

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

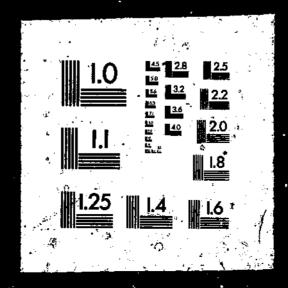
Give to AgEcon Search

AgEcon Search
http://ageconsearch.umn.edu
aesearch@umn.edu

Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.

USDA/SB-782 FERTILIZER TRADE STATISTICS, 1970-88. (STATISTICAL PB89-211023 BULLETIN.) / H. VROOMEN ECONOMIC RESEARCH SERVICE, WASHINGTON, DC. RESOURCES AND TECHNOLOGY DIV. JUN 89 34P

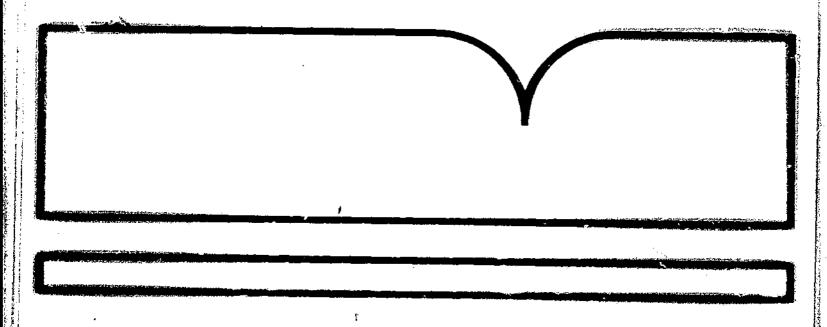
10F1 PB 89 211023



Fertilizer Trade Statistics, 1970-88

(U.S.) Economic Research Service, Washington, DC

Jun 89



US: Department of Commerce.
Metternal Testingel Information Service

| PORT DOCUMENTATION 1, REPORT NO. | 2. | PB8 9 - 2 1 1 0 2 3 /AS |
|--|----------|---|
| Title and Subtitle | <u> </u> | 5. Report Date |
| Fertilizer Trade Statistics, I | 9/0-88 | 6. |
| Author(s) Harry Vroomen | <u> </u> | s. Performing Organization Rept. No. SB-782 |
| Performing Organization Name and Address Resources and Technology Division | | 10. Project/Task/Work Unit No. |
| conomic Research Service | | 11. Contract(C) or Grant(G) No. |
| .S. Department of Agriculture | • | (C) |
| ashington, D.C. 20005-4788 | | (C) |
| Spomsoring Organization Name and Address | | 13. Type of Report & Period Covered |
| | | 14. |
| Supplementary Notes | | |
| | | |
| . Abstract (Limit 200 words) | | |
| | | |

The United States has become the world's largest phosphate exporter and the world's largest potash importer during the last decade. The U.S. nitrogen trade balance, relatively stable before 1983, has also shifted as the United States became a net importer of nitrogen beginning in 1983. This bulletin includes statistics (for fertilizer years 1970-88) on U.S. imports and exports of selected fertilizer materials; world and U.S. imports and exports of nitrogen, phosphate, and potash; and U.S. import origins and export destinations for selected fertilizer materials, market areas, and years.

17. Document Analysis a. Descriptors

Fertilizer Nitrogen Phosphate Potash

b. Identifiers/Open-Ended Terms

Prices as of 1/1/89
Paper: Ao3
Fiche: Ao1
Cost codes are: Ao3 for Paper
and AO1 for Fiche Ao1

c cosatt field/Group 02-B, 05-C

18. Availability Statement:
National Technical Information Service
5285 Port Royal Road, Springfield, VA 22161

Unclassified

21. No. of Pages
34

22. Security Class (This Page)
Unclassified

22. Price AO3
See box 17

(See ANSI-139.18)

See Instructions on Revorse

OFTIONAL FORM 272 (4-77) (Formerly NTIS-35)



to the second

Fettilizerifskole Skilistics; 1970486

Harry Vroomen



Fertilizer Trade Statistics, 1970-88. By Harry Vroomen, Resources and Technology Division, Economic Research Service, U.S. Department of Agriculture, Statistical Bulletin No. 782.

Abstract

The United States has become the world's largest phosphate exporter and the world's largest potash importer during the last decade. The U.S. nitrogen trade balance, relatively stable before 1983, has also shifted as the United States became a net importer of nitrogen beginning in 1983. This bulletin includes statistics (for fertilizer years 1970-88) on U.S. imports and exports of selected fertilizer materials; world and U.S. imports and exports of nitrogen, phosphate, and potash; and U.S. import origins and export destinations for selected fertilizer materials, market areas, and years.

Keywords: Fertilizer, trade, nitrogen, phosphate, potash.

Acknowledgments

The author thanks Stan Daberkow, LeRoy Hansen, and Harold Taylor of the Economic Research Service, U.S. Department of Agriculture; Homer Stroike of the Agricultural Stabilization and Conservation Service, U.S. Department of Agriculture; and Ed Harre of the Tennessee Valley Authority for their reviews. Debra Haugan of the Economics Management Staff edited the report.

1301 New York Ave., NW. Washington, D.C. 20005-4788

June 1939

Contents

| Int | roduction | |
|----------|--|----|
| P | Fertilizer Trade By Nutrient | |
| • | Potash | • |
| U.S | Share of World Imports | • |
| U.S | Share of World Exports | |
| Reg | ional Trade Patterns By Nutrient | ŧ |
| I. IA | itrogenhosphate | 9 |
| P | otash | 10 |
| | erences | 10 |
| | Figures | |
| 1. | U.S. nitrogen fertilizer trade | , |
| ^ | | 2 |
| 2. | U.S. imports of selected nitrogen materials | 3 |
| 3. | U.S. exports of selected nitrogen materials | 3 |
| 4. | U.S. phosphate fertilizer trade | 5 |
| 5. | U.S. exports of selected phosphate materials and phosphate rock | 5 |
| 6. | U.S. potash fertilizer trade | 6 |
| 7. | U.S. imports and exports of selected potash materials | 6 |
| 8. | U.S. share of world fertilizer imports | 7 |
| 9, | U.S. share of world fertilizer exports | 8 |
| | Tables | |
| 1. | U.S. imports of selected nitrogen fertilizer materials | 11 |
| 2. | U.S. exports of selected nitrogen fertilizer materials | 12 |
| 3. | U.S. exports of ammonium phosphates | 13 |
| 4. | U.S. exports of concentrated superphosphate, phosphoric acid, and phosphate rock | 14 |
| 5. | U.S. exports and imports of selected potash fertilizer materials | 15 |

| ٥, | world and U.S. plant nutrient imports | 16 |
|-----|--|----|
| 7. | World and U.S. plant nutrient exports | 17 |
| 8. | U.S. imports of anhydrous ammonia, selected market areas and years | 18 |
| 9. | U.S. imports of urea, selected market areas and years | 19 |
| 10. | U.S. exports of anhydrous ammonia, selected market areas and years | 20 |
| 11. | U.S. exports of urea, selected market areas and years | 21 |
| 12. | U.S. exports of ammonium sulfate, selected market areas and years | 22 |
| 13. | U.S. exports of diammonium phosphate, selected market areas and years | 23 |
| 14. | U.S. exports of concentrated superphosphate, selected market areas and years | 24 |
| 15. | U.S. exports of phosphoric acid, selected market areas and years | 25 |
| 16. | U.S. exports of phosphate rock, selected market areas and years | 26 |
| 17. | U.S. imports of potassium chloride, selected market areas and years | 27 |
| 18. | U.S. exports of potassium chloride, selected market areas and years | 28 |
| | | |

Fertilizer Trade Statistics, 1970-88

Harry Vroomen

Introduction

World fertilizer production, use, and trade have increasingly affected the U.S. fertilizer market. World economic conditions, world crop prospects, new sources of fertilizer supplies, country policies concerning fertilizer production and use, and changing crop production and trade patterns all influence U.S. fertilizer trade patterns.

Imports and exports of fertilizer products affect the fertilizer industry and the U.S. farm sector. Changes in U.S. fertilizer trade have resulted in increased public and private interest in factors affecting the fertilizer market. This bulletin includes statistics on U.S. imports and exports of selected fertilizer materials and world and U.S. imports and exports of nitrogen, phosphate, and potash for fertilizer years (July 1-June 30) 1970-88. Most of these data have been reported in various Government and private sources. A consistent time series, however, has not been readily available in a single source. Combining the data into a single source allows one to examine the long-term changes in U.S. fertilizer trade.

U.S. Fertilizer Trade By Nutrient

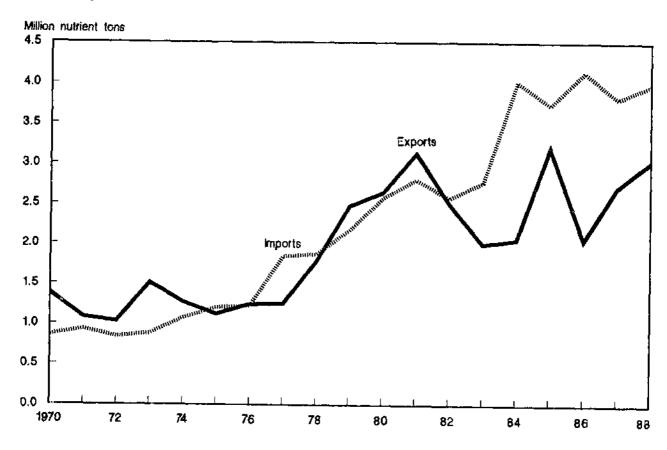
U.S. trade in fertilizer varies widely by nutrient. The United States became a net nitrogen importer in 1983 as low-cost foreign products replaced higher cost domestic products. The United States became the world's largest phosphate fertilizer exporter over the last decade and remained the world's largest potash importer.

Nitrogen

Annual U.S. imports and exports of nitrogen were approximately equal before 1983, with the trade balance varying from year to year (fig. 1). $\underline{1}$ / The trade balance shifted in 1983, however, and the United States became a net nitrogen importer, as low-cost foreign products replaced higher cost domestic products.

¹/ All fertilizer trade data are reported on a fertilizer-year basis that begins July 1 of the previous year and ends June 30.

Figure 1
U.S. nitrogen fertilizer trade



Anhydrous ammonia and urea remain the two most important nitrogen fertilizer import materials, although other products have contributed to total U.S. nitrogen imports since 1970 (table 1 and fig. 2). (Tables are grouped together at the end of this report.) Imports of these materials have increased significantly since 1970 from countries with access to inexpensive natural gas. As recently as 1974, the United States was a net exporter of anhydrous ammonia. But the trade surplus in anhydrous ammonia had reversed by 1984 to an almost 3-million-ton deficit (tables 1 and 2). Urea imports have fluctuated in relation to the price of urea and the availability of other nitrogen fertilizers. Although a net exporter of urea during 1979-82, the United States has been a net urea importer since 1983.

The most important nitrogen fertilizer materials exported by the United States are anhydrous ammonia, urea, and ammonium sulfate (table 2 and fig. 3). Nitrogen solutions exports, historically minor and extremely variable, reached their highest level in 1988, when they accounted for 8 percent of total nitrogen exports (fig. 3). Ammonium phosphates have also contributed significantly to total nitrogen exports since 1970; exports of diammonium phosphate (DAP) accounted for almost 45 percent of total nitrogen exports in 1985.

Figure 2 U.S. imports of selected nitrogen materials

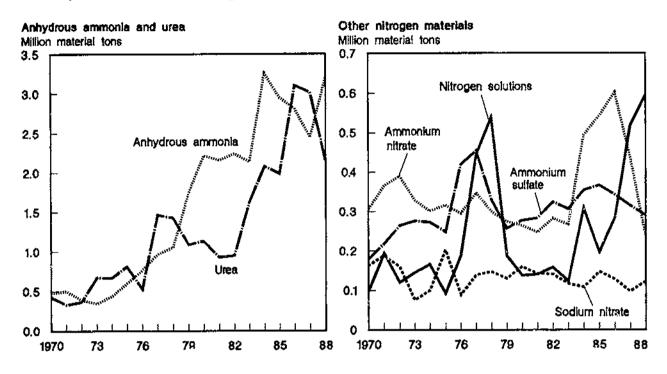
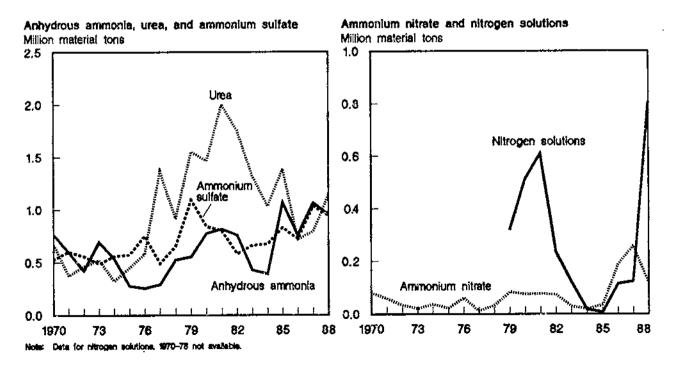


Figure 3
U.S. exports of selected nitrogen materials



Phosphate

The United States became the world's largest phosphate fertilizer exporter during the last decade (fig. 4). The growth in U.S. phosphate fertilizer exports was due primarily to increased exports of DAP, which reached a record 7.9 million tons in 1985 (table 3 and fig. 5). While DAP exports fell to 4.3 million tons in 1986, with drastically decreased shipments to Asian countries, these exports rebounded in 1987 and reached 6.4 million tons in 1988 as shipments to Asian countries increased (table 13).

Concentrated superphosphate exports have remained relatively stable since 1979 (table 4 and fig. 5). Phosphoric acid exports have increased, but compared with the increase in ammonium phosphate exports, the increase has had a smaller effect on phosphate fertilizer exports. Phosphate rock exports reached a high of 17.2 million tons in 1980, but fell in 1988 to under 10 million tons (fig. 5).

Potash

The United States is the world's largest potash importer (fig. 6). U.S. imports of potassium chloride increased steadily during the 1970's as farm demand increased and as Canada discovered and developed vast reserves that could be mined efficiently. In addition to lower production costs, Canada enjoys comparatively low-cost transportation to the large potash markets in the Midwest.

U.S. potassium chloride imports peaked at 9.1 million tons in 1981 as potash consumption reached record levels (table 5 and fig. 7). Potassium chloride imports fell after 1981 in response to a drop in U.S. fertilizer use. The United States also imports small amounts of potassium sulfate to meet certain specific market needs. Potassium sulfate imports have ranged from 29,000 to 93,000 tons since 1970.

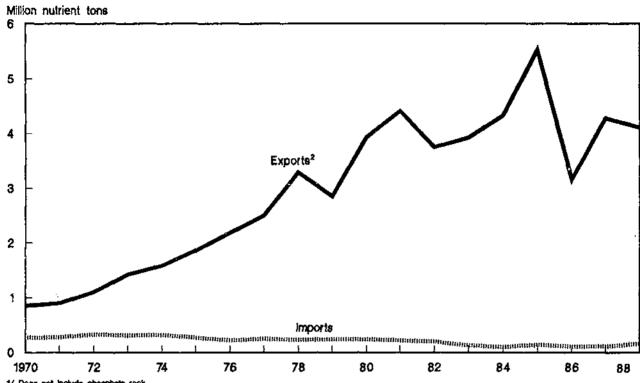
U.S. potash exports generally increased before 1980 because of expanding world demand for fertilizer (table 5 and fig. 7). Since 1980, however, slower growth in world fertilizer use, along with increased competition from other potash-producing nations, has caused U.S. potash exports to decline. Potassium chloride exports, which reached 1.3 million tons in 1977, fell to 528,000 tons in 1988.

U.S. Share of World Imports

The U.S. share of world nitrogen fertilizer imports increased from 12 percent of 1970 world totals to nearly 24 percent by 1984, as nitrogen fertilizers produced in countries with less expensive gas supplies moved into the higher priced, less competitive U.S. market (table 6 and fig. 8). The U.S. share has since declined and stood at 21 percent in 1987. At the same time, world nitrogen imports continued to increase, while U.S. imports stabilized.

The United States has never imported a significant quantity of phosphate fertilizers relative to other fertilizers. Phosphate fertilizer imports have ranged from 100,000 to 330,000 tons of P_2O_5 during 1970-88. The U.S. share of world phosphate imports declined from almost 10 percent in 1972 to just over 1 percent in 1987 as world imports increased while U.S. imports declined.

Flore 4 U.S. phosphate fertilizer trade¹



Does not include phosphate rock.
 Before 1988, U.S. phosphate exports included both wet-process phosphoric sold and superphosphoric sold. Superphosphoric sold reports were discontinued after June 1985; 1985–88 data are no longer comperable with 1985 and earlier years.

Figure 5 U.S. exports of selected phosphate materials and phosphate rock

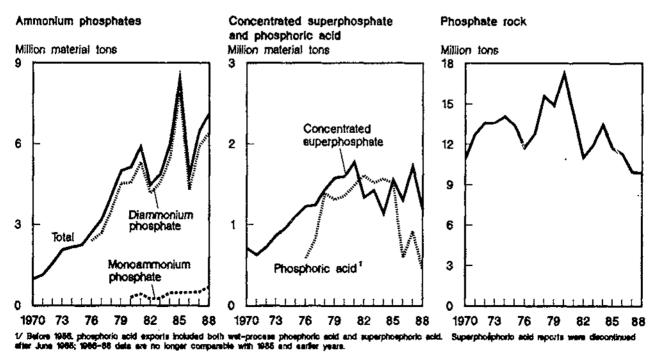
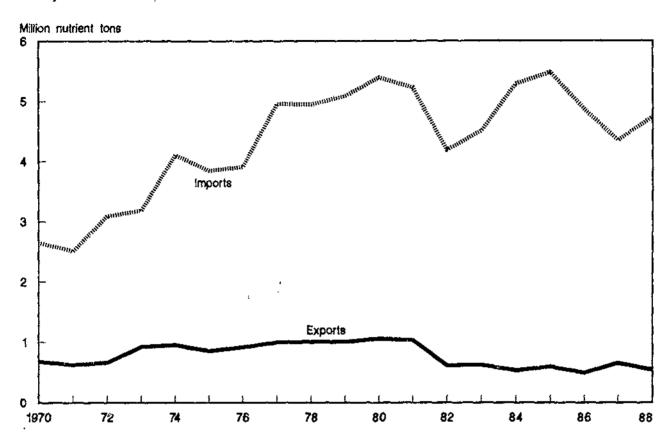


Figure 6 U.S. potash fertilizer trade



Flows 7
U.S. imports and exports of selected potash materials

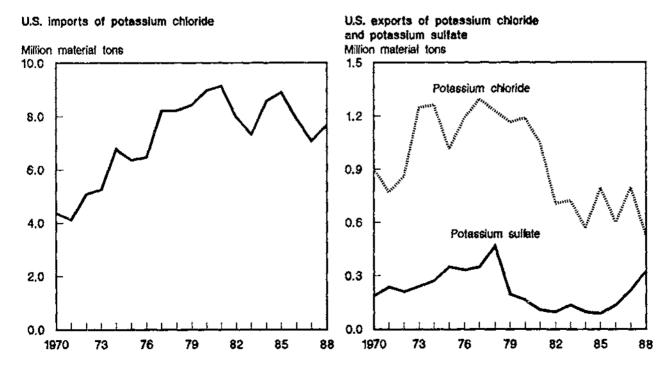
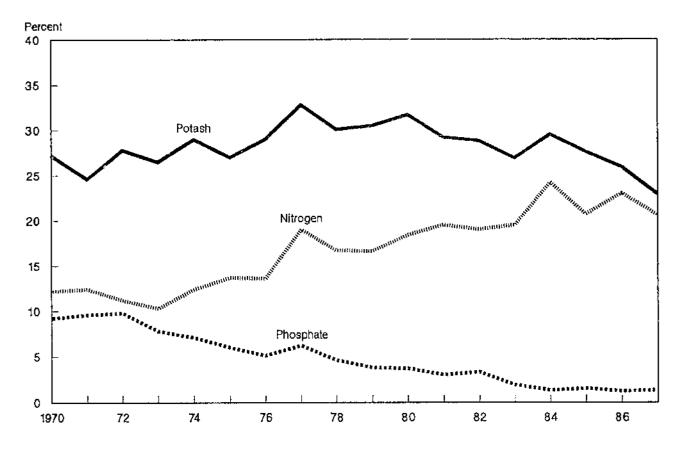


Figure 8
U.S. share of world fertilizer imports



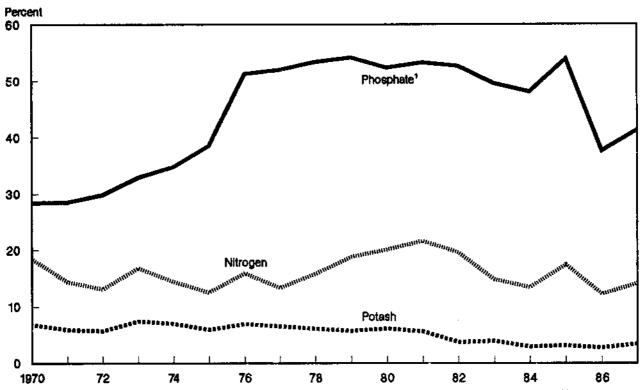
The United States has accounted for about a fourth to a third of total world potash imports since 1970. World and U.S. imports of potash have each increased. World potash imports increased by about 10 million tons during 1970-85, while U.S. imports increased by almost 3 million tons.

U.S. Share of World Exports

Anhydrous ammonia, urea, ammonium sulfate, and DAP are the primary contributors to U.S. nitrogen fertilizer exports. The steady increase in DAP exports added significantly to U.S. nitrogen exports from 1970 to 1981, when the U.S. share of world nitrogen exports peaked at almost 22 percent. The U.S. share varied considerably during this period due to changing levels of anhydrous ammonia and urea exports (table 7 and fig. 9).

After 1981, increased volatility in DAP exports also contributed to fluctuating levels of nitrogen exports, while exports of anhydrous ammonia and urea became even more variable. For example, the United States exported a record 3.2 million tons of nitrogen during 1985, accounting for over 17 percent of total world nitrogen exports, as U.S. exports of anhydrous ammonia and DAP reached record levels. The U.S. share fell to 12 percent by 1986, however, as exports of anhydrous ammonia, urea, and DAP declined significantly.

Figure 9 U.S. share of world fertilizer exports



1/ Does not include phosphete rook. Before 1986, U.S. phosphete exports included both wet-process phosphoric acid apperphosphoric acid reports were discontinued after June 1985; 1986-88 data are no longer comparable with 1985 and earlier years.

U.S. phosphate fertilizer production has accounted for approximately one-fourth of total world production since 1970. The U.S. phosphate fertilizer industry is one of the world's lowest cost producers of phosphate fertilizers, allowing U.S. products to compete effectively in the world market.

DAP became the most important U.S. fertilizer export item during the 1980's. Growth in U.S. DAP exports has accounted for most of the increase in the U.S. share of world phosphate exports, from about 28 percent in 1970 to almost 54 percent in 1985.

The decline in the competitive position of the U.S. potash industry since 1980 has been the major reason for the decline in the U.S. share of world potash fertilizer exports. The U.S. share of the world potash market has been cut in half, falling from almost 6.8 percent in 1970 to 3.4 percent in 1987.

Regional Trade Patterns By Nutrient

Regional shifts in world fertilizer production and consumption have affected country origins of U.S. fertilizer imports and country destinations of fertilizer exports. Increased fertilizer use in Asia, slower growth of fertilizer use in Western Europe, and increased phosphate fertilizer production in Africa have affected U.S. export patterns. Increased nitrogen and potash production in Canada and increased nitrogen fertilizer production in Latin American and Eastern Europe have affected U.S. fertilizer imports.

Nitrogen

Canada has become the top U.S. supplier of nitrogen fertilizer imports, providing almost 50 percent of the total in 1988, including 47 percent of the anhydrous ammonia and 55 percent of the urea (tables 8 and 9). Other major U.S. suppliers of nitrogen fertilizers include the Soviet Union, Trinidad and Tobago, and Europe.

The share of U.S. anhydrous ammonia exports going to Europe fell from 83 percent in 1970 to 33 percent in 1988 (table 10). Increased anhydrous ammonia production by Eastern European countries has forced the United States to relinquish market share in Western Europe. Meanwhile, the Asian market, with its huge nitrogen fertilizer deficit, has become an important alternate market for U.S. nitrogen fertilizer.2/ Asia's share of anhydrous ammonia exports increased from 5 percent in 1970 to 49 percent by 1985, and stood at 29 percent in 1988, with South Korea accounting for 92 percent of the Asian total. The African market has also become important, taking one-fourth of U.S. anhydrous ammonia exports in 1988.

Important markets for U.S. urea exports have included Asia and Latin America (table 11).3/ Asia, historically a strong but highly variable region for U.S. nitrogen exports, received 53 percent of total urea exports in 1988, with China the primary destination. Latin America's share of U.S. urea exports fell from 40 percent in 1985 to 21 percent in 1988 as shipments to Central America declined. Urea exports to Europe have risen, particularly in 1988.

Latin America has been a major market for U.S.-produced ammonium sulfate (table 12). In 1988, 51 percent of ammonium sulfate exports went to Brazil, while another 21 percent was marketed in other Latin American countries.

Phosphate

DAP has been the most popular U.S. phosphate fertilizer export, typically accounting for 90 percent or more of U.S. ammonium phosphate exports. Europe, Asia, and Latin America have been the traditional markets for DAP since 1970 (table 13). But Latin America's share of U.S. DAP exports dropped from 26 percent in 1970 to 14 percent in 1988, while Asia's share increased from 27 percent to 50 percent. China, India, Pakistan, and Japan have been the major Asian DAP customers.

Latin America, Europe, and Asia have also been the major markets for U.S. concentrated superphosphate (table 14). Latin America took about 60 percent of U.S. concentrated superphosphate exports in 1970, while Europe and Asia took 21 percent and 16 percent. Although shipments to Latin America have remained strong, particularly to Brazil and Chile, exports to Asia have fallen since 1985, while exports to Europe fell significantly in 1988. Latin America and Asia were the most important markets for U.S. phosphoric acid before 1980 (table 15). Brazil was the principal customer in Latin America, while India was the major Asian purchaser. After 1980, however,

^{2/} A significant amount of nitrogen fertilizer also gets exported into the Asian market in the form of ammonium phosphates, primarily as diammonium phosphate (see table 13).

³/ Latin America includes both Central and South America.

Latin America's share declined as Brazil purchased phosphoric acid from north African producers. Meanwhile, the Soviet Union initiated a new agricultural policy emphasizing increased phosphate fertilizer use as an adjunct to expanding their agricultural production. The United States became the principal supplier of phosphoric acid for the Soviet expansion in phosphate fertilizer use, increasing the Soviet Union's share of U.S. phosphoric acid exports to 34 percent by 1985.4/

Europe, Canada, and Asia, particularly Japan and South Korea, remain major purchasers of U.S. phosphate rock (table 16). These regions, which accounted for 87 percent of total phosphate rock exports in 1970, took 89 percent of the total in 1988. Export shares to Latin America and Western Europe have declined, however, as a result of increased competition from north African producers.

Potash

Canadian imports dominated the U.S. potassium chloride market (table 17). From 1970 to 1987, 93 percent or more of potassium chloride imports came from Canada. Israel was the only other significant supplier of potash fertilizer over this period. In 1988, however, East Germany, Israel, and the Soviet Union supplied over 10 percent of total U.S. potash imports, while Canada's share dropped to 88 percent as an antidumping case resulted in higher prices for Canadian potassium chloride.

Latin America became an increasingly important export market for U.S. potassium chloride from 1970 to 1988 (table 18). Latin America's share of potassium chloride exports increased from 35 to 84 percent during that period, while the share of shipments to the Asian market dropped from 42 to 8 percent and Oceania's share fell from 20 to 1 percent. Deterioration in the competitive position of the U.S. potash industry before 1985 had reduced U.S. potash exports to Asia. However, because of its closer proximity to Latin America, the United States has been able to compete more effectively in that market. Competition from Eastern Europe reduced the Latin America share in 1986 and 1987, while the share to Asia increased because of increased exports to Japan, India, China, and Hong Kong.

References

- (1) Food and Agriculture Organization, <u>FAO Fertilizer Yearbook</u>. Rome, Italy. Statistics Division, Vol. 37, 1987 and earlier issues.
- (2) U.S. Department of Commerce, Bureau of the Census, <u>U.S. Exports Commodity</u> and Country, 1988 and earlier issues.
- (3) U.S. Imports Commodity and Country, 1988 and earlier issues.

^{4/} Exports of phosphoric acid to the Soviet Union are primarily in the form of superphosphoric acid. U.S. export data for superphosphoric acid were discontinued after 1985; 1986-88 data are no longer comparable with 1985 and earlier years.

Table 1--U.S. imports of selected nitrogen fertilizer materials

| Year ending June 30 | | Anhydrous ammonia | Ammonium nitrate | Ammonium sulfate | Sodium nitrate | Urea | Nitrogen solutions | | | | | | | | |
|---------------------------|----|----------------------|---------------------|---------------------|-------------------|----------|-----------------------|--|--|--|--|--|--|--|--|
| | : | 1,000 material tons | | | | | | | | | | | | | |
| 1970 | : | 477 | 306 | 179 | 164 | 424 | 98 | | | | | | | | |
| 1971 | : | 501 | 366 | 219 | 188 | 330 | 194 | | | | | | | | |
| 1972 | : | 393 | 390 | 264 | 160 | 365 | 120 | | | | | | | | |
| 1973 | : | 343 | 329 | 276 | 75 | 672 | 145 | | | | | | | | |
| 1974 | : | 438 | 301 | 273 | 100 | 668 | 166 | | | | | | | | |
| 1975 | : | 598 | 316 | 248 | 202 | 812 | 92 | | | | | | | | |
| 1976 | : | 767 | 295 | 420 | 89 | 528 | 188 | | | | | | | | |
| 1977 | : | 968 | 347 | 454 | 139 | 1,466 | 444 | | | | | | | | |
| 1978 | : | 1,054 | 300 | 330 | 147 | 1,430 | 538 | | | | | | | | |
| 1979 | : | 1,743 | 274 | 257 | 130 | 1,090 | 187 | | | | | | | | |
| | : | | | | | 1,000 | 101 | | | | | | | | |
| 1980 | : | 2,219 | 264 | 277 | 160 | 1,136 | 138 | | | | | | | | |
| 1981 | : | 2,161 | 247 | 283 | 142 | 931 | 140 | | | | | | | | |
| 1982 | : | 2,243 | 282 | 324 | 141 | 952 | 158 | | | | | | | | |
| 1983 | : | 2,144 | 267 | 306 | 117 | 1,636 | 124 | | | | | | | | |
| 1984 | : | 3,259 | 493 | 354 | 108 | 2,083 | 308 | | | | | | | | |
| 1985 | : | 2,956 | 5 4 2 | 366 | 147 | 1,990 | 197 | | | | | | | | |
| 1986 | : | 2,815 | 601 | 342 | 128 | 3,105 | 284 | | | | | | | | |
| 1987 | : | 2,449 | 440 | 315 | 97 | 3,020 | 517 | | | | | | | | |
| 1988 | : | 3,200 | 238 | 290 | 122 | 2,155 | 595 | | | | | | | | |
| | .: | | | | | , | | | | | | | | | |

Source: (3).

Table 2--U.S. exports of selected nitrogen fertilizer materials

| ammonia | Ammonium nitrate | Ammonium sulfate | Urea | Nitrogen solutions |
|----------|---|--|---|--|
| : | 1,00 | 0 material t | ons | |
| 765 | 81 | 528 | 671 | NA |
| 598 | 59 | 601 | 374 | NA |
| 421 | 34 | 558 | 464 | NA |
| 694 | 21 | 486 | 523 | NA |
| 532 | 37 | 557 | 323 | NA |
| 277 | 22 | 572 | 450 | NA |
| 255 | 61 | 752 | 581 | NA |
| 291 | 11 | 491 | 368 | NA |
| 524 | 32 | 652 | 917 | NA |
| 553 | 83 | 1,093 | 1,550 | 319 |
| | | | | |
| 776 | 75 | 841 | 1,467 | 513 |
| 816 | 77 | 800 | 2,003 | 610 |
| 758 | 73 | 580 | 1,753 | 235 |
| 426 | | 661 | 1,317 | 121 |
| 390 | 19 | 672 | 1,033 | 17 |
| 1,069 | 34 | 829 | 1,388 | 7 |
| 759 | 188 | 721 | 718 | 113 |
| 1,062 | 258 | 1,031 | 790 | 123 |
| 953 | 120 | 943 | 1,133 | 806 |
| | 598 421 694 532 277 255 291 524 553 776 816 758 426 390 1,069 759 1,062 | 765 81 598 59 421 34 694 21 532 37 277 22 255 61 291 11 524 32 553 83 776 75 816 77 758 73 426 29 390 19 1,069 34 759 188 1,062 258 | 765 81 528 598 59 601 421 34 558 694 21 486 532 37 557 277 22 572 255 61 752 291 11 491 524 32 652 553 83 1,093 776 75 841 816 77 800 758 73 580 426 29 661 390 19 672 1,069 34 829 759 188 721 1,062 258 1,031 | 598 59 601 374 421 34 558 464 694 21 486 523 532 37 557 323 277 22 572 450 255 61 752 581 291 11 491 368 524 32 652 917 553 83 1,093 1,550 776 75 841 1,467 816 77 800 2,003 758 73 580 1,753 426 29 661 1,317 390 19 672 1,033 1,069 34 829 1,388 759 188 721 718 1,062 258 1,031 790 |

NA = Not available. Source: (2).

Table 3--U.S. exports of ammonium phosphates

| Year | : | Ammonium phosphates | | | | | | | | | | |
|-------------------|----|---------------------|-----------|-------------|----------|--|--|--|--|--|--|--|
| ending June 30 | | DAP 1/ | MAP 2/ | Other 3/ | Total 4/ | | | | | | | |
| | : | | 1,000 mat | terial tons | 12.11 | | | | | | | |
| 1970 | : | NА | NA | NA | 986 | | | | | | | |
| 1971 | : | NA | NA | NA | 1,135 | | | | | | | |
| 197 2 | ;` | NA | NA | NA | 1,542 | | | | | | | |
| 1973 | : | NA | NA | NA | 2,060 | | | | | | | |
| 1974 | : | NA | NA | NA | 2,154 | | | | | | | |
| 1975 | : | NA | NA | NA | 2,242 | | | | | | | |
| 1976 | : | 2,415 | NA | 307 | 2,721 | | | | | | | |
| 1977 | : | 2,682 | NA | 486 | 3,168 | | | | | | | |
| 1978 | : | 3,534 | NA | 525 | 4,059 | | | | | | | |
| 1979 | : | 4,531 | NA | 470 | 5,001 | | | | | | | |
| 1980 | ·= | 4,557 | 305 | 272 | 5,134 | | | | | | | |
| 1981 | : | 5,308 | 429 | 150 | 5,887 | | | | | | | |
| 1982 | : | 4,170 | 239 | 54 | 4,463 | | | | | | | |
| 1983 | : | 4,556 | 272 | 41 | 4,869 | | | | | | | |
| 1984 | : | 5,501 | 472 | 28 | 6,001 | | | | | | | |
| 1985 | : | 7,896 | 479 | 66 | 8,440 | | | | | | | |
| 1986 | : | 4,287 | 485 | 57 | 4,829 | | | | | | | |
| 1987 | : | 5,918 | 505 | 78 | 6,500 | | | | | | | |
| 1988 | : | 6,414 | 691 | 25 | 7,130 | | | | | | | |

NA = Not available.

Source: (2).

^{1/} Diammonium phosphate.

^{2/} Monoammonium phosphate.

^{3/} Includes monoammonium phosphate from 1976 to 1979. 4/ Includes diammonium phosphate, monoammonium phosphate, and and other ammonium phosphates.

Table 4--U.S. exports of concentrated superphosphate, phosphoric acid, and phosphate rock

| Year ending June 30 | Concentrated superphosphate | Phosphoric acid 1/ | Phosphate rock |
|---------------------|-----------------------------|-----------------------|-------------------|
| | | 1,000 material tons | 3 |
| 1970 | 710 | NA | 10,973 |
| 1971 : | 627 | NA | 12,758 |
| 1972 : | 724 | NA | 13,580 |
| 1973 : | 865 | NA | 13,588 |
| 1974 : | 957 | NA | 14,051 |
| 1975 : | 1,107 | NA | 13,393 |
| 1976 : | 1,225 | 575 | 11,748 |
| 1977 : | 1,242 | 822 | 12,758 |
| 1978 : | 1,433 | 1,391 | 15,578 |
| 1979 : | 1,577 | 1,311 | 14,882 |
| : | | • | 14,002 |
| 1980 : | 1,597 | 1,358 | 17,226 |
| 1981 : | 1,773 | 1,485 | 14,166 |
| 1982 : | 1,341 | 1,612 | 11,031 |
| 1983 : | 1,426 | 1,522 | 11,912 |
| 1984 : | 1,140 | 1,570 | 13,448 3/ |
| 1985 : | 1,556 | 1,515 | 11,694 3/ |
| 1986 : | 1,308 | 594 2/ | 11,294 3/ |
| L987 : | 1,724 | 921 2/ | 9,933 3/ |
| 1988 : | 1,194 | 448 2/ | 9,869 3/ |

NA = Not available.

^{1/} Includes both wet-process and superphosphoric acid before 1986.

^{2/} Superphosphoric acid exports were discontinued after June 1985; 1986-88 data are no longer comparable with 1985 and earlier years.

^{3/} Effective January 1984, phosphate rock exports include a small tonnage of miscellaneous fertilizers.
Source: (2).

Table 5--U.S. exports and imports of selected potash fertilizer materials

| Vann | Exp | orts | Imports | | | | | |
|---------------------------|-----------------------|----------------------|-----------------------|----------------------|--|--|--|--|
| Year : ending : June 30 : | Potassium chloride | Potassium sulfate | Potassium chloride | Potassium sulfate | | | | |
| : | | 1,000 mate | erial tons | | | | | |
| 1970 1971 | 902 772 | 186 | 4,378 | 70 | | | | |
| 1972 | 859 | 238 211 | 4,115 5,082 | 63 48 | | | | |
| 1973 | 1,247 | 240 | 5,082 | 54 | | | | |
| 1974 | 1,264 | 272 | 6,767 | 74 | | | | |
| 1975 | 1,015 | 350 | 6,359 | 51 | | | | |
| 1976 | 1,188 | 333 | 6,466 | 63 | | | | |
| 1977 : | 1,296 | 350 | 8,211 | 93 | | | | |
| 1978 : | 1,230 | 4 6 8 | 8,215 | 29 | | | | |
| 1979 : | 1,166 | 197 | 8,441 | 40 | | | | |
| : | | | · | | | | | |
| 1980 : | 1,18 9 | 163 | 8,970 | 6 0 | | | | |
| 1981 : | 1,048 | 107 | 9,132 | 34 | | | | |
| 1982 : | 706 | 97 | 7,981 | 31 | | | | |
| 1983 : | 723 | 135 | 7,323 | 31 | | | | |
| 1984 : | 567 | 97 | 8,574 | 68 | | | | |
| 1985 : | 795 | 88 | 8,892 | 68 | | | | |
| 1986 : | 6 02 | 135 | 7,907 | 53 | | | | |
| 1987 : | 797 | 220 | 7,066 | 54 | | | | |
| 1988 : | 528 | 324 | 7,672 | 83 | | | | |

Source: (2, 3).

Table 6--World and U.S. plant nutrient imports

| Year : | : | | Nitroger | 1 | - | Phosphate | • | | Potash | |
|----------|-----|---------|----------|---------------|---------|-----------|---------------|---------|--------|---------------|
| ending : | | orld | U.S. | U.S. share | World | U.S. | U.S. share | World | v.s. | U.S. share |
| : | : | Mill | lion | | Mill | ion | | Mil] | ion | · |
| | | nutrien | | Percent | nutrien | | Percent | nutrier | | Percent |
| 1970 | | 7.07 | 0.86 | 12.2 | 2.92 | 0.27 | 9.2 | 9.74 | 2.65 | 27.2 |
| 1971 : | ; | 7.47 | .93 | 12.4 | 2.92 | .28 | 9.6 | 10.21 | 2.51 | 24.6 |
| 1972 : | : | 7.53 | .84 | 11.2 | 3.37 | .33 | 9.8 | 11.13 | 3.09 | 27.8 |
| 1973 : | : | 8.55 | .88 | 10.3 | 3.99 | .31 | 7.8 | 12.02 | 3.19 | 26.5 |
| 1974 : | ; | 8.65 | 1.07 | 12.4 | 4.49 | .32 | 7.1 | 14.19 | 4.11 | 29.0 |
| 1975 : | | 8.77 | 1.20 | 13.7 | 4.50 | .27 | 6.0 | 14.28 | 3.85 | 25.0 27.0 |
| 1976 : | | 8.97 | 1.22 | 13.6 | 4.34 | .22 | 5.1 | 13.48 | 3.91 | 29.0 |
| 1977 : | | 9.67 | 1.84 | 19.0 | 4.06 | .25 | 6.2 | 15.11 | 4.96 | 32.8 |
| 1978 : | : 1 | 1.22 | 1.87 | 16.7 | 4.97 | -23 | 4.6 | 16.42 | 4.95 | 30.1 |
| 1979 : | : 1 | 3.07 | 2.17 | 16.6 | 6.35 | .24 | 3.8 | 16.71 | 5.09 | 30.5 |
| : | | | | | 0.00 | -21 | 0.0 | 10.11 | 3.00 | 50.5 |
| 1980 : | : 1 | 3.93 | 2.57 | 18.4 | 6.43 | .24 | 3.7 | 17.06 | 5.40 | 31.7 |
| 1981 : | 1 | 4.36 | 2.80 | 19.5 | 7.27 | .22 | 3.0 | 17.91 | 5.23 | 29.2 |
| 1982 : | 1 | 3.54 | 2.57 | 19.0 | 6.08 | .20 | 3.3 | 17.03 | 4.91 | 28.8 |
| 1983 : | 1 | 4.19 | 2.77 | 19.5 | 7.00 | .13 | 1.9 | 16.74 | 4.51 | 26.9 |
| 1984 : | | 6.64 | 4.02 | 24.2 | 7.47 | .10 | 1.3 | 17.92 | 5.29 | 29.5 |
| 1985 : | 1 | 8.05 | 3.73 | 20.7 | 9.25 | .14 | 1.5 | 19.88 | 5.48 | 27.6 |
| 1986 : | | 8.01 | 4.14 | 23.0 | 9.06 | -11 | 1.2 | 18.77 | 4.87 | 25.9 |
| 1987 : | | 8.52 | 3.81 | 20.6 | 8.34 | .11 | 1.3 | 19.03 | 4.35 | 22.9 |
| 1988 : | | NA | 3.98 | NA | NA | .16 | NA | NA | 4.74 | NA |
| : | | | | | | | 141 | 1421 | 7.17 | MA. |

NA = Not available. Source: $(\underline{1}, \underline{3})$.

Table 7--World and U.S. plant nutrient exports

| Year | : | _ | Nitroger | n . | F | hosphate 1, | / | Potash | | | |
|-------------------|---|-----------------|----------|---------------|-----------------|-------------|---------------|---------|---------|---------------|--|
| ending June 30 | | World | V.S. | V.S. share | World | U.S. | U.S. share | World | U.S. | U.S. share | |
| | : | Mill nutrien | | Percent | Mill nutrien | Million | | Mill | | D | |
| | • | 11401 1011 | o come | rercent | nucrien | it cons | Percent | mutrien | it tons | Percent | |
| 1970 | : | 7.19 | 1.33 | 18.5 | 2.99 | 0.85 | 28.4 | 9.95 | 0.68 | 6.8 | |
| 1971 | : | 7.51 | 1.08 | 14.4 | 3.16 | .90 | 28.5 | 10.44 | .62 | 5.9 | |
| 1972 | : | 7.89 | 1.03 | 13.1 | 3.69 | 1.10 | 29.8 | 11.48 | .66 | 5.7 | |
| 1973 | : | 8.99 | 1.51 | 16.8 | 4.32 | 1.42 | 32.9 | 12.37 | .92 | 7.4 | |
| 1974 | : | 8.85 | 1.27 | 14.4 | 4.54 | 1.58 | 34.8 | 13.65 | .95 | 7.0 | |
| 1975 | : | 8.98 | 1.12 | 12.5 | 4.83 | 1.86 | 38.5 | 14.30 | .85 | 5.9 | |
| 1976 | : | 7.82 | 1.24 | 15.9 | 4.25 | 2.18 | 51.3 | 13.10 | .91 | 6.9 | |
| 1977 | : | 9.39 | 1.25 | 13.3 | 4.81 | 2.50 | 52.0 | 15.15 | .99 | 6.5 | |
| 1978 | : | 11.29 | 1.78 | 15.8 | 6.16 | 3.29 | 53.4 | 16.48 | 1.00 | 6.1 | |
| 1 9 79 | : | 13.12 | 2.47 | 18.8 | 7.10 | 3.85 | 54.2 | 17.45 | 1.00 | 5.7 | |
| | : | | | | | - | | 2 | 4.00 | 0., | |
| 1980 | : | 13.12 | 2.64 | 20.1 | 7.50 | 3.93 | 52.4 | 17.25 | 1.05 | 6.1 | |
| 1981 | : | 14.50 | 3.13 | 21.6 | 8.27 | 4.41 | 53.3 | 18.43 | 1.03 | 5.6 | |
| 1.982 | : | 12.74 | 2.50 | 19.6 | 7.11 | 3.75 | 52.7 | 16.43 | .61 | 3.7 | |
| 1983 | : | 13.47 | 2.00 | 14.8 | 7.91 | 3.92 | 49.6 | 15.73 | .62 | 3.9 | |
| 1984 | : | 15.30 | 2.05 | 13.4 | 9.00 | 4.33 | 48.1 | 18.22 | .53 | 2.9 | |
| 1985 | : | 18.37 | 3.20 | 17.4 | 10.26 | 5.53 | 53.9 | 18.86 | .59 | 3.1 | |
| 1986 | : | 16.84 | 2.05 | 12.2 | 8.41 | 3.16 2/ | 37.6 2/ | 18.39 | .49 | 2.7 | |
| 1987 | : | 19.23 | 2.71 | 14.1 | 10.36 | 4.28 2/ | 41.3 2/ | 19.26 | .65 | 3.4 | |
| 1988 | : | NA | 3.03 | NA | NA | 4.11 2/ | NA D | NA | .54 | NA | |

NA = Not available.

Source: $(\underline{1}, \underline{2})$.

^{1/} Does not include phosphate rock.

^{2/} Before 1986, U.S. phosphate exports included both wet-process phosphoric acid and superphosphoric acid. Superphosphoric acid exports were discontinued after June 1985; 1986-88 data are no longer comparable with 1985 and earlier years.

Table 8--U.S. imports of anhydrous ammonia, selected market areas and years 1/

| Country of origin 2/ | : : 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 |
|----------------------|-------------|---------|------------|-----------|-----------|-----------|-----------|------|--------|------|--------|------|--------------|------|
| | : | | | Short to | ns | | | | | | Percer | it | | |
| Canada | : 182,741 | 92,370 | 542,816 | 998,476 | 1,208,432 | 1,167,792 | 1,493,341 | 38 | 15 | 24 | 34 | 43 | 48 | 47 |
| Mexico | : 0 | 4,981 | 383,906 | 186,644 | 130,349 | 24,644 | 207,403 | 0 | 1 | 17 | 6 | 5 | 1 | 6 |
| Netherlands Antilles | : 17,389 | 80,563 | 8,774 | 0 | 9,508 | 0 | 0 | 4 | 13 | 4/ | 0 | 4/ | 0 | 0 |
| Trinidad and Tobago | : 272,013 | 143,427 | 345,569 | 701,288 | 470,441 | 378,461 | 372,443 | 57 | 24 | 16 | 24 | 17 | 15 | 12 |
| Central America 3/ | : 289,402 | 228,971 | 738,249 | 887,932 | 610,298 | 403,105 | 579,846 | 61 | 38 | 33 | 30 | 22 | 16 | 18 |
| Venezuela | : 0 | 15,971 | 650 | 44,109 | 20,939 | 17,412 | 13,791 | 0 | 3 | 4/ | 1 | 1 | 1 | 4/ |
| South America, other | : 0 | 7,495 | 0 | 0 | 0 | 3,231 | 141 | 0 | 1 | 0 | 0 | 0 | 4/ | 4/ |
| South America | : 0 | 23,466 | 650 | 44,109 | 20,939 | 20,643 | 13,932 | 0 | 4 | 4/ | 1 | 1 | 1 | 4/ |
| Belgium-Luxembourg | : 0 | 32,359 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Italy | : 0 | 0 | 0 | 78,725 | 139,086 | 160,430 | 189,462 | 0 | 0 | 0 | 3 | 5 | 7 | 6 |
| Netherlands | : 5,020 | 42,087 | 11,254 | 12,202 | 0 | 0 | 0 | 1 | 7 | 1 | 4/ | 0 | 0 | 0 |
| Europe, other | : 0 | 11,909 | 0 | 0 | 322 | 0 | 6,353 | 0 | 2 | 0 | 0 | 4/ | 0 | 4/ |
| Europe | 5,020 | 86,355 | 11,254 | 90,927 | 139,408 | 160,430 | 195,815 | 1 | 14 | 1 | 3 | 5 | 7 | 6 |
| Soviet Union | . 0 | 0 | 925,685 | 934,964 | 803,097 | 687,916 | 916,628 | 0 | 0 | 42 | 32 | 29 | 28 | 29 |
| Iran | : 0 | 14,301 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Japan | : 0 | 54,141 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | : 0 | 17,149 | 0 | 0 | | 0 | 0 | 0 | 3 2 | 0 | 0 | 0 | 0 | 0 |
| Qatar | : 0 | 13,730 | 0 | 0 | 23,500 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 |
| United Arab Emirates | : 0 | 17,630 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Asia, other | : 0 | 0 | 7 9 | 0 | 8,909 | 8,837 | 0 | 0 | 0 | 4/ | 0 | 4/ | 4/ | 0 |
| Asia | : 0 | 116,951 | 79 | 0 | 32,409 | 8,837 | 0 | 0 | 20 | 4/ | 0 | 1 | 4/ | 0 |
| Australia | 26 | 50,179 | 0 | 0 | 0 | 0 | 0 | 4/ | 8 | 0 | 0 | 0 | 0 | 0 |
| Africa | : 0 | 0 | 0 | 0 | 56 | 160 | 40 | 0 | 0 | 0 | 0 | 4/ | , 4/ | 4/ |
| Total | : 477,189 | 598,292 | 2,218,733 | 2,956,408 | 2,814,639 | 2,448,883 | 3,199,602 | 100 | 100 | 100 | 100 | 100 | † 100 | 100 |

^{1/} Years ending June 30.

^{2/} Specific countries listed include those that have supplied at least 10,000 short tons of material in any selected year. 3/ Central America includes Caribbean countries.

^{4/} Less than 0.5 percent.

Source: (3).

Table 9--U.S. imports of urea, selected market areas and years 1/

| origin 2/ | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 |
|--------------------------|---------|-----------|----------|------------|-----------|-----------|-----------|------|------|------|------------|------------|----------|----------|
| | · •••• | | | - Short to | ns | | | | | | Perce | nt | | |
| Canada | 170,437 | 149,462 | 740,927 | 879,289 | 1,021,309 | 1,233,413 | 1,187,147 | 40 | 18 | 65 | 44 | 33 | 41 | 55 |
| Cayman Islands | 0 | 0 | 0 | 13,809 | 28,688 | 9,138 | 0 | 0 | o | 0 | 1 | 1 | 4/ | o |
| Mexico : | 1,939 | 2,155 | 0 | 2,054 | 26,917 | 25,348 | 78,764 | 4/ | 4/ | ŏ | 4/ | 1 | 1 | 4 |
| Netherlands Antilles : | 8,397 | 0 | 12,075 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | ٠ <u>٠</u> | ō | 0 | 0 |
| Trinidad and Tobago : | 63,099 | 56,458 | 39,922 | 43,688 | 72,273 | 117,957 | 262,590 | 15 | 7 | 4 | 2 | 2 | 4 | 12 |
| Central America, other : | 0 | 0 | 0 | . 0 | 17 | 0 | | 0 | ó | Õ | õ | 4/ | 0 | 12 |
| Central America 3/ | 73,435 | 58,613 | 51,997 | 59,551 | 127,895 | 152,443 | 341,354 | 17 | 7 | 5 | 3 | 4 | 5 | 16 |
| Venezuela : | 0 | 0 | 0 | 11,491 | 27,224 | 81,991 | 123,656 | 0 | 0 | 0 | 1 | · | з | 6 |
| South America, other : | . 0 | 0 | C | . 0 | 0 | 0 | 75 | ŏ | ŏ | ŏ | ô | ō | Õ | 4/ |
| South America : | . 0 | 0 | 0 | 11,491 | 27,224 | 81,991 | 123,731 | ő | Õ | Õ | 1 | 1 | 3 | 6 |
| Belgium-Luxembourg : | 39,691 | 11,110 | 9,020 | 0 | 0 | 2,755 | 10 | 9 | 1 | 1 | 0 | 0 | 4/ | 4/ |
| East Germany : | 0 | 0 | 0 | 44,643 | 200,646 | 67,559 | ã | Õ | ā | ō | ž | ĕ | 2 | 4/ 0 |
| Finland : | 0 | 0 | 11,684 | 0 | 0 | 0.,000 | ŏ | ŏ | ŏ | 1 | õ | ő | á | 0 |
| Ireland : | 0 | 0 | 13,986 | ō | 60,876 | Õ | ŏ | Õ | Ö | 1 | õ | 2 | Û | ů |
| Italy : | 14,143 | 51,721 | 1 | 59,394 | 27,144 | 182,474 | 28,278 | 3 | 6 | 4/ | 3 | 1 | 6 | - |
| Netherlands : | 82,453 | 421,329 | 202,945 | 130,795 | 180,104 | 236,986 | 181,289 | 19 | 52 | 18 | 7 | 8 | 8 | 1 8 |
| Norway : | 37,720 | 84,837 | 37,935 | 7,718 | 4,600 | 1,102 | 0 | 9 | 10 | 3 | 4/ | 4/ | 4/ | Ô |
| Romania : | 0 | 0 | 32,849 | 346,581 | 409,975 | 111,977 | ŏ | ő | 0 | 3 | 17 | 13 | 4/ | 0 |
| West Germany : | 6 | 11,146 | 33,768 | 33,669 | 56,595 | 29,956 | 118,793 | 4/ | 1 | 3 | 2 | 2 | 1 | 6 |
| Yugoslavia : | 0 | 0 | 0 | 0 | 0 | 89,723 | 20,120 | 70 | ō | õ | 0 | á | 3 | - |
| Burope, other : | 56 | 10,448 | 39 | 6 | 1,383 | 1,140 | 131 | 4/ | í | 4/ | 4/ | 4/ | | 1 |
| Europe : | 174,069 | 590,591 | 342,227 | 622,806 | 941,323 | 723,672 | 348,621 | 41 | 73 | 30 | 31 | 3 0 | 4/ 24 | 4/ 16 |
| Soviet Union : | 0 | 0 | 0 | 357,171 | 706,455 | 362,322 | 1,105 | 0 | 0 | 0 | 18 | 23 | 12 | 4/ |
| Indonesia : | 0 | 0 | 0 | 0 | 23,234 | 33,629 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Kuwait : | 0 | 0 | 0 | 0 | 0 | 114,919 | 7,317 | ŏ | ŏ | ŏ | ő | ò | 4 | 4/ |
| Malaysia : | 0 | 0 | 0 | 0 | 22,567 | 55,686 | 48,599 | ŏ | Ö | ō | Õ | ĭ | 2 | 2 |
| Qatar : | 0 | 0 | 0 | 13,806 | 113,584 | 60.058 | 0 | ō | Õ | ō | 1 | 4 | 2 | õ |
| Saudi Arabia : | 0 | 0 | 0 | 0 | 52,907 | 0 | ū | Ď | Õ | ŏ | ō | ž | ດ້ | ŏ |
| United Arab Emirates : | 0 | 0 | 0 | 0 | 0 | 117,946 | 23,148 | ŏ | ŏ | ŏ | ŏ | ō | 4 | 1 |
| Asia, other : | 5,636 | 13,176 | 866 | 262 | 427 | 136 | 452 | 1 | 2 | 4/ | 4/ | 4/ | 4/ | 4/ |
| Asia : | 5,636 | 13,176 | 866 | 14,068 | 212,719 | 382,374 | 79,516 | 1 | 2 | 4/ | 1 | 7 | 13 | 4 |
| New Zealand | 0 | . 0 | 0 | 36,630 | 67,622 | 84,115 | 21,991 | 0 | o | 0 | 2 | 2 | 3 | 1 |
| Oceania, other : | 0 | 0 | 0 | 0 | 115 | 01,110 | 22 | Õ | ŏ | Ö | ő | 4/ | 0 | 4/ |
| Oceania : | 0 | 0 | 0 | 36,630 | 67,737 | 84,115 | 22,013 | ŏ | ŏ | ő | 2 | 2 | 3 | 1 |
| Nigeria : | 0 | 0 | 0 | 0 | 0 | 0 | 51,872 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Africa, other : | 0 | 0 | 0 | 8,737 | ō | ŏ | 8 | Ö | Û | Ö | 4/ | a | 0 | 4/ |
| Africa : | 0 | 0 | 0 | 8,737 | 0 | Ŏ | 51,880 | ŏ | Õ | ŏ | 4/ | Ö | Ų. | 2 |
| [otal : | 423,577 | 811,842 1 | ,136,017 | 1,989,743 | 3,104,662 | 3,020,330 | 2.155.367 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^{1/} Years ending June 30.
2/ Specific countries listed include those that have supplied at least 10,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.

^{4/} Less than 0.5 percent.

Source: (3).

Table 10--U.S. exports of anhydrous ammonia, selected market areas and years 1/

| Country of destination 2/ | : : 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 |
|---------------------------|----------------|---------|---------|-------------|---------|-----------|---------|------|------|------|-------|------|------|------|
| | : | | | - Short ton | g | | | | | | Perce | nt | | |
| Canada | : : 356 | 15,875 | 49,012 | 46,679 | 18,008 | 15,118 | 9,145 | 4/ | 6 | 8 | 4 | 2 | 1 | 1 |
| Mexico | : 23,366 | 43,225 | 28,194 | 49,662 | 22 | 110,188 | 49,373 | 3 | 17 | 4 | 5 | 4/ | 10 | 5 |
| Trinidad and Tobago | : 16,976 | 61,781 | 0 | 0 | 19,288 | 0 | 4 | 2 | 24 | 0 | 0 | 3 | 0 | 4/ |
| Central America, other | : 2,161 | 340 | 13,204 | 742 | 22,464 | 6,050 | 25,391 | 4/ | 4/ | 2 | 4/ | 3 | 1 | 3 |
| Central America 3/ | : 42,503 | 105,346 | 41,398 | 50,404 | 41,774 | 116,238 | 74,768 | 6 | 41 | 5 | 5 | 6 | 11 | 8 |
| Brazil | : : 13,905 | 50,943 | 97,346 | 18,762 | 0 | 22,412 | 20,931 | 2 | 20 | 13 | 2 | 0 | 2 | 2 |
| South America, other | : 121 | 6 | 64 | 1,665 | 141 | 34 | 14,241 | 4/ | 4/ | 4/ | 4/ | 4/ | 4/ | 1 |
| South America | : 14,026 | 50,949 | 97,410 | 20,427 | 141 | 22,446 | 35,172 | 2 | 20 | 13 | 2 | 4/ | 2 | 4 |
| Belgium-Luxembourg | : 137,373 | 0 | 27,831 | 164,127 | 33,069 | 118,711 | 55,145 | 18 | 0 | 4 | 15 | 4 | 11 | 6 |
| Denmark | : 76,427 | 0 | 7,881 | O | 0 | 0 | 9,259 | 10 | 0 | 1 | 0 | 0 | 0 | 1 |
| Finland | : 60,632 | 0 | 166,858 | 0 | 17,674 | 17,666 | 95,085 | 8 | 0 | 22 | Ð | 2 | 2 | 10 |
| France | : 0 | 41,920 | 18,584 | 67,123 | 413 | 0 | 0 | 0 | 16 | 2 | 6 | 4/ | 0 | 0 |
| Netherlands | : 82,690 | Ō | 16,298 | 46,118 | 14 | 0 | 31 | 11 | 0 | 2 | 4 | 4/ | 0 | 4/ |
| Norway | : 59,035 | Q. | 45,998 | 12,671 | 0 | 76,383 | 117,928 | 8 | 0 | 6 | 1 | 0 | 7 | 12 |
| Portugal | : 0 | 0 | 0 | . 0 | 44,115 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| Spain | : 63,540 | 7,620 | 48,189 | | 136,005 | 85,873 | 40,625 | B | 3 | 6 | 6 | 18 | 8 | 4 |
| Sweden | : 0 | 0 | 0 | - | 0 | 25,289 | 0 | Q | 0 | 0 | 0 | 0 | 2 | 0 |
| Turkey | : 0 | 9,996 | 119,916 | 16,310 | 44,698 | 0 | 0 | 0 | 4 | 15 | 2 | 6 | 0 | 0 |
| United Kingdom | : 143,784 | 21 | 35 | 1 | 13 | 4 | 83 | 19 | 0 | 4/ | 4/ | 4/ | 4/ | 4/ |
| West Germany | : 0 | 0 | 46,571 | 0 | 9 | 11,023 | 0 | 0 | 0 | 6 | 0 | 4/ | 4/ | 0 |
| Europe, other | : 7,568 | 10,251 | 14,822 | 0 | PEG 010 | 20,360 | 0 | 1 | 4 | 2 | 0 | 0 | 2 | 0 |
| Europe | : 631,049 : | 69,808 | 512,983 | 368,855 | 276,010 | 355,309 | 318,156 | 83 | 27 | 66 | 35 | 36 | 33 | 33 |
| Philippines | 8,188 | 0 | 0 | 51,305 | 22,020 | 3,823 | 0 | 1 | 0 | 0 | 5 | 3 | 4/ | 0 |
| South Korea | : 0 | _0 | 0 | 379,860 | 241,115 | 329,408 | 256,655 | 0 | 0 | 0 | 36 | 32 | 31 | 27 |
| Taiwan | : 0 | 24 | 0 | , | 51,728 | 35,594 | 21,761 | 0 | 4/ | 0 | 5 | 7 | 3 | 2 |
| Asia, other | : 29,194 | 110 | 179 | 38,533 | 17,756 | 9,049 | 72 | 4 | 4/ | 4/ | 4 | 2 | 1 | 4/ |
| Asia | : 37,382 : | 134 | 179 | 521,641 | 332,619 | 377,874 | 278,488 | 5 | 4/ | 4/ | 49 | 44 | 36 | 29 |
| Oceania | 10,746 | 0 | 41 | 0 | 0 | 11,024 | 5 | 1 | 0 | 4/ | 0 | 0 | 1 | 4/ |
| Algeria | : : 26,963 | 15,169 | 14,509 | 0 | 0 | 0 | 0 | 4 | 6 | 2 | 0 | 0 | 0 | 0 |
| Morocco | : 0 | 0 | 0 | 8,101 | 0 | 4,409 | 26,761 | 0 | 0 | 0 | 1 | 0 | 4/ | 3 |
| Mozambique | : 0 | 0 | 35,947 | 0 | 0 | 5,538 | 0 | 0 | 0 | 5 | 0 | 0 | 1 | 0 |
| South Africa | : 0 | 0 | 0 | 35,598 | 0 | 71,248 | 109,906 | 0 | 0 | 0 | 3 | 0 | 7 | 12 |
| Tunisia | : 0 | 0 | 0 | 6,350 | 83,175 | 67,526 | 76,719 | 0 | 0 | 0 | 1 | 11 | 6 | 8 |
| Africa, other | : 1,624 | 508 | 24,282 | 10,585 | 7,363 | 15,301 | 24,164 | 4/ | 4/ | 3 | 1 | 1 | 1 | 3 |
| Africa | 28,587 | 15,677 | 74,738 | 60,634 | 90,538 | 164,022 | 237,550 | 4 | 6 | 10 | 6 | 12 | 15 | 25 |
| Total | : 764,649 | 257,789 | 775,761 | 1,068,640 | 759,090 | 1,062,031 | 953,284 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^{1/} Years ending June 30.
2/ Specific countries listed include those that received at least 25,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.

^{4/} Less than 0.5 percent. Source: (2).

Table 11--U.S. exports of urea, selected market areas and years 1/

| 0 11, 0 19, .7 23, .64 54, .9 13, 0 3, 0 0 9 4, 8 21, 0 0 3, 0 2 1 3 3, 0 0 0 | 305 184 : 758 : 011 0 0 704 473 : 22 492 0 26 0 0 540 | 85,561 45,951 36,425 101,379 81,026 263,781 425,645 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 0 191,048 | Short ton 146,463 22,209 23,902 0 50,279 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 88 6,444 6,532 118,433 | 100,530 3,288 57,080 99 44,193 104,660 0 76,428 63,709 37,824 167 178,128 0 0 9 0 42 51 | 98,082 0 22,638 16,784 37,646 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 50,765 | 65,360 0 0 129 17,373 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 187,625 | 4/ 0 0 0 2 4/ 2 4/ 2 4/ 0 0 0 4/ 4/ 4/ 1 | 1 3 4 0 5 12 3 1 0 0 1 5 4/ 1 0 4/ 0 1 | 6 3 2 7 6 18 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | Perce 11 2 2 0 4 7 4/ 7 2 2 1 13 0 0 4/ 4/ 4/ 4/ 4/ 4/ 4/ 4/ 4/ 4/ 4/ 4/ 4/ | ent 14 4/ 8 4/ 6 15 0 11 9 5 4/ 25 0 4/ 4/ 4/ | 12 0 3 2 5 10 0 18 3 3 4/ 24 4/ 6 0 4/ 1 6 | 6 0 0 4/ 2 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
|---|---|--|--|---|--|--|---|---|--|---|---|---|---|
| 0 11, 0 19, 7 23, 64 54, 89 13, 0 3, 0 0 9 4, 8 21, 0 0 0 3, 0 2 1 3 3, 0 0 | 282 597 0 305 184 : 758 011 0 0 704 473 : 22 492 0 26 0 540 | 45,951 35,425 101,379 81,026 263,781 425,645 84,230 17,734 4,794 14,457 546,870 9 417 926 48 4,317 5,717 | 22,209 23,902 0 50,279 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 | 3,288 57,080 99 44,193 104,660 0 76,428 63,709 37,824 167 178,128 0 0 9 0 42 51 | 0 22,638 16,784 37,646 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 0 0 129 17,373 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 0 2 4/ 2 4/ 0 0 0 4/ 4/ 4/ | 3 4 0 5 12 3 1 0 0 1 5 4/ 1 0 4/ 0 | 3 2 7 6 16 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ | 11 2 2 0 4 7 4/ 7 2 2 1 13 0 0 4/ 4/ | 14 4/ 8 4/ 6 15 0 11 9 5 4/ 25 0 0 4/ 0 4/ | 0 3 2 5 10 0 18 3 3 4/ 24 4/ 6 0 4/ 1 | 0 0 4/ 2 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 19, 19, 17, 18, 18, 13, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18 | 597 0 305 184 : 758 0 011 0 0 704 4473 : 22 492 0 26 0 0 540 | 36,425 101,379 81,026 263,781 425,645 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 23,902 0 50,279 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 118,433 | 57,080 99 44,193 104,660 0 76,428 63,709 37,824 167 178,128 0 0 0 42 51 | 22,638 16,784 37,646 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 0 129 17,373 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 2 4/ 2 4/ 0 0 0 4/ 4/ 0 1 0 4/ 4/ | 4 0 5 12 3 1 0 0 1 5 4/ 1 0 | 2 7 6 18 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 2 0 4 7 4/ 7 2 2 1 13 0 0 4/ 4/ | 8 4/ 6 15 0 11 9 5 4/ 25 0 0 4/ 0 4/ | 0 3 2 5 10 0 18 3 3 4/ 24 4/ 6 0 4/ 1 | 0 0 4/ 2 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 0 19, .77 23, .64 54, .89 13, .0 0 3, .0 0 3, .0 0 3, .0 0 3, .0 0 3, .0 0 3, .0 0 0 3, .0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 597 0 305 184 : 758 0 011 0 0 704 4473 : 22 492 0 26 0 0 540 | 36,425 101,379 81,026 263,781 425,645 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 23,902 0 50,279 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 118,433 | 57,080 99 44,193 104,660 0 76,428 63,709 37,824 167 178,128 0 0 0 42 51 | 22,638 16,784 37,646 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 0 129 17,373 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 2 4/ 2 4/ 0 0 0 4/ 4/ 0 1 0 4/ 4/ | 4 0 5 12 3 1 0 0 1 5 4/ 1 0 | 2 7 6 18 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 2 0 4 7 4/ 7 2 2 1 13 0 0 4/ 4/ | 8 4/ 6 15 0 11 9 5 4/ 25 0 0 4/ 0 4/ | 3 2 5 10 0 18 3 3 4/ 24 4/ 6 0 4/ 1 | 0 4/ 2 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 27 23, 44 54, 59 13, 0 0 0 9 4, 8 21, 0 0 3, 0 0 3, 0 0 3, 0 0 3, 0 0 3, 0 0 0 0 | 0 305 184 : 758 : 011 0 0 704 473 : 22 492 0 26 0 540 | 101,379 81,026 263,781 425,645 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 0 50,279 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 88 6,444 6,532 | 99 44,193 104,660 0 76,428 63,709 37,824 167 178,128 0 0 9 0 42 51 | 16,784 37,646 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 129 17,373 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 2 4/ 2 4/ 0 0 0 4/ 4/ 0 4/ 4/ | 3 1 0 0 1 5 4/ 1 0 4/ 0 | 7 6 18 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 0 4 7 2 2 1 13 0 0 0 4/4/ | 4/ 6 15 0 11 9 5 4/ 25 0 0 4/ 0 4/ | 2 5 10 0 18 3 4/ 24 4/ 6 0 4/ 1 | 4/ 2 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 23, 54, 54, 54, 69 13, 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 305 184 : 758 . 011 0 0 704 473 : 22 492 0 26 0 540 | 81,026 263,781 425,645 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 50,279 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 | 44,193 104,660 0 76,428 63,709 37,824 167 178,128 0 0 0 9 0 42 51 | 37,646 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 17,373 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 4/ 2 4/ 0 0 0 4/ 4/ 0 1 0 4/ 4/ | 5 12 3 1 0 0 1 5 4/ 0 4/ 0 | 6 18 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ | 4/7 2221 13000 4/4/ | 6 15 0 11 9 5 4/ 25 0 0 4/ 0 4/ | 5 10 0 18 3 3 4/ 24 4/ 6 0 4/ 1 | 2 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 54, 54, 69 13, 60 3, 60 60 60 60 60 60 60 60 60 60 60 60 60 | 758 758 011 0 0 704 473 22 492 0 0 506 0 1 | 263,781 425,645 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 96,390 3,306 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 118,433 | 0 76,428 63,709 37,824 167 178,128 0 0 9 0 42 51 | 77,068 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 17,502 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 2 4/ 0 0 0 4/ 4/ 0 1 0 4/ 4/ | 12 3 1 0 0 1 5 4/ 1 0 4/ 0 | 18 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 7 4/ 7 2 2 1 13 0 0 4/ 4/ 4/ | 15 0 11 9 5 4/ 25 0 4/ 0 4/ | 10 0 18 3 3 4/ 24 4/ 6 0 4/ 1 | 2 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 0 3, 0 9 4, 8 21, 0 3, 0 3, | 011 0 0 704 473 2 22 492 0 26 0 540 606 0 1 | 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 | 76, 428 63, 709 37, 824 167 178, 128 0 0 9 0 42 51 | 0 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 0 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 4/ 0 0 0 4/ 4/ 0 1 0 4/ 4/ | 3 1 0 0 1 5 4/ 1 0 4/ 0 | 29 6 1 4/ 1 37 4/ 4/ 4/ 4/ | 4/ 7 2 2 1 13 0 0 0 4/ 4/ | 0 11 9 5 4/ 25 0 0 4/ 0 4/ | 0 18 3 3 4/ 24 4/ 6 0 4/ 1 | 0 16 3 0 4/ 19 5 6 3 3 4/ |
| 0 3, 0 9 4, 8 21, 0 3, 0 3, | 011 0 0 704 473 2 22 492 0 26 0 540 606 0 1 | 84,230 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 102,016 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 | 76, 428 63, 709 37, 824 167 178, 128 0 0 9 0 42 51 | 146,003 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 180,713 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 0 0 4/ 4/ 4/ 0 1 0 4/ 4/ | 1 0 0 1 5 4/ 1 0 4/ 0 | 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 7 2 2 1 13 0 0 0 4/ 4/ | 11 9 5 4/ 25 0 0 4/ 0 4/ | 18 3 4/ 24 4/ 6 0 4/ 1 | 16 3 0 4/ 19 5 6 3 3/ |
| 0 9 4, 8 21, 0 3, 0 3, | 0 0 704 473 | 17,734 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 31,006 27,926 10,417 174,671 0 0 0 88 6,444 6,532 | 63,709 37,824 167 178,128 0 0 9 0 42 51 | 24,904 19,825 169 190,901 18 44,123 0 832 5,792 | 36,897 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 0 4/ 4/ 4/ 0 1 0 4/ 4/ | 0 0 1 5 4/ 1 0 4/ 0 | 6 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 7 2 2 1 13 0 0 0 4/ 4/ | 11 9 5 4/ 25 0 0 4/ 0 4/ | 18 3 4/ 24 4/ 6 0 4/ 1 | 16 3 0 4/ 19 5 6 3 3/ |
| 9 4, 8 21, 0 3, 0 3, 0 3, | 0 704 473 : 22 492 0 26 0 540 | 4,794 14,467 546,870 9 417 926 48 4,317 5,717 | 27,926 10,417 174,671 0 0 0 88 6,444 6,532 | 37,824 167 178,128 0 0 9 0 42 51 | 19,825 169 190,901 18 44,123 0 832 5,792 | 0 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 4/ 4/ 0 1 0 4/ 4/ | 0 0 1 5 4/ 1 0 4/ 0 | 1 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 2 2 1 13 0 0 0 4/ 4/ | 9 5 4/ 25 0 0 4/ 0 4/ | 3 4/ 24 4/ 6 0 4/ 1 | 3 0 4/ 19 5 6 3 3/ |
| 9 4, 8 21, 0 3, 0 3, 0 3, | 704 473 | 14,467 546,870 9 417 926 48 4,317 5,717 | 10,417 174,671 0 0 0 88 6,444 6,532 | 167 178,128 0 0 9 0 42 51 | 169 190,901 18 44,123 0 832 5,792 | 2,499 220,109 56,508 63,597 29,187 35,258 3,075 | 0 4/ 4/ 0 1 0 4/ 4/ | 0 1 5 4/ 1 0 4/ 0 | 4/ 1 37 4/ 4/ 4/ 4/ 4/ | 2 1 13 0 0 0 4/ 4/ | 5 4/ 25 0 0 4/ 0 4/ | 3 4/ 24 4/ 6 0 4/ 1 | 0 4/ 19 5 6 3 3 4/ |
| 8 21, 0 3, 0 3, 0 3, 2 1 1 3 3, | 473 | 546,870 9 417 926 48 4,317 5,717 | 0 0 0 88 6,444 6,532 | 178,128 0 0 9 0 42 51 | 190,901 18 44,123 0 832 5,792 | 220,109 56,508 63,597 29,187 35,258 3,075 | 4/ 4/ 0 1 0 4/ 4/ | 1 5 4/ 1 0 4/ 0 | 1 37 4/ 4/ 4/ 4/ 4/ | 1 13 0 0 0 4/ 4/ | 4/ 25 0 0 4/ 0 4/ | 4/ 24 4/ 6 0 4/ 1 | 4/ 19 5 6 3 3 4/ |
| 0 3, 0 2 1 3 3, 1 0 0 0 | 22 492 0 26 0 540 506 | 9 417 926 48 4,317 5,717 | 0 0 0 88 6,444 6,532 | 0 9 0 42 51 | 18 44,123 0 832 5,792 | 220,109 56,508 63,597 29,187 35,258 3,075 | 4/ 0 1 0 4/ 4/ | 5 4/ 1 0 4/ 0 | 37 4/ 4/ 4/ 4/ 4/ | 13 0 0 0 4/ 4/ | 25 0 0 4/ 0 4/ | 24 4/ 6 0 4/ 1 | 19 5 6 3 3 4/ |
| 0 3, 0 2 1 3 3, | 492 0 26 0 540 606 0 1 | 417 926 48 4,317 5,717 | 0 0 88 6,444 6,532 | 0 9 0 42 51 | 44,123 0 832 5,792 | 63,597 29,187 35,258 3,075 | 1 0 4/ 4/ | 1 0 4/ 0 | 4/ 4/ 4/ 4/ | 0 0 4/ 4/ | 0 4/ 0 4/ | 6 0 4/ 1 | 6 3 3 4/ |
| 0 2 1 3 3,1 | 492 0 26 0 540 606 0 1 | 417 926 48 4,317 5,717 | 0 0 88 6,444 6,532 | 0 9 0 42 51 | 44,123 0 832 5,792 | 63,597 29,187 35,258 3,075 | 1 0 4/ 4/ | 1 0 4/ 0 | 4/ 4/ 4/ 4/ | 0 0 4/ 4/ | 0 4/ 0 4/ | 6 0 4/ 1 | 6 3 3 4/ |
| 0 2 1 3 3,1 | 0 26 0 540 606 0 1 | 926 48 4,317 5,717 | 0 88 6,444 6,532 | 9 0 42 51 | 0 832 5,792 | 29,187 35,258 3,075 | 0 4/ 4 / | 0 4/ 0 | 4/ 4/ 4/ | 0 4/ 4/ | 4/ 0 4/ | 0 4/ 1 | 3 3 4/ |
| 1 3 3,5 0 6 | 26 0 540 506 0 1 | 48 4,317 5,717 | 88 6,444 6,532 118,433 | 0 42 51 | 832 5,792 | 35,258 3,075 | 4/ 4 / | 4/ | 4/ | 4/ | 0 4/ | 4/ | 3 4/ |
| 1 3 3,5 0 6 | 0 540 506 0 1 | 4,317 5,717 0 | 6,444 6,532 118,433 | 42 51 | 5,792 | 3,075 | 4/ | Ó | 4/ | 4/ | 4/ | 1 | 4/ |
| 3 3,1 0 (| 540 506 0 1 | 5,717 0 | 6,532 118,433 | 51 | | | | | | | | | |
| Ď | 0 1 | _ | | 0 | | , | - | _ | 3/ | -1/ | 4/ | Q | |
| Ď | 0 1 | _ | | | _ | | | | | | | | 17 |
| _ | _ | | +00 +00 | 0 | 0 | 0 | 0 | 4/ | 0 | 9 | 0 | 0 | 0 |
|) | 0 | - | 132,133 | 64,761 | 241,708 | 567,387 | 0 | O | 13 | 10 | 9 | 31 | 50 |
| • | | 0 100 | 38,598 | 86,969 | 84 | 0 | 0 | 0 | 0 | 3 | 12 | 4/ | 0 |
| | | 225,595 | 338,401 | 56,620 | 0 | 0 | 34 | 14 | 15 | 24 | 8 | 0 | Ď |
| 1 145,(| | 0 | 102,203 | 0 | 0 | 0 | 9 | 32 | 0 | 7 | ō | ñ | ő |
| - | 0 | 1,337 | 9,100 | 11,710 | 3,456 | 29,481 | 0 | 0 | 4/ | i | ž | 4/ | š |
| } | 0 | 0 | 36,264 | 0 | 0 | 0 | 0 | Ō | Ő | 3 | õ | 70 | ő |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | ō | ñ | ŏ | Õ | ŏ |
| 32,2 | | 45,456 | 46,574 | 48,762 | 46,044 | 0 | Û | 7 | š | 3 | 7 | 6 | ő |
| 96,7 | | 0 | 0 | 0 | 0 | Ö | Ö | 21 | Õ | ŏ | ó | 0 | 0 |
|) 25,3 364,9 | _ | 23,694 487,130 | 33,934 855,640 | 406 269,228 | 36,557 | 4,268 | 4/ | 6 | 2 | 2 | 4/ | 5 | 4/ |
| ,. | | 201,100 | 000,040 | 209,220 | 327,849 | 601,136 | 97 | 81 | 33 | 6 2 | 37 | 41 | 53 |
| • | 0 : | 28,507 | 43,041 | 44,799 | 24,300 | 35, 116 | 0 | 0 | n. | • | ^ | _ | _ |
| | 0 | 196 | 182 | 0 | | - | _ | _ | | _ | | | 3 |
| Ì | 0 | 28,703 | 43,223 | 44,799 | 24,300 | 35,116 | 0 | 0 | 4/ 2 | 4/ | 0 6 | 0 3 | 0 3 |
| ı | n | n | 62 410 | | _ | , | | | - | - | - | - | 3 |
| | - | | • | - | | _ | _ | _ | 0 | 4 | 0 | 0 | 0 |
| | _ | | - | | * | - | - | 0 | 2 | C | 0 | 0 | ō |
| | | . * | | | • | | 4/ | 4/ | 1 | 4/ | 3 | 3 | 1 |
| | | , | 01,010 | 20,303 | 413 | 0,433 | 4/ | 4/ | 3 | 5 | 3 | 3 | 1 |
|) |)))) | 0 | 0 196 0 28,703 0 0 0 0 0 32,610 7 3 16,911 | 0 196 182 0 28,703 43,223 0 0 0 62,410 0 32,610 0 3 16,911 2,506 | 0 196 182 0 0 28,703 43,223 44,799 0 0 0 62,410 0 0 32,610 0 0 3 16,911 2,506 20,939 | 0 196 182 0 0 0 28,703 43,223 44,799 24,300 0 0 0 62,410 0 0 0 0 32,610 0 0 0 1 3 16,911 2,506 20,939 21,413 | 0 196 182 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 196 182 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 196 182 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 196 182 0 0 0 0 0 0 4/ 0 28,703 43,223 44,799 24,300 35,116 0 0 2 0 0 0 62,410 0 0 0 0 0 0 0 0 32,610 0 0 0 0 0 0 0 0 0 32,610 0 0 0 0 0 0 0 0 0 32,610 2,506 20,939 21,413 6,433 4/ 4/ 1 3 49,521 64,916 20,939 21,413 6,433 4/ 4/ 3 | 0 196 182 0 0 0 0 0 0 4/ 4/ 0 28,703 43,223 44,799 24,300 35,116 0 0 2 3 0 0 0 62,410 0 0 0 0 0 0 0 2 3 0 0 32,610 0 0 0 0 0 0 0 0 0 0 0 0 32,610 0 0 0 0 0 0 0 0 0 0 0 0 32,610 2,506 20,939 21,413 6,433 4/ 4/ 1 4/ 3 49,521 64,916 20,939 21,413 6,433 4/ 4/ 3 5 | 0 196 182 0 0 0 0 0 4/ 4/ 0 0 28,703 43,223 44,799 24,300 35,116 0 0 2 3 6 0 0 0 28,703 43,223 44,799 24,300 35,116 0 0 2 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 196 182 0 0 0 0 0 4/ 4/ 0 0 0 28,703 43,223 44,799 24,300 35,116 0 0 2 3 6 3 0 0 0 28,703 43,223 44,799 24,300 35,116 0 0 2 3 6 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |

^{1/} Years ending June 30.
2/ Specific countries listed include those that received at least 25,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.
4/ Less than 0.5 percent.
Source: (2).

Table 12--U.S. exports of ammonium sulfate, selected market areas and years 1/

| Country of destination 2/ | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 |
|---------------------------|----------------|-----------|---------|-----------|---------|-----------|---------|------|------|------|----------|----------|--------|---------|
| | : | · | | Short ton | s | | | | | | Perce | nt | | |
| Canada | 18,655 | 31,408 | 15,064 | 10,336 | 31,311 | 8,691 | 18,056 | 4 | 6 | 2 | 1 | 4 | 1 | 2 |
| Dominican Republic | : 28,727 | 71,348 | 85,577 | 76,019 | 67,039 | 74,301 | 72,655 | 5 | 13 | 10 | 9 | | 7 | |
| El Salvador | : 16,177 | 73,169 | 26,819 | 152,966 | 97,416 | 90,362 | | | | | | . 9 | (| 8 |
| Guatemala | : 16 | 6,051 | 15,852 | 27,676 | | | 38,421 | 3 | 13 | 3 | 18 | 14 | 9 | 4 |
| Mexico | : 486 | | 52 | | 53,549 | 55,561 | 39,271 | 4/ | 1 | 2 | 3 | 7 | 5 | 4 |
| Central America, other | | 162,142 | | 86 | 275 | 209 | 1,082 | 4/ | 29 | 4/ | 4/ | 4/ | 4/ | 4/ |
| Control America, Comer | | 21,294 | 11,713 | 29,215 | 15,761 | 17,087 | 9,418 | 2 | 4 | 1 | 4 | 2 | 2 | 1 |
| Central America 3/ | 55,141 | 334,004 | 140,013 | 285,962 | 234,040 | 237,520 | 160,847 | 10 | 60 | 17 | 34 | 32 | 23 | 17 |
| Brazil | 91,426 | 128,042 | 604,246 | 328,906 | 296,164 | 560,053 | 476,677 | 17 | 23 | 72 | 40 | 41 | 54 | 51 |
| Peru | : 11,087 | 0 | 24,509 | 9,025 | 25,897 | 40,015 | 11,583 | 2 | 0 | 3 | 1 | 4 | 4 | |
| South America, other | : 17,625 | 83 | 20,838 | 12,862 | 14,238 | 13,455 | 30,127 | 3 | | | | | _ | 1 |
| South America | : 120,138 | 128,125 | 649,593 | | | | | | 4/ | 2 | 2 | 2 | 1 | _3 |
| Double Fallot Total | : 120,100 | 120,120 | 040,000 | 350,793 | 336,299 | 613,523 | 518,387 | 23 | 23 | 77 | 42 | 47 | 60 | 55 |
| Belgium-Laxembourg | : 0 | 0 | 0 | 0 | 14,880 | 37,542 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 |
| Turkey | : 0 | Ō | ŏ | 129,196 | 88,030 | 21,736 | 78,280 | ő | Õ | ŏ | 16 | 12 | 2 | Š |
| Europe, other | : 5,978 | 62 | 26 | 194 | 212 | 22,903 | 103 | 1 | | 4/ | 4/ | | 2 | |
| Europe | : 5,978 | 62 | 26 | 129,390 | 103,122 | 82,181 | 78,383 | 1 | 4/ | 4/ | 4/ 16 | 4/ 14 | 8 | 4/ 8 |
| China | : | 01 174 | | | | | | | • | | | | _ | • |
| =- | : 0 | 34,471 | 82 | . 0 | 0 | 0 | 0 | O | 6 | 4/ | 0 | 0 | 0 | 0 |
| India | : 281,827 | 5,514 | 4,884 | 19,675 | 0 | 0 | 0 | 53 | 1 | 1 | 2 | 0 | 0 | 0 |
| Philippines | : 14 | 22,205 | 367 | 119 | 20 | 501 | 28,322 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sri Lanka | : 34,369 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | ò | Ŏ |
| Thailand | : 0 | 0 | 60 | 0 | 0 | Ô | 62,829 | Ó | Ō | ŏ | ŏ | ŏ | ŏ | ŏ |
| Asia, other | : 12,166 | 1,363 | 0 | 22,211 | 56 | ō | 5,605 | 2 | 4/ | ŏ | š | 4/ | ő | 1 |
| Asia | : 328,376 | 63,553 | 5,393 | 42,005 | 76 | 501 | 96,756 | 62 | 11 | 1 | 5 | 4/ | 4/ | 10 |
| New Zealand | : 60 | 18 | 13,110 | 10,325 | 14,818 | 00.010 | 20 005 | | | _ | _ | _ | _ | |
| Oceania, other | : 5 | 38 | 11,595 | | | 20,616 | 32,885 | 4/ | 4/ | 2 | 1 | 2 | 2 | 3 |
| Oceania | . 65 | | | 0 | 0 | 16,496 | 3,472 | 4/ | 4/ | 1 | 0 | 0 | 2 | 4/ |
| OCEANITA | : 60 | 56 | 24,705 | 10,325 | 14,818 | 37,112 | 36,357 | 4/ | 4/ | 3 | 1 | 2 | 4 | 4 |
| Egypt | . 0 | 0 | 0 | 0 | O. | 0 | 33,183 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Tunisia | : 0 | o | Ö | ō | ō | 37,325 | 73 | ő | ŏ | ŏ | ŏ | 0 | 4 | 4/ |
| Africa, other | : 91 | 3,127 | 6,094 | 420 | 1,025 | 14,106 | 968 | 4/ | 1 | 1 | 4/ | • | _ | |
| Africa | : 91 | 3,127 | 6,094 | 420 | 1,025 | 51,431 | 34,224 | 4/ | i | 1 | 4/ | 4/ 4/ | 1 5 | 4/ 4 |
| Total | : : 528,444 | 560,335 | 840,888 | 829,231 | 720,691 | 1,030,959 | 943,010 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^{1/} Years ending June 30.

^{2/} Specific countries listed include those that received at least 25,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.

^{4/} Less than 0.5 percent. Source: (2).

Table 13--U.S. exports of diammonium phosphate, selected market areas and years 1/

| Country of destination 2/ | : : 1976 3, | / 1980 | 1985 | 1986 | 1987 | 1988 | 1976 | 3/ 198 | 0 1985 | 198 | 66 198 | 7 1988 |
|---------------------------|----------------|-----------|---|-------------------|-----------|----------------------|-------------|--------|--------|------|---------|--------|
| | : | | She | ort tons | | | | | · | | | |
| _ | : | | | ort botto | | | | | Per | cent | | |
| Canada | : 111,689 | 9 130,303 | 158,910 | 167,25 | 3 178,22 | 2 222,532 | 5 | 3 | 2 | 4 | 3 | 3 |
| Mexico | 3,564 | 164,095 | 343,860 | 04.00 | | _ | | | | _ | • | • |
| Central America, other | 87,459 | , | | | | | 5/ | 4 | 4 | 2 | 1 | 5/ |
| Central America 4/ | : 91,023 | | | | | | 4 | 3 | 2 | 2 | 2 | ž |
| , | . 02,020 | 201,500 | 466,309 | 179,25 | 7 184,848 | 5 117,570 | 4 | | 6 | 4 | 3 | ž |
| Argentina | : 12,145 | 107,319 | E0 000 | 70 00 | | _ | | | | - | • | L |
| Brazil | : 465,434 | | | | | | 1 | 2 | 1 | 2 | 2 | 2 |
| Chile | : 14,054 | | | | | | 19 | | ī | ī | 3 | 1 |
| Colombia | : 14,004 | | | | | | 1 | | ĩ | Ž | 2 | 2 |
| Venezuela | : 5 | -0,010 | | 122,299 | | | ō | | ĩ | 3 | 2 | 2 |
| South America, other | : 40,845 | | | | | 172,229 | 5/ | | 5/ | 0 | 2 | 3 |
| South America | • 40,040 | | | | | 128,911 | 2 | | 1 | 2 | | |
| wowen samor red | 532,483 | 954,586 | 392,810 | 441,513 | 750,255 | 773,494 | 22 | | 5 | 10 | 2 13 | 2 |
| Belgium-Luxembourg | . 20.000 | | | | | , | ~- | 21 | J | 10 | 13 | 12 |
| France | : 76,092 | , | 684,180 | | 688,050 | 548,174 | 3 | 8 | 9 | | 10 | _ |
| Italy | 226,863 | -, | 26,317 | 39,679 | | | 9 | - | | 9 | 12 | 9 |
| Spain | : 538,463 | -, | 179,915 | | | | 22 | 15 | 5/ | 1 | 2 | 3 |
| Turkey | : 22,206 | | 0 | | | | 1 | | 2 | 6 | 3 | 4 |
| Wast Comme | : 0 | 00, 40, | 23,038 | 280,887 | 440,440 | | 0 | 3 | _0 | 0 | 2 | 3 |
| West Germany | : 0 | 37,948 | 45,956 | 152,663 | | | - | 1 | 5/ | 7 | 7 | 5 |
| Yugoslavia | : 0 | | 101,510 | 77,148 | | | 0 | 1 | 1 | 4 | 3 | 2 |
| Europe, other | : 54,412 | 47,257 | 110,880 | 113 029 | 120 017 | -, | 0 | 1 | 1 | 2 | 1 | 1 |
| Europe | : 918,036 | 1,600,401 | 1,171,796 | 1.339.323 | | 128,582 1,824,111 | 2 | 1 | 1 | 3 | 2 | 2 |
| m. : | : | | , -, -, - | 1,000,020 | 1,000,411 | 1,024,111 | 38 | 35 | 15 | 31 | 32 | 28 |
| China | : 0 | 112,665 | 1,543,467 | 246 534 | 1,194,110 | 2,095,253 | _ | _ | | | | |
| Honk Kong | : 0 | 0 | 117,283 | 0 | | | 0 | 2 | 20 | 6 | 20 | 33 |
| India | : 288,802 | 741,067 | 1,878,945 | 999,666 | 311,376 | 32 | .0 | 0 | 1 | 0 | 0 | 5/ |
| Iran | : 54,138 | 0 | 29,089 | 0 | 011,070 | 0 | 12 | 16 | 24 | 23 | 5 | 0 |
| Japan | : 64,147 | 153,271 | 581,143 | 209,080 | _ | =00,100 | 2 | 0 | 5/ | 0 | 0 | 3 |
| Pakistan | : 183,674 | 187,266 | 362,813 | 415,941 | | | 3 | 3 | 7 | 5 | 4 | 8 |
| South Korea | : 2,738 | 0 | 100,114 | 410,541 | 695,133 | 306,173 | 8 | 4 | 5 | 10 | 12 | 5 |
| Taiwan | : 16,916 | ő | 632,105 | 0 | 0 | 0 | 5/ | 0 | 1 | 0 | 0 | 0 |
| Asia, other | 43,556 | 99,036 | 98,141 | _ | 116 | 584 | 1 | 0 | 8 | 0 | 5/ | 5/ |
| Asia | | | 5,343,100 | 12,193 | 136,936 | 137,081 | 2 | 2 | 1 | 5/ | 2 | 2 |
| _ | • | ,, | 0,010,100 | 1,000,414 | 2,564,300 | 3,202,352 | 27 | 28 | 68 | 44 | 43 | 50 |
| Australia | 404 | 24,278 | 257,564 | 194,952 | 040 804 | | | | | | | |
| Oceania, other | 17,037 | 23,063 | 24,602 | | 248,784 | 128,520 | 5/ | 1 | 3 | 5 | 4 | 2 |
| Oceania ; | 17,441 | 47,341 | 282,166 | 22,735 217,687 | 36,131 | 36,561 | 1 | 1 | 5/ | 1 | 1 | 1 |
| | | 21,012 | 202,100 | 211,001 | 284,915 | 165,081 | 1 | 1 | 4 | 5 | 5 | 3 |
| Africa : | 89,862 | 233,098 | 81,243 | ED #27 | F.4. 5700 | | | | | | _ | • |
| | | | | 58,437 | 54,763 | 109,227 | 4 | 5 | 1 | 1 | 1 | 2 |
| Total : | 2,414,505 | 4,556,984 | 7,896.334 | 4.286.884 | 5 017 771 | 6 414 000 | | 4.4 | | | | - |
| | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | *,200,004 | 3,311,111 | 0,414,367 | 100 | 100 | 100 1 | .00 | 100 | 100 |
| / Years ending June 30. | | | | | | | | | | | | |

^{1/} Years ending June 30.
2/ Specific countries listed include those that received at least 100,000 short tons of material in any selected year.
3/ Information on diammonium phosphate exports not available before fertilizer year 1976.

^{5/} Less than 0.5 percent.

Source: (2).

Table 14--U.S. exports of concentrated superphosphate, selected market areas and years 1/

| Country of destination 2/ | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 198 |
|---------------------------|----------------|---------------------|-------------|-------------------|------------------|-----------------|-----------|---------|--------|------|---------|----------|---------|--------|
| | : | | | Short to | 18 | | | | | | Perce | nt | | |
| Canada | 23,681 | 18,305 | 79,524 | 322,609 | 303,486 | 666,000 | 354,422 | 3 | 2 | 5 | 21 | 23 | 39 | 30 |
| Mexico | : 12,871 | 22 | 0 | 0 | 269,002 | 26,396 | 0 | 2 | 4/ | Ω | 0 | n+ | _ | |
| Central America, other | | 20,890 | 33,765 | 40,028 | 45,277 | 32,008 | 19,573 | | | - | - | 21 | 2 | 0 |
| Central America 3/ | 27,048 | 20,912 | 33,765 | 40,028 | 314,279 | 58,404 | 19,573 | 2 4 | 2 2 | 2 | 3 3 | 3 24 | 2 3 | 2 2 |
| Argentina | 9,208 | 7,111 | 37,386 | 3,307 | 4,400 | 19,641 | 4,066 | 1 | 1 | 2 | 4/ | 4/ | 1 | 4/ |
| Brazil | : 177,940 | 290,586 | 405,870 | 41,497 | 60,617 | 239,899 | 170,792 | 25 | 26 | 25 | 3 | 5 | 14 | |
| Chile | : 163,951 | 154,431 | 107,725 | 146,849 | 136,127 | 201,299 | 234,100 | 23 | 14 | 7 | 9 | | | 14 |
| Colombia | 33,604 | 21,603 | 20,691 | 13,054 | 18,181 | 20,494 | 19.395 | 23 5 | | | _ | 10 | 12 | 20 |
| Peru | : 66 | 13,792 | 13,103 | 19,203 | | | | _ | 2 | 1 | 1 | 1 | 1 | 2 |
| Venezuela | . 3,134 | 19,005 | 40,259 | | 17,230 | 27,834 | 31,716 | 4/ | 1 | 1 | 1 | 1 | 2 | 3 |
| South America, other | 7,133 | | | 2,710 | _ | 0 | 1,652 | 4/ | 2 | 3 | 4/ | 0 | 0 | 4/ |
| South America, bener | | 8,804 | 28,686 | 6,040 | 23,130 | 34,610 | 13,253 | 1 | 1 | 2 | 4/ | 2 | 2 | 1 |
| Bodth America | : 395,036 : | 515,333 | 653,720 | 232,660 | 259,685 | 543,777 | 474,974 | 56 | 47 | 41 | 15 | 20 | 32 | 40 |
| Belgium-Luxembourg | : 1,543 | 0 | 130,286 | 131,699 | 18,186 | 51,879 | 28,901 | 4/ | O | Ð | 8 | 1 | 3 | 2 |
| Bulgaria | : 0 | 0 | 0 | 75,776 | 22,044 | 50,581 | 25,353 | 0 | 0 | 0 | 5 | 2 | 3 | 2 |
| Czechoslovakia | : 0 | 0 | 0 | 142,791 | 121,541 | 134,567 | . 0 | 0 | 0 | Ö | 9 | 9 | 8 | ō |
| France | : 2,425 | 37,9 9 9 | 94,138 | 33,834 | 0 | 3,472 | 0 | 4/ | 3 | 6 | 2 | ō | 4/ | ő |
| Ireland : | : 0 | 0 | 51,257 | 49,699 | 19,447 | 33,430 | 0 | ő | ō | š | 3 | 1 | 2 | ŏ |
| Netherlanda : | 37,484 | 0 | 0 | . 0 | 0 | 0 | ō | 5 | ŏ | ŏ | ŏ | ō | õ | ő |
| Poland | 52,150 | 104,699 | 0 | Ō | ō | 11,573 | 16,870 | 7 | ě | ŏ | ŏ | ő | 1 | 1 |
| Turkey | : 15,792 | 0 | 25,352 | . 0 | ō | 0 | 0 | 2 | ő | 2 | õ | ŏ | | 0 |
| Weat Germany | 8,777 | Õ | 142,499 | 78,559 | 21,369 | 16 | Ö | 1 | Ö | 9 | 5 | 2 | 0 | |
| Europe, other | 34,431 | 32,250 | 23,132 | 28,273 | 3,630 | 19,778 | ő | 5 | 3 | 1 | | | 4/ | 0 |
| Rurope | 152,602 | 174,948 | 466,664 | 540,631 | 206,237 | 305,296 | 71,124 | 21 | 16 | 29 | 2 35 | 4/ 16 | 1 18 | 0 6 |
| Bangladesh | . 0 | 21,521 | 0 | 294,428 | 121,444 | 0 | 84.162 | 0 | 2 | 0 | 19 | 9 | 0 | 7 |
| China : | : 0 | 0 | 138,596 | 0 | 0 | Ö | 0 | Õ | ő | 9 | 13 | o o | Ö | Ó |
| Indonesia : | 25,496 | 178,402 | 9,921 | ŏ | Õ | ñ | ő | 4 | 16 | 1 | ŏ | Ď | 0 | 0 |
| Japan : | 30,533 | 11,912 | 35,403 | 33,388 | 43,640 | 44,157 | 77,377 | 4 | 1 | | 2 | _ | | - |
| Pakistan | 38,684 | 0 | 00,400 | 00,000 | 40,040 | 44,101 | 11,011 | 1 5 | 0 | 2 | 0 | 3 | 3 | 6 |
| Singapore | : 0 | ő | 118,072 | ŏ | Ö | 3,621 | 0 | 0 | | 7 | - | 0 | 0 | 0 |
| South Korea | Š | 94,613 | 0 | 13 | 0 | 3,021 | Ô | | 0 | | 0 | 0 | 4/ | 0 |
| Sri Lanka | Ď | 32,369 | 0 | 0 | 0 | _ | • | 0 | 9 | 0 | 4/ | 0 | 0 | 0 |
| Asia, other | 17,381 | 35,972 | 11,806 | | - | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Asia | 112,094 | 374,789 | 313,798 | 20,735 348,564 | 5,523 170,607 | 17,162 | 25,156 | 2 | 3 | 1 | 1 | 4/ | 1 | 2 |
| : | | 014,100 | 010,100 | 340,564 | 110,007 | 64 ,94 0 | 186,695 | 16 | 34 | 20 | 22 | 13 | 4 | 16 |
| Australia : | . 0 | 0 | 0 | 61,318 | 39,598 | 79,428 | 66,739 | 0 | 0 | 0 | 4 | 3 | 5 | 7 |
| Oceania, other | . 0 | 0 | 0 | 5,510 | 10,588 | 3,667 | 0 | 0 | 0 | 0 | 4/ | 1 | ō | ō |
| Oceania : | . 0 | 0 | 0 | 66,828 | 50,186 | 83,095 | 86,739 | 0 | Ö | Õ | 4 | 4 | 5 | 7 |
| Algeria | 0 | 0 | 47,363 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| Africa, other : | 0 | 0 | 2,417 | 4,455 | 3,306 | 2,755 | 44 | Ö | ŏ | 4/ | 4/ | 4/ | 4/ | 4/ |
| Africa : | 0 | Ó | 49,780 | 4,455 | 3,306 | 2,755 | 44 | ő | Ö | 3 | 4/ | 4/ | 4/ | 4/ |
| l'otal : | 710,461 1 | L,104,287 1 | 1,597,251 1 | 1,555,775 | 1,307,786 1 | 1,724,267 | 1,193,571 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^{1/} Years ending June 30.
2/ Specific countries listed include those that received at least 25,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.
4/ Less than 0.5 percent.

Source: (2).

Table 15--U.S. exports of phosphoric acid, selected market areas and years 1/

| Country of destination 2/ | : : 1975 3, | / 1980 | 1985 | 1986 4/ | 1987 4/ | 1988 4/ | 1975 | 3/ 1980 | 1985 | 1986 4, | / 1987 4, | / 1988 4 |
|------------------------------|----------------|---------|-----------|---------|---------|------------|------------|---------|------|---------|-----------|----------|
| | : | | Shor | t tons | | | | | Pe | rcent - | | |
| Canada | : 4,059 | 10,843 | 66,156 | 2,220 | 2,041 | 1,780 | 2 | 1 | 4 | 6/ | 6/ | 6/ |
| Central America 5/ | 578 | 14,130 | 500 | 11 | 3,300 | 3,354 | 6/ | 2 | 6/ | 6/ | 6/ | 1 |
| Brazil | : 87,496 | 312,348 | 74,342 | 47,070 | 263,877 | 13,499 | 3 8 | 40 | 5 | 8 | 29 | 3 |
| Colombia | : 31,741 | 20,370 | 6,879 | 8,801 | 3,859 | 11,320 | 14 | 3 | 6/ | 1 | 6/ | 3 |
| Venezuela | : 759 | 3,114 | 141,445 | 146,968 | 133,259 | 33,376 | 6/ | 6/ | 9 | 25 | 14 | 7 |
| South America, other | : 140 | 6,077 | 0 | 0 | | | 6/ | 1 | 0 | 0 | 0 | 0 |
| South America | : 120,136 | 341,909 | 222,666 | 202,839 | 400,995 | 58,195 | 52 | 43 | 15 | 34 | 44 | 13 |
| Belgium-Luxembourg | : 13 | 0 | 10,810 | 10,640 | 0 | 0 | 6/ | 0 | 1 | 2 | 0 | 0 |
| Czechoslovakia | : 0 | 0 | 27,842 | 18,177 | 6,881 | 0 | 0 | 0 | 2 | 3 | 1 | 0 |
| Denmark | : 0 | 0 | 5,769 | 20,209 | 5,927 | 0 | 0 | 0 | 6/ | 3 | 1 | 0 |
| France | : 18,427 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | : 7,123 | 23,265 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 |
| Turkey | : 4 | 0 | 153,895 | 20,698 | 0 | 0 | 6/ | 0 | 10 | 3 | 0 | 0 |
| West Germany | : 243 | 0 | 48,852 | 1,981 | 0 | 0 | 6/ | 0 | Э | 6/ | 0 | 0 |
| Surope, other | : 243 | 7,375 | 0 | . 0 | 0 | 9 5 | 6/ | 1 | 0 | 0 | 0 | 6/ |
| Europe | : 26,053 | 30,640 | 247,168 | 71,705 | 12,808 | 95 | 11 | 4 | 16 | 12 | 1 | 6/ |
| Soviet Union | : 0 | 228,540 | 511,099 | 0 | 0 | 0 | 0 | 29 | 34 | 0 | 0 | 0 |
| India | : 60,900 | 104,896 | 375,462 | 242,041 | 383,436 | 208,024 | 26 | 13 | 25 | 41 | 42 | 46 |
| Indonesia | : 0 | 56,835 | 85,570 | 72,895 | 67,755 | 72,734 | 0 | 7 | 6 | 12 | 7 | 16 |
| Iran | : 12,318 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Japan | : 78 | 0 | 0 | 0 | 0 | 86,914 | 6/ | 0 | 0 | 0 | 0 | 19 |
| Asia, other | : 740 | 64 | 6,890 | 0 | 0 | 0 | 6/ | 6/ | 6/ | 0 | 0 | 0 |
| Asia | : 74,036 | 161,795 | 467,922 | 314,936 | 451,191 | 367,672 | 32 | 21 | 31 | 53 | 49 | 82 |
| Australia | : 7,035 | 0 | 0 | 0 | 50,382 | 17,357 | 3 | 0 | 0 | 0 | 5 | 4 |
| Oceania, other | : 636 | 0 | 0 | 2,664 | 0 | 0 | 6/ | 0 | 0 | 6/ | 0 | 0 |
| Oceania | 7,671 | 0 | 0 | 2,664 | 50,382 | 17,357 | 3 | 0 | 0 | 6/ | 5 | 4 |
| Africa | : 150 | 9 | 0 | 0 | 0 | 0 | 6/ | 6/ | 0 | 0 | 0 | 0 |
| Total | : : 232,683 | 787,866 | 1,515,511 | 594,375 | 920,717 | 448,453 | 100 | 100 | 100 | 100 | 100 | 100 |

^{1/} Includes superphosphoric acid and wet-process phosphoric acid exports; years ending June 30.

^{2/} Specific countries listed include those that received at least 10,000 short tons of material in any selected year.

^{3/} Information on phosphoric acid exports not available before fertilizer year 1975.

^{4/} Includes only wet-process phosphoric acid because superphosphoric acid reports were discontinued after June 1985; 1986-88 data are no longer comparable with 1985 and earlier years.

^{5/} Central America includes Caribbean countries.

^{6/} Less than 0.5 percent.

Source: (2).

Table 16--U.S. exports of phosphate rock, selected market areas and years 1/

| Country of destination 2/ | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 5 198 | 6 198 | 37 198 |
|---------------------------|------------------|-------------|-------------|------------|------------|-----------|-----------|------|------|---------|-------|-------|-------|----------|
| | : | | | Short ton | g | | | | | | Perce | ent - | | |
| Canada | 2,004,664 | 3,975,256 | 4,257,756 | 3,011,021 | 2,787,218 | 2,027,417 | 1,442,211 | 18 | 30 | 25 | 26 | 25 | 20 |) 14 |
| Mexico | : 932,963 | 3 1,046,235 | 370,888 | 207,609 | 339,152 | 487,358 | 511,131 | 9 | 8 | 2 | 2 | 3 | - 5 | |
| Central America, other | : 22,852 | | | | | | 20,009 | 4/ | 4/ | | | | | _ |
| Central America 3/ | : 955,815 | 1,060,811 | 371,869 | | | | 531,140 | 9 | 8 | 4/ | 4/ | 4/ | | |
| Brazil | : : 372,370 | 518,088 | 407,395 | 21,816 | 20, 660 | OD 704 | 04 555 | _ | | | | _ | _ | _ |
| Colombia | : 19,514 | | | | | 28,791 | 26,502 | Э | 4 | 2 | 4/ | 4/ | | |
| South America, other | : 34,635 | | | | | | 43,656 | 4/ | 1 | 4/ | 1 | 4/ | | . 4/ |
| South America | | | | | | 21,500 | 31,045 | 4/ | 1 | 4/ | 4/ | 4/ | 4/ | 4/ |
| South Weltica | : 426,519 : | 730,259 | 491,432 | 95,337 | 112,204 | 109,144 | 101,203 | 4 | 5 | 3 | 1 | 1 | 1 | 1 |
| Austria | : 99,428 | | | 22,269 | 0 | 88,555 | 68,902 | 1 | 0 | 1 | 4/ | 0 | 1 | . 1 |
| Belgium-Luxembourg | : 395,181 | 759,666 | 888,456 | 708,797 | 779,482 | | 370,685 | 4 | 6 | 5 | -6 | 7 | | |
| Finland | : 0 | | | 180,696 | | 71,854 | 91,977 | ō | õ | 1 | 2 | í | | |
| France | : 327,450 | 270,276 | 1,045,198 | 706,989 | | 841,438 | 903,949 | 3 | 2 | 6 | 6 | 7 | 8 | |
| Italy | : 1,305,543 | | | | 110,982 | 249.024 | 446,300 | 12 | 3 | 2 | 1 | 1 | | - |
| Netherlands | : 408,204 | 846.843 | 1,002,852 | 679,028 | 500,377 | 722,931 | 811,601 | 4 | 6 | 6 | | _ | | |
| Norway . | : 107,520 | 102,541 | | | 7,276 | 61,582 | | 1 | | | 6 | 4 | | |
| Poland | : 0 | | | | | 456,852 | 75,071 | _ | 1 | 1 | 0 | 4/ | 1 | |
| Romania | : 0 | 442,202 | | | | | 637,121 | 0 | 2 | 5 | 6 | 9 | 5 | |
| Spain | : 235,801 | , | | | | 92,593 | 165,448 | 0 | 4/ | 4 | 3 | 2 | 1 | |
| Sweden | : 194 | | | | | 127,548 | 23,409 | 2 | 4/ | 4/ | 4/ | 4/ | 1 | |
| United Kingdom | : 69,689 | | , | | | 77,029 | 138,896 | 4/ | 4/ | 1 | 1 | 1 | 1 | |
| West Germany | : 1,355,320 | | | 31 | 759 | 902 | 0 | 1 | 1 | 3 | 4/ | 4/ | 4/ | |
| Europe, other | : 953 | 100,002 | 1,000,821 | | 566,125 | 817,128 | 578,728 | 12 | 6 | 6 | 5 | 5 | 8 | |
| Europe | : 4,305,283 | | | 695 | 24,061 | 0 | 3,203 | 4/ | 4/ | 1 | 4/ | 4/ | 0 | |
| not ope | : 4,000,200 | 3,007,170 | 7,080,561 | 4,175,972 | 4,293,302 | 3,903,517 | 4,315,290 | 39 | 27 | 41 | 36 | 38 | 39 | 43 |
| India | : 364,440 | 239,764 | 306,241 | 340,425 | 315,203 | 286,352 | 466,438 | 3 | 2 | 2 | 3 | 3 | 3 | 5 |
| Indonesia | : 0 | | 44,298 | 124,006 | 107,783 | 113,933 | 75,403 | ŏ | ā | 4/ | ĭ | 1 | ĭ | - |
| Iran | : 33,331 | 417,206 | 0 | 0 | • | | - | 4/ | 3 | 7/ | ō | õ | ā | ô |
| Jepan | : 2,014,913 | 2,475,473 | 1,989,987 | 1,454,905 | 1,323.018 | 1,222,010 | 1,027,309 | 18 | 18 | 12 | 12 | 12 | 12 | 10 |
| Philippines | : 148,334 | 157,216 | 108,683 | 0 | 33.167 | 35.072 | 0 | 1 | 1 | 1 | 0 | 4/ | 4/ | 10 |
| South Korea | : 609,324 | 615,563 | 2,043,224 | 1,653,816 | 1.701.829 | 1.502.296 | 1,643,949 | δ | 5 | 12 | 14 | 15 | 15 | 16 |
| Asia, other | : 70,576 | 54,176 | 79,788 | 440 | 0 | 232 | 10,668 | 1 | 4/ | 4/ | 4/ | 10 | 4/ | |
| Asia | : 3,240,918 | 3,959,398 | | 3,573,592 | | 3,159,895 | 3,223,767 | 30 | 30 | 27 | 31 | 31 | 32 | 4/ 32 |
| Sustralia | : 20,699 | 329 | 393,725 | | | | - | | | _ | | _ | | - |
| Vew Zealand | : 13,443 | | | 300,697 | 168,262 | 120,702 | 183,462 | 4/ | 4/ | 2 | 3 | 1 | 1 | 2 |
| Ceania, other | : 10,440 | | 58,431 0 | 156,282 | 97,851 | 116,719 | 183,174 | 4/ | 4/ | 4/ | 1 | 1 | 1 | 2 |
| Oceania | : 34,142 | | | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 4/ | 0 | 0 | 0 |
| occaira | . 34,142 | 347 | 452,156 | 457,005 | 266,113 | 237,421 | 366,636 | 4/ | 4/ | 3 | 4 | 2 | 2 | . 4 |
| outh Africa | : 0 | - | _ | 152,581 | | | | o | .0. | 0 | 1 | 0 | 0 | . 0 |
| frica, other | : 5,627 | 0 | 0 | 19 | 18 | 0 | 0 | 4/ | ŏ | ŏ | 4/ | 4/ | 0 | 0 |
| Africa | : 5,627 | Ô | ō | 152,600 | 18 | Ö | Ö | 4/ | ő | Õ | 1 | 4/ | 0 | 0 |
| Cotal | : :10,972,968 | 13,393,246 | 17,225,995 | 11,693,832 | 11,294,008 | 9.932.990 | 9.980.247 | • | 100 | 100 | _ | | - | 100 |

^{1/} Years ending June 30.
2/ Specific countries listed include those that received at least 100,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.
4/ Less than 0.5 percent.
Source: (2).

Table 17--U.S. imports of potassium chloride, selected market areas and years 1/

| Country of origin 2/ | ; | · | · | - | | | | | | | | | | |
|--------------------------|-------------|-----------|---------------|----------------------|------------|-------------|-------------|------|------|--------|---------|------|------|-------|
| | : 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 7 198 |
| | : | | | Short tons | , | | | ~ | | | Percei | nt | | |
| Canada | : 4,300,133 | 6,227,401 | 8,528,104 | 8,310,088 | 7,442,830 | 6,690,762 | 6,751,659 | 98 | 98 | 95 | 93 | 94 | 95 | 88 |
| Dominican Republic | : 0 | 0 | 0 | 0 | | 2 40- | | | | | | | - | |
| Central America, other | : 0 | ŏ | 6,620 | | 0 | 8,130 | 14,273 | 0 | 0 | 0 | 0 | 0 | 5/ | 5/ |
| Central America 3/ | : 0 | Õ | 6,620 | 1,217 | 5,771 | 0 | 0 | 0 | 0 | 5/ | 5/ | 5/ | Ő | 0 |
| | | U | 0,020 | 1,217 | 5,771 | 8,130 | 14,273 | 0 | 0 | 5/ | 5/ | 5/ | 5/ | 5/ |
| East Germany | : 0 | 0 | 48,799 | 00.740 | · | _ | | | | | | -, | ٧, | ٠, |
| Iceland | : 0 | 0 | | 26,719 | 52,851 | 71,756 | 138,197 | 0 | 0 | 1 | 5/ | 1 | 1 | 2 |
| Netherlands | : 0 | Ö | 0 | 29,554 | 27,777 | 0 | 0 | 0 | 0 | 0 | 5/ | 5/ | ō | õ |
| Spain | 3,000 | | 3,472 | 6,70B | 4,425 | 4,959 | 10,816 | Ō | ò | 5/ | 5/ | 5/ | 5/ | 5/ |
| United Kingdom | - | 0 | 24,937 | 0 | | 0 | 0 | 5/ | ō | 5/ | Ó | 9 | 0 | |
| West Germany | 100 | 303 | 116 | 732 | 534 | 438 | 15,297 | 5/ | 5/ | 5/ | 5/ | 5/ | | 0 |
| Europe, other | : 17,573 | 11,026 | 3,826 | 9,987 | 34,712 | 5,877 | 31,787 | 5/ | 5/ | 5/ | 5/ | | 5/ | 5/ |
| Europe | : 0 | 0 | 0 | 41 | · D | 7,326 | 01,787 | 0 | 0 | | | 5/ | 5/ | 5/ |
| nurope | : 20,673 | 11,329 | 81,150 | 73,741 | 120,299 | 90,356 | 196,097 | 5/ | 5/ | 0 1 | 5/ 1 | 0 | 5/ | 0 |
| Soviet Union | : | | | | | , | 100,007 | 37 | 3/ | 1 | 1 | 2 | 1 | 3 |
| powier outou | : 0 | 0 | 27,677 | 36,215 | 0 | 67,569 | 265,140 | 0 | 0 | E / | ٠, | _ | _ | |
| Israel | : | | | | • | 0.,000 | 200,130 | v | U | 5/ | 5/ | 0 | 1 | 3 |
| | : 33,028 | 67,534 | 325,495 | 470,490 | 336,538 | 208,888 | 436,716 | • | | | _ | | | |
| Asia, other | : 0 | 805 | 706 | 0 | 1,656 | 582 | | 1 | 1 | 4 | 5 | 4 | Э | 6 |
| Asia | : 33,028 | 68,339 | 326,201 | 470,490 | 338,194 | 209,470 | 7,639 | 0 | 5/ | 5/ | 0 | 5/ | 5/ | 5/ |
| : | : | · | , | 110,100 | 000,134 | 209,470 | 444,355 | 1 | 1 | 4 | 5 | 4 | 3 | 6 |
| Benin (Dahomey) | . 0 | 28,396 | 0 | 0 | 0 | | | | | | | | | |
| Congo | 23,921 | 22,677 | Ö | 0 | 0 | 0 | 0 | 0 | 5/ | 0 | 0 | 0 | 0 | D |
| Africa, other | . 0 | 0 | 0 | - | 0 | 0 | 0 | 1 | 5/ | 0 | 0 | 0 | 0 | ō |
| Africa . | 23,921 | 51,073 | 0 | 1,024 | 0 | 33 | 0 | 0 | 0 | 0 | 5/ | 0 | 5/ | ŏ |
| | 50,021 | 01,010 | U | 1,024 | 0 | 33 | 0 | 1 | 1 | 0 | 5/ | ō | 5/ | ŏ |
| Other 4/ | 0 | 508 | ^ | _ | | | | | | | ٠, | - | ٥, | v |
| • | | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 5/ | 0 | ù | 0 | 0 | 0 |
| Total | 4,377,755 6 | 358,650 8 | 3,969,752 8 | 3,8 9 2,775 7 | .907.094 7 | 7.066 320 7 | 7 671 504 | 100 | • | | _ | | - | • |
| 1 (Years : 1) 7 == | | | | | , | ,_00,000 1 | ,0,1,024 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 1/ Years ending June 30. | | | | | | | | | | | | | | |

^{1/} Tears ending June 30.
2/ Specific countries listed include those that have supplied at least 10,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.
4/ Country of origin unknown.
5/ Less than 0.5 percent.
Source: (3).

Table 18--U.S. exports of potassium chloride, selected market areas and years 1/

| Country of destination 2/ | : : 1970 | 1975 | 1980 | 1985 | 1986 | 1987 | 1988 | 1970 | 1975 | 198 | 0 198 | 5 198 | 6 198 | 7 198 |
|---------------------------|----------------|-------------|-----------|-------------|---------|---------------------------------------|-------------|-------------|---------|-----|---------|-------------|-------|-------------|
| | : | ~ | | - Short to | | · · · · · · · · · · · · · · · · · · · | | | <u></u> | | | | | |
| | : | | | - snort for | 18 | | ~~~~~ | | | | - Perc | ent | | |
| Canada | : 45 | 4 4,371 | 4,235 | 1,412 | 2,968 | 343 | 1,994 | 4/ | 4/ | 4/ | 4/ | 4/ | 4/ | 4/ |
| Costa Rica | : 14,45 | 1 24,424 | 14 000 | 5.554 | | | | | ~ | -, | -1/ | 7/ | 4/ | 4/ |
| Dominican Republic | : 5,55 | | | 9,234 | 8,310 | 6,515 | 26,269 | 2 | 2 | 1 | 1 | 1 | 1 | 5 |
| Mexico | : 43,10 | , | , | 23,532 | 18,156 | 33,803 | 34,736 | ī | 2 | 4 | 3 | 3 | | |
| Central America, other | | | | 80,671 | 51,109 | 63,688 | 12,381 | 5 | 12 | 6 | 10 | | | • |
| Central America 3/ | : 19,47 | , | | 4,155 | 16,094 | 26,772 | 32,032 | 2 | 2 | 2 | | | 8 | |
| Central America 3/ | : 82,586 | 0 177,781 | 157,196 | 117,592 | 93,669 | 130,778 | 105,418 | 9 | 18 | 13 | 1 15 | 3 | | |
| Brazil | : : 172,848 | 9 101 700 | | | | ., | ,120 | 3 | 10 | 13 | 13 | 16 | 16 | 20 |
| Colombia | | | | 367,901 | 189,795 | 190,894 | 289,474 | 19 | 19 | 51 | 46 | 20 | ٠. | |
| Peru | 20,844 | | 38,984 | 88,764 | 17,770 | 23,008 | 9,679 | 2 | 2 | | | 32 | 24 | 55 |
| | 2,483 | , | 12,025 | 26,330 | 7,087 | 20,451 | 13,946 | | | 3 | 11 | 3 | 3 | 2 |
| South America, other | : 34,082 | 24,646 | 26,016 | 21,590 | 25,299 | 16,875 | | 4/ | 1 | 1 | 3 | 1 | 3 | 3 |
| South America | : 230,255 | | 682,631 | 504,585 | 239,951 | | 27,669 | 4 | 2 | 2 | 3 | 4 | 2 | 5 |
| | : | , | 002,001 | 304,300 | 208,931 | 251,228 | 340,768 | 26 | 24 | 57 | 63 | 40 | 32 | 64 |
| Belgium-Luxembourg | : 72 | 2 0 | 0 | 0 | 23,699 | 70 000 | 44 554 | | | | | | | |
| Denmark | : 0 | 0 | 39,581 | ŏ | - | 79,982 | 11,574 | 4/ | 0 | 0 | 0 | 4 | 10 | 2 |
| Ireland | : 0 | | 00,001 | ŏ | 0 | 23 | 0 | 0 | 0 | 3 | 0 | 0 | 4/ | ō |
| Vetherlands | : 12,322 | , | ŏ | - | 0 | 20,421 | 13,128 | 0 | 3 | 0 | 0 | Ō | з́з | 2 |
| Surope, other | : 13,922 | | - | 0 | 0 | 50,112 | 0 | 1 | 4/ | 0 | Õ | ŏ | 6 | ő |
| Europe | 26,316 | , | 493 | 550 | 14,963 | 1,066 | 9,872 | 2 | 1 | 4/ | 4/ | 2 | 4/ | |
| | . 20,310 | 42,629 | 40,074 | 550 | 38,662 | 151,604 | 34,574 | 3 | 4 | 3 | 4/ | 6 | 19 | 2 7 |
| Thina | . 0 | 0 | | | | | | | _ | - | | | 13 | ſ |
| iong Kong | : 0 | | 0 | 0 | 55 | 59,554 | 0 | 0 | 0 | 0 | 0 | 4/ | 7 | 0 |
| ndia | : 0 | • | 0 | 0 | 0 | 42,339 | 0 | 0 | Ŏ | ŏ | ŏ | 0 | 5 | 0 |
| apan | | | 0 | 0 | 95,072 | 19,239 | 0 | Ď | ő | ō | Õ | 16 | | _ |
| Milippines | 281,803 | | 103,959 | 59,677 | 73,194 | 98,332 | 42,112 | 31 | 7 | 9 | 8 | | 2 | 0 |
| aiwan | 25,759 | | 8,128 | 0 | 48 | 48 | 26 | 3 | 6 | | | 12 | 12 | 8 |
| sia, other | 45,363 | , | 0 | 308 | 0 | 28,918 | 0 | 5 | 4 | 1 | 0 | 4/ | 4/ | 4/ |
| Asia | 29,557 | | 12,321 | 15,720 | 240 | 64 | 08 | | _ | - | 4/ | 0 | 4 | 0 |
| nsla ; | 382,482 | 193,436 | 124,408 | 75,705 | 168,609 | 248,494 | 42,218 | 3 | 2 | 1 | 2 | 4/ | 4/ | 4/ |
| | | | | , | 100,000 | 240,434 | 42,210 | 42 | 19 | 10 | 10 | 28 | 31 | 8 |
| ustralia : | 87,929 | 156,261 | 17,827 | 6,691 | 13,140 | 8,621 | or | | 4- | | | | | |
| ew Zealand | 92,379 | 201,313 | 162,524 | 88,080 | 45,065 | | 85 | 10 | 15 | 1 | 1 | 2 | 1 | 4/ |
| Oceania : | 180,308 | 357,574 | 180,351 | 94,771 | | 5,689 | 3,176 | 10 | 20 | 14 | 11 | 7 | 1 | 1 |
| _ | | , | ,001 | U-1,111 | 58,205 | 14,310 | 3,261 | 20 | 35 | 15 | 12 | 10 | 2 | ī |
| frica | 13 | 165 | 103 | 212 | 276 | 138 | 143 | 4/ | 4/ | 47 | 47 | | | |
| otal | 902,408 | 1,014,968 1 | 188 006 | 70 A DOD | | | | 3/ | 1/ | 4/ | 4/ | 4/ | 4/ | 4/ |
| • | 2000 | ->014'90D] | 1,100,330 | 794,827 | 602.340 | 796,895 | 528,376 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^{2/} Specific countries listed include those that received at least 25,000 short tons of material in any selected year.
3/ Central America includes Caribbean countries.

^{4/} Less than 0.5 percent. Source: (2).

##