SULFATE	403	21,271	131	3,493	5,828	1,573
OTHER	61,420	4,407	2,014	5,133	25,021	100
TOTAL	1,755,628	333,739	112,695	59,287	129,610	4,732
<b>SECONDARY AND MICRONUTRIENT MATERIALS</b>						
ALUMINUM COMPOUNDS 5/	0	0	0	0	0	0
BORON COMPOUNDS 5/	610	708	182	89	2,295	2
CALCIUM SULFATE (GYPSUM)	55,556	6,600	86	37,276	1,489,859	60
COPPER COMPOUNDS 5/	220	4	0	278	15	1
IRON COMPOUNDS 5/	2,057	0	59	1,606	1,163	1,424
MAGNESIUM COMPOUNDS 5/	1,255	50	0	140	484	451
MANGANESE COMPOUNDS 5/	1,431	109	4	482	642	36
SULFUR 5/	25,190	134	355	14,795	85,605	1
SULFURIC ACID	1,083	167	0	1,107	57,039	0
ZINC COMPOUNDS 5/	29,066	268	153	6,246	23,797	0
OTHER	34,724	15,744	1,401	14,847	21,709	94
TOTAL	151,192	23,784	2,240	76,866	1,682,608	2,069
<b>TOTAL ALL FERTILIZERS</b>	<b>13,052,263</b>	<b>3,554,265</b>	<b>5,184,708</b>	<b>2,064,784</b>	<b>5,932,145</b>	<b>292,309</b>

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

2/ STATES THAT ARE INCLUDED IN EACH REGION ARE DETAILED IN TABLE 19.

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 15.

TABLE 3 -- CONSUMPTION OF FERTILIZER MIXTURES AND DIRECT APPLICATION MATERIALS, YEARS ENDED JUNE 30, 1979 AND 1980 1/

STATE	MIXTURES		DIRECT APPLICATION MATERIALS 2/				TOTAL		
			PRIMARY NUTRIENT		SECONDARY AND MICRO-NUTRIENT		1979	1980	1980 AS PERCENT OF 1979
	1979	1980	1979	1980	1979	1980			
	--- T O N S ---								
ALA	711,463	634,446	339,255	340,353	19,720	12,505	1,070,438	987,304	92
ALAS	3,118	6,432	1,655	724	0	0	4,773	7,156	150
ARIZ	63,616	75,557	240,596	268,732	16,337	30,064	320,549	374,353	117
ARK	370,692	390,802	291,617	369,651	2,585	1,265	664,894	761,718	115
CALIF	708,015	712,154	1,862,206	2,101,243	1,448,687	1,656,604	4,018,908	4,470,001	111
COLO	79,213	122,898	297,726	361,746	9,044	8,666	385,983	493,310	128
CONN	38,831	38,831	20,704	20,704	431	432	59,966	59,967	100
DEL	60,946	81,096	47,778	57,566	236	20	128,960	138,682	108
D C	10,599	9,713	1,867	1,261	50	100	12,516	11,074	88
FLA	1,860,227	1,761,300	308,033	308,440	56,244	40,073	2,224,504	2,109,813	95
GA	1,324,990	1,238,284	716,623	727,787	205,893	202,536	2,247,506	2,168,607	96
HAW	119,866	108,590	58,783	57,647	2,456	2,069	181,105	168,306	93
IDAHO	122,786	118,068	447,316	442,518	20,829	20,472	590,931	581,058	98
ILL	1,455,968	1,434,667	2,761,740	3,059,258	251	3,275	4,217,959	4,497,200	107
IND	1,540,425	1,453,106	1,387,741	1,390,317	691	1,276	2,928,857	2,844,699	97
IOWA	1,288,187	1,239,505	2,590,695	2,624,819	55,060	37,539	3,933,942	3,901,863	99
KANS	460,379	489,194	1,086,937	1,136,963	31,015	45,124	1,578,331	1,671,281	106
KY	538,826	521,285	474,670	516,024	2,424	8,904	1,015,920	1,046,213	103
LA	416,715	416,615	215,111	215,111	0	0	631,826	631,726	100
MAINE	101,240	92,778	8,785	8,525	3	212	110,028	101,515	92
MD	304,454	299,416	150,166	145,742	293	142	454,913	445,300	98
MASS	58,397	50,417	11,393	15,207	224	117	70,014	65,741	94
MICH	685,086	669,367	610,937	597,254	12,443	5,939	1,308,466	1,272,560	97
MINN	756,213	744,945	1,618,676	1,556,063	14,737	12,067	2,389,626	2,313,075	97
MISS	417,011	382,700	335,958	362,312	237	67	753,206	745,079	99
MO	1,370,074	1,450,969	388,089	482,398	376	6,564	1,758,539	1,939,931	110
MONT	166,565	116,065	160,131	158,438	7,138	5,960	333,834	280,463	84
NEBR	423,569	442,362	1,440,135	1,549,052	37,594	42,075	1,901,298	2,033,489	107
NEV	5,192	5,228	20,073	17,275	1,632	7,162	26,897	29,665	110
N H	20,741	19,367	5,595	5,287	19	0	26,395	24,654	93
N J	160,171	161,418	34,301	34,268	1,956	3,201	196,428	198,887	101
N MEX	36,907	32,535	76,154	72,469	2,598	3,547	115,659	108,551	94
N Y	429,894	460,433	254,602	219,929	1,107	1,617	685,603	681,979	99
N C	1,307,702	1,254,052	538,734	560,234	88,971	22,221	1,935,407	1,836,507	95
N DAK	300,780	262,159	444,739	508,941	3,653	3,208	749,172	774,308	103
OHIO	1,040,960	1,023,630	1,182,929	1,339,931	5,340	4,149	2,229,229	2,367,710	106
OKLA	303,370	303,265	555,455	565,153	25	401	858,850	868,819	101
OREG	106,071	93,813	439,913	487,917	13,796	5,547	559,780	587,277	105
PA	402,363	406,530	176,381	169,317	302	375	579,046	576,222	100
R I	10,373	11,142	3,618	1,994	0	0	13,991	13,136	94
S C	568,253	556,322	247,186	255,761	5,308	7,689	820,747	819,772	100
S DAK	148,907	147,022	245,418	266,679	4,875	4,615	399,200	418,316	105
TENN	435,262	410,396	345,171	362,965	1,121	2,308	791,554	775,669	99
TEX	1,583,976	1,640,781	1,146,544	1,281,090	19	574	2,730,539	2,922,445	107
UTAH	11,326	14,853	104,584	111,477	84	377	115,994	126,707	109
VT	41,882	39,289	10,910	17,123	0	9	52,792	56,421	107
VA	578,294	549,255	194,725	190,643	27,855	26,180	800,874	766,078	96
WASH	162,669	146,448	676,923	707,962	26,695	20,457	866,286	874,867	101
W VA	27,580	34,979	33,120	34,451	34	15	60,734	69,445	114
WIS	461,461	437,521	917,052	982,802	8,070	10,437	1,386,583	1,430,760	103
WYO	12,035	6,153	64,622	63,906	296	618	76,953	70,677	92
P R	108,442	113,827	5,505	3,020	0	0	113,947	116,847	103
TOTAL	23,742,121	23,231,980	25,599,577	27,136,449	2,138,754	2,268,774	51,480,452	52,637,203	102

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



TABLE 4 -- SEMIANNUAL CONSUMPTION OF FERTILIZER MIXTURES AND MATERIALS,  
YEAR ENDED JUNE 30, 1980 1/

STATE	MIXTURES			MATERIALS 2/			TOTAL MIXTURES AND MATERIALS JUL 1 1979 TO JUN 30 1980
	JUL 1 TO DEC 31 1979	JAN 1 TO JUN 30 1980	TOTAL	JUL 1 TO DEC 31 1979	JAN 1 TO JUN 30 1980	TOTAL	
	<b>TONS</b>						
ALA	166,680	467,766	634,446	89,774	263,084	352,858	987,304
ALAS	1,930	4,502	6,432	189	535	724	7,156
ARIZ	34,099	41,458	75,557	123,978	174,818	298,796	374,353
ARK	105,007	285,795	390,802	119,106	251,310	370,916	761,718
CALIF	360,375	351,779	712,154	1,994,374	1,763,473	3,757,847	4,470,001
COLO	35,962	86,936	122,898	150,696	219,714	370,412	493,310
CONN	4,660	34,171	38,831	4,755	16,381	21,136	59,967
DEL	11,154	69,942	81,096	17,234	40,346	57,586	138,682
D C	3,659	6,054	9,713	570	791	1,361	11,074
FLA	686,907	1,074,393	1,761,300	111,524	236,989	348,513	2,109,813
GA	279,384	958,900	1,238,284	228,816	701,507	930,323	2,168,607
HAW	55,034	53,556	108,590	30,125	29,591	59,716	168,306
IDAHO	65,316	51,752	118,068	192,115	270,875	462,990	581,058
ILL	794,778	639,889	1,434,667	1,404,094	1,658,439	3,062,533	4,497,200
IND	557,568	895,538	1,453,106	482,367	909,226	1,391,593	2,844,699
IOWA	664,937	574,568	1,239,505	1,192,700	1,469,658	2,662,358	3,901,863
KANS	304,205	184,989	489,194	565,310	616,777	1,182,087	1,671,281
KY	111,315	409,970	521,285	140,768	384,160	524,928	1,046,213
LA	91,677	324,938	416,615	96,800	118,311	215,111	631,726
MAINE	19,483	73,295	92,778	1,747	6,990	8,737	101,515
MD	57,267	242,149	299,416	33,411	112,473	145,884	445,300
MASS	11,915	38,502	50,417	2,946	12,378	15,324	65,741
MICH	206,926	462,441	669,367	212,362	390,831	603,193	1,272,560
MINN	346,569	398,376	744,945	786,619	781,511	1,568,130	2,313,075
MISS	114,810	267,890	382,700	119,585	242,794	362,379	745,079
MO	647,622	803,347	1,450,969	91,283	397,679	488,962	1,939,931
MONT	52,858	63,207	116,065	53,886	110,512	164,398	280,463
NEBR	119,833	322,529	442,362	461,115	1,130,012	1,591,127	2,033,489
NEV	1,800	3,428	5,228	8,980	15,457	24,437	29,665
N H	6,340	13,027	19,367	1,500	3,787	5,287	24,654
N J	43,640	117,778	161,418	9,546	27,923	37,469	198,887
N MEX	12,290	20,245	32,535	29,036	46,980	76,016	108,551
N Y	154,112	306,321	460,433	62,288	159,258	221,546	681,979
N C	213,175	1,040,877	1,254,052	101,389	481,066	582,455	1,836,507
N DAK	87,972	174,187	262,159	209,569	302,580	512,149	774,308
OHIO	350,201	673,429	1,023,630	487,367	856,713	1,344,080	2,367,710
OKLA	183,428	119,837	303,265	329,182	236,372	565,554	868,819
ORE	40,865	52,948	93,813	182,109	311,355	493,464	587,277
PA	110,346	296,184	406,530	44,024	125,668	169,692	576,222
R I	1,671	9,471	11,142	399	1,595	1,994	13,136
S C	114,981	441,341	556,322	62,177	201,273	263,450	819,772
S DAK	55,902	91,120	147,022	120,870	150,424	271,294	418,316
TENN	109,504	300,892	410,396	124,993	240,280	365,273	775,669
TEX	565,321	1,075,460	1,640,781	445,710	835,954	1,281,664	2,922,445
UTAH	5,231	9,622	14,853	49,729	62,125	111,854	126,707
VT	9,822	29,467	39,289	3,426	13,706	17,132	56,421
VA	103,323	445,932	549,255	61,849	154,974	216,823	766,078
WASH	50,215	96,233	146,448	308,638	419,781	728,419	874,867
W VA	11,449	23,530	34,979	11,614	22,852	34,466	69,445
WIS	143,541	293,980	437,521	436,750	556,489	993,239	1,430,760
WYO	2,672	3,481	6,153	35,961	28,563	64,524	70,677
P R	47,446	66,381	113,827	1,208	1,812	3,020	116,847
<b>TOTAL</b>	<b>8,338,177</b>	<b>14,893,803</b>	<b>23,231,980</b>	<b>11,836,569</b>	<b>17,568,654</b>	<b>29,405,223</b>	<b>52,637,203</b>

1/ EXCLUDES LIMING MATERIALS.

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

2 5 2

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,  
YEARS ENDED JUNE 30, 1979, AND 1980

STATE	AMMONIA				AMMONIUM			
	ANHYDROUS		AQUA		NITRATE		SULPHATE	
	1979	1980	1979	1980	1979	1980	1979	1980
	--- TONS ---							
ALA	16,270	15,067	2,188	2,152	177,249	174,207	1	85
ALAS	0	0	0	0	590	370	0	0
ARIZ	39,155	56,315	23,306	17,014	5,585	4,922	8,174	7,944
ARK	6,284	9,534	54	0	57,005	80,599	0	0
CALIF	176,098	187,421	338,586	395,794	80,767	94,924	246,104	239,113
COLO	69,688	95,151	204	421	63,701	59,660	23,593	28,458
CONN	0	0	0	0	111	111	2	2
DEL	1,045	729	0	0	2,197	3,977	2,102	3,953
D C	0	0	0	0	100	0	0	0
FLA	8,223	6,264	0	0	74,402	75,863	7,165	6,926
GA	33,145	27,240	4	0	140,948	146,521	3,594	4,888
HAW	0	0	1,965	11,889	713	0	1,549	1,197
IDAHO	65,624	57,851	7,166	15,811	68,421	67,633	111,758	109,355
ILL	567,573	708,860	0	0	50,714	63,861	4,836	7,253
IND	243,401	257,282	2,065	2,994	1,894	2,558	14,092	16,193
IOWA	651,662	766,337	0	4,621	77,342	68,699	8,458	6,444
KANS	436,820	481,531	120	456	177,658	179,224	2,727	4,916
KY	34,013	51,298	0	0	126,617	148,802	1,093	1,269
LA	26,651	26,651	337	337	85,039	85,039	21,435	21,435
MAINE	0	0	0	0	1,573	1,664	14	499
MD	9,979	10,430	0	0	7,973	7,236	1,818	3,188
MASS	4	3	0	0	349	424	23	28
MICH	111,475	108,450	1,775	1,382	25,000	26,826	7,088	7,631
MINN	413,258	421,032	3,715	1,512	21,459	58,320	7,186	8,444
MISS	42,766	39,874	0	0	152,276	156,427	0	0
MO	105,273	131,435	0	0	96,842	101,694	21	155
MONT	6,576	8,255	0	0	66,088	59,615	5,469	15,244
NEBR	610,715	692,939	2,910	4,531	104,304	102,146	8,742	20,218
NEV	885	556	0	0	1,005	847	3,847	1,978
N H	0	0	0	0	283	324	174	98
N J	164	210	9	2	3,004	3,360	303	16
N MEX	15,475	19,780	51	0	1,726	2,876	4,144	4,104
N Y	11,838	16,551	0	0	13,448	10,968	980	1,173
N C	14,723	13,997	136	288	54,949	53,096	1,959	2,791
N DAK	224,475	272,670	0	0	22,164	26,011	2,227	1,441
OHIO	149,959	161,287	25	169	13,828	15,436	14,343	18,086
OKLA	200,387	211,175	0	0	138,826	133,398	3,634	4,531
OREG	21,771	21,944	24,968	27,944	20,482	24,592	66,049	75,176
PA	3,574	4,831	36	0	3,394	5,690	5,711	3,016
R I	0	0	0	0	34	12	0	0
S C	3,502	3,422	157	107	29,029	24,706	1,481	1,493
S DAK	40,451	59,087	1,879	2,673	50,241	59,025	1,058	0
TENN	11,104	16,310	0	0	92,931	105,709	0	58
TEX	317,287	338,012	7,682	12,151	239,793	233,235	112,838	136,863
UTAH	5,430	5,647	0	0	34,101	37,510	28,253	33,686
VT	0	172	0	0	329	329	0	59
VA	120	283	0	8	12,820	11,788	911	1,370
WASH	83,449	73,948	140,135	154,033	45,261	55,403	34,237	31,927
W VA	0	0	0	0	4,704	5,207	0	1,610
WIS	92,113	97,062	4,667	5,545	26,883	37,430	6,004	8,475
WYO	11,404	10,847	0	39	31,394	22,675	309	314
P R	150	0	2,160	1,208	0	0	2,731	1,057
TOTAL	4,883,959	5,487,740	566,300	663,081	2,507,546	2,640,949	778,237	838,339

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,  
YEARS ENDED JUNE 30, 1979, AND 1980--CONTINUED

STATE	NITROGEN SOLUTIONS		SODIUM NITRATE		UREA		AMMONIUM NITRATE-LIMESTONE	
	1979	1980	1979	1980	1979	1980	1979	1980
- - - - TONS - - - -								
ALA	64,935	66,786	1,329	754	3,268	2,072	277	2
ALAS	0	0	0	0	900	159	0	0
ARIZ	80,938	96,036	0	0	29,128	34,322	6,326	6,461
ARK	23,088	43,622	1,458	1,903	163,623	195,963	9	0
CALIF	439,265	528,857	4,440	5,170	68,560	61,679	2,464	1,432
COLO	93,215	109,715	0	0	9,361	10,484	0	0
CONN	0	0	43	43	3,662	3,662	0	0
DEL	24,278	25,478	35	9	1,936	1,580	0	0
D C	100	0	0	0	131	108	0	0
FLA	72,322	70,371	1,441	2,173	5,487	3,322	870	46
GA	407,765	405,029	4,548	4,144	1,540	2,788	78	30
HAW	0	20,533	24	9	20,757	8,378	0	0
IDAHO	60,938	61,206	0	0	39,636	34,723	0	0
ILL	652,914	660,170	0	1	133,024	143,969	0	0
IND	463,629	501,395	0	0	27,471	31,677	6	574
IOWA	546,566	536,808	0	0	242,210	200,930	3	3,189
KANS	294,700	298,753	0	0	75,600	60,571	0	0
KY	47,506	56,141	1,023	937	37,691	35,455	12	0
LA	16,058	16,058	469	469	20,962	20,962	0	0
MAINE	0	12	0	2	2,774	2,170	0	0
MD	64,562	78,417	1,024	752	14,167	7,013	0	0
MASS	484	245	64	31	2,842	2,451	0	0
MICH	109,994	105,934	777	10	77,699	79,989	0	0
MINN	168,516	181,754	0	1	225,490	192,149	16	0
MISS	41,962	49,133	5,420	4,564	45,176	60,044	0	0
MO	98,721	128,118	162	48	46,546	71,156	159	561
MONT	6,846	8,401	0	0	34,485	23,570	250	0
NEBR	457,976	493,626	0	0	54,520	45,309	0	0
NEV	6,912	3,221	0	0	516	516	6	3
N H	0	0	2	0	1,304	517	0	0
N J	4,945	5,860	754	623	5,541	4,177	13	32
N MEX	15,679	21,357	0	0	5,019	4,899	0	0
N Y	46,850	49,288	1,070	15,568	35,275	6,363	62	0
N C	342,717	369,501	34,445	33,161	1,940	2,443	136	177
N DAK	66,475	64,341	0	15	78,659	94,666	0	0
OHIO	306,227	376,701	157	95	139,912	152,276	3	0
OKLA	68,134	84,416	152	140	60,058	43,482	0	0
OREG	58,656	56,134	0	0	72,277	79,913	0	0
PA	51,608	60,671	63	11	41,439	36,708	8	98
R I	0	0	12	40	680	45	0	0
S C	158,987	169,734	7,193	6,989	968	744	0	0
S DAK	59,049	30,511	0	0	50,481	49,461	243	1,259
TENN	33,494	40,464	1,355	1,293	27,633	34,173	0	0
TEX	219,772	276,038	0	0	66,406	70,873	0	0
UTAH	2,337	1,320	0	0	5,158	5,183	0	0
VT	1,538	5,198	0	0	2,650	2,895	0	0
VA	137,187	139,584	3,567	3,176	4,091	3,840	37	23
WASH	117,962	130,960	0	0	69,001	58,917	0	0
W VA	25	0	163	125	3,124	3,292	0	0
WIS	125,400	172,429	0	0	85,728	76,005	0	0
WYO	12,385	15,108	0	0	1,612	3,620	0	0
P R	0	0	0	0	37	159	0	0
TOTAL	6,073,617	6,615,394	71,210	82,256	2,148,125	2,071,792	10,978	13,887

TABLE 6 -- DIRECT APPLICATION NITROGEN, AND SECONDARY AND MICRONUTRIENT MATERIALS CONSUMPTION,  
YEARS ENDED JUNE 30, 1979, AND 1980

STATE	NITROGEN MATERIALS		SECONDARY AND MICRONUTRIENT			
	OTHER		GYPSUM		OTHER	
	1979	1980	1979	1980	1979	1980
	----- TONS -----					
ALA	533	559	195	291	19,525	12,214
ALAS	0	0	0	0	0	0
ARIZ	1,619	1,280	8,623	23,503	7,714	6,561
ARK	5,180	6,098	0	0	2,585	1,265
CALIF	79,845	82,549	1,297,247	1,480,514	151,440	176,090
COLO	506	25,611	1,947	1,062	7,097	7,604
CONN	1,361	1,361	80	80	351	352
DEL	55	46	0	0	236	20
D C	25	3	0	0	50	100
FLA	6,674	6,317	25,984	21,295	30,260	19,778
GA	2,879	3,972	199,899	198,002	5,994	4,534
HAW	53	73	0	60	2,456	2,009
IDAHO	27,823	28,868	3,472	4,807	17,357	15,668
ILL	23,793	20,880	1	76	250	3,199
IND	93,503	101,897	12	739	679	537
IOWA	7,136	7,921	1,306	13,168	53,754	24,371
KANS	1,411	3,928	0	33,103	31,015	12,021
KY	4,468	3,164	0	5,338	2,424	3,566
LA	717	717	0	0	0	0
MAINE	4	0	0	0	3	212
MD	578	31	0	0	293	142
MASS	303	311	45	78	179	39
MICH	8,237	6,764	0	1,115	12,443	4,824
MINN	1,338	8,558	4,060	2,660	10,677	9,407
MISS	0	0	185	0	52	67
MO	994	1,111	130	6,491	246	73
MONT	0	0	3,227	958	3,911	5,002
NEBR	1,610	657	231	90	37,363	41,985
NEV	1,237	1,439	703	6,604	929	558
N H	124	194	0	0	19	0
N J	1,293	1,768	870	1,746	1,086	1,455
N MEX	2,960	2,908	0	38	2,598	3,509
N Y	44,718	49,303	0	2	1,107	1,615
N C	18,897	20,873	71,612	21,390	17,359	831
N DAK	0	262	10	43	3,643	3,165
OHIO	9,175	11,791	479	350	4,861	3,799
OKLA	48	73	0	69	25	332
OREG	54,421	74,183	8,004	1,681	5,792	3,866
PA	913	911	0	134	302	241
R I	0	0	0	0	0	0
S C	5,549	4,858	3,927	3,792	1,381	3,897
S DAK	1,702	28,872	0	1	4,875	4,614
TENN	2,858	4,244	30	971	1,091	1,337
TEX	15,659	9,553	0	17	19	557
UTAH	5,264	5,149	2	300	82	77
VT	1,826	3,945	0	0	0	9
VA	6,473	6,211	24,839	23,560	3,016	2,620
WASH	72,123	70,067	8,615	7,664	18,080	12,793
W VA	7,068	12,872	0	0	34	15
WIS	3,006	3,953	933	19	7,137	10,418
WYO	625	1,684	0	4	296	614
P R	3	143	0	0	0	0
TOTAL	526,587	627,932	1,666,668	1,861,815	472,086	406,959

TABLE 7 -- DIRECT APPLICATION PHOSPHATE MATERIALS CONSUMPTION,  
YEARS ENDED JUNE 30, 1979, AND 1980

STATE	PHOSPHATE ROCK		SUPERPHOSPHATES				AMMONIUM PHOSPHATES		OTHER PHOSPHATES	
	1/		22 PERCENT & UNDER		OVER 22 PERCENT		2/			
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
- - - - TONS - - - -										
ALA	0	0	4,829	5,107	9,970	13,408	54	255	23,130	20,769
ALAS	0	0	0	0	0	15	55	60	0	0
ARIZ	0	0	484	39	2,396	3,025	36,655	35,254	5,799	5,010
ARK	0	0	222	472	7,601	5,261	1,273	792	2	0
CALIF	6,940	4,584	28,704	45,093	33,358	32,477	186,053	172,918	17,187	85,988
COLO	75	0	10	93	9,756	6,726	7,545	4,048	247	1,758
CONN	4	4	94	94	427	427	1,697	1,697	2,469	2,469
DEL	0	0	0	0	2,541	3,078	0	0	33	77
D C	0	0	1	10	9	0	0	0	0	0
FLA	1,531	951	10,557	9,718	1	0	2,090	2,337	9,791	11,651
GA	0	0	4,649	5,073	6,291	6,730	28,839	30,415	22,427	24,276
HAJ	1,041	1,303	0	0	5,416	3,334	1,024	165	6,657	6,467
IDAH0	0	0	111	130	21,317	24,710	25,193	26,156	4,705	3,825
ILL	0	0	1,043	1,565	252,379	269,854	475	0	9,000	13,156
IND	751	835	42	141	77,207	63,699	0	0	0	0
IOWA	2,049	4,457	1,561	1,315	158,932	151,279	1,402	1,460	444	2,275
KANS	0	0	1,629	4,837	26,100	26,676	5,071	3,996	295	836
KY	0	20	175	92	58,051	54,747	2	41	34	72
LA	0	0	147	147	1,623	1,623	165	165	2,909	2,909
MAINE	0	2	71	20	142	132	0	8	37	46
MD	0	0	137	4	10,676	8,848	0	0	0	14
MASS	14	15	150	197	387	369	0	0	181	244
MICH	332	0	341	18	21,021	16,141	193	450	101	774
MINN	1,210	1,859	15	113	93,366	75,816	20,664	3,526	6,163	2,954
MISS	0	0	1,347	513	6,224	9,036	12	23	20,749	26,574
MO	1	14	23	65	3,636	3,949	23	231	45	679
MONT	0	0	0	0	7,977	6,274	16,626	19,574	824	786
NEBR	0	0	2,942	2,451	46,835	38,168	10,740	8,332	0	497
NEV	0	0	168	1,278	555	1,149	3,353	3,757	15	13
N H	29	2	8	35	257	1,024	21	20	65	14
N J	0	10	45	164	1,481	1,359	64	228	287	284
N MEX	0	4,100	20	0	15,963	2,157	7,342	2,695	14	8
N Y	393	461	1,836	811	9,625	9,838	0	3	24,640	11,680
N C	0	0	11,911	3,752	7,729	5,436	100	0	6,230	2,232
N DAK	0	205	0	0	19,684	21,443	4,029	5,644	598	3
OHIO	1,023	354	891	545	100,328	117,763	10	0	461	664
OKLA	194	63	595	776	27,658	26,411	6,079	16,825	3,095	2,289
OREG	64	0	5,859	5,403	3,539	4,253	65,269	65,207	10,932	16,167
PA	1,657	957	360	73	9,394	3,882	13,928	11,053	1,718	636
R I	0	0	6	6	52	6	894	212	48	45
S C	0	0	586	1,327	2,788	2,007	1,733	1,847	7,286	7,744
S OAK	23	84	68	0	14,659	13,045	507	444	4,391	1,783
TENN	0	0	0	1,871	43,106	35,900	0	0	0	8
TEX	0	0	1,121	0	12,320	11,997	80,256	132,997	33,965	33,743
UTAH	0	0	1,351	1,325	17,681	14,280	4,200	4,368	80	184
VT	0	2	0	5	1,366	1,277	0	0	0	4
VA	51	960	349	136	4,271	2,460	3,805	13	241	652
WASH	13	49	1,032	260	8,692	7,358	42,955	34,517	1,758	36,275
W VA	0	0	0	0	4,753	4,215	0	0	5,450	0
WIS	256	2,654	2,293	27,346	61,063	51,353	33	130	21,874	23,167
WYO	0	0	0	0	3,746	3,301	427	4,057	1,514	871
P R	0	0	0	0	2	15	200	0	0	100
TOTAL	17,651	23,945	87,782	122,420	1,234,351	1,165,731	583,056	595,920	257,891	352,672

1/ INCLUDES COLLOIDAL PHOSPHATE. 2/ TOTAL OF 11-48=0, 13-39=0, 16-20=0, 21-83=0 AND 27-14=0.

TABLE B -- DIRECT APPLICATION POTASH AND NATURAL ORGANIC MATERIALS CONSUMPTION,  
YEARS ENDED JUNE 30, 1979, AND 1980

STATE	POTASH MATERIALS				NATURAL ORGANICS	
	CHLORIDE 50-62 PERCENT GRADES		OTHER		1979	1980
	1979	1980	1979	1980		
	- - - - TONS - - - -					
ALA	18,820	22,754	11,705	11,993	4,697	4,383
ALAS	100	45	10	75	0	0
ARIZ	381	460	0	0	650	650
ARK	22,305	23,260	1,359	1,647	2,154	500
CALIF	18,131	17,922	10,800	38,368	122,904	106,954
COLO	11,530	10,710	5,028	7,625	3,267	1,286
CONN	2,507	2,507	64	64	8,263	8,263
DEL	12,936	17,786	27	0	593	853
D C	89	5	35	15	1,377	1,120
FLA	20,893	21,786	60,255	60,073	26,331	30,642
GA	23,482	27,477	28,065	31,950	8,369	7,254
HA W	18,223	2,711	1,361	1,588	0	0
IDAHO	9,405	9,109	5,219	7,141	0	0
ILL	1,058,392	1,159,604	2,691	5,535	4,906	4,550
IND	429,492	352,289	34,188	58,783	0	0
IOWA	891,075	867,065	1,054	1,219	801	800
KANS	64,006	70,439	0	0	800	800
KY	144,163	139,620	19,412	21,605	410	2,761
LA	7,538	7,538	26,867	26,867	4,194	4,194
MAINE	2,016	1,575	134	288	2,020	2,107
MD	33,549	26,464	1,324	1,040	4,379	4,305
MASS	2,455	2,290	300	243	3,837	8,356
MICH	227,124	221,271	5,156	5,680	14,624	15,734
MINN	648,755	594,221	5,052	6,204	2,473	1,600
MISS	19,692	15,824	4	0	330	300
MO	29,718	29,496	3,703	5,848	2,202	7,838
MONT	0	10,522	15,020	6,197	0	0
NEBR	65,849	63,829	72,192	75,552	800	800
NEV	2	16	69	11	1,503	2,491
N H	1,581	1,606	31	54	1,716	1,399
N J	5,278	6,776	612	788	10,508	8,611
N MEX	671	0	4,651	5,920	2,439	1,665
N Y	49,211	32,512	6,495	6,857	8,161	8,553
N C	19,197	26,336	18,900	19,563	4,765	6,588
N DAK	24,311	0	0	21,734	2,117	506
OHIO	430,408	466,105	4,327	3,955	11,852	14,704
OKLA	35,543	34,355	4,561	3,678	4,491	3,571
OREG	27,543	30,467	6,735	5,535	1,349	999
PA	29,041	30,135	2,061	6,510	11,476	4,135
R I	391	0	0	0	1,501	1,628
S C	14,596	15,562	10,114	11,398	3,217	3,823
S DAK	20,279	19,947	189	74	198	414
TENN	127,696	118,405	3,660	3,538	1,334	1,000
TEX	7,574	6,398	11,005	8,952	20,866	10,258
UTAH	729	250	0	5	0	2,600
VT	3,201	3,210	0	53	0	14
VA	14,449	11,248	2,565	4,905	3,788	3,986
WASH	34,967	30,380	8,448	6,938	16,890	16,930
W VA	6,600	73	71	6,196	1,162	861
WIS	467,583	463,662	9,801	11,930	10,348	1,661
WYO	945	1,070	240	251	21	69
P R	2	3	220	310	0	25
TOTAL	5,104,424	5,017,095	405,780	504,755	342,083	312,541

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,  
YEARS ENDED JUNE 30, 1979 AND 1980 (CONTINUED)

STATE	MIXTURES AND DIRECT APPLICATION MATERIALS								1980 AS PERCENT OF 1979 PERCENT
	N		AVAILABLE P <sub>2</sub> O <sub>5</sub>		K <sub>2</sub> O		TOTAL		
	1979	1980	1979	1980	1979	1980	1979	1980	
	NUTRIENT TONS								
ALA	151,936	143,122	112,743	102,903	137,743	123,686	402,422	369,711	92
ALAS	1,062	1,137	747	1,370	462	953	2,271	3,460	152
ARIZ	92,995	115,610	35,335	38,785	3,621	515	131,951	154,910	117
ARK	141,154	173,025	69,119	65,821	85,419	93,594	295,691	332,440	112
CALIF	575,090	649,852	208,648	220,356	69,437	82,453	853,175	952,662	112
COLO	125,991	166,924	32,072	44,415	10,942	11,034	169,006	222,372	132
CONN	7,556	7,561	5,284	5,284	5,136	5,136	17,976	17,980	100
DEL	17,655	18,326	13,602	13,935	20,637	25,063	51,894	57,324	110
D C	1,944	1,863	751	628	741	702	3,441	3,193	93
FLA	258,843	249,569	127,473	111,409	288,535	277,387	674,851	638,365	95
GA	280,606	272,716	160,462	151,025	248,505	234,464	689,573	658,205	95
HAW	26,173	25,093	25,789	19,232	28,224	18,901	80,185	63,226	79
IDAHO	173,969	164,814	56,267	57,507	14,940	8,414	245,196	230,735	94
ILL	906,122	1,034,127	536,952	543,582	785,320	847,030	2,228,394	2,424,739	109
IND	492,629	513,955	336,160	309,273	545,072	492,761	1,373,862	1,315,989	96
IOWA	1,003,638	1,069,024	496,700	481,263	641,864	627,346	2,142,203	2,177,633	102
KANS	603,892	638,527	194,503	205,490	50,081	55,457	848,477	899,474	106
KY	157,341	176,798	140,810	135,111	166,930	165,184	465,081	477,692	103
LA	108,230	108,437	66,379	66,333	80,705	80,680	255,314	255,451	100
MAINE	13,571	12,615	14,713	13,278	15,120	13,615	43,403	39,508	91
MO	66,522	65,574	54,639	47,487	67,413	61,267	188,574	174,329	92
MASS	10,275	9,092	6,220	5,462	7,530	6,380	24,025	20,934	87
MICH	239,842	236,482	173,699	163,398	249,769	245,771	663,310	645,650	97
MINN	612,371	617,743	331,842	302,246	439,291	406,805	1,383,505	1,326,793	96
MISS	150,784	157,263	73,941	73,537	94,931	86,178	319,656	316,978	99
MO	360,095	411,065	209,614	218,216	286,046	306,774	855,755	936,056	109
MONT	76,382	64,889	78,997	57,452	10,292	8,758	165,671	131,099	79
NEBR	752,313	826,266	176,145	172,627	68,789	67,727	997,246	1,066,620	107
NEV	5,796	4,422	2,084	2,408	191	254	8,071	7,085	88
N H	3,436	2,972	2,548	2,700	3,563	3,350	9,547	9,022	94
N J	25,025	24,982	18,848	18,563	22,011	22,869	65,884	66,414	101
N MEX	28,421	30,844	21,357	11,282	2,656	2,506	52,435	44,632	85
N Y	107,817	107,246	90,120	82,226	94,704	89,773	292,641	279,245	95
N C	235,170	236,347	158,643	140,973	225,966	227,671	619,778	604,991	98
N DAK	294,860	336,253	132,609	116,388	23,987	20,077	451,456	472,718	105
OHIO	392,344	424,700	308,833	307,630	415,913	434,873	1,117,090	1,167,203	104
OKLA	303,610	308,230	112,720	113,744	40,646	39,931	456,976	461,905	101
OREG	138,373	151,775	49,322	45,477	24,618	25,963	212,312	223,215	105
PA	60,938	85,313	76,123	71,481	74,653	75,067	231,714	231,861	100
R I	1,657	1,351	1,588	1,251	1,267	1,059	4,513	3,661	81
S C	90,095	91,491	64,905	60,534	119,692	121,214	274,692	273,239	99
S DAK	116,079	133,087	60,837	57,991	17,209	16,457	194,126	207,535	107
TENN	109,421	118,749	120,636	108,875	135,475	129,543	365,533	357,166	98
TEX	732,794	758,075	289,603	286,707	116,251	103,434	1,138,648	1,148,217	101
UTAH	29,242	32,773	13,109	10,667	866	624	43,218	44,063	102
VT	7,273	8,707	6,813	6,138	7,729	7,818	21,814	22,664	104
VA	98,393	94,204	74,207	64,308	95,463	93,445	268,082	251,957	94
WASH	238,147	234,782	67,432	76,130	33,104	27,400	338,683	338,312	100
W VA	7,674	11,206	8,454	9,320	7,700	7,522	23,827	28,048	118
WIS	216,387	228,375	171,511	156,462	343,999	342,499	731,897	727,335	99
WYO	26,872	24,823	7,435	6,227	682	712	34,989	31,762	91
P R	15,890	17,334	6,496	6,199	12,699	13,125	35,085	36,658	104
TOTAL	10,714,719	11,399,508	5,605,840	5,391,106	8,244,540	6,161,221	22,565,099	22,951,835	102

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

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,  
YEARS ENDED JUNE 30, 1979 AND 1980 1/

STATE	NUTRIENT TONS								1980 AS PERCENT OF 1978 PERCENT
			MIXTURES				TOTAL		
	1979	1980	AVAILABLE P 2 5	K 2	1979	1980	1979	1980	
ALA	57,695	49,413	165,028	92,817	123,370	106,257	286,092	250,488	88
ALAS	449	933	721	1,339	396	890	1,566	3,161	202
ARIZ	7,875	10,677	19,723	25,368	3,390	236	30,968	36,421	118
ARK	32,412	32,248	65,354	63,184	71,657	79,271	169,423	174,703	103
CALIF	46,351	95,920	120,656	101,217	50,761	51,427	259,768	248,565	96
COLO	12,294	18,982	24,565	39,837	2,197	1,853	39,061	60,672	155
CONN	5,017	5,017	3,220	3,220	3,448	3,448	11,685	11,685	100
DEL	7,422	7,191	12,415	12,485	12,722	14,187	32,559	33,863	104
D C	1,726	1,783	719	601	654	679	3,160	3,063	97
FLA	191,127	184,053	121,049	103,378	264,067	252,386	576,242	539,817	94
GA	75,668	70,609	142,027	128,430	227,626	210,576	445,321	409,615	92
HAW	15,495	14,860	22,159	17,027	16,584	16,542	54,239	48,429	89
IDAHO	24,197	23,392	38,111	39,279	6,698	1,086	69,006	63,757	92
ILL	169,533	168,804	417,935	414,795	148,650	148,533	736,118	732,133	99
IND	102,754	95,250	300,967	280,092	277,121	263,753	680,841	639,095	94
IOWA	172,565	166,566	425,766	410,833	102,568	99,561	700,899	676,960	97
KANS	66,841	69,375	181,089	191,325	11,674	13,191	259,604	273,891	106
KY	54,695	51,534	114,413	110,230	71,118	70,915	240,136	232,678	97
LA	36,157	38,119	64,566	64,461	73,347	73,323	176,010	175,903	100
MAINE	11,727	10,914	14,584	13,161	13,931	12,551	40,142	36,626	91
MD	28,947	26,934	49,757	44,345	46,270	44,631	124,974	115,911	93
MASS	8,459	7,428	5,657	5,007	5,907	4,791	20,224	17,226	85
MICH	69,541	68,539	163,436	155,338	111,210	116,942	344,227	334,818	97
MINN	106,230	106,061	276,536	265,807	48,270	48,171	433,035	420,060	97
MISS	31,512	30,349	68,882	66,814	82,916	76,523	183,309	173,686	95
MO	190,835	198,656	207,932	215,928	267,326	287,466	666,093	702,050	105
MONT	27,475	18,812	70,794	49,973	1,325	773	99,594	69,558	70
NEBR	57,255	57,139	151,839	152,765	12,143	13,271	221,236	223,176	101
NEV	666	927	990	822	162	211	1,817	1,960	108
N H	2,639	2,532	2,366	2,182	2,546	2,328	7,550	7,042	93
N J	18,991	19,102	17,789	17,579	18,328	18,180	55,109	54,861	100
N MEX	5,422	3,764	12,563	9,551	1,023	1,093	19,008	14,447	76
N Y	45,200	48,583	68,617	73,324	62,921	68,233	176,738	190,140	108
N C	47,695	85,146	150,374	136,930	211,032	207,929	449,102	430,005	96
N DAK	47,619	41,634	122,206	105,410	9,338	7,043	179,363	154,087	86
OHIO	107,831	105,124	262,891	253,605	153,298	151,506	524,019	510,234	97
OKLA	43,662	43,148	96,585	93,876	18,228	18,453	158,475	155,477	98
OREG	17,383	16,211	27,492	24,835	5,617	6,062	50,493	47,107	93
PA	40,945	43,582	63,492	63,855	56,144	54,710	160,622	162,147	101
R I	1,107	1,233	1,038	1,082	1,011	1,039	3,157	3,353	106
S C	28,336	28,037	60,150	54,943	107,027	107,262	195,513	190,242	97
S DAK	25,242	24,266	50,913	51,641	4,971	4,434	81,127	80,341	99
TENN	46,508	42,169	100,776	91,951	55,807	55,600	203,091	189,720	93
TEX	242,730	222,122	260,831	249,136	107,770	96,594	611,331	567,852	93
UTAH	2,199	3,080	1,903	2,781	421	374	4,523	6,235	138
VT	4,885	4,221	6,185	5,549	5,808	5,877	16,858	15,646	93
VA	46,053	43,696	70,188	62,765	86,073	85,111	204,315	191,572	94
WASH	24,490	22,710	52,902	49,958	7,986	5,327	85,379	77,994	91
W VA	2,503	3,723	3,819	7,420	3,700	3,772	10,022	14,915	149
WIS	54,081	48,700	133,460	119,362	60,013	60,126	247,554	228,188	92
WYO	2,015	1,109	4,784	2,117	37	50	6,836	3,275	48
P R	14,690	16,758	6,380	6,145	12,594	12,984	33,673	35,888	107
TOTAL	2,573,382	2,501,355	4,768,743	4,555,808	3,049,101	2,983,531	10,391,225	10,040,695	97

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



TABLE 10 -- NITROGEN CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,  
YEAR ENDED JUNE 30, 1980

STATE	AMMONIA		AMMONIUM		NITROGEN SOLUTIONS	SODIUM NITRATE	UREA	AMMONIUM NITRATE- LIMESTONE	PHOSPHATE MATERIALS	NATURAL ORGANICS	OTHER NITROGEN MATERIALS
	ANHYDROUS	AQUA	NITRATE	SULFATE							
	NUTRIENT TONS										
ALA	12,355	463	58,359	18	20,168	121	943	0	228	75	979
ALAS	0	0	124	0	0	0	72	0	8	0	0
ARIZ	46,178	3,403	1,649	1,668	29,529	0	15,617	1,121	5,334	35	200
ARK	7,818	0	27,001	0	13,867	304	89,163	0	126	17	2,481
CALIF	153,685	79,159	31,800	50,214	145,585	827	28,372	243	40,214	1,957	21,876
COLO	78,024	86	19,986	5,834	27,394	0	4,770	0	525	26	11,297
CONN	0	0	37	0	0	7	1,685	0	187	223	465
DEL	594	0	1,332	810	7,646	1	719	0	2	20	7
D C	0	0	0	0	0	0	49	0	0	30	1
FLA	5,136	0	25,414	1,420	21,111	348	1,512	8	1,318	1,084	8,165
GA	22,337	0	49,085	1,024	121,601	663	1,282	6	4,051	183	1,675
HAW	0	2,102	0	245	6,023	1	3,812	0	26	0	23
IDAH	47,438	3,241	22,657	22,125	19,542	0	15,973	0	4,081	0	6,365
ILL	581,265	0	21,393	1,523	188,687	0	66,226	0	1,526	227	4,476
IND	210,971	614	857	3,401	141,733	0	14,413	149	0	0	46,567
IOWA	628,396	947	23,014	1,327	153,811	0	91,598	654	306	43	2,362
KANS	394,855	93	60,040	1,008	84,446	0	27,560	0	634	43	471
KY	42,064	0	49,849	266	16,039	150	16,280	0	9	71	536
LA	21,554	62	24,486	4,501	5,134	75	9,528	0	26	109	536
MAINE	0	0	557	102	4	0	987	0	2	48	0
MD	8,553	0	2,424	654	23,525	120	3,191	0	0	99	74
MASS	2	0	142	6	77	5	1,127	0	5	199	101
MICH	88,929	283	8,987	1,645	29,763	2	36,795	0	121	242	1,177
MINN	345,246	303	19,537	1,353	51,806	0	88,382	0	602	86	4,344
MISS	32,697	0	52,403	0	13,757	730	27,320	0	4	3	0
MO	107,777	0	34,067	33	37,606	8	32,237	116	37	279	250
MONT	6,769	0	19,971	3,201	2,100	0	10,724	0	3,311	0	0
NEBR	568,210	906	34,219	4,245	139,088	0	20,842	0	1,335	43	238
NEV	456	0	284	415	1,148	0	237	1	600	53	302
N H	0	0	109	20	0	0	236	0	5	35	36
N J	172	0	1,126	3	1,704	100	1,901	7	45	245	578
N MEX	16,220	0	963	841	5,980	0	2,229	0	431	38	377
N Y	13,572	0	3,674	244	15,621	2,491	2,895	0	1	356	19,809
N C	11,478	59	17,787	586	110,758	5,306	1,122	36	2	209	3,858
N DAK	223,589	0	8,714	299	18,024	2	43,073	0	870	12	34
OHIO	132,255	34	5,171	3,798	105,733	15	69,286	0	2	281	3,001
OKLA	173,164	0	44,688	952	23,770	22	19,771	0	2,469	229	19
OREG	17,994	5,589	6,238	15,787	17,963	0	36,760	0	10,173	24	23,036
PA	3,461	0	1,906	628	16,766	2	16,702	20	1,303	82	360
R I	0	0	4	0	0	6	20	0	46	42	0
S C	2,806	22	8,277	306	48,008	1,118	339	0	1,197	95	1,286
S DAK	48,451	551	19,773	0	8,683	0	22,752	264	280	4	8,061
TENN	13,374	0	35,413	10	11,330	207	15,549	0	0	39	659
TEX	277,170	2,556	78,134	28,745	86,890	0	32,370	0	26,976	301	2,811
UTAH	4,631	0	12,566	6,912	421	0	2,358	0	684	189	1,933
VT	141	0	110	12	1,622	0	1,330	0	0	0	1,271
VA	232	2	3,949	281	41,875	508	1,728	5	2	97	1,829
WASH	60,637	31,577	18,560	6,705	41,256	0	26,807	0	9,402	414	16,714
W VA	0	0	1,744	330	0	20	1,498	0	0	17	3,873
WIS	79,591	912	12,539	1,780	48,927	0	34,497	0	264	91	1,075
WYO	8,895	8	7,596	65	4,393	0	1,650	0	821	2	285
P R	0	248	0	222	0	0	72	0	0	1	33
TOTAL	4,499,947	133,219	884,718	175,566	1,908,917	13,161	946,359	2,631	119,590	7,997	206,046

TABLE 11 -- AVAILABLE P<sub>2</sub>O<sub>5</sub> CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,  
2 5  
YEAR ENDED JUNE 30, 1980

STATE	AMMONIUM PHOSPHATES 1/	PHOSPHORIC SOLUTIONS	PHOSPHATE ROCK 2/	SUPERPHOSPHATES		NATURAL ORGANICS	OTHER PHOSPHATE MATERIALS
				22% & UNDER	OVER 22%		
----- NUTRIENT TONS -----							
ALA	100	0	0	1,021	6,164	89	2,711
ALAS	23	0	0	0	8	0	0
ARIZ	8,771	3,245	0	8	1,422	31	0
ARK	164	0	0	94	2,364	14	0
CALIF	43,840	2,830	138	9,016	15,220	1,622	46,473
COLO	1,497	0	0	19	2,690	20	352
CONN	815	0	0	19	171	198	862
DEL	0	0	0	0	1,416	14	20
D C	0	0	0	2	0	25	0
FLA	1,231	0	25	1,944	0	881	3,951
GA	14,949	1,337	0	1,010	3,044	128	2,128
HAW	80	0	39	0	1,507	0	579
IDAHO	5,812	0	0	27	11,120	0	1,270
ILL	0	0	0	282	121,610	204	6,691
IND	0	0	25	28	29,128	0	0
IOWA	767	1,402	107	242	67,875	38	0
KANS	831	0	0	967	12,004	38	324
KY	22	0	1	18	24,780	52	9
LA	33	749	0	28	747	80	236
MAINE	4	0	0	4	61	36	13
MD	0	0	0	1	3,068	67	6
MASS	0	0	0	39	169	184	63
MICH	239	0	0	4	7,425	229	164
MINN	719	2,004	37	22	33,572	77	8
MISS	5	0	0	103	4,247	4	2,365
MO	46	7	0	12	1,816	216	191
MONT	4,263	424	0	0	2,792	0	0
NEBR	1,565	0	0	490	17,370	38	298
NEV	758	2	0	256	517	54	0
N H	11	0	0	7	471	26	4
N J	46	0	0	32	624	208	75
N MEX	539	4	185	0	977	27	0
N Y	1	0	9	146	3,158	292	5,296
N C	0	4	0	744	2,479	151	665
N DAK	1,319	2	6	0	9,643	8	0
OHIO	0	269	7	109	59,353	232	55
OKLA	6,240	0	2	155	12,149	86	1,236
OREG	14,514	0	0	973	1,914	8	3,233
PA	5,305	0	19	15	1,862	57	369
R I	112	0	0	1	3	41	12
S C	979	0	0	292	803	70	3,447
S DAK	89	0	2	0	9,822	4	434
TENN	0	0	0	374	16,514	32	3
TEX	26,800	274	0	0	9,479	231	4,787
UTAH	958	110	0	292	6,426	100	0
VT	0	0	0	1	587	0	1
VA	3	0	28	27	1,131	67	286
WASH	7,887	123	1	48	3,311	312	14,489
W VA	0	0	0	0	1,894	6	0
WIS	26	2,292	55	4,923	22,612	76	7,116
WYO	2,006	594	0	0	1,508	2	0
P R	0	0	0	0	7	1	46
TOTAL	153,466	15,673	688	23,791	525,031	6,376	110,272

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

TABLE 12 -- K<sub>2</sub>O CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,  
2

YEAR ENDED JUNE 30, 1980

STATE	POTASSIUM CHLORIDE	POTASSIUM MAGNESIUM SULFATE	POTASSIUM NITRATE	POTASSIUM- SODIUM NITRATE	POTASSIUM SULFATE	NATURAL ORGANICS	OTHER POTASSIUM MATERIALS
	----- NUTRIENT TONS -----						
ALA	13,652	378	0	843	0	35	520
ALAS	27	0	0	0	36	0	0
ARIZ	276	0	0	0	0	3	0
ARK	13,956	216	11	81	49	9	0
CALIF	10,754	68	6,207	3	274	2,353	11,367
COLO	6,533	890	170	0	964	34	589
CONN	1,529	0	17	0	0	127	14
DEL	10,849	0	0	0	0	26	0
D C	3	0	0	0	8	12	0
FLA	13,072	1,678	1,548	6,442	367	620	1,274
GA	16,569	4,160	113	866	132	193	1,855
HAW	1,627	44	40	0	649	0	0
IDAHO	5,556	1,379	0	0	0	0	392
ILL	696,909	356	0	0	0	23	1,209
IND	211,373	0	0	0	0	0	17,635
IOWA	527,418	48	0	0	38	3	277
KANS	42,263	0	0	0	0	3	0
KY	84,300	614	3	78	8,879	79	315
LA	4,534	3	0	12	16	118	2,674
MAINE	945	63	0	0	0	56	0
MD	16,143	0	11	56	297	130	0
MASS	1,375	32	38	0	0	138	5
MICH	133,073	1,004	33	0	261	272	186
MINN	357,138	1,056	14	0	12	6	407
MISS	9,653	0	0	0	0	3	0
MO	17,729	70	0	5	131	91	1,281
MONT	6,326	0	0	0	373	0	1,287
NEBR	38,574	8,331	0	0	18	3	7,529
NEV	10	0	0	0	0	31	1
N H	967	9	5	0	0	40	0
N J	4,133	49	5	18	6	232	247
N MEX	0	922	0	0	377	52	64
N Y	19,733	356	0	450	338	192	471
N C	15,867	415	186	1,810	1	195	1,268
N DAK	0	0	0	0	0	16	13,019
OHIO	281,939	183	49	13	260	250	674
OKLA	20,612	809	0	0	0	57	8
OREG	18,280	794	0	0	759	12	57
PA	18,382	84	3	53	16	95	1,724
R I	0	0	0	0	0	20	0
S C	9,493	475	118	329	0	107	3,430
S DAK	12,003	16	0	0	0	4	0
TENN	72,227	0	0	0	1,698	18	0
TEX	3,839	1,427	0	69	0	261	1,244
UTAH	150	0	0	0	3	98	0
VT	1,929	12	0	0	0	0	0
VA	8,861	48	302	180	183	122	637
WASH	18,532	415	0	0	1,881	500	744
W VA	45	21	0	0	0	12	3,673
WIS	278,582	1,513	133	135	980	8	1,023
WYO	555	25	0	0	3	1	79
P R	2	2	0	0	100	0	36
TOTAL	3,026,299	27,965	9,008	11,442	19,105	6,662	77,209

TABLE 13 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE, YEAR ENDED JUNE 30, 1979

STATE	RANK														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL TONS 13-13-13 182,446	6-24-24 72,404	5-15-10 50,182	5-10-15 38,281	8-8-8 36,698	3-9-18 22,509	0-20-20 20,484	4-12-12 19,048	4-12-24 17,028	0-7-24 13,735	3-10-20 10,200	6-18-18 8,994	15-10-10 6,065	10-10-13 7,868	4-10-20 7,314
ARK	ANAL TONS 10-34-0 18,865	18-6-8 16,500	18-18-0 1,818	16-6-8 744	35-3-0 707	11-52-0 583	15-6-4 261	0-20-26 243	10-9-5 236	10-10-5 207	0-13-34 178	0-13-34 149	0-20-20 149	24-4-12 149	13-13-13 134
ARK	ANAL TONS 13-13-13 56,141	12-24-12 25,432	0-24-24 21,146	0-24-24 20,943	5-15-30 19,744	10-20-10 19,163	10-20-20 17,659	0-17-34 14,410	0-18-36 14,212	8-24-6 11,580	4-12-24 10,027	0-15-30 9,988	12-12-12 9,382	6-24-24 7,165	19-19-19 6,488
CALIF	ANAL TONS 10-34-0 73,232	18-6-8 35,429	12-12-12 34,296	4-10-10 29,013	6-20-20 25,897	6-20-20 23,110	22-12-2 17,502	20-10-5 17,502	8-24-6 16,356	13-13-13 16,340	21-7-14 16,100	15-15-15 14,875	16-6-8 14,133	15-5-24 11,727	19-19-19 11,320
COLO	ANAL TONS 18-6-8 32,772	10-34-0 13,040	22-3-3 3,490	20-10-5 3,000	0-18-12 2,470	10-5-5 2,458	23-19-17 2,225	11-52-0 1,655	16-20-6 1,306	20-20-10 1,247	25-4-8 1,119	7-21-7 988	22-4-4 968	11-55-0 657	20-5-10 598
CONN	ANAL TONS 10-10-10 6,351	10-6-4 2,685	5-10-5 2,552	26-3-3 2,310	8-10-10 1,719	15-10-10 1,709	6-3-6 1,291	12-7-13 1,283	15-8-12 1,220	12-15-15 1,065	25-3-3 944	5-10-5 944	16-8-12 891	2-1-2 594	10-20-20 582
CONN	ANAL TONS 10-10-10 9,900	18-6-8 7,465	18-6-8 5,192	13-10-22 4,963	5-10-10 4,488	3-15-30 3,119	3-9-18 2,657	12-8-20 2,463	15-15-15 2,331	5-15-30 2,090	8-10-10 1,680	15-10-10 1,680	5-10-30 1,370	4-12-24 1,492	5-10-15 1,415
DEL	ANAL TONS 10-6-4 1,051	10-10-10 1,014	5-10-5 920	5-10-10 851	26-3-3 429	23-7-7 400	25-0-3 245	25-3-3 206	22-0-16 34	20-4-10 30	3-3-10 25	31-3-10 14	24-4-8 14	14-7-7 11	20-10-10 9
FLA	ANAL TONS 6-6-6 76,727	10-10-10 59,362	12-0-12 56,943	6-8-8 49,524	16-0-16 49,068	12-2-12 41,147	5-10-15 38,399	16-4-8 37,718	16-8-8 35,230	20-10-10 27,608	13-13-13 24,344	16-0-16 25,846	8-8-8 22,087	3-9-18 21,630	8-4-10 19,951
GA	ANAL TONS 5-10-15 376,582	3-9-18 146,054	4-12-24 111,517	0-10-20 68,497	4-12-24 68,497	10-10-10 55,301	7-14-21 27,164	3-9-9 21,608	6-12-18 17,430	10-20-30 16,336	13-13-13 16,336	3-10-20 16,303	8-16-24 16,303	0-16-16 14,127	3-9-24 12,726
GA	ANAL TONS 18-6-8 59,251	27-13-0 11,294	20-16-6 7,594	20-16-6 7,594	10-33-0 6,429	16-16-16 6,286	11-55-0 3,351	10-32-0 584	18-18-10 175	18-18-10 175	18-18-10 175	18-18-10 175	18-18-10 175	18-18-10 175	18-18-10 175
ILL	ANAL TONS 18-6-8 596,702	6-24-24 79,278	3-10-30 69,818	3-9-12 62,105	5-17-21 36,792	5-20-35 33,355	10-34-0 29,898	6-18-6 27,776	6-32-16 24,311	6-10-10 18,552	16,114	4-13-26 15,316	3-10-10 14,993	4-16-20 14,826	0-23-30 13,763
IND	ANAL TONS 15-15-15 159,726	6-24-24 149,104	4-12-24 126,746	18-6-8 125,000	12-2-12 102,693	10-34-0 79,351	3-9-9 62,915	6-21-7 55,695	4-10-10 50,371	0-9-27 50,371	0-15-40 47,349	13-13-13 47,349	5-18-21 39,376	20-5-10 36,722	10-5-10 35,719
IND	ANAL TONS 18-6-8 655,091	6-24-24 44,008	3-10-30 41,889	10-34-0 40,401	8-37-16 34,878	20-10-10 31,039	3-9-27 25,374	7-21-7 23,653	11-54-0 18,774	5-17-21 15,530	4-13-26 15,301	6-18-18 13,948	4-16-22 12,219	7-23-5 11,411	9-18-9 11,411
IND	ANAL TONS 259,710	63,017	27,860	11,851	10,587	8,135	7,274	6,217	5,751	5,510	5,465	5,137	4,603	4,004	2,863
KANS	ANAL TONS 109,028	87,405	84,299	32,976	29,757	17,997	9,231	7,050	6,830	6,437	6,092	5,937	5,888	5,563	5,083
LA	ANAL TONS 13-13-13 51,794	8-24-24 24,575	0-28-28 19,101	18,865	17,443	14,627	14,403	14,382	12,740	12,391	11,904	9,750	8,334	6,630	6,564
LA	ANAL TONS 10-15-15 3,178	14-14-14 15,232	15-15-15 7,038	12-12-12 7,013	12-15-15 6,994	13-8-12 5,320	10-10-10 3,512	10-20-10 2,995	5-10-10 2,585	8-12-16 2,229	18-46-0 1,915	5-20-20 1,750	8-12-12 1,155	10-20-20 954	5-10-5 798
MAINE	ANAL TONS 10-10-10 52,154	35,491	27,995	10,647	8,642	8,703	6,481	6,333	6,242	6,192	6,014	5,642	4,982	4,172	5-10-5 4,024
MAINE	ANAL TONS 10-10-10 8,790	3,719	3,196	2,6-3-3 3,105	2,948	2,808	1,958	1,885	1,885	1,844	1,420	1,389	1,231	1,025	982
MASS	ANAL TONS 6-24-24 169,162	18-6-8 60,850	8-32-16 35,759	12-12-12 34,419	16-16-16 26,879	18-25-3 19,256	15-15-15 17,423	15-19-19 14,176	14-14-14 13,363	10-34-0 12,274	10-20-10 11,840	10-20-10 9,764	6-26-26 8,309	13-13-13 7,805	9-18-9 6,814
MICH	ANAL TONS 18-6-8 405,316	10-34-0 52,409	15-4-8 15,486	11-54-0 16,703	7-21-7 16,499	3-10-30 13,714	3-10-30 9,570	7-23-5 9,570	8-32-16 9,570	11-55-0 8,487	15-38-10 6,504	4-13-26 5,410	9-18-9 4,972	10-20-20 4,468	5-14-42 4,468
MICH	ANAL TONS 157,454	56,484	37,417	31,255	30,292	17,178	12,404	10,248	7,739	7,478	6,478	5,148	4,972	3,927	2,950
MISS	ANAL TONS 17-17-17 93,671	6-24-24 67,040	19-19-19 60,326	27-13-13 59,050	12-12-12 55,631	23-11-11 53,540	24-16-16 28,915	0-17-35 27,928	0-25-25 27,030	19-9-19 24,896	6-25-25 22,807	22-7-10 22,288	21-14-14 20,191	9-23-30 19,073	0-12-34 18,631
MO	ANAL TONS 17-17-17 93,671	6-24-24 67,040	19-19-19 60,326	27-13-13 59,050	12-12-12 55,631	23-11-11 53,540	24-16-16 28,915	0-17-35 27,928	0-25-25 27,030	19-9-19 24,896	6-25-25 22,807	22-7-10 22,288	21-14-14 20,191	9-23-30 19,073	0-12-34 18,631

STATE	ANAL TONS	18-46-0	11-58-0	18-9-5	20-20-7	10-33-0	10-34-0	16-14-16	23-23-0	27-12-0	28-14-0	29-14-0	30-10-0	8-20-5	35-17-0	11-53-0
MT	ANAL TONS	97,329	34,049	8,630	8,629	4,660	4,659	17,754	1,368	1,127	1,127	1,126	859	8-20-5	35-17-0	11-53-0
NEBR	ANAL TONS	172,386	76,069	33,116	11,462	8,966	7,105	6,532	5,873	5,098	4,802	4,098	3,963	3,946	3,669	3,444
NEV	ANAL TONS	10-34-0	1-2-0	18-46-0	16-8-8	22-4-4	10-10-5	16-4-8	6-2-0	11-59-0	25-4-4	12-12-12	20-5-5	10-6-4	3-4-3-7	8-8-8
NY	ANAL TONS	15-8-12	10-10-10	5-10-10	10-20-10	10-20-20	15-10-10	15-15-15	24-3-3	5-20-20	18-46-0	0-10-40	5-10-5	10-3-4	0-16-16	20-0-10
NJ	ANAL TONS	34,368	11,770	10,034	9,571	6,453	6,470	5,014	3,980	3,797	3,570	3,344	2,171	6-12-36	1-4-7-7	5-10-15
NMEX	ANAL TONS	18-46-0	10-34-0	11-46-0	13-13-13	4-10-10	16-8-0	11-52-0	11-53-0	11-22-11	11-54-0	8-26-12	442	30-15-6	12-24-12	283
NY	ANAL TONS	74,760	31,544	23,818	23,818	17,712	17,719	15,257	11,913	10,265	9,562	7,064	7,026	5-20-20	18-46-0	1-1-1
NC	ANAL TONS	166,553	140,800	97,034	77,548	67,455	60,807	60,094	59,994	55,203	54,870	50,181	26,022	10-10-20	4-12-24	18-46-0
ND	ANAL TONS	166,710	32,349	18,169	7,089	6,183	4,603	4,472	3,699	3,508	3,289	2,749	2,561	20-20-12	1-4-34-12	1-19-19
OHIO	ANAL TONS	18-46-0	6-24-24	15-15-15	8-32-16	12-12-12	10-34-0	4-10-10	8-25-3	6-26-26	19-19-19	3-10-30	16-16-16	9-23-30	6-18-6	3-10-10
OKLA	ANAL TONS	134,356	47,389	16,346	14,287	9,868	9,407	7,913	7,084	20-10-10	12-50-0	15-40-5	16-15-4	8-32-16	16-6-12	1-4-28-14
ORE	ANAL TONS	16-16-16	18-46-0	10-34-0	27-8-4	27-12-0	11-55-0	11-51-0	10-20-20	15-15-15	11-52-0	14-14-14	5-24-22	25-10-0	19-9-0	13-25-9
PA	ANAL TONS	72,566	53,400	21,711	19,870	19,247	15,769	13,405	10,865	7,321	6,726	6,586	5,936	8-32-16	10-6-4	7-21-6
RI	ANAL TONS	10-10-10	10-4-4	10-15-15	5-10-10	15-15-15	5-10-5	15-8-12	15-10-10	20-10-5	14-14-14	10-20-20	8-16-16	8-6-4	10-6-4	5-578
SC	ANAL TONS	10-10-10	2-9-18	4,244	3,927	2,890	2,546	2,349	2,106	20-490	18,016	15,117	13,112	6-18-36	5-10-15	6-12-18
SDAK	ANAL TONS	18-46-0	20-10-10	7-21-7	10-34-0	29-14-0	23-25-0	8-32-16	11-55-0	3-9-27	25-25-10	1,278	1,240	10-20-20	9-18-9	13-34-10
TENN	ANAL TONS	18-46-0	6-12-12	5-10-15	26,146	25,674	22,131	16,663	14,312	11,684	10,555	9,048	7,811	6,862	5,854	5,167
TEX	ANAL TONS	111,659	92,302	82,886	80,375	71,837	66,859	61,283	41,097	36,422	35,190	32,665	28,106	18-9-3	22-11-0	18-18-5
UTAH	ANAL TONS	18-46-0	29-14-0	22-4-4	10-34-0	16-16-16	5-10-10	30-10-0	16-16-8	30-3-0	24-20-0	27-17-0	6-2-2	0-23-10	10-6-4	20-10-4
VT	ANAL TONS	15-15-15	15-15-15	10-10-10	10-20-10	18-46-0	5-20-20	6-12-12	5-10-10	15-10-10	10-20-20	16-8-12	8-16-16	0-10-40	15-8-16	15-8-14
VA	ANAL TONS	81,842	46,665	38,282	26,328	23,479	20,090	14,398	13,593	11,697	11,069	11,019	10,682	6-12-18	18-46-0	5-15-30
WASH	ANAL TONS	18-46-0	16-16-16	10-34-0	11-45-0	27-12-0	11-51-0	10-20-20	3-10-27	11-53-0	11-52-0	22-3-3	9-3-0	10-2-3	5-10-10	25-10-0
WA	ANAL TONS	5-10-10	10-10-10	10-20-10	10-20-10	12-12-12	6-24-24	5-10-15	15-15-15	18-18-18	12-24-24	0-25-25	6-12-12	24-4-12	6-12-18	5-10-5
WIS	ANAL TONS	18-46-0	6-24-24	55,056	26,800	9,493	8,336	7,711	5-23-27	7-28-28	9-18-9	7-31-12	7-28-5	8-32-14	10-10-10	10-10-10
WYO	ANAL TONS	18-46-0	10-34-0	30-10-0	1-1-1	11-5-6	12-50-0	2-4-4	20-10-5	22-5-5	12-12-4	25-3-7	12-0-26	6-4-2	38-12-0	23-3-5
TOTAL 1/	ANAL TONS	3,711,183	6,24-24	901,151	773,258	701,715	613,500	397,689	374,581	363,060	331,546	303,338	297,871	275,734	248,465	231,635

1/ EXCLUDES ALASKA, HAWAII, PUERTO RICO AND CONFIDENTIAL ANALYSES.

TABLE 14 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE, YEAR ENDED JUNE 30, 1980

STATE	RANK														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL 13-13-13 147,694	6-24-24 501,160	5-13-30 45,298	5-10-15 37,902	8-8-8 32,519	0-20-20 28,680	3-9-18 25,576	4-12-12 23,317	3-10-20 21,647	4-12-24 11,723	0-24-24 11,161	10-10-10 7,582	19-10-10 7,103	4-10-10 6,866	6-18-18 6,216
ARIZ	ANAL 10-34-0 14,865	18-14-0 12,719	18-18-0 10,472	11-32-0 2,269	11-32-0 1,548	16-4-8 1,181	9-24-0 593	15-8-4 503	11-4-0 428	11-37-0 395	16-2-0 339	10-10-5 141	9-18-9 160	3-18-18 104	16-8-4 32
ARK	ANAL 13-13-13 61,678	0-24-24 30,416	0-17-34 27,378	5-13-30 21,442	10-20-10 17,164	0-24-24 13,050	0-18-36 13,032	8-24-4 11,965	12-24-12 11,684	12-24-12 11,633	0-15-30 11,344	10-20-20 11,110	12-12-12 8,992	6-24-24 5,799	20-10-10 5,055
CALIF	ANAL 19-9-0 54,359	12-12-12 35,135	4-10-10 26,922	18-4-0 25,678	18-4-0 21,788	16-16-16 21,788	20-10-0 17,872	8-24-4 16,467	21-7-14 16,159	12-40-0 15,659	15-15-15 14,125	15-5-24 13,926	16-8-8 11,490	14-7-14 10,992	16-34-0 9,439
COLO	ANAL 16-4-0 82,489	10-34-0 15,924	10-0-1 10,163	22-3-3 8,364	20-10-5 2,516	10-5-5 2,516	11-52-0 1,897	0-18-12 1,897	11-44-0 1,467	7-21-7 1,157	8-20-6 1,020	20-20-10 942	30-10-0 942	7-22-5 944	4-10-10 927
CONN	ANAL 10-10-10 6,351	10-4-4 2,688	5-10-10 2,552	26-3-3 2,310	8-10-10 1,719	15-10-10 1,709	6-3-6 1,291	12-7-10 1,283	15-8-12 1,220	12-15-15 1,045	25-3-3 950	5-10-5 944	16-8-12 891	2-1-2 594	10-20-20 542
DEL	ANAL 10-10-10 9,350	10-20-20 7,126	18-4-0 6,435	13-10-22 6,004	3-15-30 5,365	3-9-18 3,441	12-8-20 3,152	8-18-20 2,860	2-6-12 2,450	8-10-10 2,080	10-10-30 2,017	5-10-10 1,766	15-15-15 1,508	6-10-30 1,507	10-20-30 1,328
D C	ANAL 10-6-4 1,050	10-10-10 1,000	23-7-7 450	16-8-8 100	10-10-10 450	12-2-12 450	6-9-8 350	5-10-15 350	8-4-8 350	20-5-10 27,133	14-0-14 25,949	13-13-13 23,534	16-8-8 21,927	0-10-40 21,554	8-8-8 20,671
FLA	ANAL 6-6-4 81,081	12-0-12 49,730	16-4-8 47,015	16-0-16 45,548	10-10-10 44,710	12-2-12 44,569	6-9-8 41,773	8-10-15 35,340	8-4-8 33,663	20-5-10 27,133	14-0-14 25,949	13-13-13 23,534	16-8-8 21,927	0-10-40 21,554	8-8-8 20,671
GA	ANAL 5-10-15 347,823	3-9-18 165,231	4-12-24 78,133	0-10-20 67,248	4-8-12 40,945	10-10-20 34,869	0-9-27 23,689	6-8-16 18,053	3-9-9 17,167	0-16-14 14,575	13-13-13 14,175	7-14-21 14,080	10-20-30 13,721	0-16-24 11,204	8-8-8 10,280
IOWA	ANAL 18-4-0 54,437	27-13-0 11,531	10-33-0 7,517	16-18-16 4,924	11-55-0 2,287	3-9-12 2,287	10-34-0 2,287	6-10-15 2,287	8-4-8 2,287	9-23-30 21,849	4-16-20 18,275	4-10-10 15,909	8-32-16 14,326	4-12-24 13,942	12-12-12 12,774
ILL	ANAL 10-6-0 619,778	3-10-30 78,718	6-24-24 62,336	3-9-12 61,851	5-20-35 49,960	3-9-12 49,960	10-34-0 48,224	8-10-15 46,816	3-9-9 46,816	0-15-40 52,248	6-9-27 51,084	4-10-10 49,120	20-5-10 45,120	5-18-21 31,945	18-5-10 27,627
IND	ANAL 0-24-24 142,903	6-24-24 140,853	0-24-24 129,957	10-34-0 116,826	4-12-24 113,748	8-32-16 93,262	3-9-9 76,304	7-21-7 64,123	7-21-7 55,417	0-15-40 52,248	6-9-27 51,084	4-10-10 49,120	20-5-10 45,120	5-18-21 31,945	18-5-10 27,627
IOWA	ANAL 18-4-0 638,733	3-10-30 49,314	6-24-24 40,668	3-9-12 36,229	5-20-35 30,263	8-32-16 24,817	11-55-0 20,505	4-13-26 19,255	7-21-7 16,885	0-15-40 52,248	6-9-27 51,084	4-10-10 49,120	20-5-10 45,120	5-18-21 31,945	18-5-10 27,627
KANS	ANAL 18-4-0 244,873	10-34-0 70,764	8-32-16 27,749	11-44-0 23,850	11-55-0 12,953	6-24-24 12,112	11-55-0 9,194	12-24-12 5,873	5-4-11 5,461	4-10-10 5,024	9-23-30 4,924	6-12-12 4,356	11-52-0 4,240	0-26-26 4,048	6-12-12 3,948
KY	ANAL 18-4-0 101,787	5-10-15 86,171	10-10-10 76,496	6-24-24 53,554	5-20-35 29,081	15-15-15 15,198	8-24-24 12,174	7-21-7 8,137	3-9-27 7,208	0-23-30 7,208	9-23-30 6,405	6-12-12 5,977	0-26-26 5,468	19-19-19 5,465	6-12-12 5,188
LA	ANAL 13-13-13 51,794	8-24-24 24,575	0-24-24 19,101	6-24-24 18,665	0-24-24 17,443	8-6-8 14,627	14-0-8 14,403	0-17-34 14,382	0-18-34 12,740	12-12-12 12,391	12-12-12 11,946	0-20-20 9,750	4-11-11 8,134	10-10-10 6,630	2-6-12 6,584
MAINE	ANAL 10-15-15 26,722	14-14-14 16,973	12-12-12 9,933	15-15-15 7,512	12-15-15 5,146	10-20-10 2,456	5-10-10 2,456	18-4-0 1,820	18-4-0 1,820	8-12-16 1,569	5-10-5 975	10-20-20 819	8-12-12 512	6-0-16 512	20-10-15 458
MD	ANAL 10-10-10 41,211	10-20-20 27,207	18-4-0 18,838	4-4-12 10,748	5-10-10 10,168	5-10-30 10,076	12-8-20 7,801	5-10-30 7,801	0-18-34 6,587	0-15-30 5,864	8-1-24 5,626	5-10-5 5,262	6-24-24 5,150	2-6-12 5,078	26-3-3 4,980
MASS	ANAL 10-10-10 6,882	27-3-3 3,222	5-10-10 3,076	10-6-4 3,006	15-8-12 2,213	15-15-15 2,103	5-10-5 1,620	10-20-10 1,620	25-3-3 1,291	18-4-0 1,212	24-4-12 1,180	21-6-11 819	10-20-20 922	15-10-10 922	12-7-10 912
MICH	ANAL 6-24-24 157,230	18-4-0 68,598	12-12-12 31,763	8-32-16 20,861	15-15-15 20,861	8-25-3 20,721	16-16-16 19,886	10-34-0 17,158	19-19-19 13,510	10-14-14 12,828	10-20-20 11,627	13-13-13 8,019	7-20-20 7,181	9-18-9 6,903	10-20-30 6,839
MINN	ANAL 18-4-0 404,853	10-34-0 41,780	7-21-7 22,129	18-6-8 17,846	6-24-24 14,656	6-24-24 14,656	11-54-0 13,524	3-10-30 11,742	7-23-5 7,275	8-12-16 7,275	4-13-26 5,656	8-10-30 5,088	10-20-20 5,075	4-10-10 4,674	5-20-20 4,653
MISS	ANAL 13-13-13 133,958	8-24-24 44,752	5-13-30 42,902	0-17-34 41,872	0-24-24 41,872	18-4-0 41,872	0-20-20 41,872	8-8-8 41,872	8-8-8 41,872	0-10-30 41,872	30-0-18 41,872	3-9-18 3,688	3-18-18 3,088	5-20-20 2,823	19-10-10 2,738
MO	ANAL 17-17-17 91,685	6-24-24 68,786	6-24-24 57,956	23-11-11 56,566	12-12-12 49,569	27-3-3 40,046	19-9-19 30,544	24-4-12 28,231	9-23-30 25,694	22-7-15 25,286	0-17-35 20,373	20-6-20 19,453	13-13-13 19,204	0-25-25 16,095	6-25-25 16,985

STATE	ANAL TONS	16-44-0	17-55-0	18-25-0	20-20-10	10-33-0	10-34-0	10-10-0	16-16-16	28-14-0	27-12-0	29-14-0	23-23-0	25-25-0	9-18-0
MONT		61,927	30,996	4,382	4,381	3,915	3,513	1,502	1,377	1,128	1,124	1,134	9-18-0	299	144
NEBR		18-44-0	7-21-7	9-32-8	11-52-0	8-32-14	5-5-5	5-5-5	8-20-16	8-20-16	8-20-16	4-10-10	6-18-6	9-18-9	8-20-6
NEV		157,506	90,464	30,339	22,486	9,643	8,677	6,304	5,672	5,139	4,658	4,596	4,067	3,996	3,713
NH		19-0-0	22-4-4	18-4-0	10-34-0	10-34-0	10-10-5	11-55-0	30-10-10	25-7	29-14-0	15-5-7	27-12-0	10-15-10	6-20-20
NJ		601	389	354	334	254	246	233	224	224	199	173	131	86	77
NM		15-6-12	10-10-10	5-10-10	11-14-0	15-15-15	15-15-15	5-10-5	5-20-20	10-6-4	10-15-15	20-0-10	24-12-18	8-16-16	20-10-10
NY		3,183	2,147	1,111	1,184	710	657	463	415	405	382	272	270	242	211
NC		36,906	12,393	10,593	6,547	6,016	5,622	5,227	4,293	4,227	3,164	2,317	2,177	2,028	1,559
ND		18-44-0	13-13-13	11-53-0	11-44-0	11-44-0	11-37-0	11-54-0	11-52-0	11-59-0	11-25-11	11-17-0	16-20-10	10-30-10	35-17-0
NE		5,769	3,776	3,860	1,386	954	690	570	363	363	271	250	156	154	138
NH		18-15-15	10-20-20	6-24-24	10-20-10	10-10-10	8-16-6	10-6-4	18-13-13	5-10-5	0-10-10	15-9-12	6-12-6	14-14-14	5-20-20
NY		65,236	79,696	35,550	25,588	18,194	16,886	15,519	12,414	9,740	9,647	8,719	7,798	7,495	6,959
NC		19-10-10	3-9-9	5-10-20	6-12-18	4-8-12	4-8-12	3-9-12	2-6-12	10-20-20	8-8-8	5-15-20	10-10-20	4-5-3	18-14-0
ND		146,853	113,006	118,186	75,748	58,962	54,516	52,051	50,600	46,390	46,241	22,550	21,060	20,967	17,444
NE		18-44-0	10-34-0	11-53-0	15-38-10	8-32-16	12-36-12	9-10-9	25-25-0	4-10-10	11-51-0	11-52-0	11-54-0	15-30-15	14-14-12
NH		151,707	35,170	7,844	6,094	5,232	3,478	3,250	2,711	2,466	1,977	1,977	1,914	1,626	1,403
OHIO		6-24-24	19-19-15	10-20-10	10-20-10	12-12-12	8-32-16	9-25-3	6-26-26	4-10-10	3-10-30	0-14-42	9-23-20	6-18-6	19-19-19
OKLA		18-44-0	10-20-10	15-15-15	10-20-10	15-15-15	20-10-10	5-24-0	12-023	11-150	6-24-24	7-21-11	10-6-4	7-21-6	0-20-20
OREG		69,697	52,486	22,679	21,136	16,572	14,466	12,023	11,150	7,830	6,536	6,356	5,510	5,411	4,731
PA		10-10-10	10-6-4	5-10-10	15-15-15	10-15-15	10-15-15	9-16-16	15-8-12	24-4-12	10-20-20	15-10-10	6-10-4	20-10-5	8-6-4
RI		1,416	933	386	485	366	352	304	272	261	144	106	103	23	4
SC		10-10-10	3-9-9	3-9-9	5-10-20	28-483	27,772	23,984	13,553	13,140	4-8-12	5-15-20	6-12-18	5-15-15	17-17-17
SDAK		87,625	64,626	47,237	33,639	28,483	27,772	23,984	13,553	13,140	4-8-12	5-15-20	6-12-18	5-15-15	17-17-17
TENN		18-44-0	10-34-0	7-21-7	20-10-10	23-23-11	20-10-10	25-25-0	10-20-20	29-16-0	20-20-10	8-32-16	9-13-10	11-54-0	13-14-10
TEX		87,956	80,143	71,678	63,614	61,766	62,679	57,287	54,496	29,820	29,826	26,315	26,257	24,684	23,484
UTAH		3,139	2,880	1,046	800	640	550	534	466	336	330	269	21-3-3	0-23-10	20-5-3
VT		15-8-12	15-15-15	10-20-10	10-10-10	5-20-20	8-12-12	5-10-10	10-20-20	6-12-12	0-10-40	8-16-16	18-4-0	16-10-20	3-10-20
VA		6,972	5,273	2,708	2,604	1,752	1,545	1,296	1,248	1,227	1,133	1,030	911	711	295
WASH		10-10-10	5-10-10	2-6-12	3-9-9	3-9-9	10-20-20	8-8-8	5-10-30	6-12-18	5-10-15	19-19-19	15-24-24	6-8-6	5-10-5
WVA		6,774	6,383	5,460	5,073	4,644	4,247	3,850	3,453	3,056	2,659	2,262	1,865	1,468	1,071
WIS		18-44-0	6-24-24	9-23-30	3-10-30	6-24-24	9-23-30	7-23-5	0-14-42	1-1-1	10-20-20	10-10-10	14-14-14	7-28-28	7-21-7
WYO		3,681	3,681	471	178	98	96	92	92	51	45	31	22	10-6-4	2-7-2
TOTAL 1/		3,477,546	855,287	709,546	670,182	652,450	586,362	369,092	360,174	322,887	298,840	270,902	261,819	240,166	229,195

1/ EXCLUDES ALASKA, HAWAII, PUERTO RICO AND CONFIDENTIAL ANALYSES.

TABLE 15 -- TONNAGES OF THE 150 MOST POPULAR MIXTURES CONSUMED, YEARS ENDED JUNE 30, 1979 AND 1980 1/

GRADE	CONSUMPTION		PROPORTION OF TOTAL		GRADE	CONSUMPTION		PROPORTION OF TOTAL	
	1979	1980	1979	1980		1979	1980	1979	1980
	TONS		PERCENT			TONS		PERCENT	
0-9-27	116,203	138,798	.49	.60	8-25-3	45,165	48,571	.19	.21
0-10-20	138,348	128,719	.59	.56	8-32-8	14,721	23,996	.06	.10
0-10-30	46,189	51,475	.20	.22	8-32-16	227,906	195,559	.97	.85
0-10-40	62,366	67,358	.27	.29	9-18-9	60,491	76,089	.26	.33
0-12-36	24,204	20,121	.10	.09	9-23-30	132,320	146,085	.56	.64
0-14-14	21,348	20,827	.09	.09	10-5-10	58,046	49,813	.25	.22
0-14-42	42,710	41,170	.18	.18	10-6-4	67,292	68,172	.29	.30
0-15-30	88,549	67,689	.38	.29	10-10-10	773,258	700,548	3.29	3.05
0-15-40	59,579	64,727	.25	.28	10-10-20	58,364	57,712	.25	.25
0-17-34	69,708	97,201	.30	.42	10-15-15	39,071	30,481	.17	.13
0-17-35	32,459	24,946	.14	.11	10-20-10	186,473	184,415	.79	.80
0-18-36	57,105	56,912	.24	.25	10-20-20	397,889	360,174	1.69	1.57
0-20-20	82,487	81,887	.35	.36	10-20-30	41,242	36,443	.18	.16
0-23-30	66,262	63,383	.28	.28	10-26-26	28,945	26,537	.12	.12
0-24-24	99,430	101,091	.42	.44	10-30-0	23,871	40,557	.10	.18
0-24-26	160,485	143,996	.68	.63	10-34-0	701,715	670,182	2.98	2.91
0-25-25	60,981	46,959	.26	.20	11-37-0	12,969	27,242	.06	.12
0-26-26	85,075	72,600	.36	.32	11-44-0	10,306	60,949	.04	.26
1-1-1	31,712	27,149	.13	.12	11-52-0	35,852	44,031	.15	.19
2-6-12	157,826	151,540	.67	.66	11-53-0	24,853	30,442	.11	.13
3-9-9	303,338	261,819	1.29	1.14	11-54-0	81,479	76,109	.35	.33
3-9-12	80,593	70,969	.34	.31	11-55-0	111,505	64,226	.47	.28
3-9-18	374,581	366,092	1.59	1.59	12-0-12	59,332	50,034	.25	.22
3-9-27	77,788	75,930	.33	.33	12-2-12	41,152	44,726	.18	.19
3-10-10	48,217	37,107	.21	.16	12-4-8	27,528	28,316	.12	.12
3-10-20	37,803	32,936	.16	.14	12-6-6	48,294	43,224	.21	.19
3-10-30	179,708	192,902	.76	.84	12-12-12	363,060	322,587	1.54	1.40
3-18-18	20,882	30,747	.09	.13	12-24-12	85,917	84,749	.37	.37
4-5-3	27	20,994	.00	.09	12-24-24	69,473	52,007	.30	.23
4-8-12	148,863	135,398	.63	.59	13-13-13	700,283	652,450	2.98	2.84
4-10-10	164,704	150,591	.70	.65	14-0-14	35,626	40,930	.15	.18
4-12-12	57,279	46,106	.24	.20	14-7-7	47,561	44,208	.20	.19
4-12-24	331,546	270,902	1.41	1.18	14-7-14	23,858	29,924	.10	.13
4-12-36	129,722	124,753	.55	.54	14-13-6	39	24,884	.00	.11
4-13-26	44,297	62,276	.19	.27	14-14-14	102,362	100,014	.44	.43
4-16-20	15,354	18,829	.07	.08	15-5-10	20,021	22,859	.09	.10
4-16-22	17,678	19,590	.08	.09	15-8-12	32,790	30,577	.14	.13
5-10-5	40,835	43,236	.17	.19	15-10-10	61,898	50,983	.26	.22
5-10-10	275,734	240,166	1.17	1.04	15-15-15	297,871	298,840	1.27	1.30
5-10-15	613,500	586,362	2.61	2.55	15-40-5	20,553	33,353	.09	.14
5-10-30	124,425	187,663	.53	.82	16-0-16	49,525	46,872	.21	.20
5-15-20	17,500	20,562	.07	.09	16-4-8	48,189	58,440	.20	.25
5-15-30	248,465	204,986	1.06	.89	16-6-12	76,596	66,624	.33	.29
5-17-21	58,797	62,818	.25	.27	16-8-8	98,365	83,723	.42	.36
5-18-21	39,580	31,949	.17	.14	16-10-10	22,771	22,383	.10	.10
5-20-20	94,641	91,016	.40	.40	16-16-16	135,783	106,626	.58	.46
5-20-35	41,722	54,594	.18	.24	16-17-10	0	87,906	.00	.38
6-6-6	78,657	82,348	.33	.36	16-20-6	35,235	28,160	.15	.12
6-6-18	8,111	27,708	.03	.12	17-17-17	204,751	179,072	.87	.78
6-8-8	60,055	41,886	.26	.18	18-9-3	24,368	23,778	.10	.10
6-8-16	1,312	19,556	.01	.09	18-12-2	32,611	26,257	.14	.11
6-12-12	95,467	86,350	.41	.38	18-18-0	11,281	18,627	.05	.08
6-12-18	105,224	98,122	.45	.43	18-18-5	28,790	28,885	.12	.13
6-12-36	15,422	24,111	.07	.10	18-46-0	3,711,183	3,477,546	15.79	15.12
6-18-6	70,007	70,082	.30	.30	18-46-9	0	19,892	.00	.09
6-18-18	71,409	62,880	.30	.27	19-9-0	31,596	59,344	.13	.26
6-18-36	63,955	42,324	.27	.18	19-9-19	27,920	33,006	.12	.14
6-20-20	29,174	31,835	.12	.14	19-19-19	140,203	123,969	.60	.54
6-24-24	901,151	855,267	3.83	3.72	20-0-20	23,029	28,912	.10	.13
6-25-25	24,326	18,111	.10	.08	20-5-10	74,658	78,571	.32	.34
6-26-26	38,690	34,596	.16	.15	20-6-20	5,960	19,815	.03	.09
7-14-21	45,495	26,434	.19	.11	20-10-0	83,092	87,812	.35	.38
7-21-7	174,862	167,342	.74	.73	20-10-5	19,964	19,367	.08	.08
7-22-5	19,638	24,522	.08	.11	20-10-10	154,111	130,261	.66	.57
7-23-5	48,488	56,363	.21	.25	21-7-14	36,995	39,810	.16	.17
7-28-28	47,542	44,987	.20	.20	21-14-14	23,656	18,970	.10	.08
8-0-24	21,141	21,161	.09	.09	22-7-15	23,632	27,851	.10	.12
8-2-8	18,823	18,664	.08	.08	22-11-0	24,458	19,456	.10	.08
8-4-10	21,843	35,713	.09	.16	23-11-11	56,135	59,101	.24	.26
8-8-8	184,674	174,762	.79	.76	24-8-0	18,606	26,987	.08	.12
8-16-8	23,945	24,424	.10	.11	24-16-16	32,962	30,382	.14	.13
8-16-16	23,747	25,730	.10	.11	25-3-3	31,854	19,799	.14	.09
8-16-24	42,639	36,375	.18	.16	26-3-3	38,331	30,066	.16	.13
8-24-0	22,653	19,452	.10	.08	27-3-3	5,256	31,158	.02	.14
8-24-24	231,635	229,195	.99	1.00	27-13-13	61,792	42,843	.26	.18
					TOTAL	18,146,089	17,376,889	77.18	75.54

NUMBER OF GRADES AND TOTAL TONNAGE BY CLASS YEAR ENDED JUNE 30	NUMBER		TONS		PERCENT OF TOTAL	
	1979	1980	1979	1980	1979	1980
GRADES OF 10,000 TONS OR MORE	229	239	19,529,273	18,768,048	89.07	81.32
GRADES 5,000 TONS TO 9,999 TONS	135	120	947,965	828,475	4.03	3.60
GRADES 2,500 TONS TO 4,999 TONS	216	252	765,352	892,262	3.26	3.88
LESS THAN 2,500 TONS AND GRADE NOT REPORTED			2,268,105	2,515,612	9.65	10.94
TOTAL (48 STATES AND DISTRICT OF COLUMBIA)			23,510,695	23,003,131	100.00	100.00

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



TABLE 16 -- AVERAGE PRIMARY NUTRIENT CONTENT OF MIXTURES AND DIRECT APPLICATION MATERIALS CONSUMED, YEAR ENDED JUNE 30, 1980

STATE	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 --										
ALA	7.79	14.63	17.06	39.48	35.37	23.65	49.96	26.96	35.33	37.93
ALAS	14.50	20.81	13.84	49.15	37.11	54.00	52.88	52.00	41.30	48.35
ARIZ	14.40	33.50	.31	48.20	44.30	57.90	60.00	39.47	44.09	44.99
ARK	8.25	16.17	20.28	44.70	41.62	42.88	58.42	27.34	42.67	43.72
CALIF	13.47	14.21	7.22	34.90	31.93	31.49	53.28	38.48	33.51	33.86
COLO	15.45	32.41	1.51	49.37	44.72	35.68	50.01	40.65	44.70	45.88
CONN	12.92	8.29	8.88	30.09	41.09	35.20	60.99	15.75	30.41	30.20
DEL	8.87	15.40	17.49	41.76	31.07	45.94	61.00	8.74	40.75	41.34
D C	18.35	6.19	6.99	31.53	45.16	18.00	52.75	6.01	10.29	29.09
FLA	10.45	5.87	14.33	30.65	32.75	15.47	47.27	27.38	31.95	30.84
GA	5.70	10.37	17.01	33.08	33.12	20.84	42.69	48.77	34.16	33.48
HAW	13.68	15.68	15.23	44.60	24.23	19.11	55.12	61.12	25.67	38.03
IDAHO	19.81	33.27	.92	54.00	36.97	43.32	45.09	37.82	37.73	41.16
ILL	11.77	28.91	10.35	51.03	53.81	44.90	59.95	49.21	55.33	53.96
IND	6.55	19.28	18.15	43.98	45.78	45.12	55.71	.00	48.69	46.28
IOWA	13.44	33.14	8.03	54.62	56.56	43.70	60.78	51.22	87.17	56.35
KANS	14.18	39.11	2.70	55.99	55.22	41.10	60.00	32.31	55.02	55.31
KY	9.89	21.15	13.60	44.64	42.11	45.16	58.58	11.82	47.36	45.99
LA	9.15	15.47	17.60	42.22	40.88	37.60	21.06	8.80	36.98	40.44
MAINE	11.76	14.19	13.53	39.48	37.96	42.86	54.13	7.30	33.81	39.00
MD	9.00	14.81	14.91	38.71	35.94	44.79	60.70	9.00	40.08	39.16
MASS	14.73	9.93	9.50	34.17	41.42	34.81	57.71	7.32	24.38	31.90
MICH	10.24	23.21	16.57	50.02	49.69	45.78	59.29	7.66	52.04	50.97
MINN	14.24	35.68	6.47	56.39	58.75	44.14	59.73	29.27	58.27	57.66
MISS	7.93	17.46	20.00	45.38	40.93	18.59	61.00	5.54	39.55	42.55
MO	13.69	14.88	19.81	48.38	48.84	43.06	54.41	8.41	48.51	48.42
MONT	16.21	43.06	.67	59.93	37.16	45.56	47.76	38.69	38.84	47.76
NEBR	12.92	34.53	3.00	50.45	56.48	44.16	39.07	33.79	54.45	53.56
NEV	17.74	15.72	4.04	37.50	33.20	31.73	42.74	23.95	29.66	31.48
N H	13.07	11.27	12.02	36.36	35.16	45.02	59.26	8.77	37.45	36.59
N J	11.83	10.89	11.26	33.99	34.66	42.59	59.70	9.44	33.71	33.94
N MEX	11.57	29.35	3.36	44.28	47.58	18.61	23.00	24.93	41.71	42.50
N Y	10.55	15.92	14.82	41.30	38.75	37.79	57.76	15.09	40.52	41.04
N C	6.79	10.92	16.58	34.29	30.02	34.14	53.80	22.87	31.23	33.35
N DAK	15.88	40.21	2.69	58.78	63.94	44.58	59.90	36.17	62.61	61.30
OHIO	10.27	24.78	14.80	49.85	43.39	45.10	60.24	5.88	49.03	49.38
OKLA	14.23	30.96	6.08	51.27	54.99	45.16	56.32	45.48	54.22	53.19
OREG	17.28	26.47	6.46	50.21	34.83	23.70	55.25	37.36	36.09	38.37
PA	10.72	15.71	13.46	39.89	36.00	38.60	55.69	45.25	41.17	40.26
R I	11.06	9.71	9.32	30.10	31.66	33.00	.00	14.44	15.40	27.87
S C	5.04	9.88	19.28	34.20	29.08	22.95	54.90	48.70	32.45	33.65
S OAK	16.51	35.12	3.02	54.65	47.01	44.21	60.03	27.16	47.70	50.17
TENN	10.28	22.41	13.55	46.23	37.85	44.71	60.62	8.80	46.13	46.18
TEX	13.54	15.18	5.89	34.61	47.24	39.00	43.72	33.99	45.30	39.30
UTAH	20.74	18.72	2.51	41.96	32.58	43.24	59.80	29.10	33.93	34.88
VT	10.74	14.12	14.96	39.82	35.73	45.83	59.49	11.58	40.99	40.18
VA	7.96	11.43	15.50	34.88	30.13	34.44	55.01	18.32	31.67	34.05
WASH	15.51	34.11	3.64	53.26	35.16	40.08	57.81	37.98	36.77	39.60
W VA	10.64	21.21	10.78	42.64	32.31	44.93	59.64	4.10	38.12	40.40
WIS	11.13	27.28	13.74	52.15	44.68	35.09	59.47	38.81	50.79	51.21
WYO	18.02	34.40	.82	53.23	42.17	50.40	50.06	68.62	44.58	45.34
P R	14.72	5.40	11.41	31.53	22.38	46.00	44.74	10.60	25.50	31.37
TOTAL	10.77	19.61	12.84	43.22	45.98	39.92	58.10	34.67	47.58	45.57

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

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

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,  
YEAR ENDED JUNE 30, 1980--CONTINUED

STATE	GRADE						
	10-34	11-37	11-55	13-52	23-23	28-14	30-10
-- TONS --							
ALA	3,890	36	0	6	5	0	0
ALAS	0	0	0	0	0	0	0
ARIZ	14,505	395	0	0	0	0	0
ARK	612	0	0	0	0	0	33
CALIF	9,439	6,089	0	0	0	0	133
COLO	15,924	0	799	0	0	22	951
CONN	0	0	0	0	0	0	0
DEL	902	0	0	0	0	0	0
D C	0	0	0	0	0	0	0
FLA	51	32	0	12	0	0	0
GA	0	0	0	0	0	7	0
HAW	0	653	0	0	0	0	0
IDAHO	0	0	2,287	0	0	0	0
ILL	28,011	119	2	108	0	0	24
IND	116,826	2,597	0	2,783	0	0	0
IOWA	40,668	0	1,893	845	0	0	69
KANS	70,764	2,742	2,508	0	0	0	114
KY	2,796	1,623	0	0	0	0	5
LA	1,538	36	0	0	0	0	25
MAINE	0	0	0	0	0	0	0
MD	3,676	0	0	1,747	0	0	0
MASS	7	0	0	0	0	0	14
MICH	17,158	0	0	2,317	2	0	15
MINN	41,780	2	4,499	586	188	94	387
MISS	595	62	0	104	0	31	0
MO	3,612	184	0	0	20	0	119
MONT	3,513	0	30,896	0	943	1,135	1,502
NEBR	90,464	3,588	2,602	142	0	9	1,265
NEV	354	0	246	0	0	0	75
N H	0	0	0	0	0	0	0
N J	549	0	0	0	0	0	56
N MEX	3,776	734	363	13	0	0	27
N Y	2,808	413	0	649	0	0	0
N C	3,593	0	0	0	0	0	0
N DAK	35,170	0	7,544	0	142	26	38
OHIO	30,663	0	0	4,705	0	0	359
OKLA	11,358	1,490	0	0	0	72	304
OREG	8,721	0	4,237	0	0	0	0
PA	1,772	0	0	340	0	0	36
R I	0	0	0	0	0	0	0
S C	0	0	0	0	0	0	0
S DAK	10,946	0	235	0	0	185	63
TENN	0	0	0	0	0	0	0
TEX	80,143	7,098	507	737	0	7,257	7,248
UTAH	1,046	0	0	0	0	0	3,139
VT	218	0	0	0	0	0	0
VA	3,125	0	0	150	1	2	0
WASH	7,666	0	5,608	0	0	0	0
W VA	0	0	0	0	0	0	0
WIS	312	2	0	4	0	0	0
WYO	471	0	0	0	0	0	597
P R	0	0	0	0	0	0	0
TOTAL	670,182	27,895	64,226	15,248	1,301	8,840	14,598

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,  
YEAR ENDED JUNE 30, 1980

STATE	GRADE 17						
	11-48	13-39	16-20	16-48	18-46	21-53	27-14
-- TONS --							
ALA	0	252	0	0	4,831	3	0
ALAS	0	60	0	0	90	0	0
ARIZ	6,142	0	29,112	0	12,719	0	0
ARK	0	31	761	0	4,746	0	0
CALIF	39,099	140	104,415	18	25,013	97	29,167
COLO	2,455	0	1,593	0	62,499	0	0
CONN	1,697	0	0	0	0	0	0
DEL	0	0	0	0	6,435	0	0
D C	0	0	0	0	0	0	0
FLA	0	47	0	0	5	2,287	3
GA	23,353	21	0	0	0	7,041	0
HAW	88	0	10	0	4,285	67	0
IDAHG	2,073	0	24,083	0	54,437	0	0
ILL	0	0	0	0	615,778	0	0
IND	0	0	0	0	93,262	0	0
IOWA	0	0	20	0	638,733	1,440	0
KANS	0	165	3,831	2,182	244,873	0	0
KY	0	0	0	0	101,787	41	0
LA	0	0	165	0	1,104	0	0
MAINE	8	0	0	0	1,586	0	0
MD	0	0	0	0	18,838	0	0
MASS	0	0	0	0	1,212	0	0
MICH	0	0	0	0	48,598	450	0
MINN	138	0	2,978	0	404,853	0	410
MISS	0	0	23	0	14,461	0	0
MO	0	0	231	0	3,742	0	0
MONT	1,763	0	15,381	0	61,027	0	2,430
NEBR	0	0	8,313	0	157,506	0	19
NEV	25	0	3,732	0	389	0	0
N H	0	0	0	0	467	20	0
N J	0	0	228	0	3,166	0	0
N MEX	0	0	2,695	0	5,769	0	0
N Y	0	0	3	0	3,799	0	0
N C	0	0	0	0	0	0	0
N DAK	681	0	4,951	0	151,707	0	12
OHIO	0	0	0	0	191,091	0	0
OKLA	10,053	77	6,557	100	119,539	138	0
OREG	4,772	719	59,716	0	13,342	0	0
PA	11,053	0	0	0	1,701	0	0
R I	0	0	0	0	0	212	0
S C	0	0	0	0	0	1,847	0
S DAK	0	0	444	0	78,731	0	0
TENN	0	0	0	0	77,791	0	0
TEX	0	1,055	131,942	0	57,187	0	0
UTAH	300	0	4,068	0	2,880	0	0
VT	0	0	0	0	911	0	0
VA	0	0	13	0	4,688	0	0
WASH	3,161	521	30,835	0	34,373	0	0
W VA	0	0	0	0	6,774	0	0
WIS	0	0	130	0	141,355	0	0
WYO	96	0	423	0	3,841	3,538	0
P R	0	0	0	0	0	0	0
TOTAL	106,957	3,088	436,653	2,300	3,481,921	17,181	32,041

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 18 -- CONSUMPTION OF NITROGEN SOLUTIONS BY DIRECT-APPLICATION,  
YEARS ENDED JUNE 30, 1979 AND 1980

STATE	UNDER 28% NITROGEN		28-32% NITROGEN		OVER 32% NITROGEN	
	1979	1980	1979	1980	1979	1980
	- - - T O N S - - -					
ALA	0	12,031	64,935	54,155	0	0
ALAS	0	0	0	0	0	0
ARIZ	8,434	9,963	72,467	86,073	37	0
ARK	9	226	23,066	43,320	13	76
CALIF	226,627	222,320	209,237	268,767	3,401	37,770
COLO	7,320	20,018	85,887	69,671	8	26
CONN	0	0	0	0	0	0
DEL	0	0	24,163	25,442	115	36
D C	0	0	100	0	0	0
FLA	0	0	72,322	70,371	0	0
GA	41,060	39,002	366,672	365,017	33	1,010
HAZ	0	20,039	0	146	0	348
IDAH	421	185	60,517	61,021	0	0
ILL	636	717	626,090	635,419	26,186	24,034
IND	8	0	461,131	498,569	2,490	2,826
IOWA	0	0	545,839	536,307	727	501
KANS	4,962	4,846	289,738	293,892	0	15
KY	0	0	47,506	56,141	0	0
LA	0	0	16,058	16,058	0	0
MAINE	0	0	0	12	0	0
MD	0	0	64,467	78,417	95	0
MASS	0	0	484	245	0	0
MICH	430	0	109,556	105,917	8	17
MINN	3	674	166,359	175,801	2,154	5,279
MISS	0	0	41,962	49,133	0	0
MO	63	138	98,653	127,867	5	113
MONT	6,577	8,401	269	0	0	0
NEBR	14,085	20,311	443,820	473,191	71	124
NEV	0	0	6,912	1,922	0	1,299
N H	0	0	0	0	0	0
N J	0	0	4,945	5,860	0	0
N MEX	0	0	15,679	21,357	0	0
N Y	239	789	46,296	47,974	315	525
N C	19	334	342,150	368,496	548	671
N DAK	0	0	66,475	64,335	0	6
OHIO	1,201	713	304,479	375,654	347	334
OKLA	2,617	3,403	65,517	81,013	0	0
OREG	5,990	0	52,196	56,134	470	0
PA	51,608	11,057	0	49,614	0	0
R I	0	0	0	0	0	0
S C	13,897	13,873	145,090	155,861	0	0
S DAK	0	353	59,024	30,158	25	0
TENN	0	0	33,494	40,464	0	0
TEX	895	504	217,669	267,749	1,208	7,785
UTAH	0	0	2,337	1,320	0	0
VT	0	0	1,538	5,158	0	0
VA	0	0	137,186	139,584	1	0
WASH	4,808	5,425	113,154	125,535	0	0
W VA	0	0	25	0	0	0
WIS	0	429	122,852	171,004	2,548	996
WYO	0	0	12,385	15,108	0	0
P R	0	0	0	0	0	0
TOTAL	391,909	395,751	5,640,701	6,135,852	41,007	83,791

TABLE 19 -- MICRONUTRIENTS SOLD FOR FERTILIZER IN THE UNITED STATES

REGION OF APPLICATION	QUANTITY OF THE ELEMENT SOLD				
	COPPER	IRON	MANGANESE	ZINC	MOLYBDENUM
	TONS				
	JULY 1, 1978- JUNE 30, 1979				
NEW ENGLAND (CONN, ME, MASS, N H, R I, VT)	7.9	10.0	10.3	93.9	0
MID-ATLANTIC (DEL, D C, MD, N J, N Y, PA, W VA)	72.3	45.4	495.0	286.1	.6
SOUTH ATLANTIC (FLA, GA, N C, S C, VA)	752.2	553.7	8,075.6	6,314.5	8.1
EAST NORTH CENTRAL (ILL, IND, MICH, OHIO, WIS)	51.0	381.2	4,465.2	4,728.8	42.7
WEST NORTH CENTRAL (IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	142.8	521.4	1,041.3	16,977.8	8.5
EAST SOUTH CENTRAL (ALA, KY, MISS, TENN)	61.5	180.7	367.5	1,925.6	13.9
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	114.1	1,460.6	570.7	5,094.8	22.9
MOUNTAIN (ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	22.0	505.6	331.2	4,785.5	1.7
PACIFIC (CALIF, OREG, WASH)	65.0	549.2	369.4	10,193.9	1.5
ALAS, HAW, P R	2.5	11.1	2.3	5.2	2.1
TOTAL	1,291.3	4,218.9	15,728.5	50,406.1	102.0
	JULY 1, 1979-JUNE 30, 1980				
NEW ENGLAND (CONN, ME, MASS, N H, R I, VT)	7.2	10.5	10.0	91.3	0
MID-ATLANTIC (DEL, D C, MD, N J, N Y, PA, W VA)	126.6	52.5	116.6	523.0	.9
SOUTH ATLANTIC (FLA, GA, N C, S C, VA)	997.9	545.6	5,631.7	5,335.9	15.4
EAST NORTH CENTRAL (ILL, IND, MICH, OHIO, WIS)	48.6	628.4	5,697.3	3,200.9	59.6
WEST NORTH CENTRAL (IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	176.3	502.1	1,217.0	15,914.6	13.5
EAST SOUTH CENTRAL (ALA, KY, MISS, TENN)	64.6	182.2	435.3	1,785.8	22.1
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	65.9	1,685.0	542.6	4,586.4	16.1
MOUNTAIN (ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	22.0	678.8	777.3	5,112.9	9.2
PACIFIC (CALIF, OREG, WASH)	68.7	709.4	619.4	9,143.6	3.0
ALAS, HAW, P/R	2.6	12.3	10.0	5.2	0
TOTAL	1,580.4	5,006.8	15,057.2	45,699.6	139.8

TABLE 20 CONVERSION FACTORS

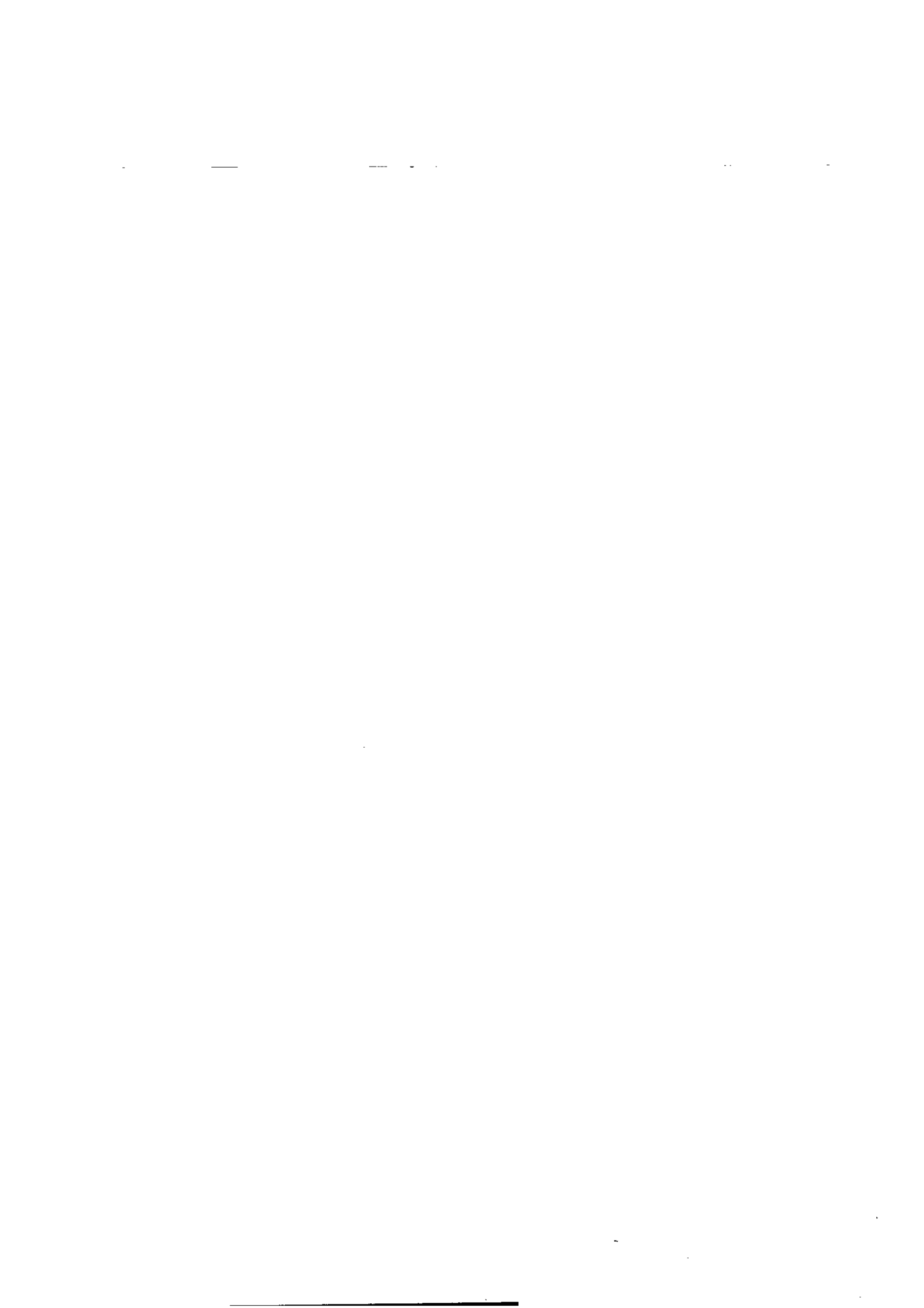
CONVERSION FACTORS

TO CONVERT	:	TO	:	MULTIPLY BY
P <sub>2</sub> O	:	P	:	0.43642
P	:	P <sub>2</sub> O <sub>5</sub>	:	2.29137
K <sub>2</sub> O	:	K	:	0.83016
K	:	K <sub>2</sub> O	:	1.20459

AVERAGE ANALYSES FOR YEAR ENDING JUNE 30, 1980

ITEM	:	N	:	P <sub>2</sub> O <sub>5</sub>	:	K <sub>2</sub> O
MIXED FERTILIZERS	:	10.77	:	19.61	:	12.84
NITROGEN MATERIALS:	:		:		:	
ANHYDROUS AMMONIA	:	82.0	:		:	
AQUA AMMONIA	:	20.1	:		:	
AMMONIUM NITRATE	:	33.5	:		:	
AMMONIUM SULFATE	:	20.9	:		:	
NITROGEN SOLUTIONS	:	28.9	:		:	
SODIUM NITRATE	:	16.0	:		:	
UREA	:	45.7	:		:	
AMMONIUM NITRATE LIMESTONE	:	18.9	:		:	
PHOSPHATE MATERIALS:	:		:		:	
PHOSPHATE ROCK 1/	:		:	2.9	:	
SUPERPHOSPHATE (22% + UNDER)	:		:	19.4	:	
SUPERPHOSPHATE (OVER 22%)	:		:	45.0	:	
PHOSPHORIC SOLUTIONS	:		:	53.6	:	
AMMONIUM PHOSPHATE	:	15.8	:	25.8	:	
POTASH MATERIALS:	:		:		:	
POTASSIUM CHLORIDE	:		:		:	60.3
POTASSIUM MAGNESIUM SULFATE	:		:		:	22.0
POTASSIUM NITRATE	:	13.2	:		:	44.0
POTASSIUM SODIUM NITRATE	:	15.0	:		:	14.6
POTASSIUM SULFATE	:		:		:	49.6
ORGANIC MATERIALS:	:	2.6	:	2.0	:	2.1

1/ INCLUDES COLLOIDAL PHOSPHATE.



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