

U.S. Census Bureau  
Fertilizers and Related Chemicals - 2009  
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Table 1. Summary of Production of Principal Fertilizers and Related Chemicals: 2009 and 2008  
[1,000 of short tons]

Product code	Product description	Year and quarter	Total Production		
325311120	Ammonia, synthetic anhydrous (100 percent)	<b>2009</b>			
		Total	a/ 10,330		
		Fourth quarter	a/ 2,735		
		Third quarter	a/ 2,712		
		Second quarter	a/ 2,679		
		First quarter	a/ 2,205		
		<b>2008</b>			
		Total	b/ 10,549		
		Fourth quarter	b/ 2,488		
		Third quarter	b/ 2,618		
		Second quarter	c/ 2,709		
		First quarter	b/ 2,734		
		325311201	Ammonium nitrate, original melt liquor	<b>2009</b>	
				Total	b/ 6,943
Fourth quarter	b/ 1,902				
Third quarter	a/ 1,818				
Second quarter	a/ 1,762				
First quarter	b/ 1,461				
<b>2008</b>					
Total	a/ 7,841				
Fourth quarter	a/ 1,927				
Third quarter	a/ 1,901				
Second quarter	a/ 1,987				
First quarter	a/ 2,025				
325311240	Ammonium sulfate (100 percent)			<b>2009</b>	
				Total	a/ 2,499
		Fourth quarter	a/ 566		
		Third quarter	a/ 655		
		Second quarter	a/ 626		
		First quarter	652		
		<b>2008</b>			
		Total	2,783		
		Fourth quarter	551		
		Third quarter	681		
		Second quarter	(S)		
		First quarter	812		
		325311111	Nitric acid (100 percent)	<b>2009</b>	
				Total	a/ 6,531
Fourth quarter	a/r/ 1,881				
Third quarter	a/ 1,833				
Second quarter	a/ 1,518				
First quarter	a/r/ 1,298				
<b>2008</b>					
Total	c/ 7,370				
Fourth quarter	c/r/ 1,766				
Third quarter	c/r/ 1,787				

Product code	Product description	Year and quarter	Total Production		
3253114101	Urea original melt liquor (100 percent)	Second quarter	c/r/ 1,905		
		First quarter	c/r/ 1,911		
		<b>2009</b>			
		Total	a/ 5,604		
		Fourth quarter	a/ 1,478		
		Third quarter	a/ 1,384		
		Second quarter	a/ 1,453		
		First quarter	a/ 1,289		
		<b>2008</b>			
		Total	b/ 5,776		
		Fourth quarter	b/ 1,469		
		Third quarter	b/ 1,341		
		Second quarter	b/ 1,484		
		First quarter	b/ 1,483		
3253121111	Phosphoric acid (100 percent P2O5)	<b>2009</b>			
		Total	9,542		
		Fourth quarter	2,504		
		Third quarter	2,727		
		Second quarter	2,381		
		First quarter	1,930		
		<b>2008</b>			
		Total	10,158		
		Fourth quarter	1,791		
		Third quarter	2,905		
		Second quarter	2,739		
		First quarter	2,723		
		3253124102	Superphosphate and other phosphatic fertilizer materials, Phosphoric oxide content (100 percent P2O5)	<b>2009</b>	
				Total	6,142
Fourth quarter	1,665				
Third quarter	1,733				
Second quarter	1,519				
First quarter	r/ 1,225				
<b>2008</b>					
Total	6,014				
Fourth quarter	1,012				
Third quarter	1,735				
Second quarter	1,669				
First quarter	1,597				
3251881100	Sulfuric acid (100 percent)			<b>2009</b>	
				Total	32,126
		Fourth quarter	8,452		
		Third quarter	9,108		
		Second quarter	8,012		
		First quarter	6,555		
		<b>2008</b>			
		Total	a/ 34,855		
		Fourth quarter	a/ 6,468		
		Third quarter	a/ 9,488		

Product code	Product description	Year and quarter	Total Production
		Second quarter	a/ 9,179
		First quarter	a/ 9,721

Note: Detail may not add to total due to independent rounding.

Table 2. Production, Shipments, Consumption, and Stocks of Fertilizers and Related Chemicals: 2009 and 2008  
 [Quantity in short tons. Value in thousands of dollars]

Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/				
3253111120	Ammonia, synthetic, anhydrous (100 percent)	Total	a/	10,330,420	a/	3,286,663	a/	1,080,817	(X)		
		Fourth quarter 2009	15	a/	2,734,944	a/t/	827,772	a/	248,405	a/t/	224,563
		Third quarter 2009	15	a/	2,712,414	a/t/	706,234	b/	209,359	t/	223,111
		Second quarter 2009	15	a/	2,678,515	a/t/	916,245	a/	350,583	t/	270,114
		First quarter 2009	15	a/	2,204,547	b/	836,412	b/	272,470	t/	273,762
		Total	b/	10,549,166	(S)	(S)	(S)	(X)			
		Fourth quarter 2008	b/	2,488,008	(S)	(S)	c/t/	404,791			
		Third quarter 2008	b/	2,618,477	(S)	(S)	c/t/	322,740			
		Second quarter 2008	c/	2,709,093	(S)	(S)	c/t/	259,118			
		First quarter 2008	b/	2,733,588	(S)	(S)	c/t/	318,587			
3253111121	Ammonia, fertilizer use	Total		8,675,072	2,708,122	909,460	(X)				
		Fourth quarter 2009	13		2,319,387	r/	705,811	r/	212,631	r/	168,952
		Third quarter 2009	13		2,280,714	r/	552,191	r/	166,881	r/	174,682
		Second quarter 2009	13		2,298,061	r/	808,733	317,794	r/	200,628	
		First quarter 2009	13		1,776,910	r/	641,387	212,154	r/	253,028	
		Total	b/	9,025,264	(S)	(S)	(X)				
		Fourth quarter 2008	b/	2,134,350	c/	595,871	(S)	c/t/	354,786		
		Third quarter 2008	b/	2,175,104	(S)	(S)	c/t/	281,826			
		Second quarter 2008	b/	2,351,842	(S)	(S)	c/t/	246,584			
		First quarter 2008	b/	2,363,968	(S)	(S)	c/t/	298,313			
3253111131	Ammonia, other uses	Total	a/	1,655,348	c/	578,541	c/	171,357	(X)		
		Fourth quarter 2009	5	a/t/	415,557	c/	121,961	c/t/	35,774	r/	55,611
		Third quarter 2009	5	a/	431,700	c/	154,043	c/t/	42,478		48,429
		Second quarter 2009	5	a/	380,454	c/	107,512	c/t/	32,789		69,486
		First quarter 2009	5	a/	427,637	c/	195,025	c/	60,316		20,734
		Total	c/	1,523,902	(S)	(S)	(X)				
		Fourth quarter 2008	c/	353,658	(S)	(S)	(S)				
		Third quarter 2008	b/	443,373	(S)	(S)	a/	40,914			
		Second quarter 2008	(S)	(S)	(S)	(S)					
		First quarter 2008	c/	369,620	(S)	(S)	c/	20,274			
3253111201	Ammonium nitrate (100 percent), original melt liquor 2/	Total	b/	6,943,395	c/	4,602,610	c/	893,743	(X)		
		Fourth quarter 2009	13	b/	1,902,434	(S)	c/t/	237,731	b/	105,460	
		Third quarter 2009	13	a/	1,817,538	(S)	c/	241,209	b/	119,934	
		Second quarter 2009	13	a/	1,762,152	c/	1,184,594	c/	230,334	b/	155,870
		First quarter 2009	13	b/	1,461,271	c/	935,847	c/t/	184,469	b/	193,067
		Total	a/	7,841,259	(S)	c/	1,481,264	(X)			
		Fourth quarter 2008	a/	1,927,389	(S)	c/	326,576	c/	189,090		
		Third quarter 2008	a/	1,901,179	(S)	c/	394,876	(S)			
		Second quarter 2008	a/	1,987,278	(S)	c/	422,310	(S)			
		First quarter 2008	a/	2,025,413	(S)	c/	337,502	c/	174,377		
3253111211	Ammonium nitrate (100 percent), consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, ANN)	Total		137,123	138,165	44,958	(X)				
		Fourth quarter 2009	4		28,179	(D)	(D)				
		Third quarter 2009	4		37,932	39,391	12,447	(D)			
		Second quarter 2009	4		35,668	41,600	13,464	(D)			
		First quarter 2009	4		35,344	(D)	(D)				
		Total		137,279	141,768	51,006	(X)				
		Fourth quarter 2008		28,741	22,522	7,320	(D)				
		Third quarter 2008		35,428	38,467	14,013	a/	2,347			
		Second quarter 2008		41,161	44,639	17,289	(D)				
		First quarter 2008		31,949	36,140	12,384	(D)				
3253111216	Ammonium nitrate (100 percent), liquor consumed in the manufacture of urea-ammonium nitrate solutions	Total		3,935,532	771,969	202,289	(X)				
		Fourth quarter 2009	7	b/t/	1,112,606	r/	202,178	r/	48,132	a/t/	40,175
		Third quarter 2009	7		1,032,189	187,050	40,874	a/	57,146		
		Second quarter 2009	7	r/	988,754	226,856	67,613	a/	95,166		
		First quarter 2009	7	r/	801,983	155,885	45,670	a/	126,434		
		Total	a/	4,404,295	c/	876,469	c/	457,904	(X)		
		Fourth quarter 2008	a/	1,070,801	c/	186,657	(S)	c/	117,857		
		Third quarter 2008	b/	1,075,505	c/	237,327	c/	124,864	(S)		
		Second quarter 2008	a/	1,129,812	c/	272,365	c/	149,387	(S)		
		First quarter 2008	a/	1,128,177	b/	180,120	(S)	(S)			
3253111221	Ammonium nitrate (100 percent), high density prill and granular	Total	b/	689,929	(D)	(D)	(X)				
		Fourth quarter 2009	4	b/t/	191,535	(D)	(D)				
		Third quarter 2009	4	b/t/	170,514	(D)	(D)				
		Second quarter 2009	4	b/t/	201,206	(D)	(D)				
		First quarter 2009	4	b/t/	126,674	(D)	(D)				
		Total	c/	716,287	(D)	(D)	(X)				
		Fourth quarter 2008	c/	121,148	(D)	(D)	(D)				
		Third quarter 2008	c/	202,237	(D)	(D)	(D)				
		Second quarter 2008	c/	191,697	(D)	(D)	(D)				
		First quarter 2008	c/	201,205	(D)	(D)	(D)				
3253111226	Ammonium nitrate (100 percent), low density prill and grained	Total	b/	1,808,950	c/	2,116,562	b/	407,933	(X)		

Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/
		Fourth quarter 2009	7 b/	448,773 c/	606,302 c/	127,349	23,391
		Third quarter 2009	7 b/	487,013 c/	621,870 b/	127,908	27,014
		Second quarter 2009	7 b/	452,807 b/	466,503 b/	81,278	27,861
		First quarter 2009	7 b/	420,357 b/	421,887 b/	71,398	32,694
		Total	c/	2,116,704	(S)	(S)	(X)
		Fourth quarter 2008	c/	583,142 c/	670,002 c/	158,647 c/	37,562
		Third quarter 2008	(S)	(S)	(S)	c/	10,791
		Second quarter 2008	(S)	(S)	(S)	c/	15,723
		First quarter 2008	(S)	(S)	(S)	c/	27,123
3253111231	Ammonium nitrate (100 percent), all other (e.g., liquor sales, production loss, other)	Total	b/	371,861	(D)	(D)	(X)
		Fourth quarter 2009	9 b/	121,341	(S) c/	20,520	28,025
		Third quarter 2009	9 b/	89,890	(D)	(D)	(D)
		Second quarter 2009	9 b/	83,717	(D)	(D)	(D)
		First quarter 2009	9 b/	76,913	(D)	(D)	(D)
		Total	(S)	(D)	(D)	(D)	(X)
		Fourth quarter 2008	c/	123,557	(D)	(D)	(D)
		Third quarter 2008	(S)	(D)	(D)	(D)	(D)
		Second quarter 2008	(S)	(D)	(D)	(D)	(D)
		First quarter 2008	(S)	(D)	(D)	(D)	(D)
3253111240	Ammonium sulfate (synthetic and byproduct, other than coke oven), total (100 percent)	Total	a/	2,499,295	1,795,138	274,533	(X)
		Fourth quarter 2009	9 a/	566,201 r/	517,278 r/	75,528	136,829
		Third quarter 2009	8 a/	654,680	474,209	70,071 a/	188,168
		Second quarter 2009	9 a/	625,927	571,845	93,160	103,850
		First quarter 2009	9	652,487	231,806	35,774	251,981
		Total	(S)	2,783,481	2,175,829	578,588	(X)
		Fourth quarter 2008	(S)	551,235	307,995	63,764	338,118
		Third quarter 2008	(S)	680,552	(D)	(D)	186,335
		Second quarter 2008	(S)	(D)	(D)	(D) c/	141,892
		First quarter 2008	(S)	812,147	677,389	156,021	149,467
3253111241	Ammonium sulfate, synthetic (direct synthesis from sulfuric acid and ammonia)	Total	(D)	(D)	(D)	(D)	(X)
		Fourth quarter 2009	5	(D)	(D)	(D)	(D)
		Third quarter 2009	4	(D)	(D)	(D) c/t/	43,595
		Second quarter 2009	4	(D)	(D)	(D)	(D)
		First quarter 2009	5	(D)	(D)	(D)	(D)
		Total	(D)	(D)	(D)	(D)	(X)
		Fourth quarter 2008	(D)	(D)	(D)	(D)	(D)
		Third quarter 2008	(D)	(D)	(D)	(D) a/	20,101
		Second quarter 2008	(D)	(D)	(D)	(D)	(D)
		First quarter 2008	(D)	(D)	(D)	(D) a/	35,771
3253111246	Ammonium sulfate, byproduct other than coke oven	Total	(D)	(D)	(D)	(D)	(X)
		Fourth quarter 2009	6	(D)	(D)	(D)	(D)
		Third quarter 2009	5	(D)	(D)	(D)	144,573
		Second quarter 2009	6	(D)	(D)	(D)	(D)
		First quarter 2009	5	(D)	(D)	(D)	(D)
		Total	(D)	(D)	(D)	(D)	(X)
		Fourth quarter 2008	(D)	(D)	(D)	(D)	(D)
		Third quarter 2008	(D)	(D)	(D)	(D)	166,234
		Second quarter 2008	(D)	(D)	(D)	(D)	(D)
		First quarter 2008	(D)	(D)	(D)	(D)	113,696
3253111250	Nitrogen solutions, including mixtures (100 percent N)	Total		3,414,157 a/	2,867,908	923,661	(X)
		Fourth quarter 2009	13	923,937 a/	687,359	171,683 b/	104,529
		Third quarter 2009	13	891,012	734,640	179,862 a/t/	103,036
		Second quarter 2009	13	828,647 a/t/	828,195	321,510 a/t/	168,994
		First quarter 2009	13	770,561 a/t/	617,714	250,606 a/t/	265,018
		Total	b/	3,834,522 b/	3,030,497 c/	1,495,152	(X)
		Fourth quarter 2008	b/	959,685 c/	693,216 c/	355,578 c/	315,143
		Third quarter 2008	b/	926,795 b/	859,457 b/	431,054	(S)
		Second quarter 2008	b/	958,633 b/	796,001 b/	417,703	(S)
		First quarter 2008	b/	989,409 b/	681,823 c/	290,817 c/	321,076
3253111256	Nitrogen solutions, UAN solutions (ammonium nitrate/urea solutions)	Total		3,230,421	2,691,568	888,009	(X)
		Fourth quarter 2009	9	875,215	644,019	163,926 a/t/	98,376
		Third quarter 2009	9	844,275	688,875	170,744 a/t/	96,246
		Second quarter 2009	9	789,370 r/	781,876	311,105 a/t/	160,222
		First quarter 2009	9	721,561 r/	576,798	242,234 a/t/	255,377
		Total	a/	3,632,011 b/	2,827,133 b/	1,435,781	(X)
		Fourth quarter 2008	a/	908,746 b/	642,968 c/	342,813 b/	308,191
		Third quarter 2008	a/	879,537 b/	806,667 b/	415,571	(S)
		Second quarter 2008	a/	906,845 c/	741,990 c/	400,024 c/	282,051
		First quarter 2008	a/	936,883 a/	635,508 b/	277,373 c/	303,900
3253111251	Nitrogen solutions, all other solutions (e.g., CAN17, AN20, AAN, other) and solutions containing free ammonia 3/	Total		183,736	176,340	35,652	(X)
		Fourth quarter 2009	6 a/	48,722	43,340 t/	7,757 t/	6,153
		Third quarter 2009	6 a/	46,737	45,765 t/	9,118	6,790
		Second quarter 2009	6 a/	39,277	46,319 t/	10,405	8,772
		First quarter 2009	6	49,000	40,916 t/	8,372	9,641

Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/
		Total		(S)	(S) b/	59,371	(X)
		Fourth quarter 2008		(S)	(S) c/	12,765	6,952
		Third quarter 2008		(S)	(S) b/	15,483	(S)
		Second quarter 2008		(S)	(S) a/	17,679	(S)
		First quarter 2008		(S) c/	46,315 a/	13,444	(S)
3253111111	Nitric acid (100 percent) 4/	Total	a/	6,530,638	(S) c/	244,180	(X)
		Fourth quarter 2009	18 a/tr/	1,881,063	(S)	(S)	(X)
		Third quarter 2009	18 a/	1,833,050	c/	466,505 c/	64,219
		Second quarter 2009	17 a/	1,518,101	(S) c/	55,562	(X)
		First quarter 2009	17 a/tr/	1,298,424	(S) c/	52,435	(X)
		Total	c/	7,369,546	(S)	(S)	(X)
		Fourth quarter 2008	c/tr/	1,765,914	(S)	(S)	(X)
		Third quarter 2008	c/tr/	1,786,902	(S)	(S)	(X)
		Second quarter 2008	c/tr/	1,905,365	(S)	(S)	(X)
		First quarter 2008	c/tr/	1,911,365	(S)	(S)	(X)
3253114101	Urea original melt liquor	Total	a/	5,603,736	c/	1,735,727 c/	583,901
		Fourth quarter 2009	11 a/	1,478,468	c/	457,268	(S)
		Third quarter 2009	11 a/	1,383,953	c/	432,128 c/	147,387
		Second quarter 2009	11 a/	1,452,620	c/	435,638 c/	150,013
		First quarter 2009	11 a/	1,288,695	c/tr/	410,693 c/tr/	132,864
		Total	b/	5,776,378	c/	2,250,337 c/	1,020,071
		Fourth quarter 2008	b/	1,468,593	c/	534,896 c/	223,791
		Third quarter 2008	b/	1,341,001	c/	561,543 c/	280,853
		Second quarter 2008	b/	1,483,566	c/	605,491 c/	276,685
		First quarter 2008	b/	1,483,218	c/	548,407 c/	238,742
3253114111	Urea, consumed in the manufacture of urea-ammonium nitrate solutions	Total		2,520,183	(D)	(D)	(X)
		Fourth quarter 2009	7 r/	709,061	(D)	(D)	(D)
		Third quarter 2009	7	676,070	(D)	(D)	(D)
		Second quarter 2009	7	618,890	(D)	(D)	(D)
		First quarter 2009	7	516,162	(D)	(D)	(D)
		Total	b/	2,797,858	(D)	(D)	(X)
		Fourth quarter 2008	b/	707,396	(D)	(D)	(D)
		Third quarter 2008	b/	649,023	(D)	(D)	(D)
		Second quarter 2008	b/	715,821	(D)	(D)	(D)
		First quarter 2008	b/	725,618	65,698	26,117	(D)
3253114121	Urea, prills	Total		838,631	(D)	(D)	(X)
		Fourth quarter 2009	4	(D)	(D)	(D)	(D)
		Third quarter 2009	4	(D)	(D)	(D)	20,422
		Second quarter 2009	4	231,103	(D)	(D)	22,149
		First quarter 2009	4	(D)	(D)	(D)	(D)
		Total	b/	779,905	(D)	(D)	(X)
		Fourth quarter 2008	(D)	(D)	(D)	(D) b/	51,460
		Third quarter 2008	(D)	(D)	(D)	(D) a/	35,205
		Second quarter 2008	b/	218,251	(D)	(D) a/	17,078
		First quarter 2008	(D)	(D)	(D)	(D) a/	23,772
3253114131	Urea, granular	Total		2,157,753	(D)	(D)	(X)
		Fourth quarter 2009	5	547,561	(D)	(D)	25,707
		Third quarter 2009	5	479,926	(D)	(D)	(D)
		Second quarter 2009	5	586,403	133,486	42,697	(D)
		First quarter 2009	5	543,863	r/	104,647 r/	32,407 r/
		Total	b/	2,063,380	c/	1,029,680	(S)
		Fourth quarter 2008	(D)	(D)	(D)	(D) c/	53,447
		Third quarter 2008	b/	448,020	c/	238,307	(S)
		Second quarter 2008	(D)	c/	255,490	(S)	(S)
		First quarter 2008	(D)	(D)	(D)	(D)	(S)
3253114141	Urea, all other (liquor sales, melamine, feedstock, other)	Total	b/	87,169	c/	139,208 b/	114,047
		Fourth quarter 2009	4	(D)	(D)	(D)	(D)
		Third quarter 2009	5	(D)	(D)	(D)	(D)
		Second quarter 2009	4 b/	16,224	c/	30,778 a/	30,179
		First quarter 2009	4	(D)	(D)	(D)	(D)
		Total	b/	135,235	c/	150,142 a/	105,579
		Fourth quarter 2008	(D)	(D)	(D)	(D)	(D)
		Third quarter 2008	(D)	(D)	(D)	(D)	(D)
		Second quarter 2008	(D)	(D)	(D)	(D)	(D)
		First quarter 2008	b/	36,717	(D)	(D)	(D)
3253121111	Phosphoric acid (100 percent P2O5)	Total		9,541,794	3,345,909	2,048,693	(X)
		Fourth quarter 2009	13	2,503,588	r/	895,730	493,987
		Third quarter 2009	13	2,727,352	983,469	r/	481,547
		Second quarter 2009	13	2,380,725	802,472	554,660	135,252
		First quarter 2009	13	1,930,129	664,238	r/	518,499
		Total		10,157,728	4,015,914	2,592,125	(X)
		Fourth quarter 2008		1,790,732	737,671	598,889	124,303
		Third quarter 2008		2,904,629	1,115,329	876,117	131,115

Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/
		Second quarter 2008		2,738,884	1,051,541	603,827	119,123
		First quarter 2008		2,723,483	1,111,373	513,292	121,167
3253121211	Phosphoric acid (100 percent P2O5), by use, fertilizer	Total		8,830,845	3,019,152	1,706,352	(X)
		Fourth quarter 2009	9	2,315,928	r/ 814,538	b/ 419,818	122,321
		Third quarter 2009	9	2,522,026	898,713	r/ 396,830	130,126
		Second quarter 2009	9	2,203,427	712,517	449,410	127,356
		First quarter 2009	10	1,789,464	593,384	r/ 440,294	120,676
		Total		9,274,988	3,432,618	2,119,035	(X)
		Fourth quarter 2008		1,631,730	a/ 620,021	a/ 477,441	113,258
		Third quarter 2008		2,654,469	954,748	739,960	123,793
		Second quarter 2008		2,501,416	896,611	476,539	113,386
		First quarter 2008		2,487,373	961,238	425,095	113,832
3253121221	Phosphoric acid (100 percent P2O5), by use, animal feed (e.g., defluorinated and industrial) (e.g., refined/technical)	Total		710,949	326,757	342,341	(X)
		Fourth quarter 2009	7	a/ 187,660	a/ 81,192	b/ 74,169	a/ 7,484
		Third quarter 2009	7	205,326	84,756	84,717	8,724
		Second quarter 2009	7	r/ 177,298	89,955	105,250	7,896
		First quarter 2009	7	140,665	70,854	78,205	11,400
		Total		882,740	583,296	473,090	(X)
		Fourth quarter 2008		159,002	117,650	121,448	11,045
		Third quarter 2008		250,160	160,581	136,157	7,322
		Second quarter 2008		237,468	154,930	127,288	5,737
		First quarter 2008		236,110	150,135	88,197	7,335
3253121311	Phosphoric acid (100 percent P2O5), by grade, ortho (less than 65 percent P2O5) (includes merchant grade and all others)	Total		8,547,808	2,373,403	1,474,039	(X)
		Fourth quarter 2009	11	2,238,178	r/ 618,463	r/ 331,307	111,979
		Third quarter 2009	11	2,411,970	698,788	323,022	113,512
		Second quarter 2009	11	2,172,335	589,231	429,354	109,730
		First quarter 2009	11	1,725,325	466,921	390,356	105,062
		Total		8,902,084	2,640,537	a/ 1,551,899	(X)
		Fourth quarter 2008		1,584,452	523,035	a/ 422,422	99,098
		Third quarter 2008		2,515,980	738,142	530,842	109,235
		Second quarter 2008		2,426,578	680,588	a/ 321,384	103,723
		First quarter 2008		2,375,074	698,772	a/ 277,251	103,619
3253121321	Phosphoric acid (100 percent P2O5), by grade, super (more than 65 percent P2O5)	Total		993,986	972,506	574,654	(X)
		Fourth quarter 2009	7	a/ 265,410	c/ 277,267	c/r/ 162,680	17,826
		Third quarter 2009	7	315,382	284,681	r/ 158,525	25,338
		Second quarter 2009	7	208,390	213,241	125,306	25,522
		First quarter 2009	8	204,804	r/ 197,317	r/ 128,143	27,014
		Total		1,255,644	1,375,377	1,040,226	(X)
		Fourth quarter 2008		206,280	214,636	176,467	25,205
		Third quarter 2008		388,649	377,187	345,275	21,880
		Second quarter 2008		312,306	370,953	282,443	15,400
		First quarter 2008		348,409	412,601	236,041	17,548
3253124100	Superphosphate and other phosphatic fertilizer materials, gross weight	Total		13,299,661	14,381,986	3,690,652	(X)
		Fourth quarter 2009	12	3,602,339	4,444,652	r/ 894,948	346,309
		Third quarter 2009	12	3,756,182	r/ 3,966,254	983,084	301,268
		Second quarter 2009	12	3,322,533	3,157,757	r/ 841,747	524,809
		First quarter 2009	12	r/ 2,618,607	r/ 2,813,323	970,873	573,833
		Total		13,377,026	13,007,964	7,418,350	(X)
		Fourth quarter 2008		2,236,595	1,876,619	1,310,175	728,869
		Third quarter 2008		3,834,322	3,774,637	2,618,209	534,129
		Second quarter 2008		3,771,184	3,722,186	2,210,920	388,387
		First quarter 2008		3,534,925	3,634,522	1,279,046	339,740
3253124101	Superphosphate and other phosphatic fertilizer materials, Nitrogen content	Total		(X)	(X)	(X)	(X)
		Fourth quarter 2009	(X)	(X)	(X)	(X)	(X)
		Third quarter 2009	(X)	(X)	(X)	(X)	(X)
		Second quarter 2009	(X)	(X)	(X)	(X)	(X)
		First quarter 2009	(X)	(X)	(X)	(X)	(X)
		Total		(X)	(X)	(X)	(X)
		Fourth quarter 2008		(X)	(X)	(X)	(X)
		Third quarter 2008		(X)	(X)	(X)	(X)
		Second quarter 2008		(X)	(X)	(X)	(X)
		First quarter 2008		(X)	(X)	(X)	(X)
3253124102	Superphosphate and other phosphatic fertilizer materials, Phosphoric oxide content (100 percent P2O5)	Total		6,142,381	5,884,053	(X)	(X)
		Fourth quarter 2009	(X)	1,664,701	1,576,369	(X)	(X)
		Third quarter 2009	(X)	1,733,302	1,710,280	(X)	(X)
		Second quarter 2009	(X)	1,518,978	1,380,406	(X)	(X)
		First quarter 2009	(X)	r/ 1,225,400	r/ 1,216,998	(X)	(X)
		Total		6,013,609	5,958,559	(X)	(X)
		Fourth quarter 2008		1,012,420	922,099	(X)	(X)
		Third quarter 2008		1,735,441	1,690,514	(X)	(X)
		Second quarter 2008		1,669,165	1,700,947	(X)	(X)
		First quarter 2008		1,596,583	1,644,999	(X)	(X)
3253124131	Monoammonium phosphates,	Total		3,638,917	3,784,285	1,031,506	(X)



Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/
	gross weight	Fourth quarter 2009	7	1,051,365	985,349	250,859	132,912
		Third quarter 2009	7	992,611	r/ 1,076,540	262,655	76,019
		Second quarter 2009	7	833,071	824,012	227,899	170,302
		First quarter 2009	7	r/ 761,870	r/ 898,384	290,093	171,454
		Total		4,176,994	4,032,594	2,889,667	(X)
		Fourth quarter 2008		664,607	477,964	433,974	300,454
		Third quarter 2008		1,112,593	1,114,280	1,000,302	107,329
		Second quarter 2008		1,168,871	1,232,521	942,996	(D)
		First quarter 2008		1,230,923	1,207,829	512,395	(D)
3253124132	Monoammonium phosphates, nitrogen content	Total		401,905	(X)	(X)	(X)
		Fourth quarter 2009	(X)	115,472	(X)	(X)	(X)
		Third quarter 2009	(X)	110,077	(X)	(X)	(X)
		Second quarter 2009	(X)	92,609	(X)	(X)	(X)
		First quarter 2009	(X)	r/ 83,747	(X)	(X)	(X)
		Total		459,491	(X)	(X)	(X)
		Fourth quarter 2008		74,410	(X)	(X)	(X)
		Third quarter 2008		122,878	(X)	(X)	(X)
		Second quarter 2008		128,855	(X)	(X)	(X)
		First quarter 2008		133,348	(X)	(X)	(X)
3253124133	Monoammonium phosphates, phosphoric oxide content (100 percent P205)	Total		1,887,863	1,936,483	(X)	(X)
		Fourth quarter 2009	(X)	(D)	(D)	(X)	(X)
		Third quarter 2009	(X)	514,977	503,690	(X)	(X)
		Second quarter 2009	(X)	434,076	438,039	(X)	(X)
		First quarter 2009	(X)	(D)	(D)	(X)	(X)
		Total		2,173,946	2,177,952	(X)	(X)
		Fourth quarter 2008		348,621	264,224	(X)	(X)
		Third quarter 2008		(D)	610,660	(X)	(X)
		Second quarter 2008		(D)	671,178	(X)	(X)
		First quarter 2008		634,173	631,890	(X)	(X)
3253124211	Diammonium phosphates, gross weight	Total		8,925,068	9,854,984	2,437,970	(X)
		Fourth quarter 2009	8	r/ 2,323,023	r/ 3,234,162	r/ 584,458	188,696
		Third quarter 2009	9	r/ 2,586,272	r/ 2,696,147	r/ 675,217	200,436
		Second quarter 2009	9	r/ 2,300,941	(D)	(D)	(D)
		First quarter 2009	9	r/ 1,714,832	(D)	(D)	(D)
		Total		8,334,597	8,097,984	4,048,960	(X)
		Fourth quarter 2008		1,434,613	1,280,796	792,609	(D)
		Third quarter 2008		2,471,229	2,373,487	1,409,792	(D)
		Second quarter 2008		2,365,831	2,272,069	1,158,611	248,246
		First quarter 2008		2,062,924	2,171,632	687,948	153,396
3253124212	Diammonium phosphates, nitrogen content	Total		1,632,677	(X)	(X)	(X)
		Fourth quarter 2009	(X)	r/ 424,284	(X)	(X)	(X)
		Third quarter 2009	(X)	r/ 472,720	(X)	(X)	(X)
		Second quarter 2009	(X)	r/ 422,153	(X)	(X)	(X)
		First quarter 2009	(X)	r/ 313,520	(X)	(X)	(X)
		Total		1,461,075	(X)	(X)	(X)
		Fourth quarter 2008		250,639	(X)	(X)	(X)
		Third quarter 2008		433,695	(X)	(X)	(X)
		Second quarter 2008		416,218	(X)	(X)	(X)
		First quarter 2008		360,523	(X)	(X)	(X)
3253124213	Diammonium phosphates, phosphoric oxide content (100 percent P205)	Total		3,998,570	3,693,236	(X)	(X)
		Fourth quarter 2009	(X)	1,040,204	979,305	(X)	(X)
		Third quarter 2009	(X)	r/ 1,161,133	1,145,284	(X)	(X)
		Second quarter 2009	(X)	(D)	(D)	(X)	(X)
		First quarter 2009	(X)	(D)	(D)	(X)	(X)
		Total		3,603,963	3,547,023	(X)	(X)
		Fourth quarter 2008		620,042	621,247	(X)	(X)
		Third quarter 2008		1,073,173	1,007,625	(X)	(X)
		Second quarter 2008		1,024,280	976,221	(X)	(X)
		First quarter 2008		886,468	941,930	(X)	(X)
3253124222	Other ammonium phosphates, gross weight 5/	Total		735,676	742,717	221,176	(X)
		Fourth quarter 2009	7	227,951	225,141	59,631	r/ 24,701
		Third quarter 2009	7	177,299	193,567	45,212	24,813
		Second quarter 2009	7	188,521	(D)	(D)	(D)
		First quarter 2009	7	141,905	(D)	(D)	(D)
		Total		865,435	877,386	479,723	(X)
		Fourth quarter 2008		137,375	117,859	83,592	(D)
		Third quarter 2008		250,500	286,870	208,115	(D)
		Second quarter 2008		236,482	217,596	109,313	(D)
		First quarter 2008		241,078	255,061	78,703	(D)
3253124223	Other ammonium phosphates, nitrogen content	Total		(X)	(X)	(X)	(X)
		Fourth quarter 2009	(X)	(X)	(X)	(X)	(X)
		Third quarter 2009	(X)	(X)	(X)	(X)	(X)
		Second quarter 2009	(X)	(X)	(X)	(X)	(X)
		First quarter 2009	(X)	(X)	(X)	(X)	(X)

Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/
		Total		(X)	(X)	(X)	(X)
		Fourth quarter 2008		(X)	(X)	(X)	(X)
		Third quarter 2008		(X)	(X)	(X)	(X)
		Second quarter 2008		(X)	(X)	(X)	(X)
		First quarter 2008		(X)	(X)	(X)	(X)
3253124224	Other ammonium phosphates, phosphoric oxide content (100 percent P205)	Total		255,948	254,334	(X)	(X)
		Fourth quarter 2009	(X)	(D)	(D)	(X)	(X)
		Third quarter 2009	(X)	57,192	61,306	(X)	(X)
		Second quarter 2009	(X)	(D)	(D)	(X)	(X)
		First quarter 2009	(X)	59,985	56,195	(X)	(X)
		Total		235,700	233,584	(X)	(X)
		Fourth quarter 2008		43,757	36,628	(X)	(X)
		Third quarter 2008		(D)	72,229	(X)	(X)
		Second quarter 2008		(D)	53,548	(X)	(X)
		First quarter 2008		75,942	71,179	(X)	(X)
3251881100	Sulfuric acid (100 percent), total gross 4/	Total		32,126,299	b/ 9,396,780	c/ 760,319	(X)
		Fourth quarter 2009	31	8,452,029	b/tr/ 2,317,393	c/ 154,284	b/ 411,036
		Third quarter 2009	31	9,107,727	a/tr/ 2,482,739	c/ 167,687	434,321
		Second quarter 2009	32	8,011,653	b/tr/ 2,443,521	b/tr/ 242,946	402,970
		First quarter 2009	31	6,554,890	b/tr/ 2,153,127	c/tr/ 195,402	r/ 410,230
		Total	a/	34,854,943	c/ 12,285,541	c/ 1,055,123	(X)
		Fourth quarter 2008	a/	6,467,620	c/ 2,784,708	c/ 270,212	a/ 456,179
		Third quarter 2008	a/	9,487,621	c/ 3,588,698	c/ 359,541	c/ 372,579
		Second quarter 2008	a/	9,178,890	c/ 3,107,749	c/ 254,787	c/ 404,771
		First quarter 2008	a/	9,720,812	c/ 2,804,386	c/ 170,583	b/ 341,835
3251881111	Sulfuric acid (100 percent), by feedstock, elemental sulfur	Total		27,222,765	b/ 5,505,590	c/ 514,058	(X)
		Fourth quarter 2009	24	7,289,676	b/tr/ 1,375,316	c/ 99,299	(X)
		Third quarter 2009	24	7,820,086	b/tr/ 1,494,917	b/ 105,601	(X)
		Second quarter 2009	24	6,672,888	b/tr/ 1,329,153	b/tr/ 173,849	(X)
		First quarter 2009	23	5,440,115	b/tr/ 1,306,204	c/ 135,309	(X)
		Total		29,760,421	c/ 7,678,180	c/ 702,381	(X)
		Fourth quarter 2008		5,233,154	c/ 1,805,440	(S)	(X)
		Third quarter 2008	a/	8,219,128	(S)	c/ 261,110	(X)
		Second quarter 2008		7,793,244	c/ 1,872,815	c/ 162,595	(X)
		First quarter 2008		8,514,895	b/ 1,651,129	c/ 99,864	(X)
3251881121	Sulfuric acid (100 percent), by feedstock, smelting metallic sulfide ore	Total		(D)	(D)	(D)	(X)
		Fourth quarter 2009	5	(D)	(D)	(D)	(X)
		Third quarter 2009	5	(D)	(D)	(D)	(X)
		Second quarter 2009	6	510,666	(D)	(D)	(X)
		First quarter 2009	6	r/ 415,267	(D)	(D)	(X)
		Total	c/	2,122,837	c/ 2,427,315	c/ 130,999	(X)
		Fourth quarter 2008		505,844	464,687	31,519	(X)
		Third quarter 2008		(S)	694,150	(S)	(X)
		Second quarter 2008		(S)	(S)	(S)	(X)
		First quarter 2008		(S)	(S)	(S)	(X)
3251881131	Sulfuric acid (100 percent), by feedstock, decomposition of alkylation and other spent acid	Total	a/	2,466,215	(D)	(D)	(X)
		Fourth quarter 2009	7	a/ 589,623	(D)	(D)	(D)
		Third quarter 2009	7	a/ 642,398	(D)	(D)	(D)
		Second quarter 2009	7	a/ 675,530	(D)	(D)	(D)
		First quarter 2009	7	a/ 558,664	(D)	(D)	(D)
		Total	b/	2,303,387	(D)	(D)	(X)
		Fourth quarter 2008	b/	591,373	(D)	(D)	(D)
		Third quarter 2008	b/	569,580	(D)	(D)	(D)
		Second quarter 2008	b/	640,739	(D)	(D)	(D)
		First quarter 2008	b/	501,695	(D)	(D)	(D)
3251881141	Sulfuric acid (100 percent), by feedstock, other	Total		(D)	(D)	(D)	(X)
		Fourth quarter 2009	7	(D)	(D)	(D)	(X)
		Third quarter 2009	7	(D)	(D)	(D)	(X)
		Second quarter 2009	7	a/ 152,569	(D)	(D)	(X)
		First quarter 2009	7	a/ 140,844	(D)	(D)	(X)
		Total	a/	668,298	(D)	(D)	(X)
		Fourth quarter 2008	b/	137,249	(D)	(D)	(X)
		Third quarter 2008	b/	157,929	(D)	(D)	(X)
		Second quarter 2008	b/	198,831	(D)	(D)	(X)
		First quarter 2008	a/	174,289	(D)	(D)	(X)
3251881212	Sulfuric acid (100 percent), by grade, oleum grades	Total		1,704,610	1,001,106	89,726	(X)
		Fourth quarter 2009	12	r/ 442,285	r/ 233,853	r/ 18,642	b/tr/ 40,645
		Third quarter 2009	11	r/ 423,319	r/ 245,150	r/ 23,152	c/tr/ 39,501
		Second quarter 2009	11	r/ 448,949	r/ 269,131	r/ 24,219	c/tr/ 25,834
		First quarter 2009	11	r/ 390,057	r/ 252,972	r/ 23,713	c/tr/ 46,217
		Total	c/	1,513,429	c/ 1,079,007	c/ 87,940	(X)
		Fourth quarter 2008	b/	293,440	c/ 202,525	c/ 19,373	c/ 30,398
		Third quarter 2008	b/	389,540	c/ 266,262	c/ 23,090	(S)

Product code	Product description	Quarter and year	No. of cos.	Total production	Quantity	Value	Stocks 1/
		Second quarter 2008		(S)	b/ 300,278	b/ 24,743	(S)
		First quarter 2008	b/	444,724	b/ 309,942	c/ 20,734	(S)
3251881231	Sulfuric acid (100 percent), by grade, other than oleum grades	Total		30,421,689	a/ 8,395,674	b/ 670,593	(X)
		Fourth quarter 2009	30	8,009,744	b/tr/ 2,083,540	c/tr/ 135,642	b/ 370,391
		Third quarter 2009	30	8,684,408	a/tr/ 2,237,589	b/tr/ 144,535	394,820
		Second quarter 2009	31	7,562,704	a/tr/ 2,174,390	a/tr/ 218,727	377,136
		First quarter 2009	30	6,164,833	a/tr/ 1,900,155	b/tr/ 171,689	t/ 364,013
		Total	a/	33,341,514	b/ 11,206,534	b/ 967,183	(X)
		Fourth quarter 2008	a/	6,174,180	b/tr/ 2,582,183	b/ 250,839	a/tr/ 425,781
		Third quarter 2008	a/	9,098,081	b/tr/ 3,322,436	c/ 336,451	a/tr/ 327,894
		Second quarter 2008	a/	8,793,165	c/tr/ 2,807,471	b/ 230,044	b/tr/ 370,542
		First quarter 2008		9,276,088	b/tr/ 2,494,444	b/tr/ 149,849	b/tr/ 306,575
3251881311	Sulfuric acid (100 percent), spent acid used in fortification	Total	b/	875,196	(X)	(X)	(X)
		Fourth quarter 2009	15	198,855	(X)	(X)	(S)
		Third quarter 2009	15	249,089	(X)	(X)	(S)
		Second quarter 2009	15	219,263	(X)	(X)	(S)
		First quarter 2009	15	207,989	(X)	(X)	(S)
		Total	b/	880,587	(X)	(X)	(X)
		Fourth quarter 2008	a/tr/	241,643	(X)	(X)	(S)
		Third quarter 2008	b/tr/	197,003	(X)	(X)	(S)
		Second quarter 2008	b/tr/	247,841	(X)	(X)	(S)
		First quarter 2008	a/tr/	194,100	(X)	(X)	(S)
3251881400	Sulfuric acid (100 percent), total new acid 6/	Total		28,784,888	(X)	(X)	(X)
		Fourth quarter 2009	28	7,663,551	(X)	(X)	(X)
		Third quarter 2009	28	8,216,240	(X)	(X)	(X)
		Second quarter 2009	29	7,116,860	(X)	(X)	(X)
		First quarter 2009	28	5,788,237	(X)	(X)	(X)
		Total		31,670,969	(X)	(X)	(X)
		Fourth quarter 2008		5,634,604	(X)	(X)	(X)
		Third quarter 2008		8,721,038	(X)	(X)	(X)
		Second quarter 2008		8,290,310	(X)	(X)	(X)
		First quarter 2008		9,025,017	(X)	(X)	(X)

Footnotes:

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.

Table 3. Production, Exports, and Imports of Selected Fertilizers and Related Chemicals: 2009 and 2008  
 [Quantity in thousands of metric tons]

Product code 1/	Product description	Year		Quantity produced	Imports for consumption 2/	Exports of domestic merchandise 3/
3253111120	Ammonia, synthetic anhydrous	2009	a/	9,371.6	5,505.4	(NA)
		2008	b/	9,570.0	7,318.8	(NA)
3253111201	Ammonium nitrate, original melt liquor	2009	b/	6,298.9	450.7	(NA)
		2008	a/	7,113.5	707.0	(NA)
3253111240	Ammonium sulfate	2009	a/	2,267.3	324.1	(NA)
		2008		2,525.1	395.1	(NA)
3253111250	Nitrogen solutions, including mixtures 4/	2009		3,097.3	1,165.7	(NA)
		2008	b/	3,478.6	6,949.5	(NA)
3253114101	Urea original melt liquor	2009	a/	5,083.6	4,726.7	(NA)
		2008	b/	5,240.2	5,459.3	(NA)
3253121111	Phosphoric acid	2009		8,656.2	90.0	(NA)
		2008		9,214.9	125.3	(NA)
3253124213	Diammonium phosphates, phosphoric oxide content (100 percent P2O5)	2009		3,627.4	22.2	(NA)
		2008		3,269.5	30.6	(NA)
3251881100	Sulfuric acid	2009		29,144.5	1,264.8	254.1
		2008	a/	31,619.9	5,182.9	261.7

Footnotes:

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

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

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

4/Product code 3253111250 (gross weight) includes product codes 3253111251 and 3253111256 (gross weight).

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Products Codes with Schedule B Export Codes and HTSUSA Import Codes: 2009

Product code	Product description	Export code 1/	Import code 2/
3253111120	Ammonia, synthetic anhydrous	2814.10.0000	2814.10.0000
3253111201	Ammonium nitrate, original melt liquor	3102.30.0000	3102.30.0000
3253111240	Ammonium sulfate	3102.21.0000	3102.21.0000
3253111250	Nitrogen solutions, including mixtures	3102.80.0000	3102.80.0000
3253114101	Urea original melt liquor	3102.10.0000	3102.10.0000
3253121111	Phosphoric acid	2809.20.0010 2809.20.0020 2809.20.0030	2809.20.0010 2809.20.0020 2809.20.0030
3253124213	Diammonium phosphates phosphoric oxide content (100 percent P205)	3105.30.0000	3105.30.0000
3251881100	Sulfuric acid	2807.00.0000	2807.00.0000

Footnotes:

1/Source: 2009 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 (2009).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.e.c.) - Not elsewhere classified.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.
- Represents zero.
- N - Nitrogen content.
- P2O5 - Phosphoric oxide content.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

## 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>