

U.S. Census Bureau
Fertilizers and Related Chemicals - 2008
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Address inquiries concerning these data to Primary Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call John Linehan, 301-763-4742

Table 1. Shipments and Production of Principal Fertilizers and Related Chemicals: 2004 to 2008
[Quantity in thousands of short tons. Value in millions of dollars]

Product code	Product description	Year	Total production	Total shipments including interplant transfers		
				Quantity		Value (f.o.b. plant)
3253111120	Ammonia, synthetic anhydrous 1/.....	2008	10,550	3,383	r/	1,603
		2007	11,456	3,511		1,244
		2006	10,981	4,076		1,253
		2005	11,181	4,587		1,266
		2004	12,058	4,490		1,052
3253111201	Ammonium nitrate, original melt liquor 2/.....	2008	7,841	r/ 5,342	r/	1,481
		2007	8,242	r/ 4,885	r/	1,204
		2006	7,068	3,282		686
		2005	7,212	3,457		643
		2004	7,229	4,275		730
3253111240	Ammonium sulfate 1/.....	2008	2,771	2,181		576
		2007	3,145	2,342		397
		2006	2,870	2,335		306
		2005	2,906	2,775		401
		2004	3,005	2,989		399
3253114101	Urea (100 percent).....	2008	5,777	r/ 2,257	r/	1,022
		2007	6,168	r/ 2,733	r/	917
		2006	5,934	2,030		552
		2005	5,807	3,588		816
		2004	6,344	4,026		848
3253111111	Nitric acid (100 percent).....	2008	7,986	r/ 2,502		407
		2007	8,628	2,904		418
		2006	7,245	2,353		322
		2005	7,398	2,352		304
		2004	7,129	1,870		224
3253121100	Phosphoric acid (100 percent P2O5).....	2008	10,158	r/ 4,016	r/	2,592
		2007	12,081	r/ 4,239	r/	1,385
		2006	11,797	3,974		1,119
		2005	12,622	4,300		1,184
		2004	12,693	4,614		1,204
3251881100	Sulfuric acid, gross (100 percent).....	2008	35,692	r/ 13,483	r/	1,100
		2007	39,745	11,998		622
		2006	39,578	12,084		683
		2005	41,086	11,916		656
		2004	41,934	12,574		637
3253124100	Superphosphates and other fertilizer materials (100 percent P2O5).....	2008	6,015	5,959	r/	7,420
		2007	7,241	7,445		4,434
		2006	7,184	7,319		3,143
		2005	8,141	8,112		3,674
		2004	8,737	8,610		3,419

r/Revised by 5 percent or more from previously published data.

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

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

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description	Total production	Total shipments including interplant transfers		Stocks 1/
			Quantity	Value	
TOTAL					
Ammonia:					
3253111120	Synthetic, anhydrous (100 percent).....	10,550,166	3,383,459	1,603,341	(X)
3253111121	Fertilizer use.....	9,025,264	2,790,157	1,352,006	(X)
3253111131	Other uses.....	1,524,902	593,302	251,335	(X)
Ammonium nitrate (100 percent):					
3253111201	Original melt liquor 2/.....	7,841,259	5,342,242	1,481,264	(X)
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....	137,279	141,768	51,006	(X)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	4,404,295	876,469	457,904	(X)
3253111221	High density prill and granular.....	716,287	832,185	228,608	(X)
3253111226	Low density prill and grained.....	2,116,704	2,649,316	640,312	(X)
3253111231	All other (e.g., liquor sales, etc.).....	466,694	842,504	103,434	(X)
3253111240	Ammonium sulfate (100 percent).....	2,771,081	2,181,085	575,817	(X)
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....	147,083	187,851	47,611	(X)
3253111246	Byproduct	2,623,998	1,993,234	528,206	(X)
3253111250	Nitrogen solutions, including mixtures (100 percent N).....	3,834,581	3,030,474	1,494,663	(X)
3253111256	Ammonium nitrate/urea solutions.....	3,632,011	2,827,133	1,435,781	(X)
3253111251	All other solutions 3/.....	202,570	203,341	58,882	(X)
3253111111	Nitric acid (100 percent) 4/.....	7,985,986	2,501,564	406,706	(X)
3253114101	Urea original melt liquor.....	5,776,743	2,256,678	1,022,090	(X)
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	2,797,858	273,686	114,121	(X)
3253114121	Prills.....	779,905	796,829	358,358	(X)
3253114131	Granular.....	2,063,380	1,036,021	444,032	(X)
3253114141	All other (liquor sales, melamine, feedstock, other).....	135,600	150,142	105,579	(X)
3253121100	Phosphoric acid (100 percent P2O5).....	10,157,728	4,015,914	2,592,125	(X)
By use:					
3253121211	Fertilizer.....	9,274,988	3,432,618	2,119,035	(X)
3253121221	Feed and other	882,740	583,296	473,090	(X)
By grade:					
3253121311	Ortho (less than 65 percent P2O5).....	8,902,084	2,640,537	1,551,899	(X)
3253121321	Super (more than 65 percent P2O5)	1,255,644	1,375,377	1,040,226	(X)
3253124100	Superphosphate and other phosphatic fertilizer materials:				
	Gross weight.....	13,381,408	13,025,700	7,420,359	(X)
	Nitrogen content.....	(X)	(X)	(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....	6,014,546	5,958,559	(X)	(X)
3253124131	Monoammonium phosphates:				
	Gross weight.....	4,176,994	4,032,594	2,889,667	(X)
	Nitrogen content.....	459,491	(X)	(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....	2,173,946	2,177,952	(X)	(X)
3253124211	Diammonium phosphates:				
	Gross weight.....	8,334,597	8,097,984	4,048,960	(X)
	Nitrogen content.....	1,461,075	(X)	(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....	3,603,963	3,547,023	(X)	(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic				

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production		Total shipments including interplant transfers				Stocks 1/
					Quantity	Value			
	fertilizer materials: 5/								
	Gross weight.....		869,817		895,122		481,732		(X)
	Nitrogen content.....		(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		236,637		233,584		(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/								
	Total gross.....		35,692,348		13,483,207		1,099,814		(X)
	By feedstock:								
3251881111	Elemental sulfur.....		29,851,702		7,998,763		729,887		(X)
3251881121	Smelting metallic sulfide ore.....		2,785,291		3,269,774		147,920		(X)
3251881131	Decomposition of alkylation and other spent acid.....		2,365,926		1,698,681		188,734		(X)
3251881141	Other.....		689,429		515,989		33,273		(X)
	By grade:								
3251881212	Oleum grades.....		1,518,860		1,087,651		88,743		(X)
3251881231	Other than oleum grades.....		34,173,488		12,395,556		1,011,071		(X)
3251881311	Spent acid fortified in contact units and included in above production data.....		1,008,513		(X)		(X)		(X)
	Total new acid 6/.....		32,636,993		(X)		(X)		(X)
FOURTH QUARTER									
	Ammonia:								
3253111120	Synthetic, anhydrous (100 percent).....	b/	2,488,251	c/	792,290	c/	362,087	b/	436,721
3253111121	Fertilizer use.....	b/	2,134,350	b/	596,257	c/	279,656	b/	386,716
3253111131	Other uses.....	b/	353,901	c/	196,033	c/	82,431	c/	50,005
	Ammonium nitrate (100 percent):								
3253111201	Original melt liquor 2/.....	a/	1,927,389	c/	1,280,833	b/	326,576	c/	189,090
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		28,741		22,522		7,320		(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	1,070,801	b/	186,657	c/	85,210	b/	117,857
3253111221	High density prill and granular.....	b/	121,148		(D)		(D)		(D)
3253111226	Low density prill and grained.....	c/	583,142	c/	670,002	c/	158,647	b/	37,562
3253111231	All other (e.g., liquor sales, etc.).....	b/	123,557		(D)		(D)		(D)
3253111240	Ammonium sulfate (100 percent).....		538,835		313,251		60,993		337,230
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		19,365		(D)		(D)		(D)
3253111246	Byproduct		519,470		(D)		(D)		(D)
3253111250	Nitrogen solutions, including mixtures (100 percent N).....	b/	959,744	c/	693,193	c/	355,089	c/	315,161
3253111256	Ammonium nitrate/urea solutions.....	a/	908,746	b/	642,968	b/	342,813	a/	308,191
3253111251	All other solutions 3/.....	b/	50,998	c/	50,225	a/	12,276	b/	6,970
3253111111	Nitric acid (100 percent) 4/.....	b/	1,915,091	c/	631,400	c/	100,552		(X)
3253114101	Urea original melt liquor.....	a/	1,468,958	b/	537,016	b/	224,466	c/	208,374
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	707,396		(D)		(D)		(D)
3253114121	Prills.....		(D)		(D)		(D)	b/	51,460
3253114131	Granular.....		(D)		(D)	b/	119,351	b/	54,821
3253114141	All other (liquor sales, melamine, feedstock, other).....		(D)		(D)		(D)		(D)
3253121100	Phosphoric acid (100 percent P2O5).....		1,790,732		737,671		598,889		124,303
	By use:								
3253121211	Fertilizer.....		1,631,730	a/	620,021	a/	477,441		113,258
3253121221	Feed and other		159,002		117,650		121,448		11,045
	By grade:								

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production	Total shipments including interplant transfers				Stocks 1/	
				Quantity		Value			
3253121311	Ortho (less than 65 percent P2O5).....		1,584,452	523,035	a/	422,422		99,098	
3253121321	Super (more than 65 percent P2O5)		206,280	214,636		176,467		25,205	
3253124100	Superphosphate and other phosphatic fertilizer materials:								
	Gross weight.....		2,240,977	1,894,355		1,312,184		743,340	
	Nitrogen content.....		(X)	(X)		(X)		(X)	
	Phosphoric oxide content (100 percent P2O5).....		1,013,357	922,099		(X)		(X)	
3253124131	Monoammonium phosphates:								
	Gross weight.....		664,607	477,964		433,974		300,454	
	Nitrogen content.....		74,410	(X)		(X)		(X)	
	Phosphoric oxide content (100 percent P2O5).....		348,621	264,224		(X)		(X)	
3253124211	Diammonium phosphates:								
	Gross weight.....		1,434,613	1,280,796		792,609		(D)	
	Nitrogen content.....		250,639	(X)		(X)		(X)	
	Phosphoric oxide content (100 percent P2O5).....		620,042	621,247		(X)		(X)	
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/								
	Gross weight.....	a/	141,757	a/	135,595	a/	85,601	(D)	
	Nitrogen content.....		(X)		(X)		(X)	(X)	
	Phosphoric oxide content (100 percent P2O5).....		44,694	36,628		(X)		(X)	
3251881100	Sulfuric acid (100 percent): 4/								
	Total gross.....	a/	6,689,814	b/	3,114,756	b/	281,678	a/	503,913
	By feedstock:								
3251881111	Elemental sulfur.....	a/	5,266,641	c/	1,910,759	b/	185,341		(X)
3251881121	Smelting metallic sulfide ore.....		673,541	a/	680,431	a/	36,309		(X)
3251881131	Decomposition of alkylation and other spent acid.....	b/	608,212		(D)		(D)		(D)
3251881141	Other.....	a/	141,420		(D)		(D)		(X)
	By grade:								
3251881212	Oleum grades.....	a/	294,470	b/	204,248	b/	19,533	c/	30,581
3251881231	Other than oleum grades.....	a/	6,395,344	b/	2,910,508	b/	262,145	a/	473,332
3251881311	Spent acid fortified in contact units and included in above production data.....	a/	279,146		(X)		(X)		(D)
	Total new acid 6/.....		5,940,182		(X)		(X)		(X)
THIRD QUARTER									
	Ammonia:								
3253111120	Synthetic, anhydrous (100 percent).....	b/	2,618,782	c/	902,825	c/t/	446,537	b/t/	342,733
3253111121	Fertilizer use.....	b/	2,175,104	c/t/	747,678	c/t/	378,700	b/t/	301,819
3253111131	Other uses.....	b/t/	443,678	c/t/	155,147	c/t/	67,837	a/	40,914
	Ammonium nitrate (100 percent):								
3253111201	Original melt liquor 2/.....	a/	1,901,179	c/t/	1,371,900	b/t/	394,876	c/	161,560
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		35,428		38,467		14,013		2,347
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	1,075,505	b/t/	237,327	b/t/	124,864	c/	119,088
3253111221	High density prill and granular.....	b/	202,237		(D)		(D)		(D)
3253111226	Low density prill and grained.....	b/t/	493,282	c/t/	651,799	c/t/	160,772	b/t/	10,791
3253111231	All other (e.g., liquor sales, etc.).....	c/	94,727		(D)		(D)		(D)
3253111240	Ammonium sulfate (100 percent).....		680,552		(D)		(D)		186,335
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		(D)		(D)		(D)	a/	20,101
3253111246	Byproduct		(D)		(D)		(D)		166,234

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production	Total shipments including interplant transfers		Quantity	Value	Stocks 1/
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		926,795			859,457 r/	431,054	r/ 224,493
3253111256	Ammonium nitrate/urea solutions.....	a/	879,537	a/	806,667	b/r/	415,571	c/r/ 214,002
3253111251	All other solutions 3/.....	c/	47,258	c/r/	52,790	a/	15,483	c/ 10,491
3253111111	Nitric acid (100 percent) 4/.....	b/	1,937,908	c/	597,523	c/	97,360	(X)
3253114101	Urea original melt liquor.....	a/	1,341,001	b/r/	562,783	b/r/	281,248	b/r/ 109,831
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	649,023		(D)		(D)	(D)
3253114121	Prills.....	b/r/	212,683		(D)		(D)	a/r/ 35,205
3253114131	Granular.....		(D)	b/r/	239,547	c/r/	103,017	c/r/ 47,535
3253114141	All other (liquor sales, melamine, feedstock, other).....		(D)		(D)		(D)	(D)
3253121100	Phosphoric acid (100 percent P2O5).....		2,904,629	r/	1,115,329	r/	876,117	131,115
	By use:							
3253121211	Fertilizer.....		2,654,469	r/	954,748	r/	739,960	123,793
3253121221	Feed and other		250,160	r/	160,581	r/	136,157	7,322
	By grade:							
3253121311	Ortho (less than 65 percent P2O5).....		2,515,980	r/	738,142	r/	530,842	109,235
3253121321	Super (more than 65 percent P2O5)		388,649		377,187		345,275	21,880
3253124100	Superphosphate and other phosphatic fertilizer materials:							
	Gross weight.....		3,834,322		3,774,637	r/	2,618,209	534,129
	Nitrogen content.....		(X)		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		1,735,441		1,690,514		(X)	(X)
3253124131	Monoammonium phosphates:							
	Gross weight.....		1,112,593		1,114,280		1,000,302	107,329
	Nitrogen content.....		122,878		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		580,764		610,660		(X)	(X)
3253124211	Diammonium phosphates:							
	Gross weight.....		2,471,229		2,373,487	r/	1,409,792	(D)
	Nitrogen content.....		433,695		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		1,073,173		1,007,625		(X)	(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/							
	Gross weight.....	a/	250,500	b/	286,870	a/	208,115	(D)
	Nitrogen content.....		(X)		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		(D)		(D)		(X)	(X)
3251881100	Sulfuric acid (100 percent): 4/							
	Total gross.....	a/	9,707,810	b/r/	3,953,434	b/r/	374,845	b/ 412,025
	By feedstock:							
3251881111	Elemental sulfur.....	a/	8,238,475	c/r/	2,453,404	b/r/	271,306	(X)
3251881121	Smelting metallic sulfide ore.....	b/	721,639	a/	946,159	c/	46,287	(X)
3251881131	Decomposition of alkylation and other spent acid.....	a/r/	584,771		(D)		(D)	(D)
3251881141	Other.....	a/	162,925		(D)		(D)	(X)
	By grade:							
3251881212	Oleum grades.....	a/	390,840	b/r/	268,360	b/r/	23,285	c/r/ 44,912
3251881231	Other than oleum grades.....	a/	9,316,970	b/r/	3,685,074	b/r/	351,560	a/ 367,113
3251881311	Spent acid fortified in contact units and included in above production data.....	a/	227,581		(X)		(X)	(D)
	Total new acid 6/.....		8,960,114		(X)		(X)	(X)

SECOND QUARTER

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production		Total shipments including interplant transfers		Value		Stocks 1/
					Quantity				
	Ammonia:								
3253111120	Synthetic, anhydrous (100 percent).....	b/	2,709,313	c/	902,014	c/r/	431,589	b/r/	276,421
3253111121	Fertilizer use.....	b/	2,351,842	b/r/	793,210	c/r/	385,841	b/r/	263,887
3253111131	Other uses.....	c/r/	357,471	c/r/	108,804	c/r/	45,748	c/	12,534
	Ammonium nitrate (100 percent):								
3253111201	Original melt liquor 2/.....	a/	1,987,278	c/t/	1,450,125	b/t/	422,310	c/	152,311
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		41,161		44,639		17,289		(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	1,129,812	b/t/	272,365	b/t/	149,387	c/	106,464
3253111221	High density prill and granular.....	b/	191,697		(D)		(D)		(D)
3253111226	Low density prill and grained.....	c/r/	517,622	c/r/	698,083	c/r/	171,722	b/	15,723
3253111231	All other (e.g., liquor sales, etc.).....	c/r/	106,986		(D)		(D)	a/t/	25,514
3253111240	Ammonium sulfate (100 percent).....	c/	739,547		(D)		(D)	b/	141,892
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		(D)		(D)		(D)		(D)
3253111246	Byproduct		(D)		(D)		(D)		(D)
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		958,633	r/	796,001	r/	417,703		298,479
3253111256	Ammonium nitrate/urea solutions.....	a/	906,845	b/r/	741,990	b/r/	400,024	b/	282,051
3253111251	All other solutions 3/.....	b/	51,788	c/t/	54,011	a/	17,679	c/	16,428
3253111111	Nitric acid (100 percent) 4/.....	b/	2,066,673	c/	668,321	c/	109,795		(X)
3253114101	Urea original melt liquor.....	a/	1,483,566	b/t/	606,920	b/t/	277,140	b/t/	86,821
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	715,821		(D)		(D)		(D)
3253114121	Prills.....	b/t/	218,251		(D)		(D)	a/	17,078
3253114131	Granular.....		(D)	b/t/	256,919	c/t/	110,448	c/t/	46,948
3253114141	All other (liquor sales, melamine, feedstock, other).....		(D)		(D)		(D)		(D)
3253121100	Phosphoric acid (100 percent P2O5).....		2,738,884	r/	1,051,541	r/	603,827		119,123
	By use:								
3253121211	Fertilizer.....		2,501,416	r/	896,611	r/	476,539		113,386
3253121221	Feed and other		237,468	r/	154,930	r/	127,288		5,737
	By grade:								
3253121311	Ortho (less than 65 percent P2O5).....		2,426,578	r/	680,588	a/t/	321,384		103,723
3253121321	Super (more than 65 percent P2O5)		312,306		370,953		282,443		15,400
3253124100	Superphosphate and other phosphatic fertilizer materials:								
	Gross weight.....		3,771,184		3,722,186	r/	2,210,920		388,387
	Nitrogen content.....		(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		1,669,165		1,700,947		(X)		(X)
3253124131	Monoammonium phosphates:								
	Gross weight.....		1,168,871		1,232,521		942,996		(D)
	Nitrogen content.....		128,855		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		610,388		671,178		(X)		(X)
3253124211	Diammonium phosphates:								
	Gross weight.....		2,365,831		2,272,069	r/	1,158,611		248,246
	Nitrogen content.....		416,218		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		1,024,280		976,221		(X)		(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/								

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production		Total shipments including interplant transfers		Value		Stocks 1/
					Quantity				
	Gross weight.....		236,482		217,596		109,313		(D)
	Nitrogen content.....		(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		(D)		(D)		(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/								
	Total gross.....	a/	9,399,158	b/r/	3,373,509	b/r/	264,894	b/	457,398
	By feedstock:								
3251881111	Elemental sulfur.....		7,811,576	b/r/	1,938,703	b/r/	169,017		(X)
3251881121	Smelting metallic sulfide ore.....	b/	724,472	c/	808,550	c/	33,247		(X)
3251881131	Decomposition of alkylation and other spent acid.....	b/	657,989		(D)		(D)		(D)
3251881141	Other.....	a/	205,121		(D)		(D)		(X)
	By grade:								
3251881212	Oleum grades.....	b/	387,135	b/r/	302,561	b/	24,955	c/r/	34,403
3251881231	Other than oleum grades.....	a/	9,012,023	b/r/	3,070,948	a/r/	239,939	b/	422,995
3251881311	Spent acid fortified in contact units and included in above production data.....	a/	289,364		(X)		(X)		(D)
	Total new acid 6/.....		8,536,048		(X)		(X)		(X)
FIRST QUARTER									
	Ammonia:								
3253111120	Synthetic, anhydrous (100 percent).....	b/	2,733,820	c/	786,330	c/r/	363,128	b/r/	337,938
3253111121	Fertilizer use.....	b/	2,363,968	c/r/	653,012	c/r/	307,809	b/r/	317,664
3253111131	Other uses.....	b/r/	369,852	c/r/	133,318	c/r/	55,319	b/	20,274
	Ammonium nitrate (100 percent):								
3253111201	Original melt liquor 2/.....	a/	2,025,413	c/r/	1,239,384	b/r/	337,502	b/	174,377
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		31,949		36,140		12,384		(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	1,128,177	b/r/	180,120	c/r/	98,443	c/	110,122
3253111221	High density prill and granular.....	b/	201,205		(D)		(D)		(D)
3253111226	Low density prill and grained.....	b/r/	522,658	c/r/	629,432	c/r/	149,171	b/	27,123
3253111231	All other (e.g., liquor sales, etc.).....	c/r/	141,424		(D)		(D)		(D)
3253111240	Ammonium sulfate (100 percent).....		812,147		677,389		156,021		149,467
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		(D)		(D)		(D)	a/	35,771
3253111246	Byproduct		(D)		(D)		(D)		113,696
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		989,409	r/	681,823	r/	290,817	b/	321,076
3253111256	Ammonium nitrate/urea solutions.....	a/	936,883	a/r/	635,508	b/r/	277,373	b/	303,900
3253111251	All other solutions 3/.....	c/	52,526	b/r/	46,315	a/	13,444	c/	17,176
3253111111	Nitric acid (100 percent) 4/.....	b/	2,066,314	c/	604,320	c/	98,999		(X)
3253114101	Urea original melt liquor.....	a/	1,483,218	b/r/	549,959	b/r/	239,236	b/	93,155
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	725,618	r/	65,698	r/	26,117		(D)
3253114121	Prills.....		(D)		(D)		(D)	a/	23,772
3253114131	Granular.....		(D)		(D)	c/r/	111,216	c/	49,507
3253114141	All other (liquor sales, melamine, feedstock, other).....	a/r/	36,717		(D)		(D)		(D)
3253121100	Phosphoric acid (100 percent P2O5).....		2,723,483	r/	1,111,373	r/	513,292		121,167
	By use:								
3253121211	Fertilizer.....		2,487,373	r/	961,238	r/	425,095		113,832
3253121221	Feed and other		236,110	r/	150,135	r/	88,197		7,335
	By grade:								
3253121311	Ortho (less than 65 percent P2O5).....		2,375,074	r/	698,772	a/r/	277,251		103,619

Table 2a. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2008
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production	Total shipments including interplant transfers		Quantity	Value	Stocks 1/	
3253121321	Super (more than 65 percent P2O5)		348,409			412,601	236,041		17,548
3253124100	Superphosphate and other phosphatic fertilizer materials:								
	Gross weight.....		3,534,925			3,634,522	1,279,046		339,740
	Nitrogen content.....		(X)			(X)	(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		1,596,583			1,644,999	(X)		(X)
3253124131	Monoammonium phosphates:								
	Gross weight.....		1,230,923			1,207,829	512,395		(D)
	Nitrogen content.....		133,348			(X)	(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		634,173			631,890	(X)		(X)
3253124211	Diammonium phosphates:								
	Gross weight.....		2,062,924			2,171,632	687,948		153,396
	Nitrogen content.....		360,523			(X)	(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		886,468			941,930	(X)		(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/								
	Gross weight.....		241,078			255,061	78,703		(D)
	Nitrogen content.....		(X)			(X)	(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		75,942			71,179	(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/								
	Total gross.....	a/	9,895,566	b/r/	3,041,508	b/r/	178,397	b/	369,174
	By feedstock:								
3251881111	Elemental sulfur.....		8,535,010	b/r/	1,695,897	b/r/	104,223		(X)
3251881121	Smelting metallic sulfide ore.....	b/	665,639	c/	834,634	c/	32,077		(X)
3251881131	Decomposition of alkylation and other spent acid.....	a/	514,954		(D)		(D)		(D)
3251881141	Other.....	a/	179,963		(D)		(D)		(X)
	By grade:								
3251881212	Oleum grades.....	a/	446,415	b/r/	312,482	b/r/	20,970	c/t/	35,549
3251881231	Other than oleum grades.....		9,449,151	b/r/	2,729,026	a/t/	157,427	a/	333,625
3251881311	Spent acid fortified in contact units and included in above production data.....	a/	212,422		(X)		(X)		(D)
	Total new acid 6/.....		9,200,649		(X)		(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. (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/Solutions containing two or more products such as (a) ammonia, ammonium nitrate; (b) ammonia, urea; (c) ammonia, ammonium nitrate, urea.

4/Includes data for government-owned, contractor-operated plants.

5/Product code 3253124222 includes product codes 3253124111 and 3253124121.

6/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 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description	Total production	Total shipments including interplant transfers		Stocks 1/		
			Quantity	Value			
TOTAL							
Ammonia:							
3253111120	Synthetic, anhydrous (100 percent).....	11,455,944	3,511,222	1,243,632	(X)		
3253111121	Fertilizer use.....	10,209,950	3,146,712	1,136,208	(X)		
3253111131	Other uses.....	1,245,994	364,510	107,424	(X)		
Ammonium nitrate (100 percent):							
3253111201	Original melt liquor 2/.....	8,242,027	r/	4,884,658	r/	1,204,456	(X)
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....	151,514	166,144	37,531	(X)		
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	4,434,995	998,635	398,158	(X)		
3253111221	High density prill and granular.....	852,593	814,650	176,452	(X)		
3253111226	Low density prill and grained.....	2,162,355	2,370,333	518,915	(X)		
3253111231	All other (e.g., liquor sales, etc.).....	640,570	534,896	73,400	(X)		
3253111240	Ammonium sulfate (100 percent).....	3,144,751	2,342,366	396,631	(X)		
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....	341,398	197,103	27,868	(X)		
3253111246	Byproduct 3/.....	2,803,353	2,145,263	368,763	(X)		
3253111250	Nitrogen solutions, including mixtures (100 percent N).....	3,981,910	3,038,664	871,539	(X)		
3253111256	Ammonium nitrate/urea solutions.....	3,756,151	2,827,863	840,092	(X)		
3253111251	All other solutions 3/.....	225,759	210,801	31,447	(X)		
3253111111	Nitric acid (100 percent) 4/.....	8,628,018	2,904,374	418,135	(X)		
3253114101	Urea original melt liquor.....	6,168,411	r/	2,732,851	r/	916,574	(X)
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	3,004,700	r/	387,259	r/	130,018	(X)
3253114121	Prills.....	656,621	639,411	190,186	(X)		
3253114131	Granular.....	2,389,046	r/	1,570,993	r/	493,795	(X)
3253114141	All other (liquor sales, melamine, feedstock, other).....	118,044	135,188	102,575	(X)		
3253121100	Phosphoric acid (100 percent P2O5).....	12,080,965	r/	4,238,912	r/	1,385,373	(X)
By use:							
3253121211	Fertilizer.....	11,018,170	r/	3,578,092	r/	1,078,011	(X)
3253121221	Feed and other 6/.....	1,062,795	r/	660,820	r/	307,362	(X)
By grade:							
3253121311	Ortho (less than 65 percent P2O5).....	10,979,616	r/	2,997,034	r/	968,117	(X)
3253121321	Super (more than 65 percent P2O5) 6/.....	1,101,349	1,241,878	417,256	(X)		
3253124100	Superphosphate and other phosphatic fertilizer materials:						
	Gross weight.....	15,770,805	15,851,959	4,434,367	(X)		
	Nitrogen content.....	(X)	(X)	(X)	(X)		
	Phosphoric oxide content (100 percent P2O5).....	7,241,241	7,444,760	(X)	(X)		
3253124131	Monoammonium phosphates:						
	Gross weight.....	5,256,531	5,127,342	1,434,683	(X)		
	Nitrogen content.....	705,839	(X)	(X)	(X)		
	Phosphoric oxide content (100 percent P2O5).....	2,527,338	2,612,780	(X)	(X)		
3253124211	Diammonium phosphates:						
	Gross weight.....	9,351,266	9,552,335	2,664,482	(X)		
	Nitrogen content.....	1,696,362	(X)	(X)	(X)		
	Phosphoric oxide content (100 percent P2O5).....	4,155,219	4,290,001	(X)	(X)		
3253124222	Normal, enriched, concentrated, and other						

Table 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production		Total shipments including interplant transfers			Stocks 1/
					Quantity	Value		
	ammonium phosphates and other phosphatic fertilizer materials: 5/							
	Gross weight.....		1,163,008		1,172,282	335,202		(X)
	Nitrogen content.....		(X)		(X)	(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		558,684		541,979	(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/							
	Total gross.....		39,744,593		11,997,608	621,661		(X)
	By feedstock:							
3251881111	Elemental sulfur.....		33,723,824		6,966,762	356,921		(X)
3251881121	Smelting metallic sulfide ore.....		2,759,556		2,660,348	85,025		(X)
3251881131	Decomposition of alkylation and other spent acid.....		2,486,855		1,764,389	145,421		(X)
3251881141	Other.....		774,358		606,109	34,294		(X)
	By grade:							
3251881212	Oleum grades.....		1,640,403		1,150,699	56,636		(X)
3251881231	Other than oleum grades.....		38,104,190		10,846,909	565,025		(X)
3251881311	Spent acid fortified in contact units and included in above production data.....		1,198,180		(X)	(X)		(X)
	Total new acid 6/.....		36,483,380		(X)	(X)		(X)
FOURTH QUARTER								
	Ammonia:							
3253111120	Synthetic, anhydrous (100 percent).....	a/	2,767,454	b/	1,026,364	b/	400,174	a/r/ 227,993
3253111121	Fertilizer use.....	a/	2,412,294	a/	917,441	b/r/	366,766	a/r/ 206,904
3253111131	Other uses.....	b/	355,160	c/	108,923	c/	33,408	b/ 21,089
	Ammonium nitrate (100 percent):							
3253111201	Original melt liquor 2/.....		2,255,236	b/r/	1,402,672	b/r/	426,845	b/ 132,315
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		38,256		35,565		9,767	(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....		1,228,136	b/	395,661	b/	214,983	(D)
3253111221	High density prill and granular.....	(D)	(D)		(D)		(D)	(D)
3253111226	Low density prill and grained.....	b/	569,024	c/	617,680	b/	136,380	45,117
3253111231	All other (e.g., liquor sales, etc.).....	(D)	(D)		(D)		(D)	c/ 12,715
3253111240	Ammonium sulfate (100 percent).....		857,272		561,728		118,122	174,882
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		(D)		(D)		(D)	19,041
3253111246	Byproduct 3/.....		(D)		(D)		(D)	155,841
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		961,674		738,382		234,682	r/ 143,624
3253111256	Ammonium nitrate/urea solutions.....	a/	894,814	a/	677,809		223,130	r/ 133,079
3253111251	All other solutions 3/.....	a/	66,860		60,573		11,552	10,545
3253111111	Nitric acid (100 percent) 4/.....	a/	2,658,867	b/	1,028,452	b/	148,242	(X)
3253114101	Urea original melt liquor.....	a/	1,559,965	b/r/	607,361	b/r/	212,369	a/ 84,884
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....		843,116		(D)		(D)	b/ 10,093
3253114121	Prills.....	b/	155,832		(D)		(D)	(D)
3253114131	Granular.....	(D)	(D)	a/r/	318,869	a/r/	103,738	a/ 45,715
3253114141	All other (liquor sales, melamine, feedstock, other).....	(D)	(D)		(D)		(D)	(D)
3253121100	Phosphoric acid (100 percent P2O5).....		3,056,292	r/	1,195,016	r/	432,048	122,464
	By use:							
3253121211	Fertilizer.....	b/	2,795,818	r/	1,029,726	r/	352,934	b/ 114,053

Table 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description	Total production		Total shipments including interplant transfers		Value		Stocks 1/
				Quantity				
3253121221	Feed and other 6/.....	260,474	r/	165,290	r/	79,114		8,411
	By grade:							
3253121311	Ortho (less than 65 percent P2O5).....	2,775,883	r/	864,272	r/	312,204		105,436
3253121321	Super (more than 65 percent P2O5) 6/.....	280,409		330,744		119,844		17,028
3253124100	Superphosphate and other phosphatic fertilizer materials:							
	Gross weight.....	3,722,912		3,735,125		1,219,904		431,245
	Nitrogen content.....	(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....	1,652,217		1,691,117		(X)		(X)
3253124131	Monoammonium phosphates:							
	Gross weight.....	b/ 1,244,870	b/	1,204,019	b/	391,345		(D)
	Nitrogen content.....	c/ 168,691		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....	b/ 605,286		(D)		(X)		(X)
3253124211	Diammonium phosphates:							
	Gross weight.....	b/ 2,226,487	b/	2,262,140	b/	729,050	a/	243,582
	Nitrogen content.....	b/ 388,923		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....	b/ 951,686	b/	982,622		(X)		(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/							
	Gross weight.....	251,555		268,966		99,509		(D)
	Nitrogen content.....	(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....	95,245		(D)		(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/							
	Total gross.....	b/ 10,405,728	a/	3,130,047	b/	164,523	a/	387,840
	By feedstock:							
3251881111	Elemental sulfur.....	b/ 8,875,288	b/	1,899,674	b/	96,590		(X)
3251881121	Smelting metallic sulfide ore.....	669,664		650,951	a/	22,111		(X)
3251881131	Decomposition of alkylation and other spent acid.....	a/ 653,597	a/	420,901	a/	36,936		(D)
3251881141	Other.....	b/ 207,179	b/	158,521	b/	8,886		(X)
	By grade:							
3251881212	Oleum grades.....	508,514	a/	357,099	a/	18,942	b/	37,099
3251881231	Other than oleum grades.....	b/ 9,897,214	a/	2,772,948	a/	145,581	a/	350,741
3251881311	Spent acid fortified in contact units and included in above production data.....	a/ 246,017		(X)		(X)		(D)
	Total new acid 6/.....	9,544,952		(X)		(X)		(X)
THIRD QUARTER								
	Ammonia:							
3253111120	Synthetic, anhydrous (100 percent).....	a/ 2,829,223	a/	869,720	a/	340,352	a/r/	353,005
3253111121	Fertilizer use.....	a/ 2,578,807		776,466		313,680	a/r/	328,970
3253111131	Other uses.....	b/ 250,416	c/	93,254	c/	26,672	a/	24,035
	Ammonium nitrate (100 percent):							
3253111201	Original melt liquor 2/.....	1,900,294	b/r/	1,126,526	b/r/	285,355	b/	146,858
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....	36,632		37,428		8,380		(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/ 1,017,738	b/	207,022	c/	94,806	a/	85,109
3253111221	High density prill and granular.....	(D)		(D)		(D)		(D)
3253111226	Low density prill and grained.....	b/ 534,674	c/	592,740	b/	131,076	b/	35,037
3253111231	All other (e.g., liquor sales, etc.).....	(D)		(D)		(D)	b/	13,018
3253111240	Ammonium sulfate (100 percent).....	759,887		534,091		92,902		152,175

Table 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production		Total shipments including interplant transfers		Value	Stocks 1/
					Quantity			
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....	(D)	(D)		(D)		(D)	18,886
3253111246	Byproduct 3/.....	(D)	(D)		(D)		(D)	133,289
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		962,033		726,190		224,147	148,451
3253111256	Ammonium nitrate/urea solutions.....		908,937		680,850		217,614	(D)
3253111251	All other solutions 3/.....		53,096		45,340		6,533	(D)
3253111111	Nitric acid (100 percent) 4/.....	b/	1,938,998	c/	670,631	c/	97,193	(X)
3253114101	Urea original melt liquor.....	a/	1,541,006	b/r/	783,865	b/r/	259,684	a/ 134,943
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	713,850	r/	104,332	r/	33,815	(D)
3253114121	Prills.....		(D)		(D)		(D)	(D)
3253114131	Granular.....		635,176	a/r/	477,169	a/r/	152,493	94,434
3253114141	All other (liquor sales, melamine, feedstock, other).....		(D)		(D)		(D)	(D)
3253121100	Phosphoric acid (100 percent P2O5).....		3,076,073	r/	1,018,079	r/	326,562	174,959
3253121211	By use: Fertilizer.....		2,801,867	a/r/	852,158	a/r/	249,688	169,267
3253121221	Feed and other 6/.....		274,206	r/	165,921	r/	76,874	5,692
3253121311	By grade: Ortho (less than 65 percent P2O5).....	a/	2,806,037	b/r/	710,260	b/r/	228,317	152,944
3253121321	Super (more than 65 percent P2O5) 6/.....		270,036		307,819		98,245	22,015
3253124100	Superphosphate and other phosphatic fertilizer materials:							
	Gross weight.....		4,140,726		4,137,520		1,360,412	480,224
	Nitrogen content.....		(X)		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		1,928,448		1,976,287		(X)	(X)
3253124131	Monoammonium phosphates:							
	Gross weight.....		1,351,007	a/	1,395,695		446,338	(D)
	Nitrogen content.....	b/	178,357		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....	a/	657,819		(D)		(X)	(X)
3253124211	Diammonium phosphates:							
	Gross weight.....		2,562,855		2,530,064		842,308	302,720
	Nitrogen content.....		459,354		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		1,159,778		1,143,723		(X)	(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/							
	Gross weight.....	a/	226,864	a/	211,761		71,766	(D)
	Nitrogen content.....		(X)		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....	b/	110,851		(D)		(X)	(X)
3251881100	Sulfuric acid (100 percent): 4/							
	Total gross.....	a/	10,163,990	b/	3,093,089	b/	159,566	376,956
	By feedstock:							
3251881111	Elemental sulfur.....	a/	8,578,769	b/	1,798,926	b/	93,408	(X)
3251881121	Smelting metallic sulfide ore.....	b/	712,114	b/	673,256	c/	20,039	(X)
3251881131	Decomposition of alkylation and other spent acid.....	a/	674,313	a/	464,395	a/	37,389	(D)
3251881141	Other.....	b/	198,794	b/	156,512	b/	8,730	(X)
	By grade:							
3251881212	Oleum grades.....	a/	376,711	a/	285,087	b/	11,964	27,577
3251881231	Other than oleum grades.....	a/	9,787,279	a/	2,808,002	b/	147,602	349,379
3251881311	Spent acid fortified in contact units and							

Table 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production	Total shipments including interplant transfers		Quantity	Value	Stocks 1/
	included in above production data.....	a/	261,567			(X)	(X)	(D)
	Total new acid 6/.....		9,290,883			(X)	(X)	(X)
SECOND QUARTER								
	Ammonia:							
3253111120	Synthetic, anhydrous (100 percent).....	a/	2,964,164	a/	837,974	a/	269,632	298,034
3253111121	Fertilizer use.....	a/	2,663,036		758,473		246,225	a/ 268,280
3253111131	Other uses.....	a/	301,128		79,501		23,407	29,754
	Ammonium nitrate (100 percent):							
3253111201	Original melt liquor 2/.....		2,034,158	b/r/	1,185,960	b/r/	255,096	b/ 141,820
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		(D)		48,221		9,803	(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	1,090,563	b/	204,216	b/	48,187	b/ 78,284
3253111221	High density prill and granular.....		(D)		(D)		(D)	(D)
3253111226	Low density prill and grained.....	b/	518,468	b/	585,716	b/	128,295	46,273
3253111231	All other (e.g., liquor sales, etc.).....	b/	173,246		(D)		(D)	a/ 9,146
3253111240	Ammonium sulfate (100 percent).....		749,047		614,840		100,499	69,413
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		(D)		(D)		(D)	15,176
3253111246	Byproduct 3/.....		(D)		(D)		(D)	54,237
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		1,018,005		839,947		239,001	125,048
3253111256	Ammonium nitrate/urea solutions.....	a/	966,048		788,284		232,012	115,523
3253111251	All other solutions 3/.....		51,957		51,663		6,989	9,525
3253111111	Nitric acid (100 percent) 4/.....	b/	1,968,748	c/	614,073	c/	89,339	(X)
3253114101	Urea original melt liquor.....	a/	1,590,314	b/r/	665,572	b/r/	227,993	90,044
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	732,463	r/	97,612	r/	33,453	(D)
3253114121	Prills.....	a/	164,115		(D)		(D)	24,907
3253114131	Granular.....		662,094	a/r/	388,704	a/r/	125,673	39,179
3253114141	All other (liquor sales, melamine, feedstock, other).....		31,642		(D)		(D)	(D)
3253121100	Phosphoric acid (100 percent P2O5).....		2,975,421	r/	975,214	r/	317,653	185,109
	By use:							
3253121211	Fertilizer.....		2,702,007	a/r/	801,124	a/r/	237,032	179,524
3253121221	Feed and other 6/.....		273,414	r/	174,090	r/	80,621	5,585
	By grade:							
3253121311	Ortho (less than 65 percent P2O5).....		2,706,835	a/r/	657,904	a/r/	211,825	166,983
3253121321	Super (more than 65 percent P2O5) 6/.....		268,586		317,310		105,828	18,126
3253124100	Superphosphate and other phosphatic fertilizer materials:							
	Gross weight.....		3,925,261		3,853,264		1,014,864	413,887
	Nitrogen content.....		(X)		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		1,819,696		1,825,552		(X)	(X)
3253124131	Monoammonium phosphates:							
	Gross weight.....	a/	1,456,700		1,424,707		349,157	132,225
	Nitrogen content.....		198,446		(X)		(X)	(X)
	Phosphoric oxide content (100 percent P2O5).....		725,501		(D)		(X)	(X)
3253124211	Diammonium phosphates:							
	Gross weight.....		2,217,244		2,175,858		597,587	248,901
	Nitrogen content.....		423,159		(X)		(X)	(X)

Table 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description	Total shipments including interplant transfers							
		Total production			Quantity		Value		Stocks 1/
3253124222	Phosphoric oxide content (100 percent P2O5).....		960,908		972,316		(X)		(X)
	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/								
	Gross weight.....		251,317	a/	252,699		68,120		(D)
	Nitrogen content.....		(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		133,287		(D)		(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/								
	Total gross.....	a/	9,518,666	b/	2,997,900	b/	153,082	a/	437,223
	By feedstock:								
3251881111	Elemental sulfur.....	a/	7,958,889	b/	1,731,325	c/	86,058		(X)
3251881121	Smelting metallic sulfide ore.....	b/	720,448	b/	670,327	c/	21,646		(X)
3251881131	Decomposition of alkylation and other spent acid.....		643,536	a/	449,091	a/	37,026		(D)
3251881141	Other.....	b/	195,793	b/	147,157	b/	8,352		(X)
	By grade:								
3251881212	Oleum grades.....		355,788	a/	246,908	b/	12,577	a/	35,080
3251881231	Other than oleum grades.....	a/	9,162,878	a/	2,750,992	b/	140,505	a/	402,143
3251881311	Spent acid fortified in contact units and included in above production data.....	a/	281,241		(X)		(X)		(D)
	Total new acid 6/.....		8,679,337		(X)		(X)		(X)
FIRST QUARTER									
	Ammonia:								
3253111120	Synthetic, anhydrous (100 percent).....	b/	2,895,103	a/	777,164	b/	233,474	a/	297,145
3253111121	Fertilizer use.....	a/	2,555,813	a/	694,332	a/	209,537	a/	269,277
3253111131	Other uses.....	a/	339,290		82,832		23,937		27,868
	Ammonium nitrate (100 percent):								
3253111201	Original melt liquor 2/.....		2,052,339	b/r/	1,169,500	b/r/	237,160	b/	172,849
3253111211	Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN).....		(D)		44,930		9,581		(D)
3253111216	Liquor consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	1,098,558	b/	191,736	b/	40,182		(D)
3253111221	High density prill and granular.....		(D)		(D)		(D)		(D)
3253111226	Low density prill and grained.....	b/	540,189	b/	574,197	b/	123,164	b/	57,350
3253111231	All other (e.g., liquor sales, etc.).....	c/	165,529		(D)		(D)	a/	25,859
3253111240	Ammonium sulfate (100 percent).....		778,545		631,707		85,108	a/	90,228
3253111241	Synthetic (direct synthesis from sulfuric acid and ammonia).....		(D)		(D)		(D)		23,988
3253111246	Byproduct 3/.....		(D)		(D)		(D)	a/	66,240
3253111250	Nitrogen solutions, including mixtures (100 percent N).....		1,040,198		734,145		173,709		183,994
3253111256	Ammonium nitrate/urea solutions.....		986,352		680,920		167,336		(D)
3253111251	All other solutions 3/.....		53,846		53,225		6,373		(D)
3253111111	Nitric acid (100 percent) 4/.....	b/	2,061,405	c/	591,218	c/	83,361		(X)
3253114101	Urea original melt liquor.....	a/	1,477,126	a/r/	676,053	a/r/	216,528	b/	83,736
3253114111	Consumed in the manufacture of urea-ammonium nitrate solutions.....	a/	715,271		(D)		(D)		(D)
3253114121	Prills.....		(D)		(D)		(D)		(D)
3253114131	Granular.....		(D)	r/	386,251	a/r/	111,891		36,923
3253114141	All other (liquor sales, melamine, feedstock, other).....		(D)		(D)		(D)		(D)

Table 2b. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2007
[Quantity in short tons. Value in thousands of dollars]

Product code	Product description		Total production		Total shipments including interplant transfers		Value		Stocks 1/
					Quantity				
3253121100	Phosphoric acid (100 percent P2O5).....		2,973,179	r/	1,050,603	r/	309,110		146,963
	By use:								
3253121211	Fertilizer.....	a/	2,718,478	b/r/	895,084	b/r/	238,357	a/	138,823
3253121221	Feed and other 6/.....		254,701	r/	155,519	r/	70,753		8,140
	By grade:								
3253121311	Ortho (less than 65 percent P2O5).....	a/	2,690,861	c/r/	764,598	c/r/	215,771	a/	126,559
3253121321	Super (more than 65 percent P2O5) 6/.....		282,318		286,005		93,339		20,404
3253124100	Superphosphate and other phosphatic fertilizer materials:								
	Gross weight.....		3,981,906		4,126,050		839,187		364,439
	Nitrogen content.....		(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		1,840,880		1,951,804		(X)		(X)
3253124131	Monoammonium phosphates:								
	Gross weight.....	a/	1,203,954	a/	1,102,921	a/	247,843		116,741
	Nitrogen content.....		160,345		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....	a/	538,732		(D)		(X)		(X)
3253124211	Diammonium phosphates:								
	Gross weight.....		2,344,680		2,584,273		495,537		186,748
	Nitrogen content.....		424,926		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....		1,082,847		1,191,340		(X)		(X)
3253124222	Normal, enriched, concentrated, and other ammonium phosphates and other phosphatic fertilizer materials: 5/								
	Gross weight.....	a/	433,272	a/	438,856		95,807		60,950
	Nitrogen content.....		(X)		(X)		(X)		(X)
	Phosphoric oxide content (100 percent P2O5).....	b/	219,301		(D)		(X)		(X)
3251881100	Sulfuric acid (100 percent): 4/								
	Total gross.....	a/	9,656,209	b/	2,776,572	b/	144,490	a/	511,639
	By feedstock:								
3251881111	Elemental sulfur.....	a/	8,310,878	b/	1,536,837	c/	80,865		(X)
3251881121	Smelting metallic sulfide ore.....		657,330		665,814	a/	21,229		(X)
3251881131	Decomposition of alkylation and other spent acid.....	a/	515,409	a/	430,002	a/	34,070		(D)
3251881141	Other.....	a/	172,592	b/	143,919	b/	8,326		(X)
	By grade:								
3251881212	Oleum grades.....	b/	399,390	a/	261,605	b/	13,153	b/	37,189
3251881231	Other than oleum grades.....	a/	9,256,819	a/	2,514,967	a/	131,337	a/	474,450
3251881311	Spent acid fortified in contact units and included in above production data.....	b/	409,355		(X)		(X)		(D)
	Total new acid 6/.....		8,968,208		(X)		(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. (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/Solutions containing two or more products such as (a) ammonia, ammonium nitrate; (b) ammonia, urea; (c) ammonia, ammonium nitrate, urea.

4/Includes data for government-owned, contractor-operated plants.

5/Product code 3253124222 includes product codes 3253124111 and 3253124121.

6/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. Quantity of Production, Exports, Imports, and Apparent Consumption of Fertilizers and Related Chemicals: 2008 and 2007
[Quantity in thousands of metric tons]

Product code	Product description	Production	Exports of domestic merchandise 1/	Percent exports to production	Imports for consumption 2/	Apparent consumption 3/	Percent imports to apparent consumption
2008							
3253111120	Ammonia, synthetic anhydrous.....	9,570.9	N/A	N/A	7,318.8	N/A	N/A
3253111201	Ammonium nitrate, original solution.....	7,113.5	N/A	N/A	707.0	N/A	N/A
3253111250	Nitrogen solutions, ammonium nitrate/urea solutions.....	3,478.7	N/A	N/A	6,949.5	N/A	N/A
3253111240	Ammonium sulfate.....	2,513.9	N/A	N/A	395.1	N/A	N/A
3253114101	Urea.....	5,240.6	N/A	N/A	5,459.3	N/A	N/A
3253121100	Phosphoric acid.....	9,214.9	N/A	N/A	125.3	N/A	N/A
3253124211	Diammonium phosphates.....	7,561.0	N/A	N/A	30.6	N/A	N/A
3251881100	Sulfuric acid, gross.....	32,379.6	261.7	0.8	5,182.9	37,300.8	13.9
2007							
3253111120	Ammonia, synthetic anhydrous.....	10,392.7	N/A	N/A	7,939.6	N/A	N/A
3253111201	Ammonium nitrate, original solution.....	7,477.0	N/A	N/A	1,107.2	N/A	N/A
3253111250	Nitrogen solutions, ammonium nitrate/urea solutions.....	3,612.3	N/A	N/A	3,201.7	N/A	N/A
3253111240	Ammonium sulfate.....	2,852.9	N/A	N/A	404.7	N/A	N/A
3253114101	Urea.....	5,595.9	N/A	N/A	6,546.4	N/A	N/A
3253121100	Phosphoric acid.....	10,959.7	N/A	N/A	578.6	N/A	N/A
3253124211	Diammonium phosphates.....	8,483.3	N/A	N/A	14.7	N/A	N/A
3251881100	Sulfuric acid, gross.....	36,055.7	336.4	0.9	2,620.4	38,339.7	6.8

N/A Not available.

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.

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

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2008

Product code	Product description	Export code 1/	Import code 2/
3253111120	Anhydrous ammonia, synthetic.....	2814.10.0000	2814.10.0000
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
3253114101	Urea.....	3102.10.0000	3102.10.0000
3253121100	Phosphoric acid.....	2809.20.0010	2809.20.0010
		2809.20.0020	2809.20.0020
		2809.20.0030	2809.20.0030
3253124111	Normal and enriched superphosphates.....	3103.10.0010	3103.10.0010
3253124121	Concentrated superphosphates.....	3103.10.0020	3103.10.0020
3253124211	Diammonium phosphates.....	3105.30.0000	3105.30.0000
3251881100	Sulfuric acid.....	2807.00.0000	2807.00.0000

1/Source: 2008 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Harmonized Tariff Schedule of the United States, Annotated (2008).

Historical Note

The Census Bureau has collected data on inorganic fertilizer chemicals and sulfuric acid since 1941.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.