

Inorganic Fertilizer Materials and Related Products

Summary

2000

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Current
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Reports

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1998 Manufacturing Profiles, issued December 2000.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

NOTE. Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

SUMMARY OF FINDINGS. United States production of sulfuric acid in 2000 totaled 44,031.6 thousand short tons (100 percent H₂SO₄), approximately 1.6 percent below the 1999 figure of 44,756.1 thousand short tons.

Production of synthetic ammonia, nitric acid, and ammonium compounds decreased 3.1 percent to 35,650.3 thousand short tons in 2000, from 36,787.3 thousand short tons in 1999. Phosphoric acid production decreased 4.1 percent to 13,143.0 thousand short tons in 2000, from 13,708.1 thousand short tons in 1999.

Production of superphosphate and other phosphatic fertilizer materials for 2000 decreased 2.3 percent to 8,921.3 thousand short tons (100 percent P₂O₅), from 9,133.5 thousand short tons (100 percent P₂O₅) in 1999.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Walter Hunter, Jr., 301-457-4798.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

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Table 1. Shipments and Production of Principal Fertilizer Materials: 1996 to 2000
 [Quantity in thousands of short tons. Value in millions of dollars]

Product code	Product description	Year	Total production (quantity)	Total shipments, including interplant transfers	
				Quantity	Value (f.o.b. plant)
3253111120	Ammonia, synthetic anhydrous 1/.....	2000.....	16,806	6,778	961
		1999.....	17,337	(X)	(X)
		1998.....	18,475	8,303	1,214
		1997.....	17,891	8,589	1,578
		1996.....	17,923	9,919	1,690
3253111201	Ammonium nitrate, original melt liquor 2/.....	2000..... r/	7,498	3,870	497
		1999.....	7,630	(X)	(X)
		1998.....	9,079	(X)	(X)
		1997.....	8,604	(X)	(X)
		1996.....	8,498	(X)	(X)
3253111240	Ammonium sulfate 1/.....	2000.....	2,868	2,044	99
		1999.....	2,875	(X)	(X)
		1998.....	2,787	2,861	181
		1997.....	2,711	2,544	181
		1996.....	2,662	2,544	214
3253114000	Urea (100 percent).....	2000.....	7,621	3,070	436
		1999.....	8,907	(X)	(X)
		1998.....	8,865	5,586	667
		1997.....	8,190	5,342	772
		1996.....	8,548	5,781	912
3253111111	Nitric acid (100 percent).....	2000.....	8,479	1,725	245
		1999.....	8,945	(X)	(X)
		1998.....	9,285	1,506	160
		1997.....	9,433	1,805	216
		1996.....	9,205	1,461	197
3253121000	Phosphoric acid (100 percent P2O5).....	2000.....	13,143	4,449	1,395
		1999.....	13,708	4,415	(X)
		1998.....	13,891	4,649	1,515
		1997.....	13,159	4,587	1,405
		1996.....	13,210	4,402	1,227
3251881000	Sulfuric acid, gross (100 percent).....	2000.....	44,032	10,830	593
		1999.....	44,756	(X)	(X)
		1998.....	48,513	13,043	683
		1997.....	47,929	12,962	576
		1996.....	47,770	13,015	572
3253124000	Superphosphates and other fertilizer materials (100 percent P2O5).....	2000.....	8,921	8,848	2,597
		1999.....	9,133	9,769	(X)
		1998.....	10,259	10,293	3,046
		1997.....	10,473	10,380	3,692
		1996.....	10,547	10,501	3,928

r/Revised 5 percent or more from previously published data. X Not applicable.

1/Excludes data for byproduct ammonia liquor and ammonium sulfate published by the U.S. Department of Energy.

2/Represents total amount of original melt liquor produced for all purposes.

Table 2. Production, Shipments, Consumption and Stocks of Fertilizer Materials and Other Related Chemicals: 2000 and 1999
 [Quantity in short tons. Value in thousands of dollars]

Product code	Chemical and basis	2000					1999		
		Total production	Total shipments including interplant transfers		Stocks 1/	Total production	Total shipments, including interplant transfers		Stocks 1/
			Quantity	Value			Quantity	Value	
Ammonia:									
3253111120	Synthetic, anhydrous (100 percent).....	16,805,988	6,777,831	960,915	(X)	17,336,685	(X)	(X)	(X)
	Fourth quarter.....	b/ 3,795,770	b/ 1,317,597	b/ 207,894	a/ 370,383	4,674,187	(X)	(X)	(D)
	Third quarter.....	b/ 3,718,451	b/ 1,558,643	b/r/ 230,288	a/r/ 412,497	3,905,878	(X)	(X)	(D)
	Second quarter.....	a/ 4,428,697	b/ 2,038,168	b/r/ 288,983	a/r/ 359,996	4,494,973	(X)	(X)	(D)
	First quarter.....	a/ 4,863,070	b/r/ 1,863,423	b/r/ 233,750	a/r/ 457,198	4,261,647	(X)	(X)	(D)
3253111121	Fertilizer use.....	14,779,436	5,620,243	796,308	(X)	15,252,599	(X)	(X)	(X)
	Fourth quarter.....	b/ 3,280,859	b/ 1,025,819	b/ 163,706	a/ 338,924	4,187,771	(X)	(X)	(D)
	Third quarter.....	a/ 3,199,083	b/r/ 1,279,744	b/r/ 188,385	a/r/ 390,203	3,355,870	(X)	(X)	(D)
	Second quarter.....	a/ 3,935,090	b/ 1,739,540	b/r/ 248,795	a/r/ 341,234	3,985,250	(X)	(X)	(D)
	First quarter.....	a/ 4,364,404	b/r/ 1,575,140	b/r/ 195,422	a/r/ 440,960	3,723,708	(X)	(X)	(D)
3253111131	Other uses.....	2,026,552	1,157,588	164,607	(X)	2,084,086	(X)	(X)	(X)
	Fourth quarter.....	b/ 514,911	(S)	(S)	a/ 31,459	486,416	(X)	(X)	(D)
	Third quarter.....	b/ 519,368	b/ 278,899	(S)	b/r/ 22,294	550,008	(X)	(X)	(D)
	Second quarter.....	b/ 493,607	b/ 298,628	b/ 40,188	(S)	509,723	(X)	(X)	(D)
	First quarter.....	b/ 498,666	b/ 288,283	b/ 38,328	(S)	537,939	(X)	(X)	(D)
Ammonium nitrate (100 percent):									
3253111201	Original melt liquor 2/.....	7,497,718	3,869,779	496,632	(X)	7,630,137	(X)	(X)	(X)
	Fourth quarter.....	b/ 1,959,448	b/ 952,677	b/ 128,370	b/ 109,584	1,987,092	(X)	(X)	(D)
	Third quarter.....	b/r/ 1,653,837	b/r/ 786,594	b/r/ 101,925	b/r/ 98,255	1,757,371	(X)	(X)	(D)
	Second quarter.....	b/r/ 1,794,618	b/ 1,044,766	b/ 125,892	b/ 123,560	1,871,069	(X)	(X)	(D)
	First quarter.....	b/r/ 2,089,815	b/ 1,085,742	b/r/ 140,445	b/r/ 145,982	2,014,605	(X)	(X)	(D)
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....	163,217	(X)	(X)	(X) r/	181,248	(X)	(X)	(X)
	Fourth quarter.....	b/ 46,805	(X)	(X)	(D) r/	64,315	(X)	(X)	(D)
	Third quarter.....	b/r/ 36,961	(X)	(X)	(D) r/	36,123	(X)	(X)	(D)
	Second quarter.....	b/r/ 44,089	(X)	(X)	(D) r/	37,073	(X)	(X)	(D)
	First quarter.....	(S)	(X)	(X)	(D) r/	43,737	(X)	(X)	(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	3,127,751	(X)	(X)	(X) r/	3,029,368	(X)	(X)	(X)
	Fourth quarter.....	a/ 910,991	(X)	(X)	16,902 r/	774,476	(X)	(X)	49,473
	Third quarter.....	a/ 739,960	(X)	(X)	r/ 17,921	720,395	(X)	(X)	36,568
	Second quarter.....	a/ 818,036	(X)	(X)	a/r/ 15,438	742,149	(X)	(X)	28,447
	First quarter.....	a/ 658,764	(X)	(X)	(S) r/	792,348	(X)	(X)	(D)
3253111221	High density prill and granular.....	2,165,339	1,963,718	233,188	(X)	2,989,301	(X)	(X)	(X)
	Fourth quarter.....	a/ 485,392	a/ 467,936	a/ 59,144	b/ 38,477	779,016	(X)	(X)	73,514
	Third quarter.....	b/r/ 373,015	a/ 304,927	a/ 35,274	b/r/ 38,293	625,335	(X)	(X)	58,022
	Second quarter.....	a/r/ 434,730	a/ 577,879	a/ 65,570	a/ 67,382	752,280	(X)	(X)	62,622
	First quarter.....	b/r/ 872,202	b/r/ 612,976	b/r/ 73,200	b/ 90,319	832,670	(X)	(X)	65,822
3253111226	Low density prill and grained.....	1,553,402	1,515,839	218,621	(X)	945,849	(X)	(X)	(X)
	Fourth quarter.....	b/ 398,958	(S)	(S)	b/ 28,291	254,520	(X)	(X)	(D)
	Third quarter.....	b/ 393,113	(S)	(S)	b/ 26,023	243,084	(X)	(X)	(D)
	Second quarter.....	(S)	(S)	(S)	b/r/ 20,328	218,485	(X)	(X)	(D)
	First quarter.....	(S)	(S)	(S)	b/ 19,329	229,760	(X)	(X)	(D)
3253111231	All other (e.g., liquor sales, etc.).....	488,009	390,222	44,823	(X)	484,371	(X)	(X)	(X)
	Fourth quarter.....	b/ 117,302	b/ 89,560	(S)	(D)	114,765	(X)	(X)	(D)
	Third quarter.....	b/r/ 110,788	b/ 95,247	(S)	(S)	132,434	(X)	(X)	(D)
	Second quarter.....	b/r/ 131,786	b/ 104,049	b/r/ 11,538	(D)	121,082	(X)	(X)	(D)
	First quarter.....	b/r/ 128,133	b/ 101,366	b/ 12,401	(D)	116,090	(X)	(X)	(D)
3253111240	Ammonium sulfate (100 percent).....	2,867,566	2,043,695	98,708	(X)	2,599,157	(X)	(X)	(X)
	Fourth quarter.....	689,825	(D)	(D)	130,768 r/	675,559	(X)	(X)	232,118
	Third quarter.....	710,457	(D)	(D)	104,325 r/	634,805	(X)	(X)	153,260
	Second quarter.....	725,080	(D)	(D)	103,894 r/	666,603	(X)	(X)	196,075
	First quarter.....	742,204	(D)	(D)	106,079 r/	622,190	(X)	(X)	183,822
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....	(D)	(D)	(D)	(X)	(D)	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	13,837
	Third quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(D)
	Second quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	7,980
	First quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(D)
3253111246	Byproduct 3/.....	(D)	(D)	(D)	(X)	(D)	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	218,281
	Third quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(D)
	Second quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	188,095
	First quarter.....	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(D)
Nitrogen solutions, including									
3253111250	mixtures (100 percent N).....	3,768,153	2,525,621	355,824	(X)	3,894,228	(X)	(X)	(X)
	Fourth quarter.....	1,009,243	618,594	93,825	141,079	997,916	(X)	(X) r/	308,402
	Third quarter.....	837,010	r/ 513,708	r/ 74,114	r/ 114,105	876,502	(X)	(X) r/	203,376
	Second quarter.....	r/ 961,101	r/ 756,995	r/ 107,120	r/ 126,816	1,003,991	(X)	(X) r/	223,494
	First quarter.....	r/ 960,799	r/ 636,324	r/ 80,765	r/ 251,749	1,015,819	(X)	(X) r/	403,502
3253111251	Ammonium nitrate/urea solutions.....	3,352,307	2,124,922	291,542	(X)	3,822,712	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	a/ 126,424	979,675	(X)	(X)	(D)
	Third quarter.....	(D)	(D)	(D)	(D)	859,781	(X)	(X)	(D)
	Second quarter.....	(D)	(D)	(D)	r/ 109,825	983,265	(X)	(X) a/	219,961
	First quarter.....	(D)	(D)	(D)	b/r/ 238,964	999,991	(X)	(X)	(D)

Continued

Table 2. Production, Shipments, Consumption and Stocks of Fertilizer Materials and Other Related Chemicals: 2000 and 1999
 [Quantity in short tons. Value in thousands of dollars]

Product code	Chemical and basis	2000				1999			
		Total production	Total shipments including interplant transfers		Stocks 1/	Total production	Total shipments, including interplant transfers		Stocks 1/
			Quantity	Value			Quantity	Value	
3253111256	All other solutions 4/.....	415,846	400,699	64,282	(X)	71,516	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	b/	14,655	(X)	(X)	(D)
	Third quarter.....	(D)	(D)	(D)	(D)	16,721	(X)	(X)	(D)
	Second quarter.....	(D)	(D)	(D)	b/r/	16,991	(X)	(X)	3,533
	First quarter.....	(D)	(D)	(D)	b/r/	12,785	(X)	(X)	(D)
3253111111	Nitric acid (100 percent) 5/.....	8,479,047	1,725,286	245,418	(X)	8,945,219	(X)	(X)	(X)
	Fourth quarter.....	b/ 2,252,239	b/ 432,690	b/ 60,732	(X)	2,364,366	(X)	(X)	(X)
	Third quarter.....	b/ 1,916,023	b/r/ 461,872	b/r/ 68,735	(X)	1,970,310	(X)	(X)	(X)
	Second quarter.....	b/ 2,098,181	b/r/ 435,930	b/r/ 55,419	(X)	2,214,540	(X)	(X)	(X)
	First quarter.....	b/ 2,212,604	b/r/ 394,794	b/r/ 60,532	(X)	2,396,003	(X)	(X)	(X)
3253114000	Urea original melt liquor.....	7,621,365	3,070,033	435,571	(X)	8,906,816	(X)	(X)	(X)
	Fourth quarter.....	a/ 1,923,781	b/ 676,640	b/ 109,299	b/	120,974	(X)	(X)	204,061
	Third quarter.....	a/ 1,657,914	a/r/ 620,244	a/ 91,426	b/r/	144,274	(X)	(X)	83,283
	Second quarter.....	a/ 1,804,196	a/r/ 755,677	a/ 99,837	b/r/	87,149	(X)	(X)	110,768
	First quarter.....	a/ 2,235,474	b/r/ 1,017,472	b/r/ 135,009	a/r/	167,539	(X)	(X)	138,406
3253114011	Consumed in the manufacture of urea-ammonium nitrate solutions.....	2,518,546	(D)	(D)	(X)	2,606,488	(X)	(X)	(X)
	Fourth quarter.....	a/ 684,571	(D)	(D)	(D)	703,092	(X)	(X)	(D)
	Third quarter.....	a/r/ 555,031	(D)	(D)	(D)	533,158	(X)	(X)	(D)
	Second quarter.....	a/r/ 676,098	(D)	(D)	(D)	663,132	(X)	(X)	(D)
	First quarter.....	a/r/ 602,846	(D)	(D)	(D)	707,106	(X)	(X)	(D)
3253114021	Prills.....	1,644,520	1,149,511	164,872	(X)	1,843,709	(X)	(X)	(X)
	Fourth quarter.....	a/ 356,206	a/ 215,255	a/ 33,194	(D)	504,724	(X)	(X)	99,373
	Third quarter.....	a/ 442,057	a/ 292,145	a/ 40,761	b/	109,903	(X)	(X)	33,784
	Second quarter.....	a/ 368,332	a/ 270,408	a/ 37,316	(D)	492,042	(X)	(X)	36,032
	First quarter.....	a/ 477,925	a/r/ 371,703	a/ 53,601	b/	100,951	(X)	(X)	65,187
3253114031	Granular.....	3,284,266	1,539,190	194,346	(X)	4,187,313	(X)	(X)	(X)
	Fourth quarter.....	a/ 850,195	b/ 385,026	b/ 54,791	a/	18,706	(X)	(X)	104,688
	Third quarter.....	a/ 601,885	b/r/ 243,509	b/r/ 31,253	a/r/	25,032	(X)	(X)	49,499
	Second quarter.....	a/ 737,081	b/r/ 386,441	b/r/ 44,975	a/r/	18,100	(X)	(X)	74,475
	First quarter.....	a/ 1,095,105	b/r/ 524,214	b/r/ 63,327	a/r/	45,884	(X)	(X)	73,219
3253114041	All other (liquor sales, melamine, feedstock, other).....	174,033	(D)	(D)	(X)	269,306	(X)	(X)	(X)
	Fourth quarter.....	32,809	(D)	(D)	(D)	67,956	(X)	(X)	(D)
	Third quarter.....	r/ 58,941	(D)	(D)	(D)	62,717	(X)	(X)	(D)
	Second quarter.....	a/r/ 22,685	(D)	(D)	(D)	61,542	(X)	(X)	(D)
	First quarter.....	b/ 59,598	(D)	(D)	(D)	77,091	(X)	(X)	(D)
3253121000	Phosphoric acid (100 percent P2O5).....	13,143,034	4,448,654	1,395,053	(X)	13,708,086	4,415,120	(X)	(X)
	Fourth quarter.....	3,200,115	r/ 1,126,636	r/ 356,143	190,918	3,376,410	1,102,149	(X)	219,352
	Third quarter.....	3,236,718	r/ 1,016,343	r/ 324,951	176,543	3,359,332	969,877	(X)	217,146
	Second quarter.....	3,316,856	1,142,474	354,969	201,215	3,460,967	1,176,223	(X)	233,048
	First quarter.....	3,389,345	1,163,201	358,990	202,955	3,511,377	1,166,871	(X)	196,192
3253121111	Thermal.....	254,321	181,852	117,383	(X)	285,688	177,127	(X)	(X)
	Fourth quarter.....	a/ 48,315	a/ 38,637	a/ 27,671	5,157	74,974	47,505	(X)	4,389
	Third quarter.....	a/r/ 62,025	a/r/ 44,268	a/r/ 29,582	r/	6,297	a/ 66,593	39,919	(X)
	Second quarter.....	a/ 74,413	52,590	a/ 34,217	6,748	68,620	42,820	(X)	5,962
	First quarter.....	a/ 69,568	46,357	b/ 25,913	5,961	a/ 75,501	a/ 46,883	(X)	8,132
3253121121	Wet.....	12,888,713	4,026,231	1,222,609	(X)	13,422,398	4,237,993	(X)	(X)
	Fourth quarter.....	3,151,800	r/ 1,087,999	b/r/ 328,472	185,761	3,301,436	1,054,644	(X)	214,963
	Third quarter.....	3,174,693	r/ 972,075	a/r/ 295,369	170,246	3,292,739	929,958	(X)	(D)
	Second quarter.....	3,242,443	a/ 1,089,884	a/ 320,752	194,467	3,392,347	1,133,403	(X)	227,086
	First quarter.....	3,319,777	a/ 1,116,844	a/ 333,077	196,994	3,435,876	1,119,988	(X)	188,060
3253121211	By use:								
	Fertilizer.....	12,131,371	(D)	(D)	(X)	12,706,730	(X)	(X)	(X)
	Fourth quarter.....	2,965,729	(D)	(D)	(D)	3,112,997	(X)	(X)	(D)
	Third quarter.....	2,998,408	(D)	(D)	(D)	3,127,172	(X)	(X)	(D)
	Second quarter.....	3,050,958	(D)	(D)	(D)	3,208,328	(X)	(X)	(D)
	First quarter.....	3,116,276	(D)	(D)	(D)	3,258,233	(X)	(X)	(D)
3253121221	Feed and other.....	757,342	(D)	(D)	(X)	715,668	(X)	(X)	(X)
	Fourth quarter.....	186,071	(D)	(D)	(D)	188,439	(X)	(X)	(D)
	Third quarter.....	176,285	(D)	(D)	(D)	165,567	(X)	(X)	(D)
	Second quarter.....	191,485	(D)	(D)	(D)	184,019	(X)	(X)	(D)
	First quarter.....	203,501	(D)	(D)	(D)	177,643	(X)	(X)	(D)
3253121311	By grade:								
	Ortho (less than 65 percent P2O5).....	11,318,125	2,914,739	841,438	(X)	11,939,533	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	162,538	2,915,154	(X)	(X)	193,948
	Third quarter.....	(D)	(D)	158,546	153,950	(D)	(X)	(X)	(D)
	Second quarter.....	2,867,047	a/ 762,234	a/ 215,242	173,568	(D)	(X)	(X)	204,946
	First quarter.....	2,912,702	(D)	(D)	177,754	3,047,707	(X)	(X)	164,204
3253121321	Super (more than 65 percent P2O5).....	1,570,588	1,352,063	436,232	(X)	1,482,865	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	21,678	386,282	(X)	(X)	21,015
	Third quarter.....	(D)	(D)	108,921	14,759	(D)	(X)	(X)	(D)
	Second quarter.....	375,396	327,650	105,510	20,899	(D)	(X)	(X)	22,140
	First quarter.....	407,075	(D)	(D)	19,240	388,169	(X)	(X)	23,856
3253124000	Superphosphate and other phosphatic fertilizer materials:								
	Gross weight.....	18,882,513	15,565,909	(X)	(X)	19,675,318	(X)	(X)	(X)
	Fourth quarter.....	4,385,223	3,668,330	(X)	678,164	4,122,714	(X)	(X)	284,812

Continued

Table 2. Production, Shipments, Consumption and Stocks of Fertilizer Materials and Other Related Chemicals: 2000 and 1999
 [Quantity in short tons. Value in thousands of dollars]

Product code	Chemical and basis	2000				1999			
		Total production	Total shipments including interplant transfers		Stocks 1/	Total production	Total shipments, including interplant transfers		Stocks 1/
			Quantity	Value			Quantity	Value	
	Third quarter.....	4,910,244	3,730,746	(X)	589,421	4,692,851	(X)	(X)	439,539
	Second quarter.....	4,701,880	3,977,500	(X)	611,944	4,732,306	(X)	(X)	442,708
	First quarter.....	4,885,166	4,189,333	(X)	1,096,961	4,891,566	(X)	(X)	419,321
	Nitrogen content.....	2,814,996	(X)	(X)	(X)	2,756,598	(X)	(X)	(X)
	Fourth quarter.....	649,563	(X)	(X)	(X)	626,636	(X)	(X)	(X)
	Third quarter.....	705,775	(X)	(X)	(X)	701,015	(X)	(X)	(X)
	Second quarter.....	753,989	(X)	(X)	(X)	706,714	(X)	(X)	(X)
	First quarter.....	705,669	(X)	(X)	(X)	697,700	(X)	(X)	(X)
	Phosphoric oxide content (100 percent								
	P2O5).....	8,921,334	8,847,751	2,596,787	(X) r/	8,543,814 r/	9,210,528	(X)	(X)
	Fourth quarter.....	2,059,783	2,000,439	594,076	(X) r/	1,995,968 r/	2,241,950	(X)	(X)
	Third quarter.....	2,326,119	2,349,352	658,333	(X) r/	2,155,166 r/	2,291,394	(X)	(X)
	Second quarter.....	2,191,222	2,185,810	665,322	(X) r/	2,146,803 r/	2,390,573	(X)	(X)
	First quarter.....	2,344,210	2,312,150	679,056	(X) r/	2,245,877 r/	2,286,611	(X)	(X)
3253124111, 121	Normal, enriched, and concentrated: 6/								
	Gross weight.....	(D)	(D)	(X)	(X)	(D)	(X)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(X)	(D)	(D)	(X)	(X)	(D)
	Third quarter.....	(D)	(D)	(X)	(D)	(D)	(X)	(X)	(D)
	Second quarter.....	(D)	(D)	(X)	(D)	(D)	(X)	(X)	(D)
	First quarter.....	(D)	(D)	(X)	(D)	(D)	(X)	(X)	(D)
	Nitrogen content.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Fourth quarter.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Third quarter.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Second quarter.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	First quarter.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Phosphoric oxide content (100 percent								
	P2O5).....	(D)	(D)	(D)	(X)	(D)	(D)	(X)	(X)
	Fourth quarter.....	(D)	(D)	(D)	(X)	(D)	(D)	(X)	(X)
	Third quarter.....	(D)	(D)	(D)	(X)	(D)	(D)	(X)	(X)
	Second quarter.....	(D)	(D)	(D)	(X)	(D)	(D)	(X)	(X)
	First quarter.....	(D)	(D)	(D)	(X)	(D)	(D)	(X)	(X)
3253124131	Monoammonium phosphates:								
	Gross weight.....	4,551,094	3,993,387	(X)	(X)	3,219,866	(X)	(X)	(X)
	Fourth quarter.....	1,047,724	909,460	(X)	169,053	826,015	(X)	(X)	(X)
	Third quarter.....	1,357,330	974,161	(X)	157,676	731,274	(X)	(X)	(X)
	Second quarter.....	856,830	1,026,059	(X)	127,550	707,019	(X)	(X)	(X)
	First quarter.....	1,289,210	1,083,707	(X)	180,620	955,558	(X)	(X)	(X)
	Nitrogen content.....	522,679	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Fourth quarter.....	114,204	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Third quarter.....	126,484	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Second quarter.....	123,765	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	First quarter.....	158,226	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Phosphoric oxide content (100 percent								
	P2O5).....	2,344,533	2,333,182	662,479	(X) r/	1,656,214	1,847,479	(X)	(X)
	Fourth quarter.....	539,419	521,013	144,544	(X) r/	425,348	482,499	(X)	(X)
	Third quarter.....	700,758	696,149	165,350	(X) r/	376,234	423,048	(X)	(X)
	Second quarter.....	439,032	456,065	157,993	(X) r/	362,722	422,997	(X)	(X)
	First quarter.....	665,324	659,955	194,592	(X) r/	491,910	518,935	(X)	(X)
3253124211	Diammonium phosphates:								
	Gross weight.....	12,386,588	9,934,881	(X)	(X)	14,624,696	(X)	(X)	(X)
	Fourth quarter.....	2,878,640	a/ 2,414,484	(X)	384,865	3,151,418	(X)	(X)	284,812
	Third quarter.....	3,111,970	a/ 2,350,508	(X)	347,093	3,844,840	(X)	(X)	439,539
	Second quarter.....	3,365,417	a/ 2,541,781	(X)	397,834	3,873,783	(X)	(X)	394,756
	First quarter.....	3,030,561	a/ 2,628,108	(X)	759,426	3,754,655	(X)	(X)	419,321
	Nitrogen content.....	2,247,183	(X)	(X)	(X)	2,708,447	(X)	(X)	(X)
	Fourth quarter.....	526,259	(X)	(X)	(X)	615,872	(X)	(X)	(X)
	Third quarter.....	569,840	(X)	(X)	(X)	701,015	(X)	(X)	(X)
	Second quarter.....	617,232	(X)	(X)	(X)	706,714	(X)	(X)	(X)
	First quarter.....	533,852	(X)	(X)	(X)	684,846	(X)	(X)	(X)
	Phosphoric oxide content (100 percent								
	P2O5).....	5,762,263	5,711,387	1,717,329	(X)	6,832,250	7,234,787	(X)	(X)
	Fourth quarter.....	1,327,435	1,297,391	398,700	(X)	1,552,175	1,730,631	(X)	(X)
	Third quarter.....	1,434,127	a/ 1,454,757	a/ 441,935	(X)	1,766,592	1,841,606	(X)	(X)
	Second quarter.....	1,551,686	a/ 1,518,474	a/ 452,130	(X)	1,784,081	1,931,423	(X)	(X)
	First quarter.....	1,449,015	1,440,765	a/ 424,564	(X)	1,729,402	1,731,127	(X)	(X)
3253124222	Other ammonium phosphates and other phosphatic fertilizer materials:								
	Gross weight.....	554,361	361,488	(X)	(X)	530,490	(X)	(X)	(X)
	Fourth quarter.....	b/ 113,073	(S)	(X)	(D)	125,409	(X)	(X)	(D)
	Third quarter.....	b/ 114,279	b/ 91,146	(X)	(D)	116,737	(X)	(X)	(D)
	Second quarter.....	b/ 161,247	(S)	(X)	(D)	151,504	(X)	(X)	47,952
	First quarter.....	b/ 165,762	b/ 127,949	(X)	(D)	136,840	(X)	(X)	(D)
	Nitrogen content.....	45,134	(X)	(X)	(X)	48,151	(X)	(X)	(X)
	Fourth quarter.....	9,100	(X)	(X)	(X)	10,764	(X)	(X)	(X)
	Third quarter.....	9,451	(X)	(X)	(X)	(D)	(X)	(X)	(X)
	Second quarter.....	(D)	(X)	(X)	(X)	(D)	(X)	(X)	(X)
	First quarter.....	(D)	(X)	(X)	(X)	12,854	(X)	(X)	(X)
	Phosphoric oxide content (100 percent								
	P2O5).....	(D)	(D)	65,786	(X)	60,089	128,262	(X)	(X)
	Fourth quarter.....	(D)	(D)	(S)	(X)	14,387	28,820	(X)	(X)
	Third quarter.....	(D)	(D)	(S)	(X)	12,340	26,740	(X)	(X)
	Second quarter.....	(D)	(D)	(S)	(X)	(D)	36,153	(X)	(X)
	First quarter.....	(D)	(D)	(S)	(X)	(D)	36,549	(X)	(X)

Table 2. Production, Shipments, Consumption and Stocks of Fertilizer Materials and Other Related Chemicals: 2000 and 1999
 [Quantity in short tons. Value in thousands of dollars]

Product code	Chemical and basis	2000				1999		
		Total production	Total shipments including interplant transfers		Stocks 1/	Total production	Total shipments, including interplant transfers	
		Quantity	Value		Quantity	Value	Stocks 1/	
3251881000	Sulfuric acid (100 percent): 5/							
	Total gross.....	44,031,556	10,830,203	592,699	(X)	44,756,094	(X)	(X)
	Fourth quarter.....	a/ 10,974,330	b/ 2,749,796	b/ 144,422	b/ 564,349	11,302,525	(X)	(X)
	Third quarter.....	a/ 11,003,275	b/ 2,777,096	b/r/ 150,172	b/ 420,154	11,189,844	(X)	(X)
	Second quarter.....	a/ 11,005,435	b/ 2,683,935	b/r/ 152,631	a/ 533,637	11,023,436	(X)	(X)
	First quarter.....	a/ 11,048,516	b/r/ 2,619,376	b/r/ 145,474	a/ 559,587	11,240,289	(X)	(X)
	By feedstock:							
3251881111	Elemental sulfur.....	35,785,893	7,196,682	407,685	(X)	37,946,716	(X)	(X)
	Fourth quarter.....	a/ 8,911,080	b/ 1,737,990	(S)	(X)	9,597,885	(X)	(X)
	Third quarter.....	a/ 8,892,879	b/r/ 1,796,454	(S)	(X)	9,354,410	(X)	(X)
	Second quarter.....	b/ 8,831,917	b/ 1,795,000	b/r/ 101,111	(X)	9,375,725	(X)	(X)
	First quarter.....	b/r/ 9,150,017	b/r/ 1,867,238	b/r/ 109,439	(X)	9,618,696	(X)	(X)
3251881121	Smelting metallic sulfide ore.....	1,809,906	1,130,180	23,846	(X)	2,530,035	(X)	(X)
	Fourth quarter.....	428,492	(D)	(D)	(X)	559,659	(X)	(X)
	Third quarter.....	r/ 472,827	(D)	(D)	(X)	653,573	(X)	(X)
	Second quarter.....	r/ 465,961	(D)	(D)	(X)	519,464	(X)	(X)
	First quarter.....	r/ 442,626	(D)	(D)	(X)	797,339	(X)	(X)
3251881130	Decomposition of alkylation and other spent acid.....	5,732,279	2,035,622	140,251	(X)	3,763,883	(X)	(X)
	Fourth quarter.....	b/r/ 1,451,230	b/r/ 539,038	b/ 36,111	(S)	1,016,907	(X)	(X)
	Third quarter.....	b/r/ 1,464,414	b/r/ 611,025	b/r/ 39,962	(S)	1,046,122	(X)	(X)
	Second quarter.....	b/ 1,527,564	b/ 523,094	b/ 39,737	(S)	993,894	(X)	(X)
	First quarter.....	b/ 1,289,071	b/r/ 362,465	b/r/ 24,441	(S)	706,960	(X)	(X)
3251881141	Other.....	703,488	467,719	20,917	(X)	514,061	(X)	(X)
	Fourth quarter.....	b/ 183,538	(D)	(D)	(X)	128,074	(X)	(X)
	Third quarter.....	173,155	(D)	(D)	(X)	135,739	(X)	(X)
	Second quarter.....	179,993	(D)	(D)	(X)	134,353	(X)	(X)
	First quarter.....	166,802	(D)	(D)	(X)	115,895	(X)	(X)
	By grade:							
3251881212	Oleum grades.....	2,223,490	1,484,519	129,981	(X)	1,863,674	(X)	(X)
	Fourth quarter.....	(S)	(S)	b/ 36,111	b/ 29,834	531,368	(X)	(X)
	Third quarter.....	b/ 554,382	b/r/ 363,315	(S)	b/ 21,098	425,357	(X)	(X)
	Second quarter.....	b/ 569,632	b/ 373,691	(S)	b/r/ 17,413	404,682	(X)	(X)
	First quarter.....	b/ 562,187	b/r/ 382,855	(S)	b/r/ 20,197	502,267	(X)	(X)
3251881231	Other than oleum grades.....	41,808,076	9,345,684	462,718	(X)	42,892,420	(X)	(X)
	Fourth quarter.....	a/ 10,437,051	b/ 2,385,138	b/ 112,332	b/ 534,515	10,771,157	(X)	(X)
	Third quarter.....	a/ 10,448,893	b/ 2,413,781	b/ 118,306	b/ 399,056	10,764,487	(X)	(X)
	Second quarter.....	a/ 10,435,803	b/ 2,310,244	b/ 119,870	516,224	10,618,754	(X)	(X)
	First quarter.....	a/ 10,486,329	b/r/ 2,236,521	b/r/ 112,210	a/ 539,390	10,738,022	(X)	(X)
3251881311	Spent acid fortified in contact units and included in above production data.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Fourth quarter.....	(X)	(X)	(X)	(D)	(X)	(X)	(D)
	Third quarter.....	(X)	(X)	(X)	(D)	(X)	(X)	(D)
	Second quarter.....	(X)	(X)	(X)	(D)	(X)	(X)	7,706
	First quarter.....	(X)	(X)	(X)	(D)	(X)	(X)	(D)
	Total new acid/7.....	38,299,287	(X)	(X)	(X)	40,992,211	(X)	(X)
	Fourth quarter.....	9,523,110	(X)	(X)	(X)	10,285,618	(X)	(X)
	Third quarter.....	9,538,861	(X)	(X)	(X)	10,143,722	(X)	(X)
	Second quarter.....	9,477,871	(X)	(X)	(X)	10,029,542	(X)	(X)
	First quarter.....	9,759,445	(X)	(X)	(X)	10,533,329	(X)	(X)

D Withheld to avoid disclosing data for individual companies. N Nitrogen content. P2O5 Phosphoric oxide content. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards. X Not applicable.

- 1/Stocks held by producing companies include amounts held at their nonproducing locations.
- 2/Production represents total amount of ammonium nitrate produced, including amounts for fertilizer, explosives, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original melt liquor and amounts (liquid and solid) reported as fertilizer, explosives, and other uses.
- 3/Excludes coke oven byproduct ammonium sulfate.
- 4/Solutions containing two or more products such as: (a) ammonia, ammonium nitrate; (b) ammonia, urea; (c) ammonia, ammonium nitrate, urea.
- 5/Includes data for government-owned, contractor-operated plants.
- 6/Product code 3253124111 is combined with product code 3253124121.
- 7/Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acids and other spent acids and sludge acid.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3. Production, Exports, Imports, and Apparent Consumption of Fertilizer Materials: 2000 and 1999
 [Quantity in thousands of metric tons]

Product code	Product description	Production (quantity)	Exports of domestic merchandise 1/		Percent exports to production (quantity)	Imports for consumption 2/		Apparent consumption 3/ (quantity)	Percent imports to apparent consumption (quantity)
			Quantity	Value		Quantity	Value		
2000									
3253111120	Ammonia, synthetic anhydrous.....	15,246.4	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)
3253111201	Ammonium nitrate, original solution.....	6,801.9	21.4	(NA)	0.3	817.6	(NA)	7,598.1	10.8
3253111250	Nitrogen solutions, ammonium nitrate/urea solutions.....	3,418.5	22.8	(NA)	0.7	1,305.4	(NA)	4,701.1	27.8
3253111240	Ammonium sulfate.....	2,601.5	983.0	(NA)	37.8	347.1	(NA)	1,965.6	17.7
3253114000	Urea.....	6,914.1	662.7	(NA)	9.6	3,903.9	(NA)	10,155.3	38.4
3253121000	Phosphoric acid.....	11,923.4	(D)	(NA)	(D)	69.2	(NA)	(D)	(D)
3253124111, 121	Normal, enriched, and concentrated superphosphates 4/.....	(D)	544.8	(NA)	(D)	(D)	(NA)	(D)	(D)
3253124211	Diammonium phosphates.....	11,237.1	7,619.0	(NA)	67.8	123.3	(NA)	3,741.3	3.3
3251881000	Sulfuric acid, gross.....	39,945.4	190.6	(NA)	0.5	1,417.0	(NA)	41,171.8	3.4
1999									
3253111120	Ammonia, synthetic anhydrous.....	15,727.8	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)
3253111201	Ammonium nitrate, original solution.....	6,922.1	28.2	(NA)	0.4	934.8	(NA)	7,828.6	11.9
3253111250	Nitrogen solutions, ammonium nitrate/urea solutions.....	3,532.8	22.5	(NA)	0.6	613.7	(NA)	4,124.0	14.9
3253111240	Ammonium sulfate.....	2,608.4	1,068.3	(NA)	41.0	342.2	(NA)	1,882.3	18.2
3253114000	Urea.....	8,080.3	889.7	(NA)	11.0	3,263.9	(NA)	10,454.5	31.2
3253121000	Phosphoric acid.....	12,436.0	(D)	(NA)	(D)	56.0	(NA)	(D)	(D)
3253124111, 121	Normal, enriched, and concentrated superphosphates 4/.....	(D)	634.1	(NA)	(D)	(D)	(NA)	(D)	(D)
3253124211	Diammonium phosphates	r/ 13,267.5	10,495.8	(NA)	79.1	35.6	(NA)	2,807.3	1.3
3251881000	Sulfuric acid, gross.....	40,602.7	154.9	(NA)	0.4	1,368.6	(NA)	41,816.4	3.3

D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data.

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Apparent consumption is derived by subtracting exports from manufacturers' production plus imports. Apparent consumption does not include any adjustments for changes in inventories.

4/Product code 325312111, "Normal and enriched superphosphates," is combined with product code 3253124121, "Concentrated superphosphates" to avoid disclosing data for individual companies.

Note: For comparison of North American Industry Classification System (NAICS)-based product codes, HTSUSA import numbers, and Schedule B export numbers, see Table 4.

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/	Import number 2/
3253111120	Anhydrous ammonia, synthetic.....	2814.10.0000 2814.20.0000	2814.10.0000 2814.20.0000
3253111201	Ammonium nitrate, original solution.....	3102.30.0000	3102.30.0000
3253111240	Ammonium sulfate.....	3102.21.0000	3102.21.0000
3253111251	Nitrogen solutions, ammonium nitrate/ urea solutions.....	3102.80.0000	3102.80.0000
3253114001	Urea.....	3102.10.0000	3102.10.0000
3253121101	Phosphoric acid.....	2809.20.0010 2809.20.0020 2809.20.0030	2809.20.0010 2809.20.0020 2809.20.0030
3253124111, 121	Normal, enriched, and concentrated superphosphates.....	3103.10.0010 3103.10.0020	3103.10.0010 3103.10.0020
3253124211	Diammonium phosphates.....	3105.30.0000	3105.30.0000
3251881000	Sulfuric acid.....	2807.00.0000	2807.00.0000

1/Source: 2000 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2000).