



**Department of  
Environmental  
Conservation**

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**Summary Report  
For  
New York State  
Pesticide Sales and  
Applications  
2014**

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## **ACKNOWLEDGMENTS**

The Department wishes to acknowledge the cooperation and assistance of Cornell University, and specifically the Pesticide Sales and Use Reporting unit within the Pesticide Management Education Program in the College of Agriculture and Life Sciences, in the preparation and development of this annual report.

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## **Executive Summary**

The New York State Department of Environmental Conservation (Department), in conjunction with Cornell University, presents this summary report to the Governor and Legislature under Environmental Conservation Law Article 33, Title 12, known as the Pesticide Reporting Law (PRL). This report summarizes the pesticide sales and application data submitted to the Department for the calendar year 2014. The finalized data have been incorporated into a master database maintained by Cornell University. This database is accessible by the public and is an information source for health researchers or other users of the data.

The department received reports from 16,122 certified applicators and technicians, which is 95% of the 16,977 applicators and technicians required to submit a report for 2014.

The following is the total amount of pesticide products applied in New York State by certified commercial applicators and technicians in 2014:

- 2,970,290 Gallons of liquid formulation products
- 25,917,109 Pounds of solid formulation products
- Number of Products: 4,459

A summary of the quantity of pesticide products applied for each county can be found in Table 2 on pages 4 – 5 and in Figures 1 and 2 on pages 6 – 7.

The following is the total amount of pesticide products sold to private applicators for agricultural use in New York State in 2014:

- 945,335 Gallons
- 4,245,340 Pounds
- Number of Products: 1,285

The total quantity of pesticide products sold to private applicators reflects the sales of restricted use and general use pesticide products by commercial permit holders to private applicators to use for the purposes of producing an agricultural commodity. A summary of the quantity of pesticide products sold to private applicators by county can be found in Table 3 on pages 8 - 9 and in Figures 3 and 4 on pages 10 – 11.

The following is the total amount of restricted use pesticide products sold to commercial applicators for end use in New York State:

- 1,179,124 Gallons
- 10,916,352 Pounds

- Number of Products: 727

These numbers reflect sales by commercial permit holders to certified commercial applicators that intend to apply the pesticides.

The following is the total amount of restricted use pesticide products sold to distributors for resale in New York State:

- 765,523 Gallons
- 6,652,272 Pounds
- Number of Products: 476

These numbers reflect sales to commercial permit holders that intend to resell the pesticide product. Some or all of these quantities are also reflected in the quantities of products mentioned above that are sold to private or commercial applicators or used by commercial applicators and technicians.

Also provided in this report are summaries of the top ten pesticide products used and sold in New York State during 2014. See pages 12 – 16 for these summaries which include information such as the amount of the product used or sold, the product's active ingredients and the type of product.

**Please note:** Although the Department and Cornell University have gone to great lengths to assure the quality of the data, there are still significant concerns regarding potential inaccuracies in the data received from the regulated community. Users of this data are strongly cautioned about limitations of the data and are advised to go to the PRL Annual Reports page <https://www.dec.ny.gov/chemical/96898.html> to review information regarding data quality. The Department continues to reach out to regulated entities and provide information and technical assistance to them, and many times even works one on one with them to ensure they are accurately complying with the reporting requirements of the PRL. The Department also takes actions to hold entities accountable for any identifiable inaccuracies in reports provided and requires correction and re-submission where necessary.

For more information about the 2014 data and to use the searchable database, users can access this information at Cornell's Pesticide Sales and Use Reporting website: <https://psur.cce.cornell.edu/>.

## **I. INTRODUCTION**

The New York State Department of Environmental Conservation (Department), in conjunction with work conducted by Cornell University, presents this summary report of the final pesticide sales and application data for calendar year 2014 submitted under Environmental Conservation Law Article 33, Title 12, known as the Pesticide Reporting Law (PRL). This report summarizes the data as submitted to the Department, with some corrections as noted below. The finalized data have been incorporated into a master database maintained by Cornell University. This database is accessible to the public and is an information source for health researchers and other users of the data.

## **II. 2014 Pesticide Reporting Program**

### **A. Reports Received**

As of April 17, 2015 the Department received reports from 16,122 of the 16,977 commercial applicators and technicians required to report for the calendar year 2014. The Department also received reports from 296 of the 306 commercial permittees required to report for 2014. These figures indicate that 95% of commercial applicators and technicians and 97% of commercial permittees were in compliance with the PRL. The Department will continue to provide outreach and education to the regulated community to achieve maximum compliance with the reporting requirement.

### **B. Quality Control**

The Department continues to enhance and streamline the process for reporting, as well as the system for managing the 16,000 reports that are received annually.

Department staff continue to use a system of front-line quality control procedures to evaluate incoming reports to ensure basic criteria are met, regardless of whether the report was submitted on paper or electronically. Paper reports are checked for certain criteria to maximize the volume of data that will be transferrable into Cornell's master database. If a report did not meet these criteria, Department staff sought to correct the report with the person filing the report. If the errors were too numerous, the report was rejected and returned to the business or applicator to be corrected and resubmitted. Electronic reports are subjected to several validation processes including validating file format and certain data values. This process enables staff to contact report submitters for corrections in a timely manner.

As part of our standard quality assurance processes, the Department and Cornell identified reports that contained quantities that appeared to fall outside of accepted parameters. Staff reviewed reports containing these “out-of-range” quantities and the responsible applicators and businesses were contacted. Reporting errors were corrected by staff with the approval of the applicator or business. These corrected data were forwarded to Cornell to replace the original reports in the database.

### **C. Data Qualifications**

The reporting community, the Department and Cornell University work together to provide the best information possible for health researchers. However, the data is neither perfectly accurate nor complete. Although the Department and Cornell have gone to great lengths to assure the quality of the data, there are still significant concerns regarding potential inaccuracies in the data received from the regulated community. Users of this data are advised to go to the PRL Annual Reports page (<http://dec.ny.gov/chemical/96898.html>) to review information regarding data quality.

The Department continues to reach out to regulated entities and provide information and technical assistance to them, and many times even works one on one with them to ensure they are accurately complying with the reporting requirements of the PRL. The Department also takes actions to hold entities accountable for any identifiable inaccuracies in reports provided and requires correction and re-submission where necessary.

### III. 2014 Reporting Data

#### A. General Synopsis of Data

The following table provides a summary of pesticide sales and use reported by commercial applicators and technicians and commercial permit holders:

**Table 1**  
Calendar Year 2014  
Summary of Total Quantities Statewide

| Category  | Number of<br>Pesticide Products | Quantity<br>(Gallons)** | Quantity<br>(Pounds)** |
|---|---------------------------------|-------------------------|------------------------|
| Applied by Commercial<br>Applicators and<br>Technicians | 4,459                           | 2,970,290               | 25,917,109             |
| Sold to Private Applicators                             | 1,285                           | 945,335                 | 4,245,340              |
| Sold for End Use*                                       | 727                             | 1,179,124               | 10,916,352             |
| Sold for Resale*  | 476                             | 765,523                 | 6,652,272              |

\* Restricted use pesticides only

\*\* The total quantity of pesticides commercially applied and sold is a combination of the amount expressed in gallons and the amount expressed in pounds reported above. In other words, the quantity in gallons is separate from the quantity in pounds.

#### B. County Data Summary Tables and Maps

The following tables and maps summarize commercial pesticide applications and sales for 2014 by county:

**Table 2**  
**Calendar Year 2014**  
**Summary of Commercial Pesticide Applications by County\***

| <b>County</b> | <b>Number of Pesticide Products</b> | <b>Amount (Gallons)**</b> | <b>Amount (Pounds)**</b> |
|---------------|-------------------------------------|---------------------------|--------------------------|
| Albany        | 774                                 | 132,899                   | 1,040,293                |
| Allegany      | 272                                 | 11,604                    | 21,666                   |
| Bronx         | 765                                 | 26,055                    | 141,082                  |
| Broome        | 485                                 | 14,459                    | 164,644                  |
| Cattaraugus   | 378                                 | 32,919                    | 15,028                   |
| Cayuga        | 554                                 | 43,735                    | 39,203                   |
| Chautauqua    | 514                                 | 22,300                    | 160,055                  |
| Chemung       | 340                                 | 11,414                    | 97,464                   |
| Chenango      | 299                                 | 9,688                     | 55,631                   |
| Clinton       | 303                                 | 20,430                    | 92,573                   |
| Columbia      | 490                                 | 15,687                    | 110,580                  |
| Cortland      | 319                                 | 17,492                    | 387,053                  |
| Delaware      | 324                                 | 12,423                    | 22,590                   |
| Dutchess      | 825                                 | 36,483                    | 852,981                  |
| Erie          | 985                                 | 91,526                    | 2,031,507                |
| Essex         | 320                                 | 240,966                   | 172,908                  |
| Franklin      | 217                                 | 9,621                     | 22,260                   |
| Fulton        | 285                                 | 2,603                     | 30,163                   |
| Genesee       | 492                                 | 26,202                    | 64,186                   |
| Greene        | 332                                 | 20,891                    | 266,446                  |
| Hamilton      | 145                                 | 415                       | 14,008                   |
| Herkimer      | 317                                 | 8,133                     | 61,617                   |
| Jefferson     | 430                                 | 31,661                    | 92,774                   |
| Kings         | 720                                 | 114,023                   | 148,885                  |
| Lewis         | 242                                 | 14,389                    | 21,784                   |
| Livingston    | 481                                 | 29,129                    | 61,563                   |
| Madison       | 418                                 | 10,266                    | 119,927                  |
| Monroe        | 1,014                               | 47,878                    | 2,419,385                |
| Montgomery    | 318                                 | 8,016                     | 53,849                   |
| Nassau        | 1,248                               | 158,359                   | 2,134,937                |
| New York      | 828                                 | 146,423                   | 223,087                  |
| Niagara       | 561                                 | 55,759                    | 447,925                  |

| <b>County</b> | <b>Number of Pesticide Products</b> | <b>Amount (Gallons)**</b> | <b>Amount (Pounds)**</b> |
|---------------|-------------------------------------|---------------------------|--------------------------|
| Oneida        | 577                                 | 17,728                    | 468,593                  |
| Onondaga      | 796                                 | 64,792                    | 975,206                  |
| Ontario       | 906                                 | 21,613                    | 311,266                  |
| Orange        | 745                                 | 12,992                    | 742,857                  |
| Orleans       | 390                                 | 9,763                     | 22,564                   |
| Oswego        | 416                                 | 114,893                   | 47,450                   |
| Otsego        | 303                                 | 6,949                     | 32,096                   |
| Putnam        | 509                                 | 6,412                     | 256,636                  |
| Queens        | 781                                 | 64,775                    | 188,374                  |
| Rensselaer    | 553                                 | 171,713                   | 251,885                  |
| Richmond      | 461                                 | 11,450                    | 93,826                   |
| Rockland      | 734                                 | 11,590                    | 937,680                  |
| Saratoga      | 684                                 | 59,576                    | 1,359,297                |
| Schenectady   | 533                                 | 11,160                    | 421,431                  |
| Schoharie     | 256                                 | 6,569                     | 4,336                    |
| Schuyler      | 171                                 | 10,951                    | 22,348                   |
| Seneca        | 355                                 | 11,570                    | 24,637                   |
| St Lawrence   | 283                                 | 31,319                    | 49,323                   |
| Steuben       | 384                                 | 22,292                    | 90,173                   |
| Suffolk       | 1,570                               | 239,133                   | 11,118,509               |
| Sullivan      | 344                                 | 3,433                     | 69,285                   |
| Tioga         | 311                                 | 5,658                     | 24,287                   |
| Tompkins      | 642                                 | 19,219                    | 112,213                  |
| Ulster        | 600                                 | 8,671                     | 261,265                  |
| Warren        | 422                                 | 31,059                    | 335,420                  |
| Washington    | 379                                 | 44,517                    | 81,027                   |
| Wayne         | 461                                 | 69,521                    | 155,076                  |
| Westchester   | 1,292                               | 377,545                   | 2,095,838                |
| Wyoming       | 464                                 | 44,046                    | 50,711                   |
| Yates         | 248                                 | 6,680                     | 11,447                   |

\* The above table does not include quantities which were reported where the county information was either missing, invalid or illegible.

\*\* The total quantity of pesticides sold in a county is a combination of the gallons and pounds reported above. In other words, the quantity in gallons is separate from the quantity in pounds.

Figure 1  
Commercial Pesticide Applications by Volume (Gallons) in 2014

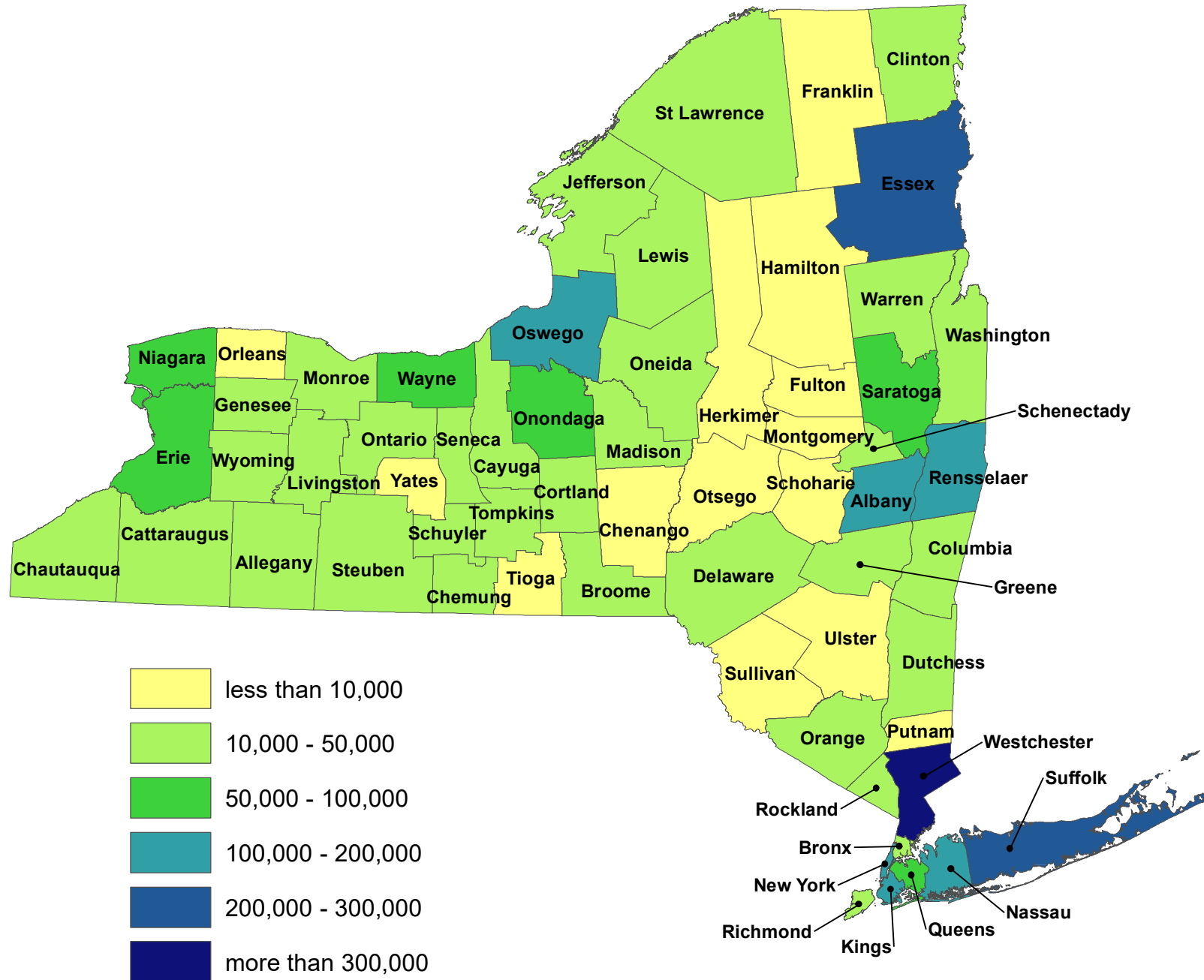
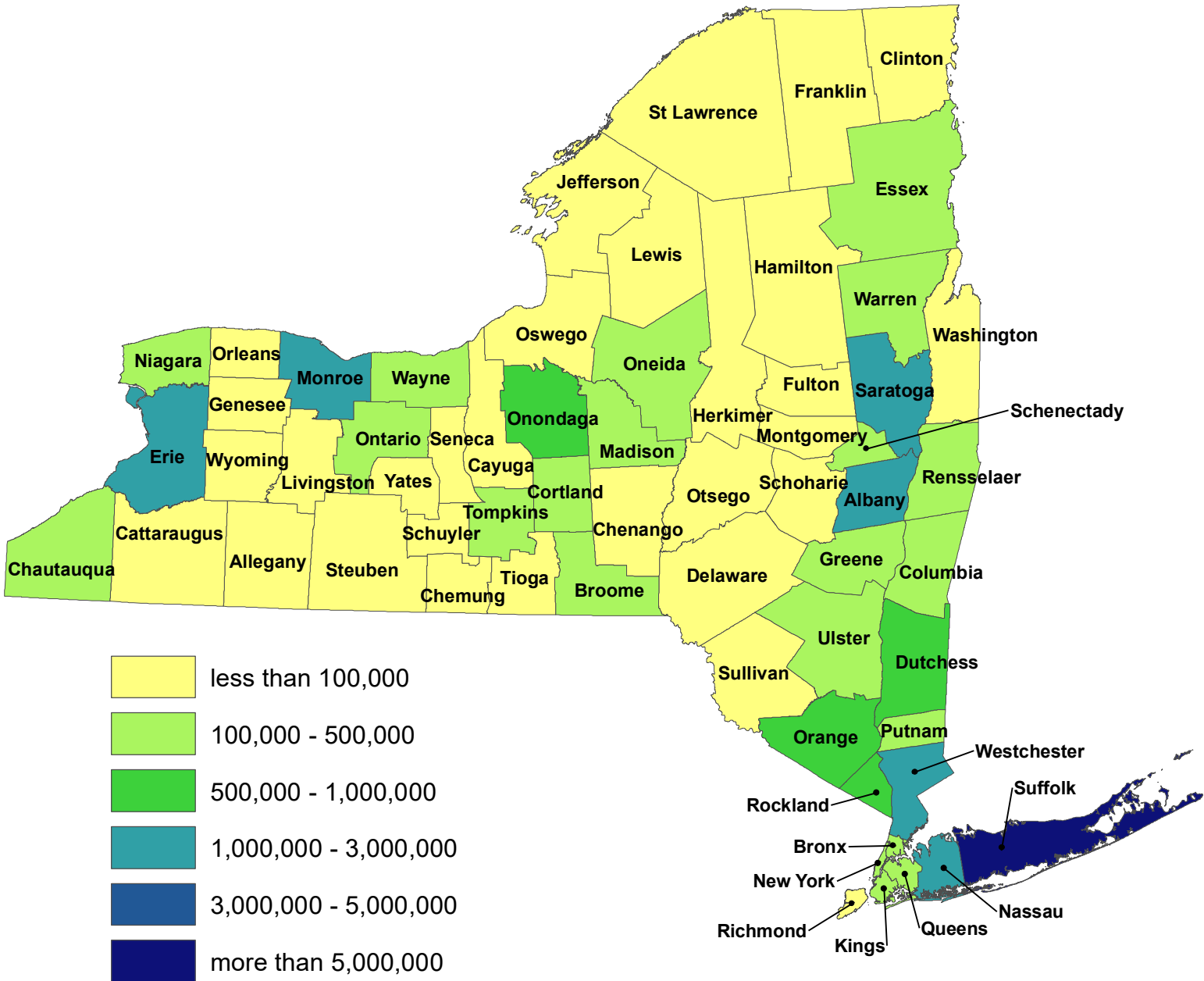


Figure 2  
Commercial Pesticide Applications by Weight (Pounds) in 2014



**Table 3**  
**Calendar Year 2014**  
**Summary of Pesticide Sales to Private Applicators by County**

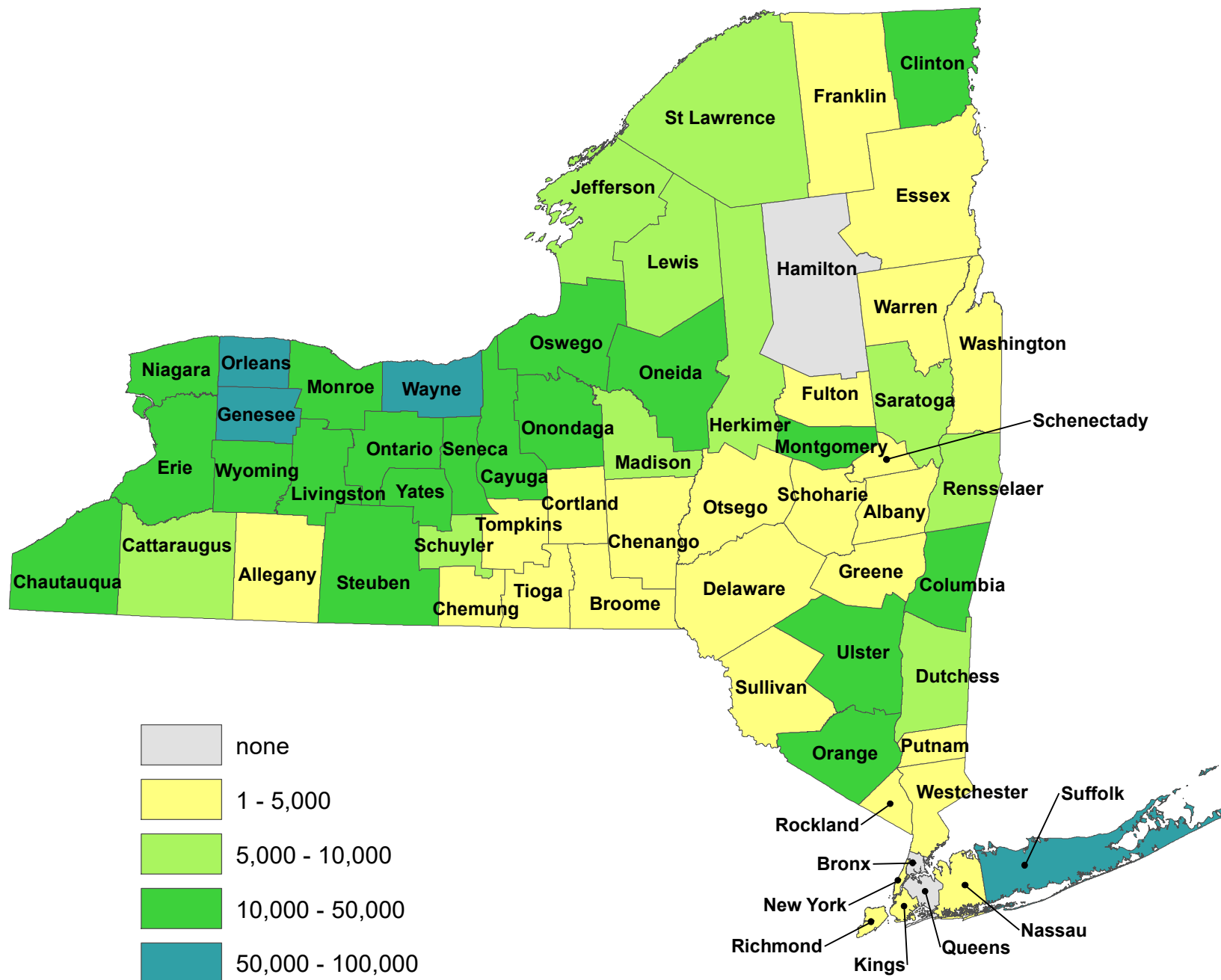
| <b>County</b> | <b>Number of<br/>Pesticide<br/>Products</b> | <b>Amount (Gallons)**</b> | <b>Amount (Pounds)**</b> |
|---------------|---|---------------------------|--------------------------|
| Albany        | 183   | 2,393                     | 4,869                    |
| Allegany      | 88  | 4,212                     | 3,474                    |
| Bronx         | 0   | 0                         | 0                        |
| Broome        | 106   | 1,886                     | 5,423                    |
| Cattaraugus   | 188   | 6,204                     | 7,745                    |
| Cayuga        | 321   | 28,979                    | 34,255                   |
| Chautauqua    | 279   | 29,551                    | 141,835                  |
| Chemung       | 53  | 492                       | 22,205                   |
| Chenango      | 100   | 2,705                     | 3,556                    |
| Clinton       | 182   | 37,804                    | 170,400                  |
| Columbia      | 261   | 19,640                    | 143,640                  |
| Cortland      | 39  | 1,795                     | 4,221                    |
| Delaware      | 37  | 752                       | 269                      |
| Dutchess      | 254   | 5,214                     | 23,667                   |
| Erie          | 401   | 16,800                    | 33,318                   |
| Essex         | 75  | 1,555                     | 8,474                    |
| Franklin      | 67  | 3,898                     | 4,188                    |
| Fulton        | 83  | 1,544                     | 4,424                    |
| Genesee       | 327   | 86,408                    | 170,694                  |
| Greene        | 138   | 1,156                     | 3,005                    |
| Hamilton      | 1   | 0                         | 10                       |
| Herkimer      | 102   | 9,112                     | 8,139                    |
| Jefferson     | 97  | 6,264                     | 3,344                    |
| Kings         | 17  | 224                       | 534                      |
| Lewis         | 59  | 6,505                     | 9,710                    |
| Livingston    | 219   | 34,487                    | 27,392                   |
| Madison       | 188   | 8,861                     | 15,760                   |
| Monroe        | 423   | 31,806                    | 125,072                  |
| Montgomery    | 166   | 12,257                    | 13,589                   |
| Nassau        | 37  | 343                       | 396                      |
| New York      | 10  | 178                       | 1,231                    |
| Niagara       | 356   | 31,893                    | 158,075                  |

| <b>County</b> | <b>Number of Pesticide Products</b> | <b>Amount (Gallons)**</b> | <b>Amount (Pounds)**</b> |
|---------------|-------------------------------------|---------------------------|--------------------------|
| Oneida        | 230                                 | 17,594                    | 18,192                   |
| Onondaga      | 358                                 | 21,331                    | 49,617                   |
| Ontario       | 353                                 | 26,998                    | 33,179                   |
| Orange        | 381                                 | 46,313                    | 115,635                  |
| Orleans       | 365                                 | 69,469                    | 252,401                  |
| Oswego        | 250                                 | 23,790                    | 53,057                   |
| Otsego        | 110                                 | 2,121                     | 1,125                    |
| Putnam        | 55                                  | 369                       | 4,308                    |
| Queens        | 3                                   | 0                         | 240                      |
| Rensselaer    | 218                                 | 7,661                     | 19,250                   |
| Richmond      | 2                                   | 412                       | 5                        |
| Rockland      | 68                                  | 1,755                     | 6,754                    |
| Saratoga      | 181                                 | 5,399                     | 8,579                    |
| Schenectady   | 80                                  | 1,041                     | 2,816                    |
| Schoharie     | 166                                 | 2,346                     | 8,534                    |
| Schuyler      | 174                                 | 5,334                     | 27,693                   |
| Seneca        | 231                                 | 23,590                    | 50,810                   |
| St Lawrence   | 94                                  | 6,733                     | 18,298                   |
| Steuben       | 280                                 | 29,164                    | 115,917                  |
| Suffolk       | 477                                 | 57,940                    | 733,173                  |
| Sullivan      | 14                                  | 150                       | 55                       |
| Tioga         | 95                                  | 3,669                     | 45,948                   |
| Tompkins      | 140                                 | 4,671                     | 4,979                    |
| Ulster        | 308                                 | 35,021                    | 312,736                  |
| Warren        | 30                                  | 120                       | 159                      |
| Washington    | 158                                 | 4,959                     | 9,895                    |
| Wayne         | 425                                 | 87,823                    | 1,053,701                |
| Westchester   | 93                                  | 989                       | 15,237                   |
| Wyoming       | 159                                 | 43,409                    | 48,538                   |
| Yates         | 332                                 | 18,038                    | 77,734                   |

\* The above table does not include quantities which were reported where the county information was either missing, invalid or illegible.

\*\* The total quantity of pesticides sold in a county is a combination of the gallons and pounds reported above. In other words, the quantity in gallons is separate from the quantity in pounds.

Figure 3  
Pesticide Sales to Private Applicators by Volume (Gallons) in 2014





### **C. Summary of Top Ten Pesticide Products Applied and Sold**

The following tables summarize the top ten pesticide products applied by certified commercial applicators or technicians and the top ten pesticide products sold by commercial permit holders to certified private applicators. Each table presents information about each top ten product including the EPA registration number for each product, the quantity sold or the quantity applied, the percentage that the product quantity represents compared with the total quantities all products sold or all products applied, the active ingredients in each product, the percentage of that active ingredient in the product as well as the product's main type of use.

These summaries are product based. The amount of product applied or sold is the quantity reported for the product(s) with the corresponding EPA registration number. These products contain different amounts of active ingredients. The weight or volume reported here is the amount of all ingredients, not the amount of active ingredients alone.

**Table 4**  
**Calendar Year 2014**  
**Top Ten Pesticide Products by Volume (Gallons)**  
**Applied by Commercial Applicators or Technicians**

| <b>EPA<br/>Registration<br/>Number</b> | <b>Quantity<br/>(GL)</b> | <b>Percentage<br/>of All<br/>Products</b> | <b>Active Ingredients</b>  | <b>Percentage<br/>of Active<br/>Ingredient</b> | <b>Product Type</b>        |
|--|--------------------------|---|--|--|----------------------------|
| 9359-2                                 | 550,827                  | 18.5%                                     | sodium hypochlorite  | 12.50%   | antimicrobial              |
| 59074-20001                            | 400,804                  | 13.5%                                     | sodium hypochlorite  | 12.50%   | antimicrobial              |
| 279-3206                               | 103,347                  | 3.5%                                      | bifenthrin   | 7.90%  | insecticide                |
| 100-1442                               | 99,355                   | 3.4%                                      | atrazine<br>mesotrione<br>s-metolachlor                            | 10.20%<br>2.71%<br>27.10%                      | herbicide                  |
| 9613-20001                             | 60,776                   | 2.1%                                      | sodium hypochlorite  | 12.50%   | antimicrobial              |
| 1021-2569                              | 44,437                   | 1.5%                                      | imidacloprid<br>octyl bicycloheptene<br>dicarboximide<br>sumithrin | 0.05%<br>1.00%<br>0.40%                        | insecticide                |
| 8033-96-279                            | 41,871                   | 1.4%                                      | acetamiprid<br>bifenthrin  | 22.73%<br>27.27%                               | insecticide                |
| 5905-368                               | 39,878                   | 1.3%                                      | mineral oil  | 98.00%   | insecticide,<br>nematicide |
| 75506-12                               | 37,702                   | 1.3%                                      | copper carbonate, basic<br>propiconazole<br>tebuconazole           | 43.40%<br>0.50%<br>0.50%                       | wood<br>preservative       |
| 524-549                                | 36,336                   | 1.2%                                      | potassium salt of<br>glyphosate                                    | 48.70%   | herbicide                  |
| <b>Top 10<br/>Products</b>             | <b>1,415,333</b>         | <b>47.7%</b>                              |  |  |                            |
| <b>All Products</b>                    | <b>2,970,290</b>         |   |  |  |                            |

**Table 5**  
**Calendar Year 2014**  
**Top Ten Pesticide Products by Weight (Pounds)**  
**Applied by Commercial Applicators and Technicians**

| <b>EPA Registration Number</b> | <b>Quantity (LB)</b> | <b>Percentage of All Products</b> | <b>Active Ingredients</b> | <b>Percentage of Active Ingredient</b> | <b>Product Type</b> |
|--------------------------------|----------------------|-----------------------------------|---------------------------|--|---------------------|
| 9198-124                       | 1,635,775            | 6.3%                              | prodiamine                | 0.28%                                  | herbicide           |
| 10404-89                       | 1,368,840            | 5.3%                              | prodiamine                | 0.43%                                  | herbicide           |
| 34704-776                      | 1,108,572            | 4.3%                              | prodiamine                | 0.375%                                 | herbicide           |
| 432-1349-9198                  | 912,971              | 3.5%                              | imidacloprid              | 0.20%                                  | insecticide         |
| 10404-85                       | 854,710              | 3.3%                              | dithiopyr                 | 0.10%                                  | herbicide           |
| 432-1417-10404                 | 805,667              | 3.1%                              | bifenthrin                | 0.10%                                  | insecticide         |
|                                |                      |                                   | imidacloprid              | 0.125%                                 |                     |
| 432-1417-34704                 | 772,400              | 3.0%                              | bifenthrin                | 0.10%                                  | insecticide         |
|                                |                      |                                   | imidacloprid              | 0.125%                                 |                     |
| 432-1349-34704                 | 730,624              | 2.8%                              | imidacloprid              | 0.20%                                  | insecticide         |
| 9198-121                       | 694,779              | 2.7%                              | dithiopyr                 | 0.164%                                 | herbicide           |
| 9198-120                       | 682,783              | 2.6%                              | dithiopyr                 | 0.103%                                 | herbicide           |
| <b>Top 10 Products</b>         | <b>9,567,121</b>     | <b>36.9%</b>                      |                           |  |                     |
| <b>All Products</b>            | <b>25,917,109</b>    |                                   |                           |  |                     |

**Table 6**  
**Calendar Year 2014**  
**Top Ten Pesticide Products by Volume (Gallons)**  
**Sold by Commercial Permit Holders to Certified Private Applicators**

| <b>EPA<br/>Registration<br/>Number</b> | <b>Quantity<br/>(GL)</b> | <b>Percentage<br/>of All<br/>Products</b> | <b>Active Ingredients</b>                 | <b>Percentage<br/>of Active<br/>Ingredient</b> | <b>Product Type</b>                    |
|--|--------------------------|---|---|--|--|
| 524-549                                | 81,507                   | 8.6%                                      | potassium salt of<br>glyphosate           | 48.70%   | herbicide                              |
| 100-1442                               | 49,608                   | 5.3%                                      | atrazine<br>mesotrione<br>s-metolachlor   | 10.20%<br>2.71%<br>27.10%                      | herbicide                              |
| 34704-890                              | 44,141                   | 4.7%                                      | isopropylamine salt of<br>glyphosate      | 41.00%   | herbicide                              |
| 71368-20                               | 39,725                   | 4.2%                                      | isopropylamine salt of<br>glyphosate      | 41.00%   | herbicide                              |
| 34704-805                              | 25,438                   | 2.7%                                      | mineral oil                               | 98.00%   | insecticide,<br>miticide,<br>fungicide |
| 62719-556                              | 21,969                   | 2.3%                                      | dimethylammonium<br>salt of glyphosate    | 50.20%   | herbicide                              |
| 100-1282                               | 20,920                   | 2.2%                                      | s-metolachlor<br>mesotrione<br>glyphosate | 20.50%<br>2.05%<br>20.50%                      | herbicide                              |
| 73049-45                               | 19,981                   | 2.1%                                      | aviglycine<br>hydrochloride               | 15.00%   | growth<br>regulator                    |
| 74530-43                               | 19,039                   | 2.0%                                      | ammonium<br>carbamate                     | 19.50%   | antimicrobial                          |
| 241-418                                | 17,707                   | 1.9%                                      | pendimethalin                             | 38.70%   | herbicide                              |
| <b>Top 10<br/>Products</b>             | <b>340,035</b>           | <b>36.0%</b>                              |   |  |  |
| <b>All<br/>Products</b>                | <b>945,335</b>           |   |   |  |  |

**Table 7**  
**Calendar Year 2014**  
**Top Ten Pesticide Products by Weight (Pounds)**  
**Sold by Commercial Permit Holders to Certified Private Applicators**

| <b>EPA<br/>Registration<br/>Number</b> | <b>Quantity<br/>(LB)</b> | <b>Percentage of<br/>All Products</b> | <b>Active Ingredients</b>    | <b>Percentage<br/>of Active<br/>Ingredient</b> | <b>Product<br/>Type</b>                                |
|--|--------------------------|---------------------------------------|------------------------------|--|--|
| 66222-58                               | 350,048                  | 8.3%                                  | captan                       | 78.20%   | fungicide  |
| 66222-58-66330                         | 315,995                  | 7.4%                                  | captan                       | 78.20%   | fungicide  |
| 70506-185                              | 307,590                  | 7.3%                                  | mancozeb                     | 75.00%   | fungicide  |
| 34704-1063                             | 285,170                  | 6.7%                                  | mancozeb                     | 75.00%   | fungicide  |
| 62719-289-961                          | 178,000                  | 4.2%                                  | trifluralin                  | 0.50%  | herbicide  |
| 70506-187                              | 172,040                  | 4.1%                                  | benefin                      | 0.50%  | herbicide  |
|  |                          |                                       | sulfur                       | 80.00%   | fungicide  |
| 61282-49                               | 160,000                  | 3.8%                                  | zinc phosphide<br>(ZN3P2)    | 2.00%  | rodenticide  |
| 74267-1                                | 157,745                  | 3.7%                                  | Bacillus subtilis MBI<br>600 | 0.001%   | fungicide  |
| 70506-234                              | 141,772                  | 3.3%                                  | mancozeb                     | 75.00%   | fungicide  |
| 87994-6                                | 109,560                  | 2.6%                                  | chloropicrin                 | 85.70%   | fungicide,<br>herbicide,<br>insecticide,<br>nematicide |
| <b>Top 10<br/>Products</b>             | <b>2,177,920</b>         | <b>51.3%</b>                          |                              |  |  |
| <b>All Products</b>                    | <b>4,245,340</b>         |                                       |                              |  |  |

#### **D. The Pesticide Sales and Use Reporting Website**

The summarized data from the 2014 reporting year, as well as previous years dating back to 1997, can be accessed using the Pesticide Sales and Use Reporting Program's website provided by Cornell University. Users of this website can generate summarized data by performing searches of the pesticide sales and use database. Users can generate reports by product or active ingredient and can filter their searches by county, zip code, sales, or applications. Results of these searches can be viewed online or downloaded to a computer. Cornell's Pesticide Sales and Use Reporting Website can be accessed at this link: <https://psur.cce.cornell.edu/>