

| FERTILIZER MATERIALS TONNAGE SHIPPED | | | | |
|--------------------------------------|------------|---------|---------|-----------|
| Year | Fertilizer | Lime | Gypsum | Total |
| 2002 | 1,366,356 | 878,562 | 71,833 | 2,316,751 |
| 2003 | 1,302,194 | 529,701 | 65,188 | 1,897,083 |
| 2004 | 1,591,225 | 663,659 | 123,527 | 2,378,411 |
| 2005 | 1,400,426 | 702,108 | 82,512 | 2,185,046 |
| 2006 | 1,654,521 | 852,749 | 62,241 | 2,569,511 |
| 2007 | 1,605,642 | 675,650 | 84,987 | 2,366,279 |

| FERTILIZER TONNAGE SHIPPED ¹ | | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| 2006 | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | |
| Dry Materials | 33,776 | 25,283 | 20,456 | 25,597 | 26,109 | 25,876 | |
| Mixed Materials | 27,791 | 6,801 | 2,509 | 6,277 | 7,106 | 5,197 | |
| Other Dry Materials | 27 | 508 | 666 | 1,862 | 1,108 | 782 | |
| Bagged Products | 12,054 | 12,385 | 19,763 | 11,334 | 6,122 | 10,794 | |
| Fluid Materials | 24,885 | 7,330 | 4,149 | 11,258 | 9,107 | 17,226 | |
| Mixed Fluid Materials | 5,984 | 1,885 | 2,001 | 387 | 349 | 915 | |
| Other Fluid Materials | 90 | 151 | 9 | 98 | 5 | 54 | |
| Total | 104,607 | 54,343 | 49,553 | 56,813 | 49,906 | 60,844 | |
| 2007 | Jan. | Feb. | Mar. | Apr. | May | Jun. | Total Year |
| Dry Materials | 25,205 | 36,594 | 85,145 | 102,802 | 37,125 | 57,554 | 501,522 |
| Mixed Materials | 5,565 | 8,839 | 36,344 | 82,642 | 26,367 | 28,610 | 244,048 |
| Other Dry Materials | 5,565 | 1,146 | 2,073 | 3,825 | 1,029 | 509 | 19,100 |
| Bagged Products | 13,546 | 26,383 | 64,925 | 62,503 | 35,154 | 20,939 | 295,902 |
| Fluid Materials | 36,223 | 37,055 | 49,841 | 105,619 | 41,131 | 63,932 | 407,756 |
| Mixed Fluid Materials | 4,318 | 9,227 | 17,432 | 51,873 | 21,749 | 19,561 | 135,681 |
| Other Fluid Materials | 45 | 129 | 464 | 256 | 159 | 173 | 1,633 |
| Total | 90,467 | 119,373 | 256,224 | 409,520 | 162,714 | 191,278 | 1,605,642 |

¹ July 1, 2006 - June 30, 2007.

| FERTILIZER PRIMARY NUTRIENT APPLICATIONS, 2007 | | | | | | |
|--|--------------------|--------------|--------------|----------------------|--------------------|---------------|
| Primary Nutrient | Planted Acreage | Area Applied | Applications | Rate per Application | Rate per Crop Year | Total Applied |
| | Acres | Percent | Number | Pounds per Acre | Pounds per Acre | Mil. lbs. |
| Upland Cotton | 500,000 | | | | | |
| Nitrogen | | 92 | 2.0 | 34 | 68 | 31.3 |
| Phosphate | | 71 | 1.2 | 27 | 31 | 11.0 |
| Potash | | 89 | 1.1 | 89 | 99 | 44.2 |
| Sulfur | | 25 | 1.4 | 17 | 23 | 2.9 |
| Apples | 6,800 ¹ | | | | | |
| Nitrogen | | 56 | 1.1 | 64 | 70 | 267.2 |
| Phosphate | | 53 | 1.1 | 77 | 83 | 297.1 |
| Potash | | 54 | 1.1 | 76 | 82 | 300.7 |
| Sulfur ² | | | | | | |

¹ Bearing Acreage. ² Insufficient reports to publish fertilizer data.

UPLAND COTTON: AGRICULTURAL CHEMICAL APPLICATIONS, 2007 ¹

| Active Ingredient | Area Applied | Applications | Rate per Application | Rate per Crop Year | Total Applied |
|------------------------------|--------------|--------------|----------------------|--------------------|---------------|
| | Percent | Number | Pounds per Acre | Pounds per Acre | 1,000 lbs. |
| Herbicides | | | | | |
| 2,4-D, 2-EHE | 2 | 1.0 | 0.226 | 0.226 | 2 |
| 2,4-D, dimeth. salt | 8 | 1.0 | 0.606 | 0.606 | 25 |
| Carfentrazone-ethyl | 12 | 1.1 | 0.015 | 0.018 | 1 |
| Diuron | 25 | 1.1 | 0.521 | 0.563 | 71 |
| Flumiclorac-pentyl | 10 | 1.0 | 0.038 | 0.039 | 2 |
| Flumioxazin | 8 | 1.0 | 0.044 | 0.044 | 2 |
| Fluometuron | 12 | 1.0 | 0.758 | 0.758 | 47 |
| Glyphosate | 15 | 2.0 | 0.766 | 1.517 | 118 |
| Glyphosate iso. salt | 89 | 2.5 | 0.738 | 1.871 | 833 |
| Linuron | 1 | 1.0 | 0.481 | 0.481 | 3 |
| MSMA | 19 | 1.0 | 1.410 | 1.410 | 132 |
| Pendimethalin | 19 | 1.0 | 0.624 | 0.636 | 62 |
| Prometryn | 26 | 1.0 | 0.843 | 0.843 | 110 |
| Pyraflufen-ethyl | 7 | 1.0 | 0.003 | 0.003 | ² |
| Pyriproxyfen-sodium | 15 | 1.0 | 0.064 | 0.064 | 5 |
| S-Metolachlor | 12 | 1.0 | 0.890 | 0.890 | 54 |
| Trifloxysulfuron-sod | 17 | 1.1 | 0.006 | 0.007 | 1 |
| Insecticides | | | | | |
| Acephate | 39 | 1.3 | 0.481 | 0.619 | 122 |
| Aldicarb | 35 | 1.0 | 0.756 | 0.756 | 132 |
| Cyfluthrin | 18 | 1.0 | 0.033 | 0.033 | 3 |
| Cypermethrin | 4 | 1.0 | 0.108 | 0.108 | 2 |
| Lambda-cyhalothrin | 17 | 1.6 | 0.028 | 0.044 | 4 |
| Zeta-cypermethrin | 13 | 1.4 | 0.022 | 0.031 | 2 |
| Fungicides | | | | | |
| PCNB | 2 | 1.0 | 1.094 | 1.094 | 14 |
| Other Chemicals | | | | | |
| Bacillus cereus ³ | 10 | 1.2 | | | |
| Cyclanilide | 40 | 1.1 | 0.133 | 0.147 | 29 |
| Ethephon | 87 | 1.0 | 1.194 | 1.206 | 522 |
| Kinetin | 3 | 1.2 | ⁴ | ⁴ | ² |
| Mepiquat chloride | 53 | 1.5 | 0.029 | 0.043 | 12 |
| Mepiquat pentaborate | 3 | 1.2 | 0.069 | 0.085 | 1 |
| Monocarbamide dihyd. | 15 | 1.0 | 2.913 | 2.913 | 219 |
| Paraquat | 4 | 1.0 | 0.451 | 0.451 | 8 |
| Thidiazuron | 49 | 1.0 | 0.069 | 0.070 | 17 |
| Tribufos | 29 | 1.0 | 0.530 | 0.537 | 77 |

¹ Planted acreage in 2007 for North Carolina was 500,000 acres. ² Total applied is less than 500 lbs. ³ Rates and total applied are not available because amounts of active ingredient are not comparable between products. ⁴ Rate per acre is less than 0.0005 lbs.

APPLES: AGRICULTURAL CHEMICAL APPLICATIONS, 2007¹

| Active Ingredient | Area Applied | Applications | Rate per Application | Rate per Crop Year | Total Applied |
|-----------------------|----------------|---------------|------------------------|------------------------|-------------------|
| | <i>Percent</i> | <i>Number</i> | <i>Pounds per Acre</i> | <i>Pounds per Acre</i> | <i>1,000 lbs.</i> |
| Herbicides | | | | | |
| 2,4-D, dimeth. salt | 5 | 1.4 | 0.853 | 1.237 | 0.4 |
| Glyphosate iso. salt | 13 | 1.5 | 1.130 | 1.735 | 1.5 |
| Insecticides | | | | | |
| Acetamiprid | 69 | 2.3 | 0.221 | 0.515 | 2.4 |
| Azinphos-methyl | 52 | 2.3 | 0.827 | 1.866 | 6.6 |
| Benzoic acid | 39 | 1.7 | 0.215 | 0.364 | 1.0 |
| Carbaryl | 3 | 1.0 | 1.123 | 1.132 | 0.2 |
| Chlorpyrifos | 65 | 1.2 | 1.065 | 1.309 | 5.8 |
| Endosulfan | 3 | 1.5 | 1.010 | 1.495 | 0.3 |
| Esfenvalerate | 13 | 3.9 | 0.064 | 0.252 | 0.2 |
| Fenpropathrin | 18 | 1.5 | 0.214 | 0.323 | 0.4 |
| Permethrin | 14 | 1.7 | 0.151 | 0.255 | 0.2 |
| Petroleum distillate | 83 | 1.3 | 31.288 | 39.133 | 221.3 |
| Phosmet | 41 | 2.5 | 1.918 | 4.875 | 13.4 |
| Thiacloprid | 10 | 2.4 | 0.133 | 0.317 | 0.2 |
| Fungicides | | | | | |
| Basic copper sulfate | 5 | 2.2 | 3.354 | 7.366 | 2.4 |
| Boscalid | 10 | 2.0 | 0.015 | 0.030 | ² |
| Captan | 63 | 4.7 | 2.462 | 11.573 | 49.4 |
| Copper hydroxide | 7 | 1.4 | 2.112 | 3.044 | 1.5 |
| Copper oxychlor. sul. | 18 | 3.2 | 0.845 | 2.674 | 3.2 |
| Cyprodinil | 19 | 2.8 | 0.197 | 0.556 | 0.7 |
| Dodine | 26 | 1.7 | 0.695 | 1.207 | 2.1 |
| Fenarimol | 21 | 2.2 | 0.060 | 0.133 | 0.2 |
| Kresoxim-methyl | 38 | 2.0 | 0.163 | 0.335 | 0.9 |
| Mancozeb | 45 | 2.7 | 2.879 | 7.802 | 24.1 |
| Metiram | 48 | 3.4 | 2.702 | 9.157 | 30.0 |
| Myclobutanil | 35 | 2.8 | 0.111 | 0.314 | 0.7 |
| Pyraclostrobin | 10 | 2.0 | 0.001 | 0.002 | ² |
| Streptomycin | 8 | 2.6 | 0.167 | 0.429 | 0.2 |
| Streptomycin sulfate | 10 | 1.2 | 0.178 | 0.214 | 0.1 |
| Sulfur | 28 | 3.4 | 5.989 | 20.206 | 39.0 |
| Thiophanate-methyl | 50 | 4.9 | 0.486 | 2.366 | 8.0 |
| Trifloxystrobin | 17 | 2.5 | 0.079 | 0.198 | 0.2 |
| Ziram | 43 | 3.5 | 3.603 | 12.718 | 36.9 |

¹ Bearing acreage in 2007 for North Carolina was 6,800 acres. ² Total applied is less than 50 lbs.