COMMERCIAL FERTILIZERS
CONSUMPTION FOR YEAR ENDED JUNE 30, 1981

Crop Reporting Board

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For Information Call: (202) 447-7621

TOTAL FERTILIZER CONSUMPTION UP 1 PERCENT

Fertilizer consumption in the U.S. and Puerto Rico during the year ended June 30, 1981 is placed at 53.3 million tons, up 1 percent from the 52.8 million tons consumed during the 1979-80 year.

Primary nutrient content (nitrogen, N; phosphate, P_2O_5; and potash, K_2O) was 23.5 million tons, up 2 percent from a year earlier. Nitrogen consumption increased 3 percent to 11.8 million tons; phosphate usage at 5.4 million tons and potash consumption at 6.2 million tons were unchanged.

The five leading States in order of total consumption and the change in consumption from last year were: Illinois, down 5 percent; California, down 7 percent; Iowa, up 4 percent; Texas, up 5 percent and Indiana, down 5 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 fertilizer are excluded.

DIRECT APPLICATION MATERIALS INCREASED 2 PERCENT

Usage of all direct application materials increased 2 percent during the 1980-81 fertilizer year to 30.0 million tons. Primary nutrient material (N, P_2O_5, K_2O) accounted for 27.9 million tons compared with 27.2 million tons a year earlier. Secondary and micronutrient materials decreased from 2.3 million tons in 1980 to 2.1 million tons in 1981.

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 iron and molybdenum and decreases for manganese, copper and zinc.

DATA SOURCES AND RELEASE DATES

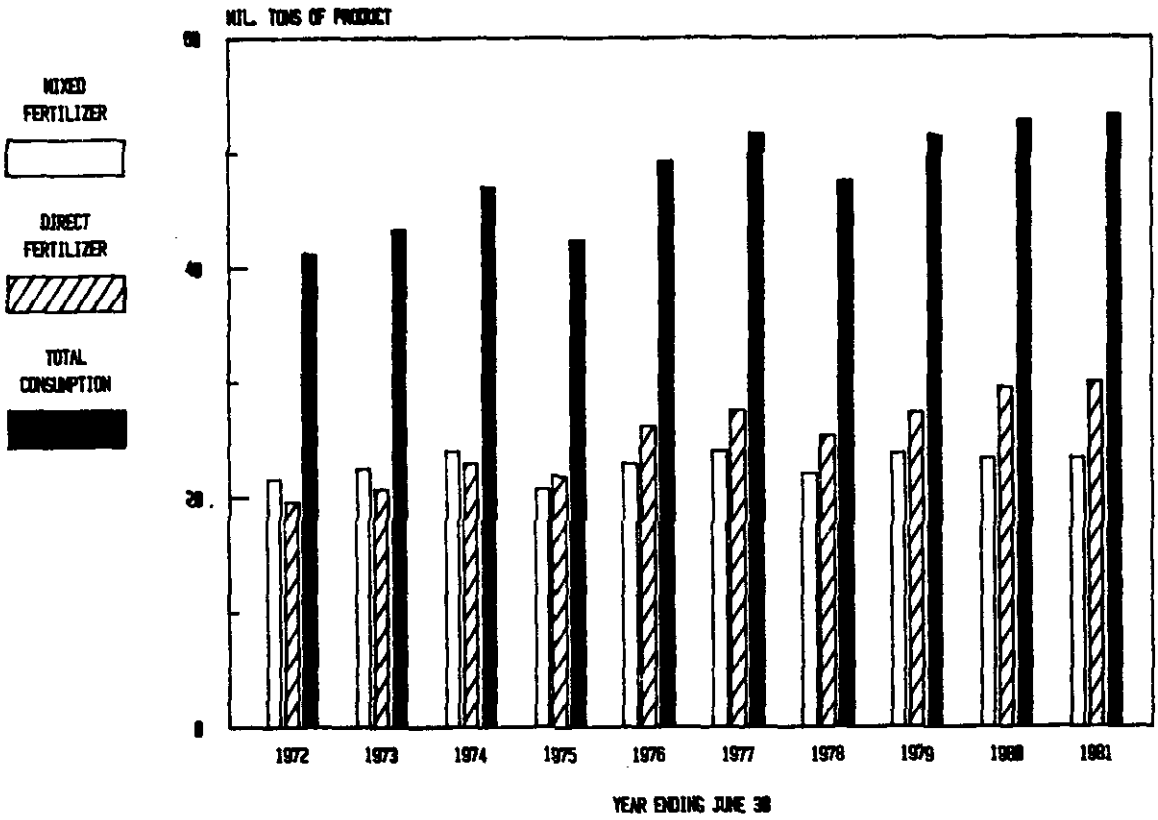
This report, compiled by the Crop Reporting Board of the Statistical Reporting Service, is based on fertilizer tonnage reports prepared by State Fertilizer Control Officials and the voluntary response of more than 1,500 fertilizer manufacturers, blenders and sales outlets. The 1980-81 State fertilizer tonnage reports for Louisiana, Connecticut and the last 6 months of North Dakota were not available in time for this release. Therefore, the previous year's consumption data for these periods were used in this report for those States.

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 4, 1981 at 3 p.m.

TABLE 1.--UNITED STATES CONSUMPTION OF FERTILIZERS AND PLANT NUTRIENTS
1960-1981

YEAR ENDED JUN 30	TOTAL CONSUMPTION							
	GROSS TONNAGES				PRIMARY NUTRIENT CONTENT			
	MIXED FERTI-LIZER	PRIMARY NUTRIENT MATERIAL	SECONDARY & MICRO-NUTRIENTS	TOTAL	N	AVAILABLE P_2O_5	K_2O	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	23,270	27,221	2,296	52,787	11,406.7	5,431.5	6,245.1	23,083.3
1981	23,340	27,853	2,136	53,329	11,784.3	5,423.5	6,243.2	23,451.1

CONSUMPTION OF MIXED FERTILIZERS AND DIRECT APPLICATION MATERIALS



PLANT NUTRIENT CONSUMPTION

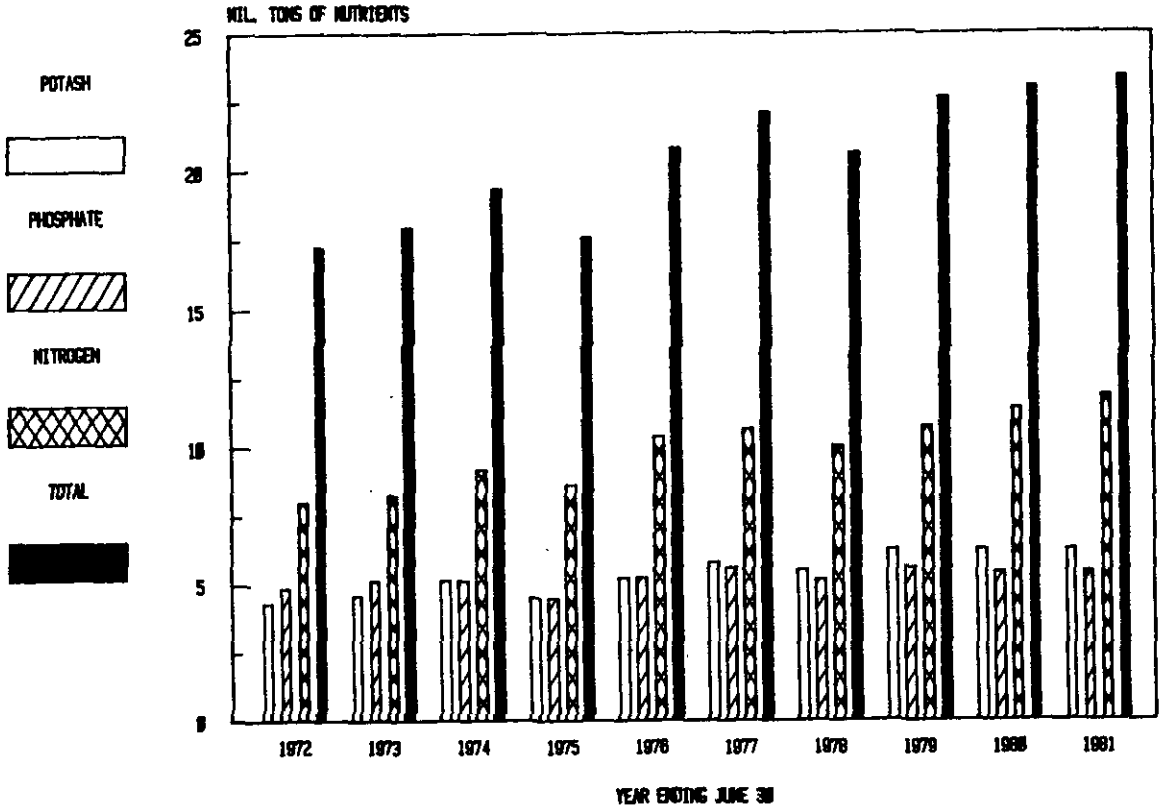


TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS, YEARS ENDED JUNE 30, 1980 AND 1981 1/ 2/

KIND	UNITED STATES 1980	UNITED STATES 1981	1981 NEW ENGLAND	1981 MIDDLE ATLANTIC	1981 SOUTH ATLANTIC	1981 EAST NORTH CENTRAL
	TONS					
MIXTURES						
N-P-K	15,831,396	15,626,843	247,548	1,265,994	4,415,531	3,106,844
N-P	5,289,805	5,519,403	4,403	95,601	38,896	1,411,406
N-K	611,513	681,703	2,471	13,476	440,575	33,018
P-K	1,537,488	1,512,078	4,504	123,310	456,132	255,945
TOTAL	23,270,202	23,340,027	258,926	1,498,381	5,351,134	4,807,213
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	5,483,349	5,621,954	123	35,698	57,511	1,312,481
AQUA AMMONIA	667,615	723,638	0	194	334	19,735
AMMONIUM NITRATE	2,627,660	2,945,174	2,497	33,782	306,307	154,388
AMMONIUM NITRATE-LIMESTONE	14,285	14,567	249	60	952	16
AMMONIUM SULFATE	870,722	948,470	4,532	19,452	20,814	63,757
CALCIUM CYANAMIDE	71	89	0	0	2	0
CALCIUM NITRATE	72,611	60,516	216	1,170	16,225	2,108
NITROGEN SOLUTIONS	6,669,503	7,057,437	2,863	263,545	1,386,259	1,847,904
SODIUM NITRATE	83,999	76,362	76	2,500	49,569	237
UREA	2,144,628	2,144,894	11,234	79,464	15,212	482,676
OTHER	418,328	384,788	2,898	10,690	17,047	40,387
TOTAL	19,052,771	19,977,889	24,688	446,555	1,870,232	3,923,689
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	501	607	13	70	22	180
CASTOR POMACE	30	39	24	0	15	0
COMPOST	17,992	26,307	7,226	151	1	12,539
COTTONSEED MEAL	5,525	2,224	398	32	179	31
DRIED MANURE	164,543	113,277	6,830	20,999	32,935	9,203
ACTIVATED SEWAGE SLUDGE	34,572	29,331	914	3,925	13,750	8,742
OTHER SEWAGE SLUDGE	44,942	36,676	5	4	195	32
TANKAGE	1,978	709	47	42	379	0
OTHER	36,114	18,149	1	1,391	7,175	1,631
TOTAL	306,197	227,319	15,458	26,614	54,651	32,358
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	657,881	601,105	2,339	9,413	32,208	8,907
BASIC SLAG	82,211	80,717	0	0	27,761	0
RAW AND STEAMED BONEMEAL	2,272	1,383	141	643	174	291
PHOSPHORIC SOLUTIONS	24,551	38,922	0	51	444	5,258
PHOSPHATE ROCK	10,499	5,290	35	35	415	181
COLLOIDAL PHOSPHATE	17,235	9,344	310	1,238	268	1,679
SUPERPHOSPHATE GRADES:						
18 PERCENT	36,514	28,029	1	858	2,332	23,536
19 PERCENT	1,807	5,418	0	0	5,101	0
20-22 PERCENT	83,587	78,475	241	1,325	16,192	761
23-44 PERCENT	384,293	341,082	3,713	7,664	7,957	188,115
45 PERCENT	250,370	213,441	10	2	36	7,719
46 PERCENT	498,670	456,726	1,772	23,943	4,149	231,140
47-54 PERCENT	33,207	34,140	0	27	0	9,837
OTHER	237,027	154,209	317	10,280	5,154	58,629
TOTAL	2,320,124	2,048,281	8,879	55,479	102,191	536,053
POTASH MATERIALS						
LIME POTASH	8,897	7,953	3	53	93	1,522
MANURE SALTS	11,999	5,798	1	245	634	1,913
POTASSIUM CHLORIDE	5,065,855	5,170,762	9,215	133,931	94,597	2,646,608
POTASSIUM MAGNESIUM SULFATE	127,270	121,159	959	2,470	25,414	17,607
POTASSIUM NITRATE 4/	20,640	4,371	2	163	3,897	108
POTASSIUM SODIUM NITRATE	76,965	72,115	2	2,482	62,507	368
POTASSIUM SULFATE	38,913	45,208	32	503	2,751	1,646
OTHER	191,069	172,633	212	1,598	23,171	54,122
TOTAL	5,541,608	5,599,999	10,426	141,445	213,064	2,723,894
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	318	763	49	352	10	1
BORON COMPOUNDS 5/	7,103	6,485	42	839	961	650
CALCIUM SULFATE (GYPSUM)	1,861,328	1,676,503	610	1,044	239,581	3,701
COPPER COMPOUNDS 5/	950	3,174	1	14	2,759	52
IRON COMPOUNDS 5/	6,975	9,599	1	12	2,261	59
MAGNESIUM COMPOUNDS 5/	5,450	7,097	20	1,053	906	1,636
MANGANESE COMPOUNDS 5/	11,672	12,161	0	410	6,131	1,757
SULFUR 5/	140,056	133,304	20	124	11,762	2,403
SULFURIC ACID	59,518	39,920	0	0	0	0
ZINC COMPOUNDS 5/	63,555	50,595	13	90	1,975	1,384
OTHER	138,816	196,268	381	1,580	21,643	12,054
TOTAL	2,295,741	2,135,869	1,137	5,518	287,989	23,697
TOTAL ALL FERTILIZERS	52,786,643	53,329,384	319,514	2,173,992	7,879,261	12,046,904

SEE FOOTNOTES ON PAGE 7.

TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS, YEARS ENDED JUNE 30, 1980 AND 1981 1/ 2/--CONTINUED

KIND	1981					
	WEST NORTH CENTRAL	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	ALASKA HAWAII PUERTO RICO
	TONS					
MIXTURES						
N-P-K	2,330,103	1,457,650	2,046,665	66,925	581,987	107,596
N-P	2,307,393	294,644	670,177	322,486	365,241	9,156
N-K	57,976	5,199	25,303	876	38,547	64,262
P-K	172,008	248,643	248,972	403	2,161	0
TOTAL	4,867,480	2,006,136	2,991,117	390,690	987,936	181,014
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	2,940,425	141,920	550,903	247,915	334,978	0
AQUA AMMONIA	11,684	1,978	8,778	43,947	634,575	2,413
AMMONIUM NITRATE	703,192	693,879	605,817	267,189	177,248	875
AMMONIUM NITRATE-LIMESTONE	1,861	24	398	8,077	2,930	0
AMMONIUM SULFATE	41,355	4,416	212,935	170,126	408,139	2,944
CALCIUM CYANAMIDE	0	0	0	17	70	0
CALCIUM NITRATE	128	2,085	122	591	37,767	104
NITROGEN SOLUTIONS	1,743,633	262,563	557,941	359,226	623,388	10,115
SODIUM NITRATE	339	11,545	4,146	7	7,940	3
UREA	641,152	211,462	357,564	117,260	222,326	6,544
OTHER	38,709	8,050	10,942	91,814	164,251	0
TOTAL	6,122,478	1,337,922	2,309,546	1,306,169	2,613,612	22,998
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	0	0	0	0	322	0
CASTOR POMACE	0	0	0	0	0	0
COMPOST	3,823	0	0	2,567	0	0
COTTONSEED MEAL	0	0	1,505	0	79	0
DRIED MANURE	0	2,732	3,932	3,043	33,603	0
ACTIVATED SEWAGE SLUDGE	800	0	600	0	600	0
OTHER SEWAGE SLUDGE	19	4,892	73	340	31,116	0
TANKAGE	12	229	0	0	0	0
OTHER	1,834	0	0	0	6,117	0
TOTAL	6,488	7,853	6,110	5,950	71,837	0
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	22,556	484	74,415	193,300	257,288	195
BASIC SLAG	0	45,167	0	0	0	7,789
RAW AND STEAMED BONEMEAL	0	0	11	0	123	0
PHOSPHORIC SOLUTIONS	5,222	102	1,481	8,874	17,490	0
PHOSPHATE ROCK	1,516	0	55	0	2,726	327
COLLOIDAL PHOSPHATE	5,000	261	401	0	187	0
SUPERPHOSPHATE GRADES:						
18 PERCENT	536	0	45	0	721	0
19 PERCENT	67	0	0	0	250	0
20-22 PERCENT	5,763	8,788	1,103	3,536	40,766	0
23-44 PERCENT	99,883	21,735	96	9,705	2,204	10
45 PERCENT	119,102	2,447	8,527	39,489	31,700	4,409
46 PERCENT	71,197	87,317	36,506	294	350	58
47-54 PERCENT	1,711	7,871	156	2,900	11,218	420
OTHER	1,494	318	2,779	389	74,839	10
TOTAL	334,047	174,490	125,575	258,487	439,862	13,218
POTASH MATERIALS						
LIME POTASH	982	223	2,885	1,994	198	0
MANURE SALTS	2,580	76	349	0	0	0
POTASSIUM CHLORIDE	1,739,285	316,367	87,303	38,569	103,442	1,445
POTASSIUM MAGNESIUM SULFATE	42,280	6,453	9,257	11,401	5,177	141
POTASSIUM NITRATE 4/	0	0	0	0	2	199
POTASSIUM SODIUM NITRATE	45	5,443	1,256	0	12	0
POTASSIUM SULFATE	798	27,260	0	862	9,906	1,450
OTHER	58,906	5,273	4,636	4,560	5,691	14,464
TOTAL	1,844,876	361,095	105,686	57,386	124,428	17,699
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	350	0	0	1	0	0
BORON COMPOUNDS 5/	1,007	930	207	74	1,775	0
CALCIUM SULFATE (GYPSUM)	47,744	7,090	281	75,913	1,300,536	3
COPPER COMPOUNDS 5/	304	0	0	24	20	0
IRON COMPOUNDS 5/	1,524	1	648	2,815	1,686	592
MAGNESIUM COMPOUNDS 5/	2,343	346	0	33	639	121
MANGANESE COMPOUNDS 5/	1,997	150	85	74	1,557	0
SULFUR 5/	33,716	260	633	13,712	70,674	0
SULFURIC ACID	0	0	0	786	39,134	0
ZINC COMPOUNDS 5/	12,485	614	158	10,550	23,326	0
OTHER	40,198	14,874	30,531	13,375	61,620	12
TOTAL	141,668	24,265	32,543	117,357	1,500,967	728
TOTAL ALL FERTILIZERS	13,317,037	3,911,761	5,570,577	2,136,039	5,738,642	235,657

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.
5/ REPORTED FOR USE PRIMARILY AS DIRECT APPLICATION MATERIAL.

TABLE 3 -- CONSUMPTION OF FERTILIZER MIXTURES AND DIRECT APPLICATION MATERIALS, YEARS ENDED JUNE 30, 1980 AND 1981 1/

STATE	MIXTURES		DIRECT APPLICATION MATERIALS 2/				TOTAL		
			PRIMARY NUTRIENT		SECONDARY AND MICRO-NUTRIENT		1980	1981	1981 AS PERCENT OF 1980
	1980	1981	1980	1981	1980	1981			
	TONS								PERCENT
ALA	634,441	601,085	340,353	367,859	12,505	11,223	987,299	980,167	99
ALAS	6,445	5,005	2,155	4,055	0	0	8,600	9,060	105
ARIZ	62,958	61,640	280,562	284,383	30,064	69,595	373,584	415,618	111
ARK	390,803	369,351	369,451	511,009	1,265	3,534	761,519	883,894	116
CALIF	712,154	717,873	2,101,243	1,985,910	1,656,604	1,462,857	4,470,001	4,166,640	93
COLO	60,399	41,878	424,245	439,809	8,666	9,447	493,310	491,134	100
CONN	40,370	40,246	17,149	17,159	559	559	58,078	57,964	100
DEL	85,470	98,375	66,136	71,987	20	19	151,626	170,381	112
D C	9,713	2,092	1,261	126	100	0	11,074	2,218	20
FLA	1,761,300	1,718,140	308,440	318,338	40,073	41,498	2,109,813	2,077,976	98
GA	1,238,284	1,227,712	727,787	796,889	202,536	177,213	2,168,607	2,201,814	102
HAW	108,591	102,546	58,527	46,863	2,291	728	169,409	150,137	89
IDAHO	118,068	97,070	442,518	470,697	20,472	21,606	581,058	589,373	101
ILL	1,434,667	1,379,166	3,059,258	2,877,192	3,275	2,000	4,497,200	4,258,358	95
IND	1,435,799	1,329,123	1,427,049	1,382,774	206	8,898	2,863,054	2,720,795	95
IOWA	1,239,505	1,307,488	2,624,819	2,689,977	37,539	55,122	3,901,863	4,052,587	104
KANS	489,194	460,808	1,136,975	1,129,748	45,123	31,984	1,671,292	1,622,540	97
KY	521,283	536,309	516,024	617,705	8,904	9,734	1,046,211	1,163,748	111
LA	606,298	606,298	227,131	227,131	26,854	26,854	860,283	860,283	100
MAINE	92,778	88,011	8,525	12,907	212	27	101,515	100,945	99
MD	299,416	330,064	145,742	150,083	142	386	445,300	480,533	108
MASS	50,417	57,810	15,207	10,504	117	466	65,741	68,780	105
MICH	669,363	677,906	597,254	651,551	5,939	4,252	1,272,556	1,333,709	105
MINN	744,945	787,676	1,556,063	1,684,359	12,067	12,700	2,313,075	2,484,735	107
MISS	382,700	436,978	362,312	444,510	67	223	745,079	881,711	118
MO	1,450,873	1,365,335	480,200	576,462	6,564	8,150	1,937,637	1,969,947	102
MONT	116,065	133,444	158,438	201,562	5,960	6,121	280,463	341,127	122
NEBR	442,362	499,811	1,549,052	1,452,252	42,075	31,301	2,033,489	1,983,364	98
NEV	5,228	6,122	17,275	16,135	7,162	7,057	29,665	29,314	99
N H	19,860	20,317	5,715	4,332	0	1	25,575	24,650	96
N J	161,361	160,943	34,268	35,367	3,201	1,960	198,830	198,270	100
N MEX	32,517	35,273	72,469	67,353	3,547	1,392	108,533	104,018	96
N Y	430,739	440,254	231,042	205,892	1,771	2,302	663,552	648,448	98
N C	1,263,252	1,278,377	560,234	609,303	22,221	23,627	1,845,707	1,911,307	104
N DAK	262,159	264,260	508,941	462,455	3,208	2,091	774,308	728,806	94
OHIO	1,023,630	1,040,263	1,339,931	1,380,367	4,149	3,977	2,367,710	2,424,607	102
OKLA	305,554	303,852	562,864	565,298	401	1,140	868,819	870,290	100
OREG	111,069	99,006	473,185	477,678	6,156	16,739	590,410	593,423	101
PA	417,517	428,387	158,264	167,405	375	708	576,156	596,500	104
R I	11,598	8,257	2,073	2,101	0	0	13,671	10,358	76
S C	556,322	562,241	255,761	301,926	7,689	16,291	819,772	880,458	107
S DAK	147,022	162,102	266,679	312,636	4,615	320	418,316	475,058	114
TENN	410,396	431,764	362,965	451,286	2,308	3,085	775,669	886,135	114
TEX	1,566,239	1,711,616	1,252,379	1,243,479	574	1,015	2,819,192	2,956,110	105
UTAH	14,853	4,791	111,477	37,924	377	87	126,707	42,802	34
VT	38,108	44,285	13,218	12,448	9	84	51,335	56,817	111
VA	549,189	564,664	190,643	213,682	26,180	29,360	766,012	807,706	105
WASH	146,448	171,057	707,962	786,151	20,457	21,371	874,867	978,579	112
W VA	34,979	38,266	39,751	39,233	87	143	74,817	77,642	104
WISC	437,521	380,755	982,802	924,110	10,437	4,570	1,430,760	1,309,435	92
WYD	6,153	10,472	63,906	110,129	618	2,052	70,677	122,653	174
P R	113,827	73,463	3,020	2,997	0	0	116,847	76,460	65
TOTAL	23,270,202	23,340,027	27,220,700	27,853,488	2,295,741	2,135,869	52,786,643	53,329,384	101

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

TABLE 4 -- SEMIANNUAL CONSUMPTION OF FERTILIZER MIXTURES AND MATERIALS, YEAR ENDED JUNE 30, 1981 1/

STATE	MIXTURES			MATERIALS 2/			TOTAL MIXTURES AND MATERIALS JUL 1 1980 TO JUN 30 1981
	JUL 1 TO DEC 31 1980	JAN 1 TO JUN 30 1981	TOTAL	JUL 1 TO DEC 31 1980	JAN 1 TO JUN 30 1981	TOTAL	
				TONS			
ALA	152,521	448,564	601,085	94,780	284,302	379,082	980,167
ALAS	0	5,005	5,005	0	4,055	4,055	9,060
ARIZ	26,534	35,106	61,640	157,588	196,390	353,978	415,618
ARK	83,168	286,183	369,351	139,937	374,606	514,543	883,894
CALIF	360,720	357,153	717,873	1,964,065	1,484,702	3,448,767	4,166,640
COLO	3,141	38,737	41,878	146,654	302,602	449,256	491,134
CONN	4,817	35,429	40,246	4,110	13,608	17,718	57,964
DEL	44,042	54,333	98,375	22,582	49,424	72,006	170,381
D C	767	1,325	2,092	47	79	126	2,218
FLA	619,406	1,098,734	1,718,140	120,393	239,443	359,836	2,077,976
GA	286,631	941,081	1,227,712	214,363	759,739	974,102	2,201,814
HAW	54,846	47,700	102,546	20,534	27,057	47,591	150,137
IDAHO	43,813	53,257	97,070	181,853	310,450	492,303	589,373
ILL	777,102	602,064	1,379,166	1,263,564	1,615,628	2,879,192	4,258,358
IND	522,411	806,712	1,329,123	478,547	913,125	1,391,672	2,720,795
IOWA	680,435	627,053	1,307,488	1,290,093	1,455,006	2,745,099	4,052,587
KANS	266,215	194,593	460,808	574,679	587,053	1,161,732	1,622,540
KY	131,326	404,983	536,309	171,778	455,661	627,439	1,163,748
LA	151,574	454,724	606,298	80,839	173,146	253,985	860,283
MAINE	18,610	69,401	88,011	2,633	10,301	12,934	100,945
MD	73,617	256,447	330,064	51,915	98,554	150,469	480,533
MASS	21,572	36,238	57,810	2,725	8,245	10,970	68,780
MICH	193,191	484,715	677,906	212,272	443,531	655,803	1,333,709
MINN	342,288	445,388	787,676	828,966	868,093	1,697,059	2,484,735
MISS	128,908	308,070	436,978	141,938	302,795	444,733	881,711
MO	695,773	689,562	1,385,335	123,875	460,737	584,612	1,969,947
MONT	57,541	75,903	133,444	65,253	142,430	207,683	341,127
NEBR	123,458	376,353	499,811	456,157	1,027,396	1,483,553	1,983,364
NEV	1,557	4,565	6,122	6,865	16,327	23,192	29,314
N H	6,711	13,606	20,317	1,469	2,864	4,333	24,650
N J	37,574	123,369	160,943	8,180	29,147	37,327	198,270
N MEX	10,318	24,955	35,273	23,129	45,616	68,745	104,018
N Y	130,920	309,334	440,254	56,504	151,690	208,194	648,448
N C	226,694	1,051,683	1,278,377	76,849	556,081	632,930	1,911,307
N DAK	80,635	183,625	264,260	190,361	274,185	464,546	728,806
OHIO	364,037	676,226	1,040,263	489,305	895,039	1,384,344	2,424,607
OKLA	177,797	126,055	303,852	278,265	288,173	566,438	870,290
OREG	40,928	58,078	99,006	168,765	325,652	494,417	593,423
PA	111,484	316,903	428,387	39,483	128,630	168,113	596,500
R I	1,771	6,486	8,257	649	1,452	2,101	10,358
S C	109,777	452,464	562,241	65,213	253,004	318,217	880,458
S DAK	51,767	110,335	162,102	126,655	186,301	312,956	475,058
TENN	130,086	301,678	431,764	149,959	304,412	454,371	886,135
TEX	572,304	1,139,312	1,711,616	399,006	845,488	1,244,494	2,956,110
UTAH	1,468	3,323	4,791	9,501	28,510	38,011	42,802
VT	8,379	35,906	44,285	2,991	9,541	12,532	56,817
VA	120,613	444,051	564,664	71,357	171,685	243,042	807,706
WASH	40,822	130,235	171,057	298,243	509,279	807,522	978,579
W VA	9,809	28,457	38,266	10,992	28,384	39,376	77,642
WISC	150,176	230,579	380,755	446,975	481,705	928,680	1,309,435
WYO	7,102	3,370	10,472	49,607	62,574	112,181	122,653
P R	31,962	41,501	73,463	1,405	1,592	2,997	76,460
TOTAL	8,289,118	15,050,909	23,340,027	11,783,868	18,205,489	29,989,357	53,329,384

1/ EXCLUDES LIMING MATERIALS.
2/ INCLUDES PRIMARY NUTRIENT MATERIALS (N, P_2O_5, K_2O) AND SECONDARY/MICRONUTRIENT MATERIALS FOR DIRECT APPLICATION.

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION, YEARS ENDED JUNE 30, 1980 AND 1981

STATE	AMMONIA				AMMONIUM			
	ANHYDROUS		AQUA		NITRATE		SULFATE	
	1980	1981	1980	1981	1980	1981	1980	1981
	TONS							
ALA	15,067	16,895	2,152	1,978	174,207	196,380	85	155
ALAS	0	0	0	0	370	875	0	55
ARIZ	56,315	53,738	28,844	33,597	4,922	3,274	7,944	6,291
ARK	9,534	10,066	0	1,124	80,599	110,093	4,909	4,138
CALIF	187,421	221,044	395,794	398,098	94,924	99,344	239,113	292,644
COLO	95,151	73,778	421	0	59,660	43,559	28,458	30,470
CONN	0	0	0	0	214	214	2	2
DEL	1,075	927	0	0	3,417	2,380	3,089	3,116
D C	0	14	0	0	0	0	0	0
FLA	6,264	10,451	0	109	75,863	70,435	6,926	7,558
GA	27,240	28,691	0	13	146,521	149,674	4,888	7,799
HAW	0	0	4,930	2,413	0	0	1,197	1,231
IDAHO	57,851	62,629	15,811	10,292	67,633	79,246	105,355	109,056
ILL	708,860	703,830	0	0	63,861	69,980	7,253	6,486
IND	257,280	236,079	2,994	6,069	2,558	18,899	16,193	16,191
IOWA	766,337	896,180	4,621	2,731	68,699	66,251	6,444	9,493
KANS	481,531	452,169	456	789	179,224	209,661	4,916	5,597
KY	51,298	48,260	0	0	148,802	183,018	1,269	4,229
LA	17,966	17,966	0	0	75,200	75,200	48,383	48,383
MAINE	0	0	0	0	1,664	1,846	499	4,357
MD	10,430	5,330	0	0	7,236	7,475	3,188	3,706
MASS	3	0	0	0	424	57	28	26
MICH	108,450	108,703	1,382	285	26,826	19,087	7,831	10,282
MINN	421,032	471,562	1,512	424	58,320	50,321	6,444	10,392
MISS	39,874	63,150	0	0	156,427	195,264	0	0
MO	131,435	116,277	0	18	101,694	189,232	155	882
MONT	8,255	23,386	0	0	59,615	73,116	15,244	8,109
NEBR	692,939	650,333	4,531	4,967	102,146	99,113	20,215	13,897
NEV	556	525	0	0	847	333	1,978	3,015
N H	0	0	0	0	324	0	98	92
N J	210	315	2	55	3,360	3,243	16	481
N MEX	19,780	17,369	0	0	2,876	4,485	4,104	5,102
N Y	15,201	14,379	0	0	7,552	12,606	2,563	4,727
N C	13,997	13,535	288	5	53,096	45,287	2,791	1,285
N DAK	272,670	270,047	0	0	26,011	27,246	1,441	1,094
OHIO	161,287	172,204	169	2,664	15,436	17,201	18,086	21,341
OKLA	211,175	153,937	0	0	133,398	146,160	4,531	4,823
OREG	21,944	26,676	27,944	34,722	24,592	25,414	75,176	80,702
PA	4,831	4,334	0	139	5,690	5,498	3,016	7,107
R I	0	0	0	0	12	6	0	0
S C	3,422	4,471	107	204	24,706	27,080	1,493	2,243
S DAK	59,087	83,857	2,673	2,755	59,025	61,368	0	0
TENN	16,310	13,615	0	0	105,709	119,217	50	32
TEX	338,012	368,934	12,151	7,654	233,235	274,364	136,883	155,591
UTAH	5,647	2,504	0	0	37,510	10,900	33,656	7,324
VT	172	123	0	0	752	374	59	55
VA	283	363	8	3	11,788	13,831	1,370	1,929
WASH	73,948	87,258	154,033	201,755	55,403	52,490	31,927	34,793
W VA	5,300	10,399	0	0	5,207	2,580	1,610	315
WISC	97,062	91,665	5,545	10,717	37,430	29,221	8,475	9,457
WYO	10,847	13,986	39	58	22,675	52,276	314	753
P R	0	0	1,208	0	0	0	1,057	1,653
TOTAL	5,483,349	5,621,954	667,615	723,638	2,627,660	2,945,174	870,722	948,470

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1980 AND 1981--CONTINUED

STATE	NITROGEN SOLUTIONS		SODIUM NITRATE		UREA		AMMONIUM NITRATE-LIMESTONE	
	1980	1981	1980	1981	1980	1981	1980	1981
				TONS				
LA	66,786	89,616	754	1,115	2,072	4,158	2	0
LAS	0	0	0	0	1,590	2,230	0	0
RIZ	96,036	107,483	0	0	34,322	32,277	6,461	7,983
RK	43,622	87,843	1,903	3,233	195,963	258,882	0	0
ALIF	528,857	402,127	5,170	7,940	61,679	85,222	1,432	2,930
OLO	109,715	121,468	0	7	10,484	7,303	0	24
ONN	294	294	64	64	4,153	4,153	0	0
EL	37,666	44,454	45	43	1,316	920	0	0
C	0	8	0	42	108	1	0	0
LA	70,371	85,397	2,173	1,370	3,322	3,378	46	272
A	405,029	469,638	4,144	3,583	2,788	2,212	30	218
AW	14,639	10,115	9	3	8,379	3,618	0	0
DAHO	61,206	73,410	0	0	34,723	41,920	0	0
LL	660,170	590,740	1	1	143,969	109,591	0	0
ND	501,366	507,427	0	0	93,528	75,674	574	16
OWA	536,808	564,456	0	0	200,930	154,102	3,149	0
ANS	293,892	298,049	0	0	60,571	70,305	0	0
Y	56,141	61,479	937	1,310	35,455	67,041	0	24
A	44,628	44,628	388	388	17,785	17,785	398	398
AINE	12	451	2	0	2,170	3,243	0	0
D	78,417	78,854	752	796	7,013	7,836	0	0
ASS	245	96	31	6	2,451	601	0	2
ICH	105,934	131,887	10	194	79,989	81,900	0	0
INN	181,754	196,157	1	0	192,149	188,166	0	0
ISS	49,133	65,827	4,564	6,074	60,044	61,678	0	0
O	128,118	139,728	48	339	71,158	66,152	561	736
ONT	8,401	15,717	0	0	23,570	26,363	0	0
EBR	493,626	458,304	0	0	45,309	42,226	0	0
EV	3,221	3,021	0	0	516	440	3	1
H	0	6	0	0	873	500	0	247
J	5,860	7,495	623	643	4,177	5,199	32	0
MEX	21,357	14,883	0	0	4,899	5,981	0	42
Y	54,109	61,502	888	780	18,508	22,206	0	0
C	385,527	453,533	33,161	35,256	2,443	2,962	177	78
DAK	64,341	53,825	15	0	94,666	64,128	0	0
HIO	376,701	449,249	95	42	152,276	141,693	0	0
KLA	84,416	128,659	140	525	43,452	65,600	0	0
REG	56,134	67,128	16,447	0	79,913	75,966	0	0
A	60,671	63,063	11	3	36,708	38,856	98	60
I	0	0	40	6	45	263	0	0
C	169,734	219,712	6,989	6,183	744	1,170	0	0
DAK	30,511	33,114	0	0	49,461	56,073	1,259	1,125
ENN	40,464	45,641	1,293	3,046	34,173	78,585	0	0
EX	276,038	296,811	0	0	70,873	15,297	0	0
TAH	1,320	2,314	0	0	5,183	1,347	0	0
T	5,108	2,016	0	0	2,895	2,474	0	0
A	142,628	157,979	3,176	3,177	3,840	5,490	23	384
ASH	130,960	154,133	0	0	58,917	61,138	0	0
VA	0	8,169	125	193	3,292	4,446	0	0
ISC	172,429	168,601	0	0	76,005	73,818	0	0
YO	15,108	20,930	0	0	3,620	1,629	0	27
R	0	0	0	0	159	696	0	0
OTAL	6,669,503	7,057,437	83,999	76,362	2,144,628	2,144,894	14,285	14,567

TABLE 6 -- DIRECT APPLICATION NITROGEN, AND SECONDARY AND MICRONUTRIENT MATERIALS CONSUMPTION, YEARS ENDED JUNE 30, 1980 AND 1981

STATE	NITROGEN MATERIALS		SECONDARY AND MICRONUTRIENT			
	OTHER		GYPSUM		OTHER	
	1980	1981	1980	1981	1980	1981
	TONS					
ALA	559	2,388	291	504	12,214	10,719
ALAS	0	0	0	0	0	0
ARIZ	1,280	917	23,503	64,161	6,561	5,434
ARK	1,189	1,355	0	0	1,265	3,534
CALIF	82,549	92,704	1,480,514	1,281,580	176,090	181,277
COLO	25,611	42,918	1,062	964	7,604	8,483
CONN	163	161	203	203	356	356
DEL	520	655	0	0	20	19
D C	3	2	0	0	100	0
FLA	6,317	7,409	21,295	19,688	18,778	21,810
GA	3,972	12,363	198,002	171,899	4,534	5,314
HAW	635	104	60	3	2,231	725
IDAHO	28,868	37,154	4,807	2,470	15,665	19,136
ILL	20,880	14,430	76	0	3,199	2,000
IND	14,235	14,470	83	1,899	123	6,999
IOWA	7,921	0	13,168	16,726	24,371	38,396
KANS	8,789	2,885	33,103	17,019	12,020	14,965
KY	3,164	5,662	5,338	5,133	3,566	4,601
LA	913	913	0	0	26,854	26,854
MAINE	0	0	0	27	212	0
MD	31	21	0	0	142	386
MASS	311	503	78	380	39	86
MICH	6,764	8,548	1,115	0	4,824	4,252
MINN	8,558	1,222	2,660	4,368	9,407	8,332
MISS	0	0	0	193	67	30
MO	1,111	3,228	6,491	8,023	73	127
MONT	0	1,387	958	422	5,002	5,699
NEBR	657	1,675	90	1,608	41,985	29,693
NEV	1,439	2,642	6,604	6,776	558	281
N H	203	110	0	0	0	1
N J	1,768	1,574	1,746	535	1,455	1,425
N MEX	2,908	3,037	38	0	3,509	1,392
N Y	49,807	955	48	350	1,723	1,952
N C	4,847	3,933	21,390	19,291	831	4,336
N DAK	262	171	43	0	3,165	2,091
OHIO	11,791	2,905	350	266	3,799	3,711
OKLA	173	102	69	260	332	880
OREG	47,309	51,888	1,681	11,237	4,475	5,502
PA	911	8,117	134	159	241	549
R I	130	0	0	0	0	0
S C	4,858	4,948	3,792	6,084	3,897	10,207
S DAK	28,872	29,656	1	0	4,614	320
TENN	4,244	2,085	971	1,260	1,337	1,825
TEX	9,553	8,694	17	21	557	994
UTAH	5,149	0	300	87	77	0
VT	0	2,340	0	0	9	84
VA	3,167	4,621	23,560	22,619	2,620	6,741
WASH	70,067	57,496	7,664	7,719	12,793	13,652
W VA	12,872	536	0	0	87	143
WISC	3,953	2,142	19	1,536	10,418	3,034
WYO	1,684	4,367	4	1,033	614	1,019
P R	143	0	0	0	0	0
TOTAL	491,010	445,393	1,861,328	1,676,503	434,413	459,366

TABLE 7 -- DIRECT APPLICATION PHOSPHATE MATERIALS CONSUMPTION, YEARS ENDED JUNE 30, 1980 AND 1981

STATE	PHOSPHATE ROCK 1/		SUPERPHOSPHATES 22 PERCENT & UNDER		SUPERPHOSPHATES OVER 22 PERCENT		AMMONIUM PHOSPHATES 2/		OTHER PHOSPHATES	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
	TONS									
ALA	0	0	5,107	8,048	13,408	8,274	255	44	20,769	22,339
ALAS	0	0	0	0	15	420	60	195	0	10
ARIZ	0	0	39	2,132	3,025	2,850	35,254	32,591	5,010	739
ARK	0	401	472	576	5,261	7,176	792	524	0	11
CALIF	4,584	2,685	45,093	35,111	32,477	31,657	172,918	148,234	85,988	61,880
COLO	0	0	93	0	6,726	5,546	66,547	96,731	1,758	21
CONN	15	15	71	71	3,713	3,713	1,506	1,506	75	27
DEL	0	0	0	0	2,720	2,945	0	0	77	0
D C	0	0	10	0	0	8	0	0	0	0
FLA	951	624	9,718	6,888	0	0	2,337	2,860	11,651	10,821
GA	0	0	5,073	7,440	6,730	4,499	30,415	28,397	24,276	18,786
HAW	1,303	327	0	0	3,334	4,419	165	0	6,470	7,789
IDAHO	0	0	130	33	24,710	18,338	26,156	23,491	3,825	1,235
ILL	0	0	1,565	2,172	269,854	238,646	0	60	13,156	73
IND	4,268	819	141	0	58,240	42,151	0	0	35,273	36,658
IOWA	4,457	2,882	1,315	2,414	151,279	120,952	1,460	1,889	2,275	1,373
KANS	0	751	4,837	504	26,676	25,853	3,996	3,070	836	0
KY	20	261	92	52	54,747	58,614	41	71	72	122
LA	55	55	45	45	5,254	5,254	100	100	54	54
MAINE	2	310	20	25	132	325	8	0	46	33
MD	0	0	4	154	6,848	8,435	0	0	14	10
MASS	15	10	197	66	369	164	0	0	244	91
MICH	0	60	18	85	16,141	16,154	450	5,825	774	1,612
MINN	1,859	2,529	113	88	75,816	70,730	3,526	5,334	2,954	3,083
MISS	0	0	513	169	9,036	7,871	23	99	26,574	23,126
MO	14	110	65	14	3,949	3,477	231	0	679	486
MONT	0	0	0	0	6,274	7,259	19,574	25,567	786	422
NEBR	0	0	2,451	2,818	38,168	32,920	8,332	6,067	497	594
NEV	0	0	1,278	1,098	1,149	385	3,757	2,722	13	22
N H	2	6	35	35	1,024	244	20	0	14	44
N J	10	121	164	1,085	1,359	778	228	86	284	344
N MEX	4,100	0	0	0	2,157	4,352	2,695	4,945	8	34
N Y	564	553	424	777	8,467	7,261	7,617	9,324	14,831	9,577
N C	0	0	3,752	4,856	5,436	1,661	0	0	2,232	1,499
N DAK	205	0	0	0	21,443	21,501	5,644	6,157	3	0
OHIO	354	241	545	536	117,763	93,513	0	0	664	4,167
OKLA	43	0	776	527	26,411	22,748	16,825	3,741	0	42
OREG	183	147	5,403	6,492	5,333	5,715	68,364	64,868	7,378	6,468
PA	957	599	73	110	3,882	8,171	0	0	636	1,027
R I	4	4	6	10	6	17	212	738	45	63
S C	0	0	1,327	2,147	2,007	3,135	1,847	951	7,744	2,327
S DAK	84	244	0	528	13,045	16,460	444	39	1,783	1,180
TENN	0	0	1,871	519	35,900	44,611	0	270	8	0
TEX	0	0	0	0	11,997	10,107	132,997	70,050	5,032	4,164
UTAH	0	0	1,325	0	14,280	10,788	4,368	2,438	184	199
VT	2	0	5	35	1,277	1,032	0	95	4	200
VA	960	59	136	2,294	2,460	2,847	13	0	652	100
WASH	49	81	260	134	7,358	8,100	34,517	44,186	36,275	24,104
W VA	0	0	0	57	4,215	4,038	0	3	0	16
WISC	2,654	740	27,346	21,504	51,353	46,347	130	3,022	23,167	21,668
WYO	0	0	0	273	3,301	2,870	4,057	4,815	871	6,591
P R	0	0	0	0	15	58	0	0	100	0
TOTAL	27,734	14,634	121,908	111,922	1,166,540	1,045,389	657,881	601,105	346,061	275,231

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

TABLE 8 -- DIRECT APPLICATION POTASH AND NATURAL ORGANIC MATERIALS CONSUMPTION, YEARS ENDED JUNE 30, 1980 AND 1981

STATE	POTASH MATERIALS				NATURAL ORGANICS	
	CHLORIDE 50-62 PERCENT GRADES		OTHER			
	1980	1981	1980	1981	1980	1981
	TONS					
ALA	22,754	1,461	11,993	10,116	4,383	4,892
ALAS	45	250	75	20	0	0
ARIZ	460	511	0	0	650	0
ARK	23,260	23,062	1,647	638	300	1,887
CALIF	17,922	37,939	38,368	10,485	106,954	55,866
COLO	10,710	13,526	7,625	3,657	1,286	801
CONN	2,702	2,702	81	81	4,096	4,156
DEL	15,664	15,853	0	2	547	692
D C	5	51	15	0	1,120	0
FLA	21,786	20,408	60,073	54,499	30,642	35,859
GA	27,477	22,722	31,950	31,422	7,254	9,432
HAW	2,714	1,153	14,742	15,691	10	0
IDAHO	9,109	9,914	7,141	3,979	0	0
ILL	1,159,604	1,131,154	5,535	7,029	4,550	3,000
IND	395,779	379,616	44,620	48,673	0	32
IOWA	867,065	867,041	1,219	213	800	0
KANS	70,439	59,664	12	51	800	400
KY	139,620	155,648	21,605	29,182	2,761	2,732
LA	12,562	12,562	3,400	3,400	0	0
MAINE	1,575	1,598	288	182	2,107	537
MD	26,464	35,339	1,040	1,002	4,305	1,125
MASS	2,290	453	243	153	8,356	8,276
MICH	221,271	243,197	5,680	5,840	15,734	17,892
MINN	594,221	674,184	6,204	9,641	1,600	526
MISS	15,824	21,210	0	42	300	0
MO	29,496	43,128	5,848	8,365	5,638	4,290
MONT	10,522	12,673	6,197	6,895	0	668
NEBR	63,829	69,270	75,552	69,666	800	402
NEV	16	31	11	1	2,491	1,899
N H	1,606	1,530	63	7	1,453	1,511
N J	6,776	5,081	788	390	8,611	8,477
N MEX	0	598	5,920	3,943	1,665	2,582
N Y	28,913	41,803	8,331	4,163	13,267	15,279
N C	26,336	27,068	19,563	17,570	6,588	775
N DAK	0	0	21,734	17,617	506	669
OHIO	466,105	458,348	3,955	5,264	14,704	10,999
OKLA	34,355	34,601	3,678	2,333	3,571	1,500
OREG	30,467	27,775	5,599	3,655	999	62
PA	30,135	29,270	6,510	992	4,135	59
R I	0	27	0	0	1,573	967
S C	15,562	14,254	11,398	10,175	3,823	2,926
S DAK	19,947	25,998	74	38	414	201
TENN	118,405	138,048	3,538	5,388	1,000	229
TEX	6,398	17,078	8,952	12,012	10,258	2,723
UTAH	250	110	5	0	2,600	0
VT	2,877	2,905	53	788	14	11
VA	11,248	10,145	4,905	4,801	3,986	5,659
WASH	30,380	37,728	6,938	6,846	16,930	15,909
W VA	6,175	6,534	94	965	861	982
WISC	463,662	434,293	11,930	10,480	1,661	435
WYO	1,070	1,206	251	342	69	0
P R	3	42	310	543	25	0
TOTAL	5,065,855	5,170,762	475,753	429,237	306,197	227,319

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER, YEARS ENDED JUNE 30, 1980 AND 1981 1/

STATE	JULY 1 TO DECEMBER 31, 1979							
	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS			
	N	AVAILABLE P O 2 5	K O 2	TOTAL	N	AVAILABLE P O 2 5	K O 2	TOTAL
	NUTRIENT TONS							
ALA	14,115	26,282	28,661	69,058	37,361	29,291	33,325	99,977
ALAS	0	0	0	0	0	0	0	0
ARIZ	4,200	12,285	60	16,545	45,287	20,785	249	66,321
ARK	7,461	19,819	22,258	49,538	54,888	20,900	24,783	100,571
CALIF	49,944	50,162	26,314	126,420	295,413	116,296	42,876	454,585
COLO	1,714	3,449	500	5,663	64,197	16,734	2,788	83,719
CONN	644	394	427	1,465	1,221	912	830	2,963
DEL	1,140	2,290	1,382	4,812	4,254	2,763	5,255	12,272
D C	713	217	256	1,186	743	229	270	1,242
FLA	71,757	40,272	98,381	210,410	92,723	42,842	106,381	241,946
GA	17,643	29,449	46,363	93,455	60,552	34,819	51,881	147,252
HAW	7,416	8,083	8,731	24,230	11,517	9,212	10,846	31,575
IDAHO	12,826	23,353	701	36,880	70,928	32,490	4,339	107,757
ILL	95,642	249,279	81,798	426,719	354,213	334,297	540,244	1,228,754
IND	37,259	112,599	131,588	281,446	133,021	133,169	274,668	540,858
IOWA	92,656	239,479	49,334	381,469	339,114	288,125	420,583	1,047,822
KANS	44,241	123,652	7,576	175,469	335,506	132,527	29,487	497,520
KY	12,186	29,028	13,539	54,753	37,573	38,582	44,924	121,079
LA	14,685	23,109	25,787	63,581	40,937	23,981	28,582	93,500
MAINE	2,291	2,763	2,636	7,690	2,631	2,786	2,849	8,266
MD	5,032	9,420	8,320	22,772	12,172	10,746	13,994	36,912
MASS	1,812	1,208	1,241	4,261	2,176	1,317	1,606	5,099
MICH	19,359	48,562	39,466	107,387	67,581	51,912	103,455	222,948
MINN	50,674	131,515	18,950	201,139	257,636	152,356	242,221	652,213
MISS	9,106	20,064	19,954	49,124	50,987	22,283	23,140	96,410
MO	80,910	108,461	137,094	326,485	118,673	109,549	143,982	372,204
MONT	8,368	23,477	268	32,113	24,091	26,124	3,493	53,708
NEBR	16,831	46,996	2,608	66,435	225,403	54,586	19,179	299,168
NEV	322	408	64	794	1,488	779	80	2,347
N H	836	751	879	2,466	1,219	818	1,228	3,265
N J	4,921	4,824	5,142	14,887	6,456	5,137	6,422	18,015
N MEX	1,546	3,492	510	5,548	11,969	4,670	1,177	17,816
N Y	16,022	25,080	25,337	66,439	33,513	31,770	29,165	94,448
N C	17,522	28,482	32,204	78,208	43,321	30,010	36,280	109,611
N DAK	14,077	37,164	1,115	52,356	129,604	41,326	7,235	178,165
OHIO	36,337	96,121	57,088	189,546	99,741	128,896	210,244	438,881
OKLA	27,585	64,105	8,418	100,108	215,441	77,002	18,297	310,740
OREG	7,585	14,038	3,004	24,627	52,046	23,914	10,834	86,794
PA	11,420	19,689	16,907	48,016	20,418	21,807	23,539	65,764
R I	366	221	236	823	387	253	239	879
S C	6,451	11,872	20,577	38,900	21,232	13,354	22,730	57,316
S DAK	9,354	21,985	1,247	32,586	53,684	25,262	6,984	85,930
TENN	12,675	28,847	12,316	53,838	33,665	34,397	45,614	113,676
TEX	72,764	95,831	30,661	199,256	270,027	108,829	33,390	412,246
UTAH	1,054	1,022	150	2,226	15,740	2,737	228	18,705
VT	683	871	1,010	2,564	1,149	1,049	1,790	3,988
VA	7,378	13,081	16,356	36,815	20,543	13,632	18,011	52,186
WASH	7,932	17,568	1,337	26,837	99,679	29,820	7,227	136,726
W VA	1,379	2,974	1,073	5,426	4,223	3,705	2,327	10,255
WISC	16,371	42,710	17,872	76,953	74,957	61,493	166,070	302,520
WYO	502	787	21	1,310	13,888	2,460	316	16,664
P R	6,975	2,559	5,431	14,965	7,205	2,580	5,487	15,272
TOTAL	962,682	1,920,169	1,033,148	3,915,999	3,972,393	2,375,313	2,831,144	9,178,850

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, 1980 AND 1981 1/--CONTINUED

STATE	JANUARY 1 TO JUNE 30, 1980							
	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS			
	N	AVAILABLE P_2O_5	K_2O	TOTAL	N	AVAILABLE P_2O_5	K_2O	TOTAL
	NUTRIENT TONS							
ALA	35,202	66,491	79,565	181,258	106,388	73,567	90,328	270,283
ALAS	934	1,340	894	3,168	1,789	1,371	957	4,117
ARIZ	4,488	11,206	117	15,811	70,500	16,183	207	86,890
ARK	24,784	43,366	57,018	125,168	117,087	44,911	68,814	230,812
CALIF	45,986	51,074	25,109	122,169	354,449	104,080	39,572	498,101
COLO	6,012	7,626	1,345	14,983	104,592	32,043	8,237	144,872
CONN	4,593	2,920	3,123	10,636	6,433	4,578	4,514	15,525
DEL	6,173	10,398	13,721	30,292	17,795	11,205	19,419	48,419
D C	1,070	384	424	1,878	1,122	397	444	1,963
FLA	112,252	63,057	153,988	329,297	156,803	68,518	170,988	396,309
GA	52,886	98,950	164,243	316,079	212,084	116,178	182,613	510,875
HAW	7,443	8,950	7,803	24,196	11,609	10,034	10,055	31,698
IDAHO	10,567	15,926	386	26,879	93,889	25,018	4,075	122,982
ILL	73,180	165,524	66,740	305,444	679,931	209,293	306,792	1,196,016
IND	72,028	177,698	162,084	411,810	378,156	191,273	275,131	844,560
IOWA	73,852	171,375	50,217	295,444	729,850	193,160	206,753	1,129,763
KANS	25,135	67,662	5,608	98,405	303,020	72,950	26,668	402,638
KY	39,308	81,165	57,349	177,822	139,183	96,491	120,233	355,907
LA	44,056	69,326	77,360	190,742	92,922	70,945	82,550	246,417
MAINE	8,616	10,396	9,911	28,923	9,976	10,492	10,763	31,231
MD	21,901	34,925	36,307	93,133	53,400	36,741	47,270	137,411
MASS	5,605	3,782	3,544	12,931	6,905	4,127	4,769	15,801
MICH	49,155	106,760	69,171	225,086	168,877	111,470	140,010	420,357
MINN	55,406	134,283	[illegible]	218,902	360,103	[illegible]	164,575	674,557
MISS	21,245	46,752	56,573	124,570	106,278	51,257	63,043	220,578
MO	117,729	107,421	150,357	375,507	292,258	108,536	162,771	563,565
MONT	10,445	26,495	504	37,444	40,798	31,326	5,266	77,390
NEBR	40,318	105,771	10,671	156,760	600,872	118,043	48,555	767,470
NEV	603	412	145	1,160	2,817	1,628	170	4,615
N H	1,740	1,460	1,470	4,670	1,965	1,912	2,147	6,024
N J	14,178	12,746	12,987	39,911	18,527	13,419	16,396	48,342
N MEX	2,512	6,214	888	9,614	19,169	6,769	1,636	27,574
N Y	30,665	42,887	38,398	111,950	75,206	48,475	54,983	178,664
N C	68,171	109,538	177,373	355,082	193,573	112,052	193,038	498,663
N DAK	27,562	68,253	5,932	101,747	206,652	75,069	12,846	294,567
OHIO	68,792	157,496	94,413	320,701	324,965	178,744	224,626	728,335
OKLA	15,840	31,005	10,036	56,881	92,794	36,739	21,635	151,168
OREG	10,644	17,977	3,399	32,020	94,999	29,144	15,498	139,641
PA	34,144	49,223	37,739	121,106	65,659	49,426	51,463	166,548
R I	1,229	794	813	2,836	1,364	930	828	3,122
S C	21,592	43,070	86,683	151,345	70,266	47,179	98,482	215,927
S DAK	14,917	29,659	3,190	47,766	79,407	32,734	9,476	121,617
TENN	29,495	63,104	43,266	135,885	85,086	74,477	83,931	243,494
TEX	134,231	145,210	65,937	345,378	467,196	165,883	70,048	703,127
UTAH	2,024	1,758	224	4,006	17,030	7,929	397	25,356
VT	3,485	4,557	4,833	12,875	6,362	4,968	5,820	17,150
VA	36,046	49,408	68,633	154,087	73,385	50,401	75,311	199,097
WASH	14,678	32,390	3,990	51,058	135,005	46,309	20,173	201,487
W VA	2,342	4,444	2,698	9,484	11,326	5,613	5,195	22,134
WISC	32,315	76,634	42,254	151,203	153,404	94,950	176,429	424,783
WYO	603	1,327	24	1,954	10,934	3,764	392	15,090
P R	9,783	3,587	7,554	20,924	10,129	3,620	7,638	21,387
TOTAL	1,547,960	2,644,176	2,006,244	6,198,380	7,434,289	3,056,200	3,413,930	13,904,419

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, 1980 AND 1981 1/--CONTINUED

STATE	JULY 1, 1979 TO JUNE 30, 1980							
	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS			
	N	AVAILABLE P O 2 5	K O 2	TOTAL	N	AVAILABLE P O 2 5	K O 2	TOTAL
	NUTRIENT TONS							
ALA	49,317	92,773	108,226	250,316	143,749	102,858	123,653	370,260
ALAS	934	1,340	894	3,168	1,789	1,371	957	4,117
ARIZ	8,688	23,491	177	32,356	115,787	36,968	456	153,211
ARK	32,245	63,185	79,276	174,706	171,975	65,811	93,597	331,383
CALIF	95,930	101,236	51,423	248,589	649,862	220,376	82,448	952,686
COLO	7,726	11,075	1,845	20,646	168,789	48,777	11,025	228,591
CONN	5,237	3,314	3,550	12,101	7,654	5,490	5,344	18,488
DEL	7,313	12,688	15,103	35,104	22,049	13,968	24,674	60,691
D C	1,783	601	680	3,064	1,865	626	714	3,205
FLA	184,009	103,329	252,369	539,707	249,526	111,360	277,369	638,255
GA	70,529	128,399	210,606	409,534	272,636	150,997	234,494	658,127
HAW	14,859	17,033	16,534	48,426	23,126	19,246	20,901	63,273
IDAHO	23,393	39,279	1,087	63,759	164,817	57,508	8,414	230,739
ILL	168,822	414,803	148,538	732,163	1,034,144	543,590	847,036	2,424,770
IND	109,287	290,297	293,672	693,256	511,177	324,442	549,799	1,385,418
IOWA	166,508	410,854	99,551	676,913	1,068,964	481,285	627,336	2,177,585
KANS	69,376	191,314	13,184	273,874	638,526	205,477	56,155	900,158
KY	51,494	110,193	70,888	232,575	176,756	135,073	165,157	476,986
LA	58,741	92,435	103,147	254,323	133,859	94,926	111,132	339,917
MAINE	10,907	13,159	12,547	36,613	12,607	13,278	13,612	39,497
MD	26,933	44,345	44,627	115,905	65,572	47,487	61,264	174,323
MASS	7,417	4,990	4,785	17,192	9,081	5,444	6,375	20,900
MICH	68,514	155,322	108,637	332,473	236,458	163,382	243,465	643,305
MINN	106,080	265,798	48,163	420,041	617,739	302,235	406,796	1,326,770
MISC	30,351	66,816	76,527	173,694	157,265	73,540	86,183	316,988
MO	198,639	215,902	287,451	701,992	410,931	218,085	306,753	935,769
MONT	18,813	49,972	772	69,557	64,889	57,450	8,759	131,098
NEBR	57,149	152,767	13,279	223,195	826,275	172,629	67,734	1,066,638
NEV	925	820	209	1,954	4,305	2,407	250	6,962
N H	2,576	2,211	2,349	7,136	3,184	2,730	3,375	9,289
N J	19,099	17,570	18,129	54,798	24,983	18,556	22,818	66,357
N MEX	4,058	9,706	1,398	15,162	31,138	11,439	2,813	45,390
N Y	46,687	67,967	63,735	178,389	108,719	80,245	84,148	273,112
N C	85,693	138,020	209,577	433,290	236,894	142,062	229,318	608,274
N DAK	41,639	105,417	7,047	154,103	336,256	116,395	20,081	472,732
OHIO	105,129	253,617	151,501	510,247	424,706	307,640	434,870	1,167,216
OKLA	43,425	95,110	18,454	156,989	308,235	113,741	39,932	461,908
OREG	18,229	32,015	6,403	56,647	147,045	53,058	26,332	226,435
PA	45,564	68,912	54,646	169,122	86,077	71,233	75,002	232,312
R I	1,595	1,015	1,049	3,659	1,751	1,183	1,067	4,001
S C	28,043	54,942	107,260	190,245	91,498	60,533	121,212	273,243
S DAK	24,271	51,644	4,437	80,352	133,091	57,996	16,460	207,547
TENN	42,170	91,951	55,602	189,723	118,751	108,874	129,545	357,170
TEX	206,995	241,041	96,598	544,634	737,223	274,712	103,438	1,115,373
UTAH	3,078	2,780	374	6,232	32,770	10,666	625	44,061
VT	4,168	5,428	5,843	15,439	7,511	6,017	7,610	21,138
VA	43,424	62,489	84,989	190,902	93,928	64,033	93,322	251,283
WASH	22,610	49,958	5,327	77,895	234,684	76,129	27,400	338,213
W VA	3,721	7,418	3,771	14,910	15,549	9,318	7,522	32,389
WISC	48,686	119,344	60,126	228,156	228,361	156,443	342,499	727,303
WYO	1,105	2,114	45	3,264	24,822	6,224	708	31,754
P R	16,758	6,146	12,985	35,889	17,334	6,200	13,125	36,659
TOTAL	2,510,642	4,564,345	3,039,392	10,114,379	11,406,682	5,431,513	6,245,074	23,083,269

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, 1980 AND 1981 1/--CONTINUED

STATE	JULY 1, TO DECEMBER 31, 1980							
	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS			
	N	AVAILABLE P O 2 5	K O 2	TOTAL	N	AVAILABLE P O 2 5	K O 2	TOTAL
	NUTRIENT TONS							
ALA	12,379	24,599	26,217	63,195	40,032	26,358	27,314	93,704
ALAS	0	0	0	0	0	0	0	0
ARIZ	3,801	9,924	47	13,772	46,844	15,830	104	62,778
ARK	6,479	16,002	17,213	39,694	62,401	16,798	19,126	98,325
CALIF	47,939	53,269	26,021	127,229	293,508	108,616	43,182	445,306
COLO	598	219	190	1,007	51,902	10,649	2,347	64,898
CONN	599	325	355	1,279	1,201	810	738	2,749
DEL	3,874	6,431	9,303	19,608	8,292	7,000	13,232	28,524
D C	127	42	49	218	134	42	52	228
FLA	67,033	34,285	84,256	185,574	89,540	36,397	90,816	216,753
GA	18,259	30,545	47,357	96,161	63,313	34,240	50,879	148,432
HAW	7,695	6,149	10,037	23,881	9,540	7,465	11,263	28,268
IDAHO	8,063	17,113	198	25,374	68,928	23,218	1,920	94,066
ILL	95,987	250,557	77,389	423,933	349,046	316,766	501,967	1,167,779
IND	36,567	113,431	122,054	272,052	129,427	129,874	254,419	513,720
IOWA	92,355	238,270	56,268	386,893	463,789	274,223	400,289	1,138,301
KANS	40,074	109,074	6,023	155,171	341,110	116,334	27,198	484,642
KY	14,820	36,238	14,677	65,735	42,058	48,500	53,541	144,099
LA	14,685	23,109	25,787	63,581	40,937	23,981	28,582	93,500
MAINE	2,235	2,611	2,527	7,373	2,861	2,654	2,730	8,245
MD	7,123	12,945	10,035	30,103	16,836	15,440	19,771	52,047
MASS	2,931	3,697	2,523	9,151	3,269	3,802	2,715	9,786
MICH	17,688	45,613	36,313	99,614	61,433	48,413	101,452	211,298
MINN	49,836	129,764	19,604	199,204	305,035	149,160	243,725	697,920
MISS	9,584	22,224	25,515	57,323	64,421	23,380	28,699	116,500
MO	87,676	116,108	145,616	349,400	128,847	117,397	161,990	408,234
MONT	8,718	26,507	183	35,408	29,892	29,402	3,700	62,994
NEBR	17,534	45,459	2,575	65,568	228,561	51,954	17,311	297,826
NEV	207	272	59	538	1,022	653	72	1,747
N H	860	724	862	2,446	1,069	773	1,188	3,030
N J	4,616	3,925	4,327	12,868	6,047	4,324	4,889	15,260
N MEX	1,264	3,016	295	4,575	9,480	4,355	946	14,781
N Y	8,355	21,695	21,002	51,052	23,085	24,411	29,478	76,974
N C	18,819	30,207	34,450	83,476	36,150	30,598	37,253	104,001
N DAK	12,209	33,993	1,404	47,606	125,490	38,914	5,695	170,099
OHIO	36,458	95,621	61,962	194,041	106,104	121,833	212,076	440,013
OKLA	26,649	61,917	7,470	96,036	175,154	69,481	17,802	262,437
OREG	5,823	13,104	2,512	21,439	50,209	23,264	10,973	84,446
PA	11,091	23,095	14,625	48,811	21,080	24,595	20,258	65,933
R I	242	164	175	581	378	362	182	922
S C	6,326	11,457	20,169	37,952	21,326	12,448	21,805	55,579
S DAK	8,772	18,790	1,711	29,273	63,226	22,611	7,121	92,958
TENN	17,254	40,928	10,771	68,953	50,115	48,081	41,266	139,462
TEX	86,380	102,195	31,677	220,252	274,369	110,255	34,916	419,540
UTAH	174	627	6	807	1,983	2,429	36	4,448
VT	845	1,069	1,385	3,299	1,174	1,244	2,248	4,666
VA	8,897	16,221	18,847	43,965	22,637	16,840	20,921	60,398
WASH	5,637	10,445	2,956	19,038	97,286	18,721	8,245	124,252
W VA	1,066	2,114	1,173	4,353	3,060	3,045	3,161	9,266
WISC	18,311	47,459	16,586	82,356	75,553	67,008	173,414	315,975
WYO	1,137	2,800	32	3,969	17,084	6,223	835	24,142
P R	4,281	1,712	3,898	9,891	4,597	1,725	4,060	10,382
TOTAL	960,332	1,918,060	1,026,686	3,905,078	4,130,835	2,292,896	2,767,902	9,191,633

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, 1980 AND 1981 1/--CONTINUED

STATE	JANUARY 1, TO JUNE 30, 1981							
	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS			
	N	AVAILABLE P O 2 5	K O 2	TOTAL	N	AVAILABLE P O 2 5	K O 2	TOTAL
	NUTRIENT TONS							
ALA	36,194	63,155	70,437	169,786	120,752	69,052	71,820	261,624
ALAS	863	944	662	2,469	2,207	1,251	822	4,280
ARIZ	4,907	12,398	114	17,419	69,471	16,362	364	86,197
ARK	27,100	43,588	55,033	125,721	164,240	46,285	67,113	277,638
CALIF	45,723	51,873	29,387	126,983	361,296	92,028	38,430	491,754
COLO	5,118	10,378	1,043	16,539	106,558	40,316	7,959	154,833
CONN	4,629	2,956	3,182	10,767	6,444	4,635	4,594	15,673
DEL	4,684	7,813	9,783	22,280	16,443	8,610	15,545	40,598
D C	225	73	86	384	239	77	114	430
FLA	110,528	66,191	164,217	340,936	158,805	70,855	181,464	411,124
GA	58,488	95,622	159,700	313,810	237,415	111,668	177,026	526,109
HAW	6,755	4,789	8,581	20,125	9,367	6,164	10,700	26,231
IDAHO	9,547	21,707	184	31,438	106,521	29,958	5,385	141,864
ILL	70,985	164,286	57,351	292,622	641,517	206,691	314,865	1,163,073
IND	67,170	176,963	142,950	387,083	360,043	192,430	258,785	811,258
IOWA	79,591	185,639	57,025	322,255	700,997	206,559	237,092	1,144,648
KANS	26,886	68,744	4,762	100,392	286,982	74,228	19,995	381,205
KY	41,099	81,518	52,141	174,758	165,630	95,917	120,738	382,285
LA	44,056	69,326	77,360	190,742	92,922	70,945	82,550	246,417
MAINE	8,219	9,856	9,498	27,573	10,728	9,992	10,311	31,031
MD	24,558	38,060	39,585	102,203	49,935	39,384	51,626	140,945
MASS	5,452	3,162	3,546	12,160	5,788	3,368	3,791	12,947
MICH	51,992	114,806	73,168	239,966	184,773	123,565	155,714	464,052
MINN	60,573	149,331	33,978	243,882	354,259	165,196	217,728	737,183
MISS	22,902	53,114	60,969	136,985	132,750	57,769	70,729	261,248
MO	94,969	95,295	129,090	319,354	285,189	95,802	141,476	522,467
MONT	11,310	34,792	536	46,638	56,548	40,667	7,136	104,351
NEBR	47,530	128,410	12,276	188,216	556,935	139,010	54,111	750,056
NEV	638	852	149	1,639	3,209	1,521	180	4,910
N H	1,815	1,600	1,561	4,976	1,965	1,709	2,202	5,876
N J	15,068	13,058	13,315	41,461	20,602	13,535	16,165	50,302
N MEX	2,995	6,982	1,080	11,057	19,669	8,853	1,875	30,397
N Y	34,125	48,215	44,229	126,569	68,863	56,628	62,546	188,037
N C	73,737	109,225	180,190	363,152	223,027	110,828	197,088	530,943
N DAK	28,964	72,366	6,233	107,563	191,730	78,478	12,533	282,741
OHIO	72,041	162,973	91,629	326,643	345,662	181,505	219,728	746,895
OKLA	17,684	34,536	8,819	61,039	115,685	38,363	19,779	173,827
OREG	9,325	17,413	2,858	29,596	100,135	29,904	12,231	142,270
PA	35,757	52,858	38,772	127,387	71,893	55,652	50,100	177,645
R I	867	590	627	2,084	1,033	823	666	2,522
S C	24,735	44,732	86,666	156,133	88,155	46,351	96,878	231,384
S DAK	17,785	37,562	3,521	58,868	97,437	41,715	13,809	152,961
TENN	31,888	66,786	39,139	137,813	99,529	80,388	95,282	275,199
TEX	164,580	158,384	73,224	396,188	522,132	170,576	83,464	776,172
UTAH	462	1,315	27	1,804	7,529	5,296	63	12,888
VT	4,141	4,998	5,126	14,265	6,716	5,446	6,198	18,360
VA	38,686	51,108	67,459	157,253	79,315	52,175	72,740	204,230
WASH	19,194	32,593	10,684	62,471	162,907	47,450	32,097	242,454
W VA	3,001	4,949	3,305	11,255	15,091	5,860	5,809	26,760
WISC	24,166	56,795	34,161	115,122	137,811	71,016	141,072	349,899
WYO	491	1,174	42	1,707	22,259	5,542	64	27,865
P P	6,013	2,230	4,674	12,917	6,362	2,244	4,795	13,401
TOTAL	1,600,231	2,738,083	1,974,134	6,312,448	7,653,470	3,130,642	3,475,347	14,259,459

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, 1980 AND 1981 1/--CONTINUED

STATE	JULY 1, 1980 TO JUNE 30, 1981							
	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS			
	N	AVAILABLE P 2 O 5	K 2 O	TOTAL	N	AVAILABLE P 2 O 5	K 2 O	TOTAL
	NUTRIENT TONS							
ALA	48,573	87,754	96,654	232,991	160,784	95,410	99,134	355,328
ALAS	863	944	662	2,469	2,207	1,251	822	4,280
ARIZ	8,708	22,322	161	31,191	116,315	32,192	468	148,975
ARK	33,579	59,590	72,246	165,415	226,641	63,083	86,239	375,963
CALIF	93,662	105,142	55,408	254,212	654,804	200,644	81,612	937,060
COLO	5,716	10,597	1,233	17,546	158,460	50,965	10,306	219,731
CONN	5,228	3,281	3,537	12,046	7,645	5,445	5,332	18,422
DEL	8,558	14,244	19,086	41,888	24,735	15,610	28,777	69,122
D C	352	115	135	602	373	119	166	658
FLA	177,561	100,476	248,473	526,510	248,345	107,252	272,280	627,877
GA	76,747	126,167	207,057	409,971	300,728	145,908	227,905	674,541
HAW	14,450	10,938	18,618	44,006	18,907	13,629	21,963	54,499
IDAHO	17,610	38,820	382	56,812	175,449	53,176	7,305	235,930
ILL	165,972	414,843	134,740	716,555	990,563	523,457	816,832	2,330,852
IND	103,737	290,394	265,004	659,135	489,470	322,304	513,204	1,324,978
IOWA	171,946	423,909	113,293	709,148	1,164,786	480,782	637,381	2,282,949
KANS	66,960	177,818	10,765	255,563	628,092	190,562	47,193	865,847
KY	55,919	117,756	66,818	240,493	207,688	144,417	174,279	526,384
LA	58,741	92,435	103,147	254,323	133,859	94,926	111,132	339,917
MAINE	10,454	12,467	12,025	34,946	13,589	12,646	13,041	39,276
MD	31,681	51,005	49,620	132,306	66,771	54,824	71,397	192,992
MASS	8,383	6,859	6,069	21,311	9,057	7,170	6,506	22,733
MICH	69,680	160,419	109,481	339,580	246,206	171,978	257,166	675,350
MINN	110,409	279,095	53,582	443,086	659,294	314,356	461,453	1,435,103
MISS	32,486	75,338	86,484	194,308	197,171	81,149	99,428	377,748
MO	182,645	211,403	274,706	668,754	414,036	213,199	303,466	930,701
MONT	20,028	61,299	719	82,046	86,440	70,069	10,836	167,345
NEBR	65,064	173,869	14,851	253,784	785,496	190,964	71,422	1,047,882
NEV	845	1,124	208	2,177	4,231	2,174	252	6,657
N H	2,675	2,324	2,423	7,422	3,034	2,482	3,390	8,906
N J	19,704	16,983	17,642	54,329	26,649	17,859	21,054	65,562
N MEX	4,259	9,998	1,375	15,632	29,149	13,208	2,821	45,178
N Y	42,460	69,910	65,231	177,621	91,948	81,039	92,024	265,011
N C	92,556	139,432	214,640	446,628	259,177	141,426	234,341	634,944
N DAK	41,173	106,359	7,637	155,169	317,220	117,392	18,228	452,840
OHIO	108,499	258,594	153,591	520,684	451,766	303,338	431,804	1,186,908
OKLA	44,333	96,453	16,289	157,075	290,839	107,644	37,581	436,264
OREG	15,148	30,517	5,370	51,035	150,344	53,168	23,204	226,716
PA	46,848	75,953	53,397	176,198	92,973	80,247	70,358	243,578
R I	1,109	754	802	2,665	1,411	1,185	848	3,444
S C	31,061	56,189	106,835	194,085	109,481	58,799	118,683	286,963
S DAK	26,557	56,352	5,232	88,141	160,663	64,326	20,930	245,919
TENN	49,142	107,714	49,910	206,766	149,644	128,469	136,548	414,661
TEX	250,960	260,579	104,901	616,440	796,501	280,831	118,380	1,195,712
UTAH	636	1,942	33	2,611	9,512	7,725	99	17,336
VT	4,986	6,067	6,511	17,564	7,890	6,690	8,446	23,026
VA	47,583	67,329	86,306	201,218	101,952	69,015	93,661	264,628
WASH	24,831	43,038	13,640	81,509	260,193	66,171	40,342	366,706
W VA	4,067	7,063	4,478	15,608	18,151	8,905	8,970	36,026
WISC	42,477	104,254	50,747	197,478	213,364	138,024	314,486	665,874
WYO	1,428	3,974	74	5,676	39,343	11,765	899	52,007
P R	10,294	3,942	8,572	22,808	10,959	3,969	8,855	23,783
TOTAL	2,560,563	4,656,143	3,000,820	10,217,526	11,784,305	5,423,538	6,243,249	23,451,092

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, 1981

STATE	AMMONIA ANHYDROUS	AMMONIA AQUA	AMMONIUM NITRATE	AMMONIUM SULFATE	NITROGEN SOLUTIONS	SODIUM NITRATE	UREA	AMMONIUM NITRATE LIMESTONE	PHOSPHATE MATERIALS	NATURAL ORGANICS	OTHER NITROGEN MATERIALS
	NUTRIENT TONS										
ALA	13,854	425	65,787	32	28,677	178	1,893	0	7	44	1,314
ALAS	0	0	293	11	0	0	1,015	0	25	0	0
ARIZ	44,065	6,706	1,097	1,321	33,234	0	14,686	1,367	5,000	0	131
ARK	8,254	230	36,881	848	27,943	517	117,791	0	81	43	474
CALIF	181,256	80,347	33,280	60,752	111,873	1,270	39,022	498	32,045	891	19,908
COLO	60,498	0	14,592	6,246	32,089	1	3,323	4	18,089	14	17,888
CONN	0	0	72	0	82	10	1,908	0	196	115	34
DEL	760	0	797	639	13,340	7	419	0	0	16	199
D C	11	0	0	0	2	7	0	0	0	0	1
FLA	8,570	22	23,596	1,549	25,425	219	1,537	56	1,136	1,236	7,438
GA	23,527	4	50,141	1,634	138,885	573	1,015	45	3,889	392	3,876
HAW	0	499	0	252	2,018	0	1,646	0	0	0	42
IDAHO	51,356	2,110	26,547	22,902	23,491	0	19,283	0	3,662	0	8,488
ILL	577,141	0	23,443	1,362	168,138	0	50,412	0	13	162	2,920
IND	193,585	1,244	6,331	3,400	143,261	0	34,432	4	0	3	3,473
IOWA	734,868	560	22,194	1,957	162,412	0	70,454	0	395	0	0
KANS	370,779	162	70,236	1,147	85,624	0	32,340	0	476	22	346
KY	39,573	0	61,311	888	17,418	210	30,821	4	15	63	1,466
LA	14,732	0	25,192	10,160	16,304	62	8,181	69	16	0	402
MAINE	0	0	618	893	135	0	1,476	0	1	12	0
MD	4,371	0	2,504	760	23,656	127	3,565	0	0	25	82
MASS	0	0	19	5	30	1	277	0	1	195	146
MICH	89,136	58	6,394	2,108	37,018	31	37,265	0	1,225	516	2,775
MINN	386,681	85	16,858	2,176	55,568	0	86,543	0	757	33	184
MISS	51,783	0	65,413	0	18,432	972	28,063	0	16	0	6
MO	95,347	5	63,393	185	41,147	54	30,374	149	0	105	632
MONT	19,177	0	24,494	1,703	4,401	0	11,995	0	4,463	13	166
NEBR	533,273	993	33,203	2,918	128,988	0	19,424	0	971	25	637
NEV	431	0	112	633	967	0	202	0	423	38	580
N H	0	0	0	19	2	0	228	51	1	38	20
N J	258	16	1,086	101	2,247	103	2,391	0	25	230	488
N MEX	14,243	0	1,502	1,046	4,166	0	2,721	8	752	59	393
N Y	11,791	0	4,223	993	18,360	125	10,215	0	2,780	450	531
N C	11,099	1	15,171	264	130,634	5,641	1,362	14	1	48	2,386
N DAK	221,439	0	9,127	230	15,071	0	29,178	0	961	15	26
OHIO	141,207	533	5,762	4,482	125,670	7	64,470	0	4	304	828
OKLA	126,228	0	48,964	1,013	39,972	84	29,520	0	602	96	27
OREG	21,874	7,107	8,514	16,924	21,055	0	34,944	0	10,151	1	14,626
PA	3,554	29	1,842	1,460	18,923	0	17,874	13	64	1	2,365
R I	0	0	2	0	0	1	120	0	157	22	0
S C	3,668	42	9,072	460	62,177	989	532	0	235	71	1,176
S DAK	68,763	569	20,558	0	8,543	0	25,794	237	73	2	8,567
TENN	11,164	0	39,938	7	12,779	487	35,756	0	30	18	323
TEX	302,526	1,593	91,912	32,674	96,020	0	6,933	0	11,208	81	2,594
UTAH	2,053	0	3,652	1,513	712	0	613	0	333	0	0
VT	101	0	125	12	642	0	1,138	0	20	0	866
VA	298	1	4,633	395	44,234	508	2,498	79	0	138	1,585
WASH	71,552	41,360	17,584	7,307	48,071	0	27,818	0	9,970	383	11,317
W VA	8,527	0	864	66	2,410	31	2,045	0	1	10	130
WISC	75,165	1,761	9,789	1,986	47,573	0	33,480	0	422	25	686
WYO	11,469	12	17,512	156	6,645	0	745	5	626	0	545
P R	0	0	0	348	0	0	317	0	0	0	0
TOTAL	4,610,005	146,474	986,630	197,937	2,047,464	12,215	980,054	2,603	111,318	5,955	123,087

TABLE 11 -- AVAILABLE P_2O_5 CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED, YEAR ENDED JUNE 30, 1981

STATE	AMMONIUM PHOSPHATES 1/	PHOSPHORIC SOLUTIONS	PHOSPHATE ROCK 2/	SUPERPHOSPHATES 22% & UNDER	SUPERPHOSPHATES OVER 22%	NATURAL ORGANICS	OTHER PHOSPHATE MATERIALS
	NUTRIENT TONS						
ALA	9	0	0	1,610	3,806	68	2,741
ALAS	76	0	0	0	227	0	4
ARIZ	7,720	384	0	426	1,340	0	0
ARK	123	0	8	115	3,215	30	87
CALIF	36,653	7,015	81	7,010	14,698	831	29,216
COLO	38,134	0	0	0	2,218	12	4
CONN	587	0	0	14	1,485	70	8
DEL	0	0	0	0	1,355	11	0
D C	0	0	0	0	4	0	0
FLA	1,483	0	16	1,378	0	993	9,038
GA	14,011	231	0	1,489	2,056	247	2,807
HAW	0	0	10	0	1,988	0	719
IDAHO	5,242	846	0	7	8,252	0	9
ILL	32	0	0	393	108,037	144	8
IND	0	176	16	0	19,389	1	12,328
IOWA	992	961	65	484	54,371	0	0
KANS	709	0	23	101	11,892	19	0
KY	38	55	9	10	26,503	44	102
LA	20	0	2	8	2,429	0	37
MAINE	0	0	6	5	150	9	9
MD	0	0	0	31	3,768	16	79
MASS	0	0	0	13	76	195	27
MICH	3,087	0	2	17	7,430	480	546
MINN	1,672	2,103	51	17	31,354	21	49
MISS	20	0	0	34	3,699	0	2,064
MO	0	6	2	2	1,593	48	146
MONT	5,297	228	0	0	3,231	14	0
NEBR	1,213	0	0	564	14,952	10	356
NEV	614	3	0	220	173	40	0
N H	0	0	0	7	112	27	12
N J	46	0	9	216	357	169	87
N MEX	1,207	0	0	0	1,958	41	4
N Y	1,865	9	11	140	3,340	340	5,723
N C	0	0	0	928	730	35	2,037
N DAK	1,373	0	0	0	9,649	11	0
OHIO	0	2,037	5	108	42,307	223	116
OKLA	773	0	0	105	10,464	36	13
OREG	14,259	4,518	3	1,298	2,572	1	0
PA	0	0	12	22	3,759	1	511
R I	391	0	0	2	8	15	15
S C	504	0	0	472	1,254	48	767
S DAK	8	462	5	95	7,356	2	46
TENN	130	0	0	104	20,521	0	0
TEX	14,010	1,007	0	0	4,635	63	635
UTAH	806	122	0	0	4,855	0	0
VT	50	0	0	7	475	0	91
VA	0	12	2	413	1,129	93	519
WASH	10,244	202	2	24	3,645	260	8,756
W VA	2	0	0	10	1,818	10	2
WISC	1,348	628	16	3,872	20,633	4	7,283
WYO	2,235	4,088	0	55	1,261	0	152
P R	0	0	0	0	27	0	0
TOTAL	166,983	25,093	356	21,826	472,556	4,682	87,153

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_2O CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,

YEAR ENDED JUNE 30, 1981

STATE	POTASSIUM CHLORIDE	POTASSIUM MAGNESIUM SULFATE	POTASSIUM NITRATE	POTASSIUM-SODIUM NITRATE	POTASSIUM SULFATE	NATURAL ORGANICS	OTHER POTASSIUM MATERIALS
	NUTRIENT TONS						
ALA	899	365	0	710	0	44	462
ALAS	153	0	0	0	5	0	2
ARIZ	307	0	0	0	0	0	0
ARK	13,837	15	0	84	0	57	0
CALIF	21,756	330	0	2	2,594	1,004	518
COLO	8,251	805	0	0	0	17	0
CONN	1,648	0	1	0	14	123	9
DEL	9,670	0	0	0	0	21	0
D C	31	0	0	0	0	0	0
FLA	11,965	1,303	1,426	5,597	616	760	2,140
GA	13,705	3,641	87	1,050	45	189	2,131
HAW	577	20	88	0	455	0	2,205
IDAHO	6,048	875	0	0	0	0	0
ILL	679,954	391	0	0	0	12	1,735
IND	227,770	0	0	0	0	1	20,429
IOWA	524,041	47	0	0	0	0	0
KANS	36,395	11	0	0	0	2	0
KY	93,968	921	0	93	11,256	85	1,138
LA	7,540	0	0	5	0	0	440
MAINE	959	40	0	0	0	17	0
MD	21,557	110	13	66	0	31	0
MASS	272	7	0	0	2	104	52
MICH	146,148	1,166	3	2	0	202	164
MINN	405,546	1,601	0	6	25	3	690
MISS	12,938	0	0	6	0	0	0
MO	26,087	133	0	1	123	76	2,340
MONT	7,627	51	0	0	56	9	2,374
NEBR	41,808	7,507	0	0	239	8	7,009
NEV	19	0	0	0	0	25	0
N H	921	2	0	0	0	44	0
N J	3,054	31	0	7	4	232	84
N MEX	365	755	0	0	246	80	0
N Y	25,497	234	44	268	201	388	161
N C	16,271	199	63	1,617	363	14	1,174
N DAK	0	0	0	0	0	21	10,570
OHIO	276,745	297	45	39	220	282	585
OKLA	20,755	513	0	0	0	24	0
OREG	16,633	493	1	0	705	2	0
PA	16,684	158	15	7	38	2	57
R I	16	0	0	0	0	30	0
S C	8,695	363	81	411	266	85	1,947
S DAK	15,687	3	0	0	0	2	6
TENN	84,209	133	0	0	2,296	0	0
TEX	10,252	1,508	0	98	0	68	1,553
UTAH	66	0	0	0	0	0	0
VT	1,743	162	0	0	0	0	30
VA	6,188	85	58	436	59	173	356
WASH	23,014	315	0	0	1,654	481	1,238
W VA	3,933	10	0	0	0	10	539
WISC	261,095	2,019	0	14	403	8	0
WYO	687	22	0	0	116	0	0
P R	25	11	0	0	247	0	0
TOTAL	3,114,011	26,652	1,925	10,519	22,448	4,736	62,138

TABLE 13 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1980 1/

STATE		RANK 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL	13-13-13	8-24-24	5-15-30	5-10-15	8- 8- 8	0-20-20	3- 9-18	4-12-12	3-10-20	4-12-24	0-24-24	10-10-10	15-10-10	4-10-10	6-18-18
	TONS	147,694	60,160	45,298	37,902	32,519	28,880	26,578	15,337	14,647	11,723	11,181	7,382	7,103	6,846	6,216
ARIZ	ANAL	12-48- 0	10-34- 0	18-46- 0	18-18- 0	11-52- 0	11-53- 0	16- 6- 8	8-24- 0	15- 8- 4	11-44- 0	11-37- 0	16- 2- 0	34- 3- 7	10-10- 5	9-18- 9
	TONS	16,768	14,505	12,719	10,472	2,269	1,548	1,181	1,003	583	428	395	339	153	141	140
ARK	ANAL	13-13-13	0-24-24	0-17-34	5-15-30	10-20-10	0-26-26	0-18-36	8-24-24	4-12-24	12-24-12	0-15-30	10-20-20	12-12-12	6-24-24	20-10-10
	TONS	61,678	30,416	27,378	21,442	17,164	13,050	13,032	11,965	11,584	11,633	11,344	11,110	8,995	5,799	5,055
CALIF	ANAL	19- 9- 0	12-12-12	4-10-10	6-20-20	18-46- 0	16-16-16	20-10- 0	8-24- 6	21- 7-14	12-40- 0	15-15-15	15- 5-24	16- 6- 8	14- 7-14	10-34- 0
	TONS	54,359	35,615	26,822	25,678	25,013	21,788	17,872	16,467	16,159	15,629	14,125	13,926	11,490	10,992	9,439
COLO	ANAL	10-34- 0	10- 0- 1	22- 3- 3	20-10- 5	10- 5- 5	11-52- 0	0-18-12	11-44- 0	7-21- 7	8-20- 6	20-20-10	30-10- 0	7-22- 5	4-10-10	22- 4- 4
	TONS	15,924	10,163	3,464	2,516	2,491	2,068	1,497	1,467	1,159	1,020	952	951	944	920	892
CONN	ANAL	10-10-10	27- 3- 3	10- 6- 4	5-10-10	6- 3- 6	12- 7-10	15-10-10	15- 8-12	12-15-15	6-10-10	16- 8-12	25- 3- 3	24- 4- 8	5-10- 5	15-15-15
	TONS	10,117	2,560	1,955	1,930	1,411	1,359	1,330	1,058	1,021	1,017	902	848	671	661	634
DEL	ANAL	10-10-10	8-16-17	18-46- 0	10-20-20	3-15-30	5-15-30	2- 6-12	3- 9-18	10-10-30	12- 8-20	5-10-30	15-15-15	13-10-22	10-34- 0	8-10-10
	TONS	8,928	7,969	6,353	5,252	5,131	4,344	3,282	3,051	2,919	2,507	1,999	1,701	1,660	1,539	1,522
D C	ANAL	21- 6- 7	10- 6- 4	10-10-10	23- 7- 7	16- 8- 8										
	TONS	7,113	1,050	1,000	450	100										
FLA	ANAL	6- 6- 6	12- 0-12	16- 4- 8	16- 0-16	10-10-10	12- 2-12	6- 8- 8	5-10-15	8- 4-10	20- 5-10	14- 0-14	13-13-13	16- 8- 8	0-10-40	8- 8- 8
	TONS	81,061	49,730	47,015	45,548	44,710	44,560	41,733	35,360	33,863	27,133	25,949	23,534	21,927	21,554	20,671
GA	ANAL	5-10-15	3- 9-18	4-12-24	0-10-20	4- 8-12	10-10-10	0- 9-27	6- 8-16	3- 9- 9	0-14-14	13-13-13	7-14-21	10-20-30	8-16-24	8- 8- 8
	TONS	347,823	165,231	72,133	67,248	40,945	34,889	23,689	18,053	17,367	14,575	14,175	14,080	13,721	11,204	10,280
IDAHO	ANAL	18-46- 0	27-13- 0	10-33- 0	16-16-16	11-55- 0										
	TONS	54,437	11,531	7,517	4,924	2,287										
ILL	ANAL	18-46- 0	3-10-30	6-24-24	3- 9-12	5-20-35	5-17-21	10-34- 0	4-13-26	4-18- 6	9-23-30	4-16-20	4-10-10	8-32-16	4-12-24	12-12-12
	TONS	615,778	78,918	62,336	54,851	42,900	39,491	28,811	28,000	23,233	21,849	18,279	15,909	14,326	13,942	12,774
IND	ANAL	6-24-24	10-34- 0	18-46- 0	3-10-30	7-22- 5	0-15-40	4-10-10	9-23-30	19-19-19	0-14-40	12-12-12	8-32-16	7-23- 5	6-26-26	0-23-30
	TONS	140,819	115,314	93,255	85,344	55,695	52,185	45,226	35,094	32,172	21,123	19,820	19,772	15,880	11,986	11,603
IOWA	ANAL	18-46- 0	3-10-30	10-34- 0	6-24-24	20-10-10	8-32-16	11-54- 0	4-13-26	7-21- 7	3- 9-27	5-17-21	7-23- 5	6-18-18	4-16-22	3- 9-32
	TONS	638,733	49,314	40,668	36,229	30,263	24,817	20,005	19,255	18,885	16,892	16,847	13,843	13,656	13,474	13,143
KANS	ANAL	18-46- 0	10-34- 0	8-32-16	11-44- 0	11-54- 0	6-24-24	11-53- 0	12-24-12	16-20- 6	4-10-10	15-40- 5	11-52- 0	11-33- 0	12-12-12	10-30- 0
	TONS	244,873	70,764	27,749	23,850	12,953	12,112	9,194	5,873	5,461	5,024	4,924	4,356	4,240	4,048	3,948
KY	ANAL	18-46- 0	5-10-15	10-10-10	6-24-24	5-20-20	15-15-15	8-24-24	7-28-28	3- 9-27	0-23-30	9-23-30	6-12-18	0-26-26	19-19-19	6-12-12
	TONS	101,787	96,971	76,496	33,554	24,081	15,198	12,781	8,137	7,524	7,206	6,405	5,977	5,468	5,465	5,188
LA	ANAL	13-13-13	12- 6- 6	0-24-24	14- 8- 8	0-18-36	14- 7- 7	18-18- 9	8-24-24	10-10-10	0-26-26	15-15-15	0-20-30	0-17-34	12- 6-10	18-18-18
	TONS	51,193	28,876	26,333	25,804	24,743	23,234	22,754	22,405	20,415	19,987	18,769	18,494	18,141	16,148	15,146
MAINE	ANAL	10-15-15	14-14-14	12-12-12	15-15-15	12-15-15	10-20-10	5-10-10	5-20-20	18-46- 0	8-12-16	5-10- 5	10-20-20	8-12-12	6- 0-16	20-10-15
	TONS	26,722	16,973	9,933	7,512	5,146	2,486	2,366	1,820	1,586	1,569	975	619	589	512	458
MD	ANAL	10-10-10	10-20-20	18-46- 0	4- 8-12	5-10-10	5-15-30	12- 6-20	9-13-13	5-10-30	10- 6- 4	0-15-30	8-16-24	5-10- 5	6-24-24	2- 6-12
	TONS	41,211	27,207	18,838	10,748	10,168	10,076	10,053	8,074	7,801	6,587	5,864	5,626	5,262	5,150	5,078
MASS	ANAL	10-10-10	27- 3- 3	5-10-10	10- 6- 4	15-10-10	15- 8-12	15-15-15	5-10- 5	10-20-10	25- 3- 3	18-46- 0	24- 4-12	21- 6-11	10-20-20	12- 7-10
	TONS	6,882	3,222	3,076	3,006	2,217	2,213	2,023	1,992	1,620	1,291	1,212	1,180	1,158	1,105	912
MICH	ANAL	6-24-24	18-46- 0	12-12-12	8-32-16	15-15-15	8-25- 3	16-16-16	10-34- 0	19-19-19	14-14-14	10-20-10	13-13-13	7-28-28	9-18- 9	10-20-20
	TONS	157,290	48,598	37,763	34,608	20,861	20,721	18,988	17,158	15,510	12,828	11,627	8,019	7,181	6,903	6,835
MINN	ANAL	18-46- 0	10-34- 0	7-21- 7	9-23-30	9-18- 9	6-24-24	11-54- 0	3-10-30	7-23- 5	8-32-16	14-36- 6	4-13-26	8-10-30	10-20-20	4-10-10
	TONS	404,853	41,780	22,129	18,662	17,846	14,656	13,524	12,627	11,742	7,275	6,386	5,856	5,088	5,075	4,674
MISS	ANAL	13-13-13	8-24-24	5-15-30	0-17-34	0-24-24	18-46- 0	0-20-20	0-15-30	8- 8- 8	0-10-30	30- 9-18	3- 9-18	3-18-18	5-20-20	15-10-10
	TONS	133,958	44,752	42,902	41,872	31,876	14,461	10,172	8,089	7,162	4,190	3,668	3,619	3,058	2,823	2,738
MO	ANAL	17-17-17	6-24-24	19-19-19	23-11-11	12-12-12	27-13-13	19- 9-19	24-16-16	9-23-30	22- 7-15	0-17-35	20- 6-20	13-13-13	0-25-25	6-25-25
	TONS	91,885	68,796	57,966	56,566	49,569	40,066	30,544	28,231	25,694	25,386	20,373	19,453	19,204	18,093	16,965

MONT	ANAL	18-46- 0	11-55- 0	18- 9- 5	20-20- 7	10-33- 0	10-34- 0	30-10- 0	16-16-16	28-14- 0	27-12- 0	29-14- 0	23-23- 0	22- 3- 3	18-43- 1	25-25- 0
	TONS	61,027	30,896	4,382	4,381	3,515	3,513	1,502	1,377	1,135	1,134	1,134	943	380	299	299
NEBR	ANAL	18-46- 0	10-34- 0	7-21- 7	8-32- 8	11-54- 0	8-32-14	5- 5- 5	11-52- 0	8-32-16	8-20- 5	4-10-10	6-18- 6	9-18- 9	8-20- 6	11-37- 0
	TONS	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	3,588
NEV	ANAL	19- 9- 0	22- 4- 4	18-46- 0	10-34- 0	16- 8- 8	10-10- 5	11-55- 0	30-10-10	25- 3- 7	29-14- 0	15- 5- 7	27-12- 0			
	TONS	601	425	389	354	350	254	246	233	224	199	173	131			
N H	ANAL	15- 8-12	10-10-10	5-10-10	13-11-12	10-20-20	15-15-15	5-10- 5	5-20-20	10- 6- 4	10-15-15	8-16-16	8-12-12			
	TONS	3,183	2,147	1,104	818	710	657	463	415	405	322	242	119			
N J	ANAL	10-10-10	5-10-10	10- 6- 4	10-20-20	12-11-11	16- 8- 8	15-15-15	27- 3- 3	5-10- 5	3- 9-12	18-46- 0	14- 7- 7	26- 3- 3	25- 3- 3	6-12-36
	TONS	36,906	12,393	10,593	8,547	7,681	6,016	5,822	5,227	4,283	4,227	3,166	2,317	2,177	2,028	1,710
N MEX	ANAL	18-46- 0	10-34- 0	13-13-13	4-10-10	11-53- 0	11-44- 0	11-55- 2	11-37- 0	11-54- 0	8- 9- 8	11-52- 0	10-10- 5	16- 8- 8	8-24- 0	11-55- 0
	TONS	5,769	3,776	3,560	1,411	1,386	954	855	734	690	678	570	500	402	364	363
N Y	ANAL	15-15-15	10-20-20	6-24-24	10-20-10	10-10-10	8-16- 8	10- 6- 4	5-10- 5	14-14-14	13-13-13	0-10-40	15- 8-12	7-21- 7	6-12- 6	5-10-10
	TONS	73,584	64,828	28,070	22,988	17,703	16,467	14,682	9,412	9,290	9,179	9,161	6,708	6,047	5,918	5,698
N C	ANAL	10-10-10	3- 9- 9	5-10-30	5-10-10	6-12-18	4- 8-12	3- 9-18	2- 6-12	10-20-20	8- 8- 8	5-15-30	10-10-20	4- 5- 3	18-46- 9	8-24-24
	TONS	148,853	113,008	112,186	75,748	68,171	54,516	52,051	50,600	48,390	46,241	22,550	22,060	20,967	19,892	17,444
N DAK	ANAL	18-46- 0	10-34- 0	11-55- 0	15-38-10	8-32-16	12-36-12	9-18- 9	25-25- 0	4-10-10	11-51- 0	11-52- 0	16-40- 3	11-54- 0	15-30-15	14-34-12
	TONS	151,707	35,170	7,544	6,094	5,232	3,478	3,250	2,711	2,466	2,250	1,977	1,945	1,914	1,626	1,611
OHIO	ANAL	18-46- 0	6-24-24	15-15-15	10-34- 0	12-12-12	8-32-16	8-25- 3	6-26-26	4-10-10	3-10-30	0-14-42	9-23-30	6-18- 6	19-19-19	7-22- 5
	TONS	191,091	158,430	48,993	30,663	28,844	27,777	23,090	21,267	18,506	18,482	18,465	17,738	17,629	14,691	14,567
OKLA	ANAL	18-46- 0	10-20-10	12-12-12	16-20- 6	15-40- 5	6-24-24	10-34- 0	14-14-14	8-32- 4	13-13-13	20-10-10	16-16- 4	16- 6-12	10-20-30	12-24-12
	TONS	119,539	47,355	15,413	12,386	11,573	11,539	11,358	7,248	5,970	5,943	5,448	4,399	3,183	2,970	2,919
ORE	ANAL	16-16-16	18-46- 0	11-51- 0	10-34- 0	11-52- 0	26-11- 5	27- 8- 4	27-12- 0	11-55- 0	40- 0- 6	10-20-20	15-15-15	14-14-14	11-16-16	22- 3- 3
	TONS	15,938	13,342	12,052	11,502	10,518	6,098	6,034	5,566	4,237	2,982	2,749	2,407	1,542	1,451	923
PA	ANAL	10-20-20	10-10-10	10-20-10	5-10-10	15-15-15	20-10-10	18-46- 0	8-24- 8	16- 8- 8	8-32-16	6-24-24	7-27-11	10- 6- 4	7-21- 6	0-20-20
	TONS	69,597	52,496	22,679	21,136	18,572	14,466	12,754	12,023	11,150	7,230	6,536	6,356	5,510	5,411	4,769
R I	ANAL	10-10-10	10- 6- 4	5-10-10	15-15-15	27- 3- 3	10-15-15	5-10- 5	8-16-16	15- 8-12	24- 4-12	26- 3- 3	10-20-20	25- 3- 3	15-10-10	6-10- 4
	TONS	1,416	1,164	933	465	440	386	352	304	272	261	248	144	130	108	103
S C	ANAL	10-10-10	3- 9-18	0- 9-27	5-10-30	3- 9- 9	5-10-10	0-10-30	2- 6-12	0-10-20	4- 8-12	5-15-30	6-12-18	5-10-15	17-17-17	0-15-30
	TONS	69,205	64,204	47,337	33,839	28,483	27,772	23,884	13,539	13,140	11,812	11,043	10,495	10,191	9,646	9,383
S DAK	ANAL	18-46- 0	10-34- 0	7-21- 7	20-10-10	23-23-11	20-10- 0	25-25- 0	10-20-20	29-14- 0	20-20-10	8-32-16	9-18- 9	11-54- 0	13-34-10	7-24- 6
	TONS	78,731	10,946	8,133	3,478	3,459	2,875	2,771	2,345	2,021	1,671	1,476	1,458	1,425	1,339	1,253
TENN	ANAL	18-46- 0	6-12-12	8-24-24	15-15-15	10-10-10	5-10-15	13-13-13	5-20-20	10-20-20	12-24-24	6-24-24	3- 9-27	0-20-20	9-23-30	12-12-12
	TONS	77,791	49,381	34,123	23,126	22,044	22,008	18,463	17,792	10,129	8,760	8,447	8,160	6,626	3,277	3,265
TEX	ANAL	16-17-10	10-34- 0	13-13-13	12-12-12	16- 6-12	18-46- 0	12-24-12	10-20-10	11-44- 0	24- 8- 0	18-12- 2	14-13- 6	18- 9- 3	17-17-17	18-18- 8
	TONS	87,906	80,143	71,678	62,986	62,079	57,187	54,486	29,820	29,226	26,315	26,257	24,884	23,745	23,484	20,823
UTAH	ANAL	30-10- 0	18-46- 0	22- 3- 3	10-34- 0	29-14- 0	5-10-10	30- 3- 0	16-16- 8	16-16-16	24-20- 0	27-12- 0	6- 6- 2	21- 3- 3	18-24- 6	0-23-10
	TONS	3,139	2,880	1,296	1,046	860	640	550	534	466	336	330	289	235	164	161
VT	ANAL	15- 8-12	15-15-15	10-20-10	10-10-10	5-20-20	5-10-10	10-20-20	8-12-12	0-10-40	8-16-16	18-46- 0	16-10-20	3-10-20	10-34- 0	11-54- 0
	TONS	6,972	5,273	2,708	2,604	1,752	1,296	1,248	1,227	1,133	1,030	911	711	295	218	130
VA	ANAL	10-10-10	5-10-10	2- 6-12	3- 9-18	3- 9- 9	10-20-20	8- 8- 8	5-10-30	6-12-18	5-10-15	19-19-19	12-24-24	6- 8- 6	5-10- 5	6-18-36
	TONS	67,140	39,562	39,158	24,651	19,036	17,484	13,748	12,946	10,315	10,212	9,745	8,398	8,106	7,183	7,094
WASH	ANAL	18-46- 0	10-34- 0	16-16-16	11-55- 0	27-12- 0	10-20-20	25-10- 0	22- 3- 3	11-52- 0	5-10-10	10- 6- 4	21- 7-14	21- 3- 5	12- 4- 8	6-10- 8
	TONS	34,373	17,582	12,225	5,608	3,720	3,696	1,322	1,216	928	927	671	355	345	323	298
W VA	ANAL	18-46- 0	5-10-10	10-20-20	10-10-10	11-21-11	12-12-12	10-20-10	6-24-24	5-10-15	15-15-15	15-30-15	0-25-25	18-18-18	27- 3- 3	6-12-12
	TONS	6,774	6,383	5,460	5,073	3,740	1,844	1,247	1,123	909	581	278	263	238	207	174
WIS	ANAL	18-46- 0	6-24-24	9-23-30	3-10-30	8-32-16	9-18- 9	7-23- 5	0-14-42	1- 1- 1	10-20-20	10-10-10	14-14-14	7-28-28	7-21- 7	6- 2- 0
	TONS	141,355	57,255	26,199	11,523	11,068	7,584	7,480	7,449	6,788	5,495	5,154	4,655	3,888	3,876	3,646
WYO	ANAL	18-46- 0	30-10- 0	10-34- 0	22- 3- 3	1- 1- 1										
	TONS	3,841	597	471	309	178										

1/ EXCLUDES ALASKA, HAWAII, PUERTO RICO, CONFIDENTIAL ANALYSES AND ANALYSES WITH LESS THAN 100 TONS.

TABLE 14 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE:
YEAR ENDED JUNE 30: 1981 1/

STATE		RANK 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL	13-13-13	8-24-24	5-10-15	8- 8- 8	0-20-20	3- 9-18	4-12-12	0-24-24	3-10-20	4-12-24	5-15-30	0-15-30	15-10-10	5-20-20	10-10-10
	TONS	153,510	51,999	39,147	35,753	32,631	23,666	17,680	12,680	12,426	11,351	8,325	8,052	7,684	6,664	6,660
ARIZ	ANAL	10-34- 0	18-18- 0	12-48- 0	10-46- 0	11-53- 0	26-14- 0	11-44- 0	11-52- 0	16- 8- 4	21- 7-14	12-40- 0	10-10-10	15- 8- 4	17-17-17	
	TONS	14,932	13,867	12,545	10,331	9,285	975	822	743	685	443	290	168	163	160	
ARK	ANAL	13-13-13	0-24-24	0-17-34	5-15-30	10-20-10	8-24-24	0-26-26	0-18-36	10-20-20	4-12-24	0-15-30	18-46- 0	12-24-12	20-10-10	2- 6-12
	TONS	65,444	23,992	20,690	19,851	17,875	14,189	11,852	10,517	10,432	9,494	9,442	8,312	6,158	5,936	5,544
CALIF	ANAL	19- 9- 0	12-12-12	20-10- 0	16-16-16	12- 6-18	4-10-10	18-46- 0	6-20-20	10-34- 0	8-24- 6	21- 7-14	11-53- 0	1- 2- 2	8-24- 0	15- 5-24
	TONS	37,908	31,178	25,361	23,498	21,706	21,531	20,909	20,679	18,604	18,030	17,492	16,606	15,011	14,411	14,088
COLO	ANAL	10-34- 0	22- 3- 3	11-52- 0	4-10-10	16-16-16	16-20- 6	18-46- 0	30-10- 0	20-10- 5	35-17- 0	11-44- 0	20-10-10	10-20-20	8-20- 6	7-21- 7
	TONS	19,028	3,371	2,745	1,393	1,152	956	944	812	800	692	635	603	499	473	447
CONN 2/	ANAL															
	TONS															
DEL	ANAL	10-10-10	3-15-30	10-20-20	18-46- 0	10-20-30	13-10-22	10-10-30	3- 9-18	15-15-15	12- 8-20	5-10-10	5-10-30	5-15-30	15-10-10	0-15-30
	TONS	10,589	9,775	7,207	6,041	5,988	5,684	4,897	3,846	3,025	2,568	2,274	2,157	2,044	1,469	1,317
D C	ANAL															
	TONS															
FLA	ANAL	6- 6- 6	6- 8- 8	12- 0-12	16- 4- 8	10-10-10	16- 0-16	20- 5-10	5-10-15	12- 2-12	13-13-13	3- 9-18	14- 0-14	16- 8- 8	8- 8- 8	0- 9-36
	TONS	78,418	51,351	45,112	44,823	44,564	42,080	35,517	33,080	29,452	26,075	23,715	22,362	20,766	20,068	19,290
GA	ANAL	5-10-15	3- 9-18	4-12-24	0-10-20	10-10-10	4- 8-12	0- 9-27	13-13-13	3- 9- 9	0-14-14	14- 7-14	6- 8-16	4- 8-24	10-20-30	8- 8- 8
	TONS	332,974	133,325	63,901	48,862	41,114	34,644	19,694	19,265	16,449	14,272	13,758	13,352	13,041	12,347	11,142
IDAHO	ANAL	18-46- 0	10-33- 0	22-22- 0	27-13- 0	16-16-16	11-55- 0	30- 0- 1								
	TONS	62,078	7,682	3,774	3,731	1,392	648	189								
ILL	ANAL	18-46- 0	3-10-30	3- 9-12	5-20-35	6-24-24	5-17-21	10-34- 0	4-13-26	6-18- 6	4-16-20	9-23-30	4-12-24	4-10-10	12-12-12	3-10-10
	TONS	635,713	74,589	47,057	32,921	41,550	40,120	26,516	26,443	19,683	15,806	15,771	14,632	10,511	10,408	10,158
IND	ANAL	6-24-24	10-34- 0	18-46- 0	3-10-30	6-15-40	0-15-40	7-22- 5	4-10-10	9-23-30	19-19-19	0-14-40	8-32-16	12-12-12	6-26-26	7-23- 5
	TONS	125,917	116,469	97,819	76,710	60,123	49,613	45,804	41,559	35,800	20,535	17,169	15,525	14,649	14,394	13,819
IOWA	ANAL	18-46- 0	3-10-30	10-34- 0	20-10-10	6-24-24	4-13-26	10-20-20	7-21- 7	8-32-16	9-23-30	3- 9-27	4-16-22	11-54- 0	5-17-21	5-13-21
	TONS	647,374	63,739	48,785	34,566	27,374	25,986	19,529	19,109	18,863	17,959	16,859	15,440	15,402	14,447	13,391
KANS	ANAL	18-46- 0	10-34- 0	8-32-16	10-30- 0	11-54- 0	11-53- 0	6-24-24	11-44- 0	11-52- 0	12- 6- 6	4-10-10	12-12-12	16-20- 6	10-10-10	15-40- 5
	TONS	245,460	53,961	16,919	16,542	15,280	11,886	9,463	8,152	7,149	5,752	5,412	4,932	4,719	4,009	3,675
KY	ANAL	18-46- 0	5-10-15	10-10-10	6-24-24	5-20-20	15-15-15	7-28-28	8-24-24	19-19-19	6-12-18	0-23-30	9-23-30	6-10-15	6-12-12	0-26-26
	TONS	127,071	105,694	78,935	28,951	21,825	19,661	8,297	7,665	6,847	6,520	6,113	5,439	5,432	4,781	4,656
LA	ANAL	13-13-13	12- 6- 6	0-24-24	14- 8- 8	0-18-36	14- 7- 7	18-18- 9	8-24-24	10-10-10	0-26-26	15-15-15	0-20-30	0-17-34	12- 6-10	18-18-18
	TONS	51,193	28,876	26,333	25,804	24,743	23,234	22,754	22,405	20,415	19,987	18,769	18,494	18,141	16,148	15,146
MAINE	ANAL	14-14-14	10-10-10	5-10-10	10-20-10	8-12-16	5-10- 5	18-46- 0	10-20-20	10- 6- 4	6- 0-16	8-12-12	8-32-16	14-14- 7		
	TONS	19,596	3,301	2,345	2,288	1,840	1,098	1,001	589	554	474	432	245	208		
MD	ANAL	10-10-10	10-20-20	18-46- 0	12- 8-20	5-10-10	13-10-22	10- 6- 4	5-15-30	5-10-30	26- 3- 3	15-10-10	5-10- 5	4- 8-12	8-16-24	0-10-30
	TONS	49,365	32,425	26,780	10,718	10,258	9,692	8,240	7,591	7,471	7,269	6,363	6,187	6,008	5,489	5,163
MASS	ANAL	12-24-12	10-10-10	27- 3- 3	5-10- 5	26- 3- 3	10-20-20	8-10-10	24- 4- 8	6- 3- 6	26- 4- 6	25- 3- 3	10-15-15	25- 3- 5	24-12-18	12- 4- 8
	TONS	11,364	5,811	3,484	2,149	1,795	836	806	669	604	588	521	299	298	270	198
MICH	ANAL	6-24-24	18-46- 0	12-12-12	8-32-16	10-34- 0	19-19-19	16-16-16	10-20-10	15-15-15	8-25- 3	14-14-14	7-22- 4	10-20-20	6-26-26	10-10-10
	TONS	153,304	58,077	31,431	30,801	18,501	17,909	17,425	16,617	14,450	13,897	12,272	11,317	10,819	9,061	9,024
MINN	ANAL	18-46- 0	10-34- 0	9-23-30	7-21- 7	3-10-30	11-54- 0	7-23- 5	9-18- 9	11-53- 0	11-55- 0	6-24-24	4-13-26	8-32-16	20-10-10	10-20-20
	TONS	405,902	45,057	20,383	19,943	19,668	13,946	13,331	12,978	11,219	10,481	8,001	6,934	5,854	5,842	5,804
MISS	ANAL	13-13-13	0-17-34	8-24-24	5-15-30	0-24-24	0-20-20	18-46- 0	3- 9-18	6-15-30	0-10-30	8- 8- 8	5-20-20	15-10-10	3-18-18	10-20-10
	TONS	139,572	44,643	42,846	42,398	30,684	22,460	19,393	18,537	12,084	10,659	8,689	4,878	3,324	2,888	1,911
MO	ANAL	6-24-24	12-12-12	17-17-17	19-19-19	27-13-13	0-18-36	20-10-10	13-13-13	0-26-26	9-23-30	18-46- 0	24-16-16	0-23-30	23-11-11	24-12-12
	TONS	48,309	45,808	38,710	35,711	28,542	26,128	24,387	23,852	17,653	17,004	14,968	14,875	12,084	11,387	10,912

MONT	ANAL	18-46- 0	11-55- 0	10-34- 0	10-33- 0	20-20- 7	18- 9- 5	30-10- 0	23-23- 0	14-16-16	15-10- 7	9-18- 9	20-10-10	18-15-10	24-17- 0	22- 3- 3
	TONS	62,122	51,085	7,162	1,994	1,359	1,358	1,235	1,104	1,096	800	549	414	400	375	369
NEBR	ANAL	16-46- 0	10-34- 0	7-21- 7	8-32- 8	8-32-14	11-52- 0	11-54- 0	11-53- 0	10-30- 0	11-55- 0	8-20- 5	16-20- 6	9-18- 9	8-20- 6	4-10-10
	TONS	169,469	91,375	38,201	20,222	11,035	9,305	8,497	7,116	6,703	5,622	5,454	5,434	5,219	4,714	3,600
NEV	ANAL	19- 9- 0	10-34- 0	11-52- 0	1- 2- 0	6-20-20	22- 3- 3	22- 4- 4	16- 8- 8	18-46- 0	12-12-12	23- 3- 7	10- 6- 4	10- 8- 4		
	TONS	912	840	691	489	280	275	269	225	208	171	135	132	106		
N H	ANAL	15- 8-12	10-10-10	5-10-10	10-20-10	15-15-15	10-20-20	27- 3- 3	10- 3- 6	15-10-10	5-10- 5	18-46- 0	5-20-20	10- 6- 4	24-12-18	20-10-15
	TONS	3,041	2,260	1,237	1,173	780	761	611	583	561	553	488	459	414	328	328
N J	ANAL	10-10-10	5-10-10	10- 6- 4	10-20-20	16- 8- 8	15-15-15	27- 3- 3	12-11-11	26- 3- 3	5-10- 5	14- 7- 7	18-46- 0	14-14-14	3- 9-12	9- 9- 9
	TONS	36,940	10,451	10,095	8,777	6,538	5,369	5,304	4,360	4,018	3,835	3,406	3,029	2,890	2,463	1,695
N MEX	ANAL	18-46- 0	10-10-10	11-53- 0	10-34- 0	14-31- 3	1- 2- 1	11-52- 0	18-10- 3	1- 2- 2	6-10-10	11-22-11	11-54- 0	4-10-10	27- 3- 3	13-13-13
	TONS	6,808	4,973	3,912	3,593	1,164	1,140	1,017	991	864	833	739	713	616	487	470
N Y	ANAL	15-15-15	10-20-20	6-24-24	10-20-10	8-16- 8	10-10-10	0-20-20	0-15-15	10- 6- 4	14-14-14	0-10-40	5-10- 5	0-24-24	7-21- 7	6-12- 6
	TONS	63,927	50,740	21,538	19,094	16,078	15,808	15,743	15,193	13,279	11,156	9,500	8,646	5,511	4,938	4,753
N C	ANAL	10-10-10	5-10-30	3- 9- 9	5-10-10	10-20-20	8- 8- 8	6-12-18	2- 6-12	4- 8-12	3- 9-18	6- 6-18	10-10-20	8-24-24	17-17-17	18-46- 9
	TONS	187,209	107,084	98,148	73,959	55,179	47,763	45,170	45,050	42,256	41,676	30,292	23,248	21,594	21,200	18,760
N DAK	ANAL	18-46- 0	10-34- 0	11-55- 0	15-38-10	8-32-16	15-28-13	12-36-12	9-18- 9	11-52- 0	25-25- 0	11-51- 0	4-10-10	14-34-12	11-54- 0	15-30-15
	TONS	145,483	36,998	9,993	6,689	5,329	5,163	3,577	3,448	3,227	2,940	2,678	2,281	1,868	1,660	1,732
OHIO	ANAL	18-46- 0	6-24-24	15-15-15	10-34- 0	8-32-16	12-12-12	6-26-26	8-25- 3	3-10-30	9-23-30	19-19-19	0-14-42	4-10-10	6-18- 6	7-22- 5
	TONS	201,791	153,899	38,904	35,125	29,476	24,755	21,542	21,186	21,146	20,153	17,751	17,228	15,451	14,838	14,229
OKLA	ANAL	18-46- 0	10-20-10	13-13-13	6-24-24	14-14-14	10-34- 0	16-20- 6	12-12-12	20-10-10	6- 2- 1	5-10-10	15-10- 5	12-54- 0	16- 6-12	15-40- 5
	TONS	140,163	40,661	15,095	9,754	8,168	7,687	7,530	6,539	6,241	5,783	4,890	4,222	3,966	3,597	3,393
ORE	ANAL	16-16-16	18-46- 0	10-34- 0	11-52- 0	11-55- 0	27-12- 0	11-51- 0	27- 8- 4	11-53- 0	12-12-12	14-14-14	12-15-15	10-20-20	26-10- 6	15-25-12
	TONS	15,527	15,104	9,731	8,069	7,638	5,794	5,369	4,800	2,555	2,240	2,216	1,829	1,728	1,363	1,231
PA	ANAL	10-20-20	10-10-10	18-46- 0	10-20-10	15-15-15	5-10-10	20-10-10	8-24- 8	16- 8- 8	8-32-16	7-27-11	6-24-24	7-21- 6	10- 6- 4	11-53- 0
	TONS	66,310	53,293	23,083	22,055	19,833	19,057	12,965	9,455	9,101	6,718	6,440	5,757	5,107	4,960	4,850
R I	ANAL	10-10-10	5-10-10	10- 6- 4	5-10- 5	10-15-15	15- 8-12	12- 2- 8	10-20-20							
	TONS	1,490	605	730	352	342	281	187	148							
S C	ANAL	10-10-10	3- 9-18	0- 9-27	0-10-30	5-10-30	5-10-10	3- 9- 9	17-17-17	0-10-20	6- 6-18	5-10-15	4- 8-12	2- 6-12	5-15-30	6-12-18
	TONS	74,463	54,355	35,329	32,689	32,644	24,868	24,684	12,358	11,997	11,005	9,862	9,331	9,091	8,928	8,127
S DAK	ANAL	18-46- 0	7-21- 7	20-10- 0	11-53- 0	25-25- 0	20-20-10	11-55- 0	9-18- 9	6-21- 7	8-20-15	11-54- 0	28-12- 8	11-51- 0	11-52- 0	8-32-16
	TONS	81,893	6,713	3,221	3,119	2,905	2,782	1,886	1,618	1,472	1,368	1,245	1,146	1,078	976	956
TENN	ANAL	18-46- 0	6-12-12	5-10-15	15-15-15	10-10-10	13-13-13	8-24-24	5-20-20	10-20-20	6-24-24	12-24-24	0-20-20	12-12-12	9-23-30	3- 9-27
	TONS	122,351	51,491	26,493	24,359	24,068	22,026	21,667	14,539	10,414	8,793	8,744	6,559	5,481	4,297	3,363
TEX	ANAL	20-10- 0	16- 6-12	13-13-13	18-46- 0	10-34- 0	12-12-12	17-17-17	12-24-12	24- 8- 0	21- 7- 3	18-12- 2	21- 8-17	22-11- 0	10-20-10	18- 9- 3
	TONS	84,119	79,155	69,853	69,320	68,105	51,365	36,329	34,779	29,706	26,559	25,048	23,635	20,885	19,530	16,914
UTAH	ANAL	10-34- 0	11-52- 0	18-46- 0	11-51- 0	16-16- 8	25- 3- 5									
	TONS	1,401	1,125	1,024	609	210	175									
VT	ANAL	10-20-10	10-10-10	10-20-20	8-12-12	5-20-20	5-10-10	8-16-16	6-24-24	11-53- 0	13-13-13	10- 6- 4	5-10- 5	4-12-28		
	TONS	2,650	2,343	1,625	1,456	1,413	1,307	899	615	294	203	172	157	141		
VA	ANAL	10-10-10	5-10-10	2- 6-12	3- 9-18	10-20-20	3- 9- 9	8- 8- 8	6-12-18	19-19-19	5-10-15	5-10-30	12-24-24	18-46- 0	6-18-36	5-10- 5
	TONS	78,622	36,867	33,320	20,340	19,528	17,146	13,536	12,614	12,106	11,509	11,042	10,865	7,829	7,325	6,334
WASH	ANAL	18-46- 0	10-34- 0	16-16-16	11-55- 0	27-12- 0	10-20-20	10-30- 0	22- 3- 3	11-52- 0	5-10-10	9- 3- 6	9-30- 0	6-10-10	21- 7-14	12- 4- 8
	TONS	32,245	27,616	11,184	7,326	3,449	2,573	1,178	1,070	1,046	819	772	748	695	532	428
W VA	ANAL	5-10-10	10-20-20	18-46- 0	10-10-10	12-12-12	5-10-15	6-24-24	10-20-10	15-15-15	18-18-18	5-15-30	14- 8- 8	5-10- 5	10-34- 0	16- 8- 8
	TONS	7,240	5,572	5,529	5,450	2,189	1,163	826	813	576	534	352	301	278	278	242
WIS	ANAL	18-46- 0	6-24-24	9-23-30	3-10-30	9-18- 9	1- 1- 1	0-14-42	8-32-16	7-23- 5	5-23-27	8-32-14	6- 2- 0	14-14-14	10-10-10	4-10-10
	TONS	132,235	29,387	27,757	9,923	9,351	8,451	7,365	7,011	6,978	5,085	4,534	3,548	3,328	3,266	3,252
WYO	ANAL	18-46- 0	10-34- 0	11-52- 0	1- 1- 1	22- 3- 3	30-10- 0	4-10-10	22- 4- 4							
	TONS	6,348	1,663	761	357	332	166	119	118							

1/ EXCLUDES ALASKA, HAWAII, PUERTO RICO, CONFIDENTIAL ANALYSES AND ANALYSES WITH LESS THAN 100 TONS.
2/ ALL DATA BY ANALYSES CONFIDENTIAL.

TABLE 15 -- TONNAGES OF THE 150 MOST POPULAR MIXTURES CONSUMED, YEARS ENDED JUNE 30, 1980 AND 1981 1/

GRADE	CONSUMPTION 1980	CONSUMPTION 1981	PROPORTION OF TOTAL 1980	PROPORTION OF TOTAL 1981	GRADE	CONSUMPTION 1980	CONSUMPTION 1981	PROPORTION OF TOTAL 1980	PROPORTION OF TOTAL 1981
	TONS	TONS	PERCENT	PERCENT		TONS	TONS	PERCENT	PERCENT
0- 9-27	87,114	69,120	.38	.30	8-32-14	12,638	18,671	.05	.08
0- 9-36	16,603	20,258	.07	.09	8-32-16	194,994	160,039	.85	.69
0-10-20	107,391	85,277	.47	.37	9- 9- 9	20,862	20,977	.09	.09
0-10-30	54,121	72,166	.23	.31	9-18- 9	80,064	80,705	.35	.35
0-10-40	46,112	34,999	.20	.15	9-23-30	180,824	179,826	.78	.78
0-14-14	20,827	24,031	.09	.10	10- 5-10	22,324	20,517	.10	.09
0-14-40	23,124	18,611	.10	.08	10- 6- 4	66,681	62,587	.29	.27
0-14-42	50,830	53,751	.22	.23	10-10-10	717,178	795,244	3.11	3.43
0-15-30	72,468	69,495	.31	.30	10-10-20	46,648	55,290	.20	.24
0-15-40	64,539	66,638	.28	.29	10-10-30	19,570	25,168	.08	.11
0-17-34	100,960	95,599	.44	.41	10-20-10	181,593	168,844	.79	.73
0-18-36	72,527	87,472	.31	.38	10-20-20	345,310	353,337	1.50	1.53
0-20-20	79,697	109,333	.35	.47	10-20-30	36,372	32,072	.16	.14
0-20-30	26,442	26,921	.11	.12	10-26-26	36,250	47,162	.16	.20
0-23-30	49,701	50,844	.22	.22	10-30- 0	34,939	56,364	.15	.24
0-24-24	106,354	104,735	.46	.45	10-34- 0	680,855	695,768	2.95	3.00
0-25-25	55,151	40,365	.24	.17	11-37- 0	26,156	30,770	.11	.13
0-26-26	73,343	81,307	.32	.35	11-44- 0	60,997	26,865	.26	.12
1- 1- 1	22,007	22,583	.10	.10	11-52- 0	44,391	62,137	.19	.27
2- 6-12	149,472	133,641	.65	.58	11-53- 0	30,442	93,893	.13	.41
3- 9- 9	185,560	157,983	.81	.68	11-54- 0	76,247	94,651	.33	.41
3- 9-12	73,006	64,348	.32	.28	11-55- 0	64,323	105,991	.28	.46
3- 9-18	365,705	326,657	1.59	1.41	12- 0-12	50,034	45,954	.22	.20
3- 9-27	75,932	64,241	.33	.28	12- 2-12	44,721	29,617	.19	.13
3-10-10	41,459	41,119	.18	.18	12- 4- 8	28,244	25,319	.12	.11
3-10-20	32,001	35,179	.14	.15	12- 6- 6	68,727	72,620	.30	.31
3-10-30	278,908	293,319	1.21	1.27	12- 6-10	17,195	16,981	.07	.07
3-15-30	12,019	19,540	.05	.08	12- 6-18	12,708	23,038	.06	.10
3-18-18	33,919	29,287	.15	.13	12-12-12	318,973	265,977	1.38	1.15
4- 8-12	134,684	106,576	.58	.46	12-24-12	84,251	62,050	.37	.27
4- 8-24	2,446	23,282	.01	.10	12-24-24	57,328	48,876	.25	.21
4-10-10	152,060	129,803	.66	.56	13-13-13	601,351	624,196	2.61	2.70
4-11-11	16,446	17,130	.07	.07	14- 0-14	40,930	44,723	.18	.19
4-12-12	45,980	49,873	.20	.22	14- 7- 7	41,380	40,559	.18	.18
4-12-24	157,961	144,336	.69	.62	14- 7-14	30,241	37,804	.13	.16
4-13-26	66,363	71,841	.29	.31	14- 8- 8	27,247	27,733	.12	.12
4-16-22	19,590	21,647	.09	.09	14-14-14	100,573	115,406	.44	.50
5- 5-25	12,112	19,688	.05	.09	15- 5-10	24,174	26,428	.10	.11
5-10- 5	43,061	43,680	.19	.19	15-10-10	50,958	54,109	.22	.23
5-10-10	230,462	220,625	1.00	.95	15-15-15	300,679	283,803	1.30	1.23
5-10-15	586,408	585,029	2.55	2.53	15-40- 5	38,977	32,175	.17	.14
5-10-30	188,380	177,178	.82	.77	16- 0-16	46,872	43,341	.20	.19
5-13-21	14,536	20,321	.06	.09	16- 4- 8	58,220	61,676	.25	.27
5-14-42	14,471	17,606	.06	.08	16- 6-12	66,539	84,368	.29	.36
5-15-20	21,905	21,982	.10	.09	16- 8- 8	83,404	83,090	.36	.36
5-15-25	19,536	17,069	.08	.07	16-10-10	23,311	22,760	.10	.10
5-15-30	206,998	141,013	.90	.61	16-16-16	104,617	102,545	.45	.44
5-17-21	64,584	64,398	.28	.28	16-20- 6	28,187	27,184	.12	.12
5-20-20	88,304	82,080	.38	.35	17-17-17	178,610	149,475	.78	.65
5-20-35	56,025	63,419	.24	.27	18- 6- 6	14,565	17,463	.06	.08
5-23-27	5,564	20,298	.02	.09	18- 9- 3	23,778	17,502	.10	.08
6- 6- 6	82,094	79,683	.36	.34	18-12- 2	26,518	25,331	.12	.11
6- 6-18	27,708	50,920	.12	.22	18-18- 0	12,562	22,119	.05	.10
6- 8- 8	41,864	51,494	.18	.22	18-18- 5	29,544	20,173	.13	.09
6-12-12	84,464	87,145	.37	.38	18-18- 9	22,843	22,811	.10	.10
6-12-18	107,450	80,447	.47	.35	18-18-18	21,661	24,559	.09	.11
6-18- 6	69,915	57,492	.30	.25	18-46- 0	3,428,182	3,625,074	14.88	15.65
6-18-18	67,269	59,834	.29	.26	18-46- 9	19,892	18,760	.09	.08
6-18-36	46,267	44,733	.20	.19	19- 9- 0	59,344	41,371	.26	.18
6-20-20	31,454	26,480	.14	.11	19-19-19	157,262	136,807	.68	.59
6-24-24	842,102	712,615	3.65	3.08	20- 0-20	16,834	19,912	.07	.09
6-26-26	46,695	59,893	.20	.26	20- 5-10	46,322	53,097	.20	.23
7-18-36	19,991	22,239	.09	.10	20-10- 0	40,892	117,183	.18	.51
7-21- 7	104,970	109,686	.46	.47	20-10- 5	19,555	21,232	.08	.09
7-22- 5	80,217	66,905	.35	.29	20-10-10	132,671	160,615	.58	.69
7-23- 5	72,243	65,332	.31	.28	20-20-10	14,829	18,495	.06	.08
7-28-28	46,854	40,380	.20	.17	21- 7- 3	13,697	27,235	.06	.12
8- 0-24	21,161	17,645	.09	.08	21- 7-14	46,772	60,271	.20	.26
8- 8- 8	169,504	176,840	.74	.76	21- 8-17	14,919	23,794	.06	.10
8-16- 8	23,518	23,891	.10	.10	22-11- 0	1,863	22,612	.01	.10
8-16-24	36,622	30,019	.16	.13	24- 8- 0	26,987	30,904	.12	.13
8-24- 0	19,816	24,787	.09	.11	24-16-16	30,167	17,427	.13	.08
8-24-24	229,227	206,916	.99	.89	26- 3- 3	27,396	38,638	.12	.17
8-25- 3	57,266	46,785	.25	.20	27- 3- 3	37,440	28,635	.16	.12
8-32- 8	24,039	20,349	.10	.09	27-13-13	42,897	31,240	.19	.13
					TOTAL	16,715,379	16,802,148	72.55	72.55

NUMBER OF GRADES AND TOTAL TONNAGE BY CLASS, YEAR ENDED JUNE 30	NUMBER 1980	NUMBER 1981	TONS 1980	TONS 1981	PERCENT OF TOTAL 1980	PERCENT OF TOTAL 1981
GRADES OF 10,000 TONS OR MORE	242	242	18,322,782	18,087,261	79.52	78.10
GRADES 5,000 TONS TO 9,999 TONS	127	143	888,537	954,418	3.86	4.12
GRADES 2,500 TONS TO 4,999 TONS	282	268	992,352	947,636	4.31	4.09
LESS THAN 2,500 TONS AND GRADE NOT REPORTED			2,837,568	3,169,698	12.32	13.69
TOTAL (48 STATES AND DISTRICT OF COLUMBIA)			23,041,339	23,159,013	100.00	100.00

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

TABLE 16 -- AVERAGE PRIMARY NUTRIENT CONTENT OF MIXTURES AND DIRECT APPLICATION MATERIALS CONSUMED, YEAR ENDED JUNE 30, 1981

STATE	MIXTURE 1/				MATERIAL 2/					TOTAL IN MIXTURES AND MATERIALS
					SINGLE NUTRIENT					
	N	AVAILABLE P_2O_5	K_2O	TOTAL	N	AVAILABLE P_2O_5	K_2O	MULTIPLE NUTRIENT	TOTAL	
	PERCENT									
ALA	8.08	14.60	16.08	38.76	35.64	19.26	37.31	15.29	33.26	36.67
ALAS	17.24	18.86	13.23	49.33	41.74	53.72	59.26	51.79	44.66	47.24
ARIZ	14.13	36.21	0.26	50.60	41.78	37.58	60.08	39.03	41.42	43.05
ARK	9.09	16.13	19.56	44.79	40.45	40.94	59.89	16.88	41.20	42.71
CALIF	13.05	14.65	7.72	35.41	32.97	35.87	52.05	39.47	34.38	34.66
COLO	13.65	25.30	2.94	41.90	42.14	39.91	52.70	57.69	45.97	45.62
CONN	12.99	8.15	8.79	29.93	43.04	39.39	60.62	19.25	37.16	32.09
DEL	8.70	14.48	19.40	42.58	30.79	46.01	61.00	6.92	37.83	40.57
D C	16.83	5.50	6.45	28.78	31.34	50.00	60.78	0.00	44.44	29.67
FLA	10.33	5.85	14.46	30.64	33.41	14.33	47.77	25.05	31.84	30.83
GA	6.25	10.28	16.87	33.39	32.42	17.76	41.73	46.34	33.20	33.32
HAW	14.09	10.67	18.16	42.91	25.34	21.47	19.57	57.29	22.39	36.48
IDAHO	18.14	39.99	0.39	58.53	37.27	46.49	49.83	37.90	38.05	41.55
ILL	12.11	30.08	9.77	51.96	55.08	45.02	59.93	11.85	56.11	54.76
IND	7.80	21.85	19.94	49.59	44.09	40.07	57.95	15.63	48.15	48.86
IOWA	13.15	32.42	8.66	54.24	58.61	43.79	60.43	73.43	58.51	57.11
KANS	14.53	38.59	2.34	55.46	53.94	44.33	60.97	35.39	54.02	54.44
KY	10.43	21.96	12.46	44.84	40.86	45.01	58.25	12.62	46.28	45.61
LA	9.69	15.25	17.01	41.95	36.51	45.69	50.10	34.07	37.68	40.79
MAINE	11.88	14.17	13.66	39.71	31.54	24.39	56.12	8.42	33.55	38.92
MD	9.60	15.45	15.03	40.08	33.64	44.23	60.46	13.89	40.43	40.19
MASS	14.50	11.86	10.50	36.86	37.00	35.77	54.95	6.16	13.54	33.28
MICH	10.28	23.66	16.15	50.09	48.43	44.71	59.22	23.28	51.53	50.80
MINN	14.02	35.43	6.80	56.25	59.68	43.92	59.65	42.83	58.90	58.05
MISS	7.43	17.24	19.79	44.47	42.01	18.58	61.00	34.04	41.27	42.85
MO	13.18	15.26	19.83	48.27	44.77	42.77	55.71	5.37	45.44	47.44
MONT	15.01	45.94	0.54	61.48	41.83	45.03	51.66	37.34	42.32	49.95
NEBR	13.02	34.79	2.97	50.78	56.63	43.69	40.71	34.43	54.68	53.68
NEV	13.80	18.36	3.40	35.56	29.32	26.31	59.38	24.67	27.77	29.91
N H	13.17	11.44	11.93	36.53	33.44	41.75	60.05	7.81	34.26	36.13
N J	12.24	10.55	10.96	33.76	35.09	28.95	58.56	8.92	31.76	33.40
N MEX	12.07	28.34	3.90	44.32	47.31	44.73	30.08	28.42	43.87	44.02
N Y	9.65	15.88	14.82	40.35	39.20	40.13	59.36	32.82	42.44	41.01
N C	7.24	10.91	16.79	34.94	29.65	24.48	54.49	28.46	30.91	33.64
N DAK	15.58	40.25	2.89	58.72	66.04	44.88	60.00	34.88	64.37	62.31
OHIO	10.43	24.86	14.76	50.05	42.48	45.25	59.98	8.65	48.26	49.03
OKLA	14.59	31.74	5.36	51.69	49.18	45.38	57.58	29.21	49.39	50.19
OREG	15.30	30.82	5.42	51.55	34.50	44.58	56.74	37.60	36.78	39.31
PA	10.94	17.73	12.46	41.13	36.21	42.59	56.12	62.96	40.25	40.88
R I	13.43	9.13	9.71	32.28	44.73	32.26	59.26	35.63	37.08	33.25
S C	5.52	9.99	19.00	34.52	29.20	26.07	52.41	28.48	30.76	33.21
S DAK	16.38	34.76	3.23	54.37	50.02	43.77	60.29	23.58	50.47	51.80
TENN	11.38	24.98	11.56	47.89	38.28	45.70	60.40	59.26	46.07	46.96
TEX	14.66	15.22	6.13	36.02	47.38	43.30	46.81	34.90	46.58	40.46
UTAH	13.27	40.53	0.69	54.50	35.03	45.30	60.00	46.72	38.83	40.59
VT	11.26	13.70	14.70	39.66	39.07	45.22	52.40	66.04	43.88	40.59
VA	8.43	11.92	15.28	35.63	28.62	30.05	57.12	15.56	29.67	34.00
WASH	14.52	25.16	7.97	47.65	34.66	44.83	58.83	35.90	36.28	38.31
W VA	10.63	18.46	11.70	40.79	52.83	44.51	59.77	3.35	52.04	46.49
WISC	11.16	27.38	13.33	51.86	44.18	35.89	59.31	52.96	50.69	51.03
WYO	15.55	37.95	0.71	54.20	39.44	57.26	53.29	58.94	42.07	43.12
P R	14.01	5.37	11.67	31.05	28.25	46.55	48.38	0.00	32.53	31.11
TOTAL	10.97	19.95	12.86	43.78	45.52	40.47	58.42	36.53	47.51	45.81

1/ GUARANTEED TO CONTAIN 2 OR MORE OF THE PRIMARY NUTRIENTS N, P_2O_5, K_2O.

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

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1981

STATE	GRADE						
	10-34	11-37	11-55	13-52	23-23	28-14	30-10
	TONS						
ALA	3,335	244	0	0	12	7	0
ALAS	0	0	0	0	0	0	0
ARIZ	14,932	0	0	0	0	0	0
ARK	835	89	0	0	0	133	110
CALIF	18,604	5,739	6,411	0	15	0	271
COLO	19,020	279	0	0	0	12	812
CONN	0	0	0	0	0	0	0
DEL	779	0	0	98	0	0	0
D C	0	0	0	0	0	0	0
FLA	101	32	0	4	0	0	0
GA	0	2,472	0	0	0	53	8
HAW	936	484	1,755	0	0	0	0
IDAHO	0	0	648	0	0	0	0
ILL	26,516	68	22	150	0	0	2
IND	116,469	53	0	0	0	0	0
IOWA	48,785	118	2,493	401	0	0	215
KANS	53,961	2,277	928	0	0	0	376
KY	491	767	26	106	0	2	0
LA	137	1,647	0	0	0	0	0
MAINE	0	0	0	0	0	0	0
MD	857	0	0	2,739	0	0	0
MASS	2	0	0	0	0	0	0
MICH	18,501	0	0	1,439	0	0	7
MINN	45,057	0	10,481	0	7	16	85
MISS	551	403	0	0	0	0	0
MO	2,950	87	103	0	0	0	477
MONT	7,162	[illegible]	51,085	0	1,104	181	1,235
NEBR	91,375	1,695	5,622	0	0	42	892
NEV	840	0	0	0	0	0	0
N H	62	0	0	0	0	0	0
N J	69	0	0	0	0	0	97
N MEX	3,593	59	34	0	0	0	0
N Y	4,041	421	0	838	0	0	3
N C	4,582	108	0	0	0	0	0
N DAK	36,998	0	9,993	0	126	0	0
OHIO	35,125	0	0	2,886	0	0	478
OKLA	7,687	675	0	0	0	211	332
OREG	9,731	939	7,638	0	0	0	55
PA	2,428	0	0	32	4	0	70
R I	0	0	0	0	0	0	0
S C	5,131	0	0	0	0	0	0
S DAK	11,546	0	1,886	0	0	96	61
TENN	0	0	0	0	0	0	0
TEX	68,105	12,598	1,295	0	0	9,250	6,686
UTAH	1,401	0	0	0	0	0	84
VT	50	0	0	0	0	0	0
VA	3,818	0	0	130	14	6	0
WASH	27,616	0	7,326	0	0	0	0
W VA	278	0	0	8	0	0	0
WISC	584	0	0	6	0	0	0
WYO	1,663	0	0	0	0	0	166
P R	0	0	0	0	0	0	0
TOTAL	696,704	31,254	107,746	8,837	1,282	10,009	12,522

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES, YEAR ENDED JUNE 30, 1981--CONTINUED

STATE	GRADE 1/ 11-48	13-39	16-20	16-48	18-46	21-53	27-14
	TONS						
ALA	0	0	44	0	2,472	0	0
ALAS	0	195	0	0	80	0	0
ARIZ	4,292	0	28,299	0	10,331	0	0
ARK	0	97	427	0	8,312	0	0
CALIF	30,271	0	93,125	0	20,909	53	24,785
COLO	2,534	0	39,414	0	944	54,783	0
CONN	0	1,506	0	0	0	0	0
DEL	0	0	0	0	6,041	0	0
D C	0	0	0	0	3	0	0
FLA	0	128	45	0	17	2,687	0
GA	20,763	0	0	0	0	7,614	0
HAW	0	0	0	0	1,796	0	0
IDAHO	1,942	0	21,549	0	62,078	0	0
ILL	0	0	0	0	635,713	60	0
IND	0	0	0	0	97,819	0	0
IOWA	0	0	26	0	647,374	1,863	0
KANS	0	501	2,569	0	245,460	0	0
KY	0	0	0	0	127,071	71	0
LA	0	0	100	0	4,520	0	0
MAINE	0	0	0	0	1,001	0	0
MD	0	0	0	0	26,780	0	0
MASS	0	0	0	0	36	0	0
MICH	0	0	0	0	58,077	5,825	0
MINN	2,183	0	3,043	0	405,902	0	108
MISS	0	0	99	0	19,393	0	0
MO	0	0	0	0	14,968	0	0
MONT	1,055	700	[illegible]	[illegible]	62,122	0	4,060
NEBR	0	0	6,067	0	169,469	0	0
NEV	251	0	2,471	0	208	0	0
N H	0	0	0	0	488	0	0
N J	0	2	0	0	3,029	84	0
N MEX	777	0	4,168	0	6,805	0	0
N Y	0	0	9,324	0	2,032	0	0
N C	0	0	0	0	0	0	0
N DAK	507	0	5,638	0	143,148	0	12
OHIO	0	0	0	0	201,791	0	0
OKLA	0	0	3,665	0	140,163	76	0
OREG	4,357	345	60,166	5	15,104	0	0
PA	0	0	0	0	23,083	0	0
R I	0	0	0	0	0	738	0
S C	0	0	0	0	0	951	0
S DAK	0	0	39	0	81,893	0	0
TENN	270	0	0	0	122,351	0	0
TEX	0	0	70,050	0	69,320	0	0
UTAH	1,135	0	1,303	0	1,024	0	0
VT	0	0	0	0	1,302	95	0
VA	0	0	0	0	7,829	0	0
WASH	4,999	37	39,150	0	32,245	0	0
W VA	0	0	0	0	5,529	3	0
WISC	1,589	764	205	0	132,235	464	0
WYO	4,021	0	351	0	6,348	443	0
P R	0	0	0	0	0	0	0
TOTAL	80,966	4,275	411,089	5	3,624,615	75,810	28,965

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, 1980 AND 1981

STATE	UNDER 28% NITROGEN		28-32% NITROGEN		OVER 32% NITROGEN	
	1980	1981	1980	1981	1980	1981
			TONS			
ALA	0	0	66,786	89,616	0	0
ALAS	0	0	0	0	0	0
ARIZ	9,963	9,667	86,073	97,816	0	0
ARK	226	237	43,320	86,796	76	810
CALIF	222,320	125,079	268,767	272,260	37,770	4,788
COLO	20,018	12,008	89,671	109,460	26	0
CONN	0	0	294	294	0	0
DEL	0	0	37,637	44,398	29	56
D C	0	0	0	8	0	0
FLA	0	1,723	70,371	83,656	0	18
GA	39,002	62,434	365,017	406,822	1,010	382
HAW	14,636	9,717	2	3	1	395
IDAHO	185	0	61,021	73,410	0	0
ILL	717	1,121	635,419	575,548	24,034	14,071
IND	0	0	498,540	505,858	2,826	1,569
IOWA	0	60	536,307	564,361	501	35
KANS	0	0	293,892	298,049	0	0
KY	0	0	56,141	61,479	0	0
LA	0	0	29,071	29,071	15,557	15,557
MAINE	0	0	12	451	0	0
MD	0	0	78,417	78,854	0	0
MASS	0	0	245	96	0	0
MICH	0	0	105,917	131,198	17	689
MINN	674	870	175,801	191,615	5,279	3,672
MISS	0	0	49,133	65,827	0	0
MO	138	14	127,867	139,685	113	29
MONT	8,401	0	0	15,717	0	0
NEBR	20,311	19,138	473,191	438,475	124	691
NEV	0	0	3,221	3,021	0	0
N H	0	0	0	0	0	6
N J	0	94	5,860	7,399	0	2
N MEX	0	143	21,357	14,740	0	0
N Y	1,224	102	52,713	59,594	172	1,806
N C	16,360	23,573	368,496	429,734	671	226
N DAK	0	0	64,335	53,825	6	0
OHIO	713	9,129	375,654	439,182	334	938
OKLA	3,403	2,408	81,013	105,751	0	20,500
OREG	0	2,216	56,134	64,912	0	0
PA	11,057	0	49,614	63,063	0	0
R I	0	0	0	0	0	0
S C	13,873	18,563	155,861	201,149	0	0
S DAK	353	52	30,158	31,061	0	2,001
TENN	0	0	40,464	45,641	0	0
TEX	504	1,749	267,749	283,301	7,785	11,761
UTAH	0	0	1,320	2,314	0	0
VT	0	0	5,108	2,016	0	0
VA	0	0	142,628	157,979	0	0
WASH	5,425	10,430	125,535	143,703	0	0
W VA	0	0	0	8,169	0	0
WISC	429	0	171,004	167,850	996	751
WYO	0	200	15,108	20,728	0	2
P R	0	0	0	0	0	0
TOTAL	389,932	310,727	6,182,244	6,665,955	97,327	80,755

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, 1979 - JUNE 30, 1980 1/				
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)	128.6	54.5	116.6	523.0	.1
SOUTH ATLANTIC (FLA, GA, N C, S C, VA)	1,127.9	945.6	5,531.7	4,987.7	0
EAST NORTH CENTRAL (ILL, IND, MICH, OHIO, WIS)	53.6	578.4	5,597.3	3,100.9	0
WEST NORTH CENTRAL (IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	156.3	652.1	1,117.0	15,885.8	3.2
EAST SOUTH CENTRAL (ALA, KY, MISS, TENN)	64.6	232.2	360.3	1,835.8	0
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	55.9	1,785.0	442.6	4,564.4	0
MOUNTAIN (ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	22.0	678.8	777.3	5,129.7	.5
PACIFIC (CALIF, OREG, WASH)	53.7	679.4	544.4	8,225.2	.7
ALAS, HAW, P R	2.6	12.3	10.0	5.2	0
TOTAL	1,672.4	5,628.8	14,507.2	44,349.0	4.5
	JULY 1, 1980 - JUNE 30, 1981				
NEW ENGLAND (CONN, ME, MASS, N H, R I, VT)	8.0	10.1	47.3	79.0	.1
MID-ATLANTIC (DEL, D C, MD, N J, N Y, PA, W VA)	74.0	52.9	423.7	469.7	.1
SOUTH ATLANTIC (FLA, GA, N C, S C, VA)	794.7	1,139.0	6,592.3	5,912.4	.7
EAST NORTH CENTRAL (ILL, IND, MICH, OHIO, WIS)	171.9	575.0	4,225.2	3,661.7	0
WEST NORTH CENTRAL (IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	186.0	691.5	1,025.1	14,293.5	3.3
EAST SOUTH CENTRAL (ALA, KY, MISS, TENN)	67.1	283.3	342.7	1,684.6	0
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	159.4	2,330.5	397.5	4,646.2	.1
MOUNTAIN (ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	15.3	1,257.2	495.7	5,081.4	.2
PACIFIC (CALIF, OREG, WASH)	80.1	713.4	389.6	8,090.2	.5
ALAS, HAW, P R	3.7	12.4	12.4	8.6	.3
TOTAL	1,560.2	7,065.3	13,951.5	43,927.3	5.3

1/ REVISED.

TABLE 20 CONVERSION FACTORS AND AVERAGE ANALYSIS

TO CONVERT	TO	MULTIPLY BY
P_2O	P	0.43642
P	P_2O_5	2.29137
K_2O	K	0.83016
K	K_2O	1.20459

AVERAGE ANALYSES FOR YEAR ENDING JUNE 30, 1981

ITEM	N	P_2O_5	K_2O
MIXED FERTILIZERS	10.97	19.95	12.86
NITROGEN MATERIALS:			
ANHYDROUS AMMONIA	82.0		
AQUA AMMONIA	20.2		
AMMONIUM NITRATE	33.5		
AMMONIUM SULFATE	20.9		
NITROGEN SOLUTIONS	29.0		
SODIUM NITRATE	16.0		
UREA	45.7		
AMMONIUM NITRATE LIMESTONE	17.9		
PHOSPHATE MATERIALS:			
PHOSPHATE ROCK 1/		2.4	
SUPERPHOSPHATE (22% + UNDER)		19.5	
SUPERPHOSPHATE (OVER 22%)		45.2	
PHOSPHORIC SOLUTIONS		58.4	
AMMONIUM PHOSPHATE	16.5	27.8	
POTASH MATERIALS:			
POTASSIUM CHLORIDE			60.2
POTASSIUM MAGNESIUM SULFATE			22.0
POTASSIUM NITRATE	13.2		44.0
POTASSIUM SODIUM NITRATE	15.0		14.6
POTASSIUM SULFATE			49.7
ORGANIC MATERIALS:	2.6	2.1	2.1

1/ INCLUDES COLLOIDAL PHOSPHATE.

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