

Inorganic Fertilizer Materials and Related Products

Summary

1999

Issued September 2000

(Formerly Series No. MQ28B)

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 1997 Manufacturing Profiles, issued August 1999.

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 1999 totaled 44,756,094 short tons (100 percent H₂SO₄, approximately 8 percent below the 1998 figure of 48,512,520 short tons.

Production of synthetic ammonia, nitric acid, and ammonium compounds decreased 6 percent to 37,128,412 short tons in 1999 from the 1998 level of 39,626,022 short tons. Phosphoric acid production decreased 1 percent to 13,708,086 short tons in 1999 from the 1998 level of 13,891,205 short tons.

Production of superphosphate and other phosphatic fertilizer materials for 1999 decreased 9 percent to 9,324,738 short tons (100 percent P₂O₅).

MQ325B(99)-5

Current
Industrial
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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.

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

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Economics and Statistics Administration
U.S. Census Bureau



Table 1. Summary of Production of Principal Inorganic Fertilizers: 1995 to 1999
 [Quantity in thousands of short tons]

| Quarter and year | Ammonia, synthetic anhydrous (3253111120) (100 percent) | Ammonium nitrate, original melt liquor (3253111201) (100 percent) | Ammonium sulfate (3253111240) (100 percent) | Urea (3253114000) (100 percent) | Nitric acid (3253111111) (100 percent) | Phosphoric acid (3253121000) (100 percent P2O5) | Sulfuric acid, gross (3251881000) (100 percent) | Phosphatic fertilizer materials (3253124000) (100 percent P2O5) |
|---------------------|---|--|--|---------------------------------------|---|---|---|--|
| 1999 | | | | | | | | |
| Total..... | r/ 17,337 | 7,971 | 2,875 | 8,907 | 8,945 | 13,708 | 44,756 | 9,325 |
| Fourth quarter..... | r/ 4,674 | 2,074 | 739 | 2,489 | 2,364 | 3,376 | 11,303 | 2,202 |
| Third quarter..... | r/ 3,906 | 1,821 | 698 | 1,912 | 1,970 | 3,359 | 11,190 | 2,334 |
| Second quarter..... | r/ 4,495 | 1,959 | 744 | 2,297 | 2,215 | 3,461 | 11,023 | 2,377 |
| First quarter..... | r/ 4,262 | 2,117 | 695 | 2,209 | 2,396 | 3,511 | 11,240 | 2,412 |
| 1998 | | | | | | | | |
| Total..... | 18,475 | 9,079 | 2,787 | 8,865 | 9,285 | 13,891 | 48,513 | 10,260 |
| Fourth quarter..... | 4,552 | 2,321 | 697 | 2,266 | 2,411 | 3,397 | 12,076 | 2,508 |
| Third quarter..... | 4,537 | 2,162 | 672 | 2,310 | 2,240 | 3,390 | 11,751 | 2,438 |
| Second quarter..... | 4,689 | 2,362 | 720 | 2,176 | 2,350 | 3,459 | 12,459 | 2,723 |
| First quarter..... | 4,697 | 2,234 | 698 | 2,113 | 2,284 | 3,645 | 12,227 | 2,590 |
| 1997 | | | | | | | | |
| Total..... | 17,891 | 8,604 | 2,702 | 8,304 | 9,433 | 13,159 | 47,929 | 10,473 |
| Fourth quarter..... | 4,616 | 2,194 | 702 | 1,964 | 2,400 | 3,481 | 12,132 | 2,644 |
| Third quarter..... | 4,403 | 2,010 | 697 | 1,952 | 2,186 | 3,213 | 12,230 | 2,603 |
| Second quarter..... | 4,467 | 2,207 | 709 | 2,134 | 2,421 | 3,251 | 11,957 | 2,670 |
| First quarter..... | 4,405 | 2,195 | 594 | 2,254 | 2,426 | 3,214 | 11,611 | 2,557 |
| 1996 | | | | | | | | |
| Total..... | 17,923 | 8,498 | 2,662 | 8,548 | 9,205 | 13,210 | 47,770 | 10,547 |
| Fourth quarter..... | 4,559 | 2,183 | 685 | 2,154 | 2,477 | 3,387 | 12,160 | 2,688 |
| Third quarter..... | 4,365 | 1,983 | 686 | 2,025 | 2,163 | 3,451 | 12,438 | 2,849 |
| Second quarter..... | 4,404 | 2,144 | 657 | 2,135 | 2,288 | 3,130 | 11,365 | 2,412 |
| First quarter..... | 4,595 | 2,188 | 633 | 2,234 | 2,277 | 3,242 | 11,808 | 2,598 |
| 1995 | | | | | | | | |
| Total..... | 17,403 | 8,489 | 2,647 | 8,120 | 8,840 | 13,134 | 47,519 | 10,365 |
| Fourth quarter..... | 4,367 | 2,190 | 683 | 2,048 | 2,269 | 3,350 | 12,104 | 2,691 |
| Third quarter..... | 4,279 | 1,899 | 633 | 1,960 | 1,984 | 3,183 | 11,910 | 2,529 |
| Second quarter..... | 4,402 | 2,169 | 681 | 2,052 | 2,237 | 3,274 | 11,878 | 2,551 |
| First quarter..... | 4,354 | 2,231 | 649 | 2,059 | 2,350 | 3,327 | 11,627 | 2,594 |

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

Note: Data for 1998 and 1997 have been revised based on the reconciliation of data from the quarterly report, MQ325B, and the 1998 annual report, MA325B(98)-1, issued January 2000.

Table 2. Primary Production of Inorganic Fertilizer Chemicals by Quarter: 1999 and 1998
[Short tons]

| Product code | Product description | Year | Total | First quarter | Second quarter | Third quarter | Fourth quarter |
|--------------|---|------------|---------------|---------------|----------------|---------------|----------------|
| 3251881000 | Sulfuric acid, gross, new and fortified..... | 1999... | 44,756,094 | 11,240,289 | 11,023,436 | 11,189,844 | 11,302,525 |
| | | 1998... | 48,512,520 | 12,226,999 | 12,458,724 | 11,750,925 | 1,207,5872 |
| 3251881212 | Oleum grades..... | 1999... | 1,863,674 r/ | 502,267 | 404,682 | 425,357 r/ | 531,368 |
| | | 1998... | 1,828,068 | 463,839 | 462,317 | 447,730 | 454,182 |
| 3251881231 | Other than oleum grades..... | 1999... | 42,892,420 | 10,738,022 | 10,618,754 | 10,764,487 | 10,771,157 |
| | | 1998... | 46,684,452 | 11,763,160 | 11,996,407 | 11,303,195 | 11,621,690 |
| 3251881131 | Produced through decomposition of alky- lation and other spent acid 1/..... | 1999... | 3,763,883 r/ | 706,960 r/ | 993,894 r/ | 1,046,122 r/ | 1,016,907 |
| | | 1998... | 4,852,417 | 1,184,796 | 1,329,468 | 1,264,121 | 1,074,032 |
| 3251881300 | New acid 2/..... | 1999... | 40,992,211 | 10,533,329 | 10,029,542 | 10,143,722 | 10,285,618 |
| | | 1998... | 43,660,103 | 11,042,203 | 11,129,256 | 10,486,804 | 11,001,840 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | 881,384 r/ | 729,661 | 707,693 | 681,504 |
| | | 1998... | (NA) | 1,143,639 | 990,082 | 1,084,341 | 1,093,714 |
| 3253111000 | Ammonia, synthetic anhydrous (100 percent percent NH3): | | | | | | |
| | Production..... | 1999... r/ | 17,336,685 r/ | 4,261,647 r/ | 4,494,973 r/ | 3,905,878 r/ | 4,674,187 |
| | | 1998... | 18,474,938 | 4,696,570 | 4,689,215 | 4,537,347 | 4,551,806 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253111120 | Fertilizer use: | | | | | | |
| | Production..... | 1999... | 15,252,599 r/ | 3,723,708 r/ | 3,985,250 r/ | 3,355,870 r/ | 4,187,771 |
| | | 1998... | 15,860,629 | 4,058,987 | 3,995,632 | 3,877,832 | 3,928,178 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253111131 | Other uses: | | | | | | |
| | Production..... | 1999... | 2,084,086 r/ | 537,939 r/ | 509,723 | 550,008 r/ | 486,416 |
| | | 1998... | 2,614,309 | 637,583 | 693,583 | 659,515 | 623,628 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253111201 | Ammonium nitrate (100 percent NH4NO3): Original melt liquor 3/: | | | | | | |
| | Production..... | 1999... | 7,971,269 | 2,117,473 | 1,959,041 | 1,820,800 | 2,073,955 |
| | | 1998... | 9,078,598 | 2,234,296 | 2,361,752 | 2,162,007 | 2,320,543 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| | Total production: | | | | | | |
| 3253111211 | Consumed in the manufacture of other nitrogen solutions (e.g., CAN17, AN20, AAN): | | | | | | |
| | Production..... | 1999... | 181,248 | 43,737 | 37,073 | 36,123 | 64,315 |
| | | 1998... | 253,242 | 62,279 | 69,697 | 69,000 | 52,266 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253111216 | Liquor consumed in the manufacture of urea-ammonium nitrate solutions: | | | | | | |
| | Production..... | 1999... | 3,370,500 r/ | 895,216 r/ | 830,121 r/ | 783,824 r/ | 861,339 |
| | | 1998... | 4,039,660 | 913,451 | 1,033,287 | 992,335 | 1,100,587 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) r/ | 28,447 r/ | 36,568 r/ | 49,473 |
| | | 1998... | (NA) | 58,064 | 20,822 | 40,004 | 78,297 |
| 3253111221 | High density prill and granular: | | | | | | |
| | Production..... | 1999... | 2,989,301 r/ | 832,670 r/ | 752,280 r/ | 625,335 r/ | 779,016 |
| | | 1998... | 2,605,267 | 705,656 | 747,453 | 535,983 | 616,175 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | 65,822 r/ | 62,622 r/ | 58,022 | 73,514 |
| | | 1998... | (NA) | 26,328 | 26,418 | 49,399 | 37,972 |
| 3253111226 | Low density prill and grained: | | | | | | |
| | Production..... | 1999... | 945,849 r/ | 229,760 r/ | 218,485 r/ | 243,084 r/ | 254,520 |
| | | 1998... | 1,657,069 | 418,542 | 381,888 | 442,039 | 414,600 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253111231 | All other (e.g., liquor sales, etc.) | | | | | | |
| | Production..... | 1999... | 484,371 | 116,090 | 121,082 | 132,434 | 114,765 |
| | | 1998... | 523,360 | 134,368 | 129,427 | 122,650 | 136,915 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | 10,335 | (D) |
| 3253111240 | Ammonium sulfate (100 percent (NH4)2 SO4): | | | | | | |
| | Production..... | 1999... | 2,875,239 | 694,791 | 743,698 | 697,664 r/ | 739,086 |
| | | 1998... | 2,787,394 | 698,143 | 719,792 | 672,052 | 697,407 |
| | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 201,919 r/ | 196,075 r/ | 172,258 r/ | 232,118 |
| | | 1998... | (NA) | 212,125 | 119,695 | 79,790 | 212,056 |

Table 2. Primary Production of Inorganic Fertilizer Chemicals by Quarter: 1999 and 1998
[Short tons]

| Product code | Product description | Year | Total | First quarter | Second quarter | Third quarter | Fourth quarter | | |
|--------------|---|---|-------------------------------------|---------------|----------------|---------------|----------------|------------|-----------|
| 3253111111 | Nitric acid (100 percent HNO3): | Production..... | 1999... | 8,945,219 | 2,396,003 | 2,214,540 | 1,970,310 | 2,364,366 | |
| | | | 1998... | 9,285,092 | 2,284,374 | 2,349,524 | 2,240,013 | 2,411,181 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) | (X) | (X) | (X) | (X) | |
| | | | 1998... | (NA) | (X) | (X) | (X) | (X) | |
| 3253111250 | Nitrogen solutions, including mixtures containing urea (100 percent N): | Production..... | 1999... | 3,894,228 | 1,015,819 | 1,003,991 | 876,502 | 997,916 | |
| | | | 1998... | 3,888,148 | 861,436 | 919,602 | 977,421 | 1,129,689 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) | |
| | | | 1998... | (NA) | (D) | (D) | (D) | (D) | |
| 3253111251 | Solutions containing ammonium nitrate/ urea: | Production..... | 1999... | 3,822,712 | 999,991 | 983,265 | 859,781 r/ | 979,675 | |
| | | | 1998... | 3,803,810 | 842,458 | 896,398 | 956,227 | 1,108,727 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) | |
| | | | 1998... | (NA) | (D) | (D) | (D) | (D) | |
| 3253111256 | All other solutions: | Production..... | 1999... | 71,516 r/ | 15,828 r/ | 20,726 r/ | 16,721 r/ | 18,241 | |
| | | | 1998... | 84,338 | 18,978 | 23,204 | 21,194 | 20,962 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) | |
| | | | 1998... | (NA) | (D) | (D) | (D) | (D) | |
| 3253121000 | Phosphoric acid (100 percent P2O5): | Production..... | 1999... | 13,708,086 | 3,511,377 | 3,460,967 | 3,359,332 | 3,376,410 | |
| | | | 1998... | 13,891,205 | 3,644,976 | 3,458,730 | 3,390,278 | 3,397,191 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 196,192 r/ | 233,048 r/ | 223,856 r/ | 219,352 | |
| | | | 1998... | (NA) | 203,716 | 210,681 | 198,207 | 224,721 | |
| 3253121111 | Thermal: | Production..... | 1999... | 285,688 /a/ | 75,501 | 68,620 a/ | 66,593 r/ | 74,974 | |
| | | | 1998... | 310,830 | 86,189 | 86,201 | 66,305 | 72,135 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 8,132 r/ | 5,962 | (D) r/ | 4,389 | |
| | | | 1998... | (NA) | 7,335 | 8,991 | (S) | 5,386 | |
| 3253121121 | Wet: | Production..... | 1999... | 13,422,398 | 3,435,876 | 3,392,347 | 3,292,739 | 3,301,436 | |
| | | | 1998... | 13,580,375 | 3,558,787 | 3,372,529 | 3,323,973 | 3,325,086 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 188,060 r/ | 227,086 r/ | (D) r/ | 214,963 | |
| | | | 1998... | (NA) | 196,381 | 201,690 | 198,207 | 219,335 | |
| 3253121211 | By use: | Fertilizer: | Production..... | 1999... | 12,706,730 | 3,258,233 | 3,208,328 | 3,127,172 | 3,112,997 |
| | | | | 1998... | 12,692,628 | 3,334,437 | 3,143,748 | 3,116,176 | 3,098,267 |
| | | | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253121221 | Feed and other: | Production..... | 1999... | 715,668 | 177,643 | 184,019 | 165,567 | 188,439 | |
| | | | 1998... | 887,747 | 224,350 | 228,781 | 207,797 | 226,819 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) | |
| | | | 1998... | (NA) | (D) | (D) | (D) | (D) | |
| 3253121311 | By grade: | Ortho (less than 65 percent P2O5): | Production..... | 1999... | 11,939,533 | 3,047,707 | (D) | (D) | 2,915,154 |
| | | | | 1998... | 12,028,030 | 3,178,525 | 2,987,792 | 2,928,062 | 2,933,651 |
| | | | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 164,204 r/a/ | 204,946 r/ | 196,950 r/ | 193,948 |
| | | | | 1998... | (NA) | 172,391 | (D) | 174,991 | 197,033 |
| 3253121321 | Super (more than 65 percent P2O5): | Production..... | 1999... | 1,482,865 | 388,169 | (D) | (D) r/ | 386,282 | |
| | | | 1998... | 1,552,345 | 380,262 | 384,737 | 395,911 | 391,435 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) | 23,856 | 22,140 | 20,196 | 21,015 | |
| | | | 1998... | (NA) | 23,367 | (D) | 20,851 | 22,302 | |
| 3253114000 | Urea original melt liquor (100 percent urea): | Production..... | 1999... r/ | 8,906,816 r/ | 2,208,572 | 2,297,205 | 1,911,856 | 2,489,183 | |
| | | | 1998... | 8,864,978 | 2,112,842 | 2,176,107 | 2,309,845 | 2,266,184 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 173,531 r/ | 138,734 r/ | 86,554 | 225,216 | |
| | | | 1998... | (NA) | 373,671 | 296,101 | 328,217 | 259,673 | |
| 3253114011 | Total production: | Consumed in the manufacture of urea-ammonium nitrate solutions: | Production..... | 1999... | 2,606,488 | 707,106 | 663,132 | 533,158 | 703,092 |
| | | | | 1998... | 3,032,423 | 667,406 | 698,842 | 784,034 | 882,141 |
| | | | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253114021 | Prills: | Production..... | 1999... | 1,843,709 r/ | 481,232 r/ | 492,042 r/ | 365,711 | 504,724 | |
| | | | 1998... | 2,010,212 | 501,468 | 508,418 | 491,455 | 508,871 | |
| | | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 65,187 r/ | 36,032 r/ | 33,784 r/ | 99,373 | |
| | | | 1998... | (NA) | 57,168 | 77,004 | 107,477 | 115,975 | |
| 3253114031 | Granular: | Production..... | 1999... | 4,187,313 | 943,143 | 1,080,489 | 950,270 | 1,213,411 | |
| | | | 1998... | 3,544,066 | 878,474 | 884,970 | 972,536 | 808,086 | |

Table 2. Primary Production of Inorganic Fertilizer Chemicals by Quarter: 1999 and 1998
[Short tons]

| Product code | Product description | Year | Total | First quarter | Second quarter | Third quarter | Fourth quarter |
|--------------|--|---------|--------------|---------------|----------------|---------------|----------------|
| 3253114041 | Stocks on hand, end of quarter..... | 1999... | (NA) r/ | 73,219 r/ | 74,475 r/ | 49,499 r/ | 104,688 |
| | | 1998... | (NA) | 38,163 | 84,897 | 145,499 | 129,991 |
| 3253114041 | All other (solid and solution): Production..... | 1999... | 269,306 r/ | 77,091 r/ | 61,542 r/ | 62,717 r/ | 67,956 |
| | | 1998... | 278,277 | 65,494 | 83,877 | 61,820 | 67,086 |
| 3253124000 | Stocks on hand, end of quarter..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253124000 | Superphosphates and other phosphatic fertilizer materials: Production (100 percent P2O5)..... | 1999... | 9,324,738 | 2,412,242 | 2,376,865 | 2,333,705 | 2,201,926 |
| | | 1998... | 10,259,620 | 2,589,876 | 2,722,945 | 2,438,393 | 2,508,406 |
| 3253124111 | Shipments, including interplant transfers (100 percent P2O5)..... | 1999... | 9,768,711 | 2,435,413 r/ | 2,530,411 | 2,422,869 | 2,380,018 |
| | | 1998... | 10,292,005 | 2,612,826 | 2,709,231 | 2,357,552 | 2,612,396 |
| 3253124111 | Stocks on hand, end of quarter (gross weight)..... | 1999... | (NA) r/ | 734,514 | 674,388 | 715,786 | 632,049 |
| | | 1998... | (NA) | 709,406 | 647,271 | 786,205 | 627,842 |
| 3253124111 | Normal and enriched superphosphates: 4/ Production (100 percent P2O5)..... | 1999... | (D) | (D) | (D) | (D) | (D) |
| | | 1998... | (D) | (D) | (D) | (D) | (D) |
| 3253124111 | Shipments, including interplant transfers (100 percent P2O5)..... | 1999... | (D) | (D) | (D) | (D) | (D) |
| | | 1998... | (D) | (D) | (D) | (D) | (D) |
| 3253124121 | Stocks on hand, end of quarter (gross weight)..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | (D) | (D) | (D) | (D) |
| 3253124121 | Concentrated superphosphates (triple) (over 40 percent P2O5): 4/ Production (100 percent P2O5)..... | 1999... | (D) | (D) | (D) | (D) | (D) |
| | | 1998... | 657,401 | 176,477 | 194,334 | 177,696 | 108,894 |
| 3253124121 | Shipments, including interplant transfers (100 percent P2O5)..... | 1999... | (D) | (D) | (D) | (D) | (D) |
| | | 1998... | 632,253 | 178,634 | 171,925 | 173,032 | 108,662 |
| 3253124121 | Stocks on hand, end of quarter (gross weight)..... | 1999... | (NA) | (D) | (D) | (D) | (D) |
| | | 1998... | (NA) | 83,798 | 117,024 | 99,242 | 90,468 |
| 3253124131 | Ammonium phosphates: Monoammonium phosphates: Production (100 percent P2O5)..... | 1999... | 1,847,479 r/ | 518,935 r/ | 422,997 r/ | 423,048 r/ | 482,499 |
| | | 1998... | 2,017,501 | 559,673 | 519,512 | 530,486 | 407,830 |
| 3253124131 | Shipments, including interplant transfers (100 percent P2O5)..... | 1999... | 1,847,479 | 518,935 | 422,997 | 423,048 | 482,499 |
| | | 1998... | 2,007,906 | 531,310 | 525,596 | 506,986 | 444,014 |
| 3253124131 | Stocks on hand, end of quarter (gross weight)..... | 1999... | (NA) | 179,687 | 142,361 | 137,706 | 189,637 |
| | | 1998... | (NA) | 156,190 | 161,429 | 207,299 | 146,570 |
| 3253124211 | Diammonium phosphates: Production (100 percent P2O5)..... | 1999... | 6,832,250 | 1,729,402 | 1,784,081 | 1,766,592 | 1,552,175 |
| | | 1998... | 7,224,314 | 1,739,056 | 1,897,794 | 1,670,480 | 1,916,984 |
| 3253124211 | Shipments, including interplant transfers (100 percent P2O5)..... | 1999... | 7,234,787 | 1,731,127 r/ | 1,931,423 | 1,841,606 | 1,730,631 |
| | | 1998... | 7,299,134 | 1,800,005 | 1,883,227 | 1,622,336 | 1,993,566 |
| 3253124222 | Stocks on hand, end of quarter (gross weight)..... | 1999... | (NA) r/ | 419,321 | 394,756 | 439,539 | 284,812 |
| | | 1998... | (NA) | 395,301 | 323,739 | 429,231 | 329,208 |
| 3253124222 | Other ammonium phosphates and other phosphatic fertilizer materials: Production (100 percent P2O5)..... | 1999... | 60,089 | (D) | (D) r/ | 12,340 | 14,387 |
| | | 1998... | 360,404 | 114,670 | 111,305 | 59,731 | 74,698 |
| 3253124222 | Shipments, including interplant transfers (100 percent P2O5)..... | 1999... | 128,262 | 36,549 | 36,153 | 26,740 | 28,820 |
| | | 1998... | 352,712 | 102,877 | 128,483 | 55,198 | 66,154 |
| 3253124222 | Stocks on hand, end of quarter (gross weight)..... | 1999... | (NA) | (D) | 47,952 | (D) | (D) |
| | | 1998... | (NA) | 74,117 | 45,079 | 50,433 | 61,596 |

D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised 5 percent or more from previously published data. S Does not meet publication standards. X Not applicable.

1/Represents gross production of sulfuric acid less acid produced through decomposition and spent acid used in fortification.

2/Spent acid fortified by the addition of sulfur trioxide.

3/Represents total amount of original melt liquor produced, including amounts used for fertilizer, explosive, and other uses and amounts consumed in manufacturing other products, such as nitrogen solutions.

4/"Normal and enriched superphosphates" (3253124111) is combined with "Concentrated superphosphates" (3253124121) to avoid disclosing data for individual companies.

Note: The 1999 and 1998 stocks on hand, end of quarter, were originally published in the Current Industrial Report series, MQ325B, "Inorganic Fertilizer Materials and Related Products." Detail may not add to total because of independent rounding.

Table 3. Production, Exports, Imports, and Apparent Consumption of Fertilizer Materials: 1999 and 1998
[Quantity in thousands of metric tons]

| Product code | Product description | Production (quantity) | Exports of domestic merchandise 1/ (quantity) | Percent exports to production (quantity) | Imports for consumption 2/ (quantity) | Apparent consumption 3/ (quantity) | Percent imports to apparent consumption (quantity) |
|--------------|--|-----------------------|---|--|---------------------------------------|------------------------------------|--|
| 1999 | | | | | | | |
| 3253111120 | Ammonia, synthetic anhydrous..... | 15,727,841 | (D) | (D) | (D) | (D) | (D) |
| 3253111201 | Ammonium nitrate, original solution..... | 7,231,535 | 28,232 | 0.4 | 934,762 | 8,138,065 | 11.5 |
| 3253111250 | Nitrogen solutions, ammonium nitrate/urea solutions..... | 3,532,844 | 22,505 | 0.6 | 613,710 | 4,124,049 | 14.9 |
| 3253111240 | Ammonium sulfate..... | 2,608,417 | 1,068,286 | 41.0 | 342,172 | 1,882,303 | 18.2 |
| 3253114000 | Urea..... | 8,080,264 | 889,691 | 11.0 | 3,263,876 | 10,454,449 | 31.2 |
| 3253121000 | Phosphoric acid..... | 12,435,976 | (D) | (D) | 56,011 | (D) | (D) |
| 3253144111 | Normal and enriched superphosphates 4/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| 3253144121 | Concentrated superphosphates 4/..... | (D) | 634,093 | (D) | - | (D) | - |
| 3253144211 | Diammonium phosphates..... | 14,688,140 | 10,495,848 | 71.5 | 35,598 | 4,227,890 | 0.8 |
| 3251881000 | Sulfuric acid, gross..... | 40,602,729 | 154,895 | 0.4 | 1,368,636 | 41,816,470 | 3.3 |
| 1998 | | | | | | | |
| 3253111120 | Ammonia, synthetic anhydrous..... | 16,760,464 | (D) | (D) | (D) | (D) | (D) |
| 3253111201 | Ammonium nitrate, original solution..... | 8,236,104 | 54,785 | 0.7 | 759,194 | 8,940,513 | 8.5 |
| 3253111250 | Nitrogen solutions, ammonium nitrate/urea solutions..... | 3,527,328 | 52,605 | 1.5 | 633,457 | 4,108,180 | 15.4 |
| 3253111240 | Ammonium sulfate..... | 2,528,724 | 1,050,302 | 41.5 | 318,542 | 1,796,964 | 17.7 |
| 3253114000 | Urea..... | 8,042,308 | 840,559 | 10.5 | 3,323,938 | 10,525,687 | 31.6 |
| 3253121000 | Phosphoric acid..... | 12,602,101 | (D) | (D) | 84,483 | (D) | (D) |
| 3253144111 | Normal and enriched superphosphates 4/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| 3253144121 | Concentrated superphosphates 4/..... | 1,333,210 | 622,486 | 46.7 | - | 710,724 | - |
| 3253144211 | Diammonium phosphates..... | 12,510,832 | 9,869,749 | 78.9 | 43,866 | 2,684,949 | 1.6 |
| 3251881000 | Sulfuric acid, gross..... | 44,010,558 | 155,488 | 0.4 | 2,043,064 | 45,898,134 | 4.5 |

- Represents zero. D Withheld to avoid disclosing data for individual companies.

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 (3253144111) "Normal and enriched superphosphates" is combined with product code (3253144211) "Concentrated superphosphates" to avoid disclosing data for individual companies.

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

Table 4. Comparison of North American Industry Classification System-Based Products Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1999

| Product code | Product description | Export number | Import number |
|---------------------|--|--|--|
| 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 |
| 3253111250 | Nitrogen solutions, ammonium nitrate/ urea solutions..... | 3102.80.0000 | 3102.80.0000 |
| 3253114000 | Urea..... | 3102.10.0000 | 3102.10.0000 |
| 3253121000 | Phosphoric acid..... | 2809.20.0010 2809.20.0020 2809.20.0030 | 2809.20.0010 2809.20.0020 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 |
| 3251881000 | Sulfuric acid..... | 2807.00.0000 | 2807.00.0000 |