**Data Sources**

**Commercial Fertilizers 2013**

*Commercial Fertilizers 2013* is based on fertilizer consumption information submitted by state fertilizer control offices. The consumption data include total fertilizer sales or shipments for farm and non-farm use. Liming materials, peat, potting soils, soil amendments, soil additives, and soil conditioners are excluded. Materials used for the manufacture or blending of reported fertilizer grades or for use in other fertilizers are excluded to avoid duplicate reporting. Some states do not report final grades; therefore, basic materials including both single-nutrient and multiple-nutrient are reported. Significant effort was exerted to check the accuracy of and faithfully summarize each state’s data; however, AAPFCO is not responsible for the accuracy of the data.

Comments on the fertilizer year (FY) 2013 data from certain specific states follow (See *Commercial Fertilizers 2012* for comments on the FY 2012 data sources).

**Alabama**-The AL Department of Agriculture provided total tons for FY 2013 based on income from inspection fees. The total tonnage for CF 2013 was proportioned into the tonnage for thecounties and the individual materials and grades in the same ratio as that in 1998 their last detailed report.

**Alaska**-No estimate was received from the AK Department of Natural Resources; factors used to estimate FY2013 tonnage are found in Appendix B.

**Arizona**-The AZ Department of Agriculture stopped using estimates for their dry mixed and liquid mixed fertilizers and began using the grades as reported by the registrants.

**California**-The CA Department of Food and Agriculture report includes usual data for farm fertilizers but only total tons for non-farm fertilizers. The Department estimated the grade of non-farm fertilizers as 10-3-3. For farm fertilizers, all nitrogen, phosphate, and potash materials of unknown analyses were combined and assigned an estimated grade of 12-11-8 and 12-18-6 for the July-December and January-June periods, respectively. These estimated grades were used to calculate the nutrient data but were excluded from Tables 15-17. The data reported for 2013 are the same data utilized in 2012, issues with the 2013 dataset could not be worked out.

**Colorado-** The CO Department of Agriculture has changed their reporting period from fiscal to calendar. FY 2013 data are for the year beginning January 2013.

**Georgia**-The GA Department of Agriculture does not report the grades of mixed fertilizers. The Department estimated grades of dry mixed and liquid mixed fertilizers as 8-12-18, 7-9-15, respectively. These estimated grades were used to calculate the nutrient data but were excluded from Tables 15-17.

**Hawaii**- A CF 2013 Tonnage report was not received from the HI Department of Agriculture. Factors used to estimate FY2013 tonnage are found in Appendix B. The total tonnage was proportioned into the tonnage for the individual materials and grades in the same ratio as in the original TVA estimate. The specific materials and grades reported are based on a TVA estimate from about 1989 that has been carried forward and adjusted each year as above.

**Maine**-. The total tonnage for CF 2013 was proportioned into the tonnage for thecounties and the individual materials and grades in the same ratio as that in 1994, their last detailed report.

**North Carolina**-The NC Department of Agriculture has reported only total tonnage for the fertilizer years since 1997. There were no county data or breakout of materials or mixed grades. The total tonnage for CF 2013 was proportioned into the tonnage for the counties and the individual materials and grades in the same ratio as that in 1997, their last detailed report.

**Ohio**-The Ohio Department of Agriculture changed their reporting period to November 1-October 30; therefore, reported tonnage is for the period November 1, 2012 through October 30, 2013.

**Puerto Rico**- PR did not report this year. Factors used to estimate FY2013 tonnage are found in Appendix B. Mixtures were assigned the grade of 11.2-5-12.4 which was the average grade reported in 2000, their last complete report. This estimated grade was used to calculate the nutrient data but was excluded from Table 15. The N, P, and K materials were arbitrarily assigned the grades of 15-0-0, 0-15-0, and 0-0-15, respectively. The miscellaneous materials were assigned the code of 978 with a grade of 0-0-0.

**South Dakota-**The SD data for CF 2013 are for the calendar year 2012.

**Texas**-The TX data for CF 2013 are for the year, September 1-August 31. TX does not collect the grades of specialty products and estimated the grade as 15-5-10. This grade was used to calculate the nutrient data but was excluded from Tables 15-17.

**Wyoming**-The WY Department of Agriculture does not report fertilizer tonnage. The CF 2013 tonnage for WY was estimated based on tonnage reported in the surrounding states of CO, ID, MT, and UT and in consultation with the Wyoming Department of Agriculture. The individual materials and grades and their distribution by county are based on the last Wyoming tonnage report for fertilizer year 1993. The total tonnage was proportioned into the tonnage for the counties and individual materials and grades in the same ratio as that in 1993, their last detailed report.

**Electronic Data Bases**

Complete data sets for fertilizer years 1985-2013 are available in ASCII or Excel computer file formats at a cost of $600(US) per year for the two most recent years and $250 per year for the other years. There were 29 states reporting county data for the 2013 fertilizer year and we estimated county data for four states. Special analyses of the data are also available upon request at an additional cost. Requests for the databases should be made to: **Joseph V. Slater ,Fertilizer Control Service, University of Missouri, Columbia, Mo 65211-8080, Phone 573/882-0007, FAX 573/882-4543, E-Mail: slaterj@missouri.edu.**

**Acknowledgment and Request**

Appreciation is expressed to each control official and the workers in their offices for supplying the data for this publication. Without their cooperation this publication would not be possible. Comments and suggestions are invited and should be directed to the address above. You are invited to visit AAPFCO's website for more information and activities of the Association: <http://www.aapfco.org>.

Appreciation is also expressed to TFI for their review of the preliminary tables which resulted in a more accurate report and for their publishing and distributing the publication.

### Methods

### Where there are no tonnage data available for a state, the following factors were applied to the CF 2012 tonnage data to estimate CF2013 tonnage. These factors represent a weighted average of the change from 2012 to 2013 in the reported tonnage from the surrounding states indicated. Estimates are subject to revision in subsequent reports.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| State | SurroundingStates Used | Nitrogen Materials | **Phosphate Materials** | | Potash Materials | | All Other |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | |
| ALSK | 46 states\* | 1.0458 | 1.0306 | 1.0212 | | 1.0375 | |
| HAW | 46 states\* | 1.0458 | 1.0306 | 1.0212 | | 1.0375 | |
| Maine | CT, MA, NH, RI | 1.2135 | 1.0050 | 1.0927 | | 1.1475 | |
| PR | 46 states\* | 1.0458 | 1.0306 | 1.0212 | | 1.0375 | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\* 46 states: AL, AZ, AR, CA, CO, CT, DE, FL, GA, ID, IL, IN, IA, KS, KY, LA, MD, MA, MI, MN, MO, MT, NE, NV, NH, NJ, NM, NY, NC, ND, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WV, WI and WY. | | | | | | | |

|  |  |  |
| --- | --- | --- |
| Product Categories **Nitrogen Materials** | **Phosphate Materials** | **Potash Materials** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| Anhydrous ammonia | Superphosphoric Acid | Potassium chloride, 60% and 62% K2O |
| Aqua ammonia | Superphosphate, 22 percent and under | Potassium sulfate, 50% K2O |
| Nitrogen solutions, 5 – 27% Nitrogen | Superphosphate, over 22 percent | Potassium-mag. Sulfate, 22% K2O |
| Nitrogen solutions, 28% Nitrogen | Other single-nutrient phosphate fertilizers | Other single-nutrient potash fertilizers |
| Nitrogen solutions, 30% Nitrogen | 10-34-0 |  |
| Nitrogen solutions, 32% Nitrogen | 10-30-0 |  |
| Urea | 11-37-0 |  |
| Ammonium nitrate | 16-20-0 |  |
| Ammonium Sulfate | 11-(51-55)–0 |  |
| Ammonium Thiosulfate | 18–46–0 |  |
| Other single-nutrient nitrogen fertilizers |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| All Other: Materials not included in the Nitrogen, Phosphate, or Potash categories. | | |

### Regions and States

**New England**

Maine

New Hampshire

Vermont

Massachusetts

Rhode Island

Connecticut

**Middle Atlantic**

New York

New Jersey

Pennsylvania

Delaware

Maryland

West Virginia

#### South Atlantic

Virginia

North Carolina

South Carolina

Georgia

Florida

#### East North Central

Ohio

Indiana

Illinois

Michigan

Wisconsin

#### West North Central

Minnesota

Iowa

Missouri

North Dakota

South Dakota

Nebraska

Kansas

#### East South Central

Kentucky

Tennessee

Alabama

Mississippi

**West South Central**

Arkansas

Louisiana

Oklahoma

Texas

#### Mountain

Montana

Idaho

Wyoming

Colorado

New Mexico

Arizona

Utah

Nevada

#### Pacific

Washington

Oregon

California

#### Other

Alaska

Hawaii

Puerto Rico