**Data Sources**

**Commercial Fertilizers 2015**

*Commercial Fertilizers 2015* 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) 2015 data from certain specific states follow (See *Commercial Fertilizers 2014* for comments on the FY 2014 data sources).

**Alabama**-The AL Department of Agriculture provided total tons for FY2015 based on income from inspection fees. The total tonnage for FY2015 was proportioned into the tonnage for thecounties and the individual materials and grades in the same ratio as that in FY1998, the state’s last detailed report.

**Alaska**-No estimate was received from the AK Department of Natural Resources; factors used to estimate FY2015 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.

**Colorado-** The CO Department of Agriculture has changed their reporting period from fiscal to calendar year. FY2015 data are for the year beginning January 2015.

**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 FY2015 Tonnage report was not received from the HI Department of Agriculture. Factors used to estimate FY2015 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 FY1989 that has been carried forward and adjusted each year as above.

**Idaho-** The ID Department of Agriculture did not provide tonnage data for the full fertilizer year July to June. The data for FY2015 were estimated by applying the factors in Appendix B to the data reported in FY2014.

**Illinois- The IL Department of Agriculture did provide tonnage data for the fertilizer year 2015; however, there appeared to be a significant error. Therefore, please see the note in Appendix B for the resolution to the issue.**

**Mississippi**- Mississippi did not provide a report for FY2015. The data for FY2015 were estimated by applying the factors in Appendix B to the data reported in FY2013.

**New York- The New York data for CF2015 is for the calendar year 2015.**

**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 FY2014 was proportioned into the tonnage for the counties and the individual materials and grades in the same ratio as that in FY1997, the state’s 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, 2013 through October 31, 2015.

**Puerto Rico**- PR did not report this year. The data for FY2015 were estimated by applying the factors in Appendix B to the estimated data reported in FY2014. Mixtures were assigned the grade of 11.2-5-12.4 which was the average grade reported in FY2000, 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.

**Texas**-The TX data for FY2015 are for the year September 1, 2014 - August 31, 2015. 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.

**West Virginia- The West Virginia Department of Agriculture did not provide a report for FY15.** The data for FY2015 were estimated by applying the factors in Appendix B to the data reported in FY2014.

**Wyoming**-The WY Department of Agriculture does not report fertilizer tonnage. Factors used to estimate FY2014 tonnage are found in Appendix B. The individual materials and grades and their distribution by county are based on the last Wyoming tonnage report for FY1993. The total tonnage was proportioned into the tonnage for the counties and individual materials and grades in the same ratio as that in FY1993, the state’s last detailed report.

**Electronic Data Bases**

Complete data sets for fertilizer years 1985-2015 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 33 states reporting county data for the 2015 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 ,Secretary AAPFCO, 9106 Audrain Road 395, Thompson, MO 65285-2204, Phone 573/303-6364, 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

The data received from Illinois indicated a decline in nutrient use in 2015 of over 50 percent, despite a decline in corn acreage planted of only 1.7 percent, and so was deemed to be problematic. As corn is the primary nutrient using crop in Illinois, the following factors were applied to the CF 2014 tonnage data for the state to estimate CF 2015 tonnage for Illinois. These factors represent an average of the change in total nutrient tonnage from 2014 to 2015 in the 10 largest corn producing states, excluding Illinois. The nutrient use estimates for Illinois are subject to revision in subsequent reports.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **State** | **Nitrogen Materials** | **Phosphate Materials** | **Potash Materials** | **All Other** |
| ILL | 0.9848 | 0.9037 | 0.8907 | 0.9462 |

\*10 largest corn producing states, excluding ILL: IND, IOWA, KANS, MINN, MO, NEBR, OHIO,

S DAK, and WISC.

Where there are no tonnage data available for a state, the following factors were applied to the CF 2014 tonnage data to estimate CF 2015 tonnage. These factors represent an average of the change from 2014 to 2015 in the total reported tonnage from the 44 states indicated. Estimates are subject to revision in subsequent reports.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **State** | **Nitrogen Materials** | **Phosphate Materials** | **Potash Materials** | **All Other** |
| ALSK | 0.9795 | 0.9074 | 0.9014 | 0.9473 |
| HAW | 0.9795 | 0.9074 | 0.9014 | 0.9473 |
| IDAHO | 0.9795 | 0.9074 | 0.9014 | 0.9473 |
| MISS | 0.9795 | 0.9074 | 0.9014 | 0.9473 |
| W VA | 0.9795 | 0.9074 | 0.9014 | 0.9473 |
| WYO | 0.9795 | 0.9074 | 0.9014 | 0.9473 |
| P R | 0.9795 | 0.9074 | 0.9014 | 0.9473 |

\*44 states: ALA, ARIZ, ARK, CALIF, COLO, CONN, DEL, FLA, GA, ILL, IND, IOWA, KANS, KY, LA, MAINE, MD, MASS, MICH, MINN, MO, MONT, NEBR, NEV, N H, N J, N MEX, N Y, N C, N DAK, OHIO, OKLA, OREG, PA, R I, S C, S DAK, TENN, TEX, UTAH, VT, VA, WASH, and WISC.

|  |  |  |
| --- | --- | --- |
| 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 |  |  |
|  | | |

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| --- |
| All Other: Materials not included in the Nitrogen, Phosphate, or Potash categories. |