

# 2018 MARYLAND PESTICIDE USAGE SURVEY

OMB No. 0535-0218  
 Approval Expires: ??/??/??  
 Project Code: 970 QID: 209887  
 SMetaKey: 3785

**(DRAFT)**



**United States  
 Department of  
 Agriculture**



**NATIONAL  
 AGRICULTURAL  
 STATISTICS  
 SERVICE**



**Maryland  
 Department of  
 Agriculture**

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 50 Harry S. Truman Parkway  
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 Annapolis, MD 21401  
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Please make any necessary corrections to the name, address and zip code.

The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>. Response is **voluntary**.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

**Please return in the enclosed envelope no later than July 15, 2019  
 Please refer to the "Instruction Sheet" on Page 2 to aid in the completion of this survey.**

1. Did you or your business or your agency apply pesticides in **2018** ?  
 0001  Yes – Go to Question 2.  
        No – Go to Page 8, Question 5.
  
2. Are you a commercial business?  
 0002  Yes – Go to Page 2 and complete the table for all pesticides **that your business applied in 2018 for your customers.**  
        No – Go to Question 3.
  
3. Are you a public agency?  
 0003  Yes – Go to Page 2 and complete the table for all pesticides **applied in 2018 by you or a designated applicator within your agency.**  
        No – Go to Question 4.
  
4. Are you a farmer?  
 0004  Yes – Go to Page 2 and complete the table for all pesticides **you personally applied in 2018 on property that you own or lease.**  
        No – Go to Page 8, Question 5.

## Maryland Pesticides Instructions

**Pesticide:** An herbicide, insecticide, fungicide, growth regulator, nematicide, fumigant, rodenticide, repellent, wood preservative, or any other material used to manage pests.

- ✓ Please report the pesticides you, your business, or your agency **applied in 2018** in the tables. Record the EPA number or chemical product name.
- ✓ Record the county and zip code where each pesticide was applied.
- ✓ Include only the pesticide portions of a tank mix.
- ✓ Report each chemical on a separate line, even if two chemicals were applied in combination. Specify the unit of measurement with the total quantity.

**PLEASE DO NOT INCLUDE ANY PESTICIDES APPLIED BY A CONTRACTOR.**

| Column 3 - - County Code  | Column 12 - - Target Crop or Site Code  |
|---------------------------|---|
| <b>1</b> Allegany         | <b>1</b> Field Crops  |
| <b>3</b> Anne Arundel     | <b>2</b> Fruit  |
| <b>5</b> Baltimore        | <b>3</b> Vegetables   |
| <b>6</b> Baltimore City   | <b>4</b> Nursery/greenhouse - commercial  |
| <b>9</b> Calvert          | <b>5</b> Animal - livestock and poultry   |
| <b>11</b> Caroline        | <b>6</b> Stored grain   |
| <b>13</b> Carroll         | <b>7</b> Forest   |
| <b>15</b> Cecil           | <b>8</b> Ornamental & lawns - interior and exterior landscapes                                      |
| <b>17</b> Charles         | <b>9</b> Turf - production  |
| <b>19</b> Dorchester      | <b>10</b> Seed treatment  |
| <b>21</b> Frederick       | <b>11</b> Aquatic   |
| <b>23</b> Garrett         | <b>12</b> Rights of way   |
| <b>25</b> Harford         | <b>13</b> Industrial/Structural - incl. structural household pests, birds, rodents, industrial weed |
| <b>27</b> Howard          | <b>14</b> Fumigation - commodities, structures, grains  |
| <b>29</b> Kent            | <b>15</b> Public Health   |
| <b>31</b> Montgomery      | <b>16</b> Regulatory - PUBLIC AGENCIES ONLY   |
| <b>33</b> Prince George's | <b>17</b> Demonstration/Research  |
| <b>35</b> Queen Anne's    | <b>18</b> Other - wood preservatives, sewer root control  |
| <b>37</b> St. Mary's      |   |
| <b>39</b> Somerset        |   |
| <b>41</b> Talbot          |   |
| <b>43</b> Washington      |   |
| <b>45</b> Wicomico        |   |
| <b>47</b> Worcester       |   |

| 0399             |                           |  |  | 2018 Maryland Pesticide Usage Survey Pesticide Use |  |                                |   |   |  |  |  |    |    |
|------------------|---------------------------|--|--|--|--|--------------------------------|---|---|--|--|--|----|----|
| 1                | Office Use Lines in Table | Table                                    | 2  | 3  | 4  | 5                              | 6   | 7   | 8  | 9  | 10   | 11 | 12 |
| L<br>I<br>N<br>E | County Name               | County Code (see instructions for codes) | Pesticide Applied EPA registration number or chemical product name | Product Code                                       | Was this part of a tank mix? (If tank mix, enter line number of first product in mix.) | Total Quantity of Product Used | Units:<br>1 = pound<br>12 = gallons<br>13 = quarts<br>14 = pints<br>15 = liquid oz<br>28 = dry oz<br>30 = grams | Total Quantity of Product Used<br>To how many acres, linear feet, or cubic feet was this product applied? | Units:<br>1 = acres<br>2 = linear ft.<br>3 = cubic ft. | When was this product applied?<br>1. Spring<br>2. Summer<br>3. Fall<br>4. Winter | What was the target crop or site? (see instructions for codes) |    |    |
| 01               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 02               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 03               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 04               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 05               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 06               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 07               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 08               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 09               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 10               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 11               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 12               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 13               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 14               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 15               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 16               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 17               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 18               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 19               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 20               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 21               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |
| 22               |                           | 60                                       |  | 61   | 63   | 73                             | 74  | 68  | 69   | 64   | 71   |    |    |

|                  | Office Use<br>Lines in Table | Table  | 0399  | 2018 Maryland Pesticide Usage Survey Pesticide Use |   |                                      |   |  |  |  |  |
|------------------|------------------------------|--|---|--|---|--------------------------------------|---|--|--|--|--|
| 1                | 2                            | 3  | 4   | 5  | 6   | 7                                    | 8   | 9  | 10   | 11   | 12   |
| L<br>I<br>N<br>E | County<br>Name               | County<br>Code<br>(see<br>instructions<br>for codes) | Pesticide Applied<br>EPA registration<br>number or chemical<br>product name | Product<br>Code                                    | Was this part<br>of<br>a tank mix?<br>(If tank mix,<br>enter line<br>number of<br>first product in<br>mix.) | Total Quantity<br>of Product<br>Used | Units:<br>1 = pound<br>12 = gallons<br>13 = quarts<br>14 = pints<br>15 = liquid oz<br>28 = dry oz<br>30 = grams | Total Quantity<br>of Product Used<br>To how many<br>acres, linear feet,<br>or cubic feet was<br>this product<br>applied? | Units:<br>1 = acres<br>2 = linear ft.<br>3 = cubic ft. | When was<br>this product<br>applied?<br>1. Spring<br>2. Summer<br>3. Fall<br>4. Winter | What was<br>the target<br>crop or<br>site?<br>(see<br>instructions<br>for codes) |
| 01               |                              | 60   |   | 61   | 63  | 73                                   | 74  | 68   | 69   | 64   | 71   |
| 02               |                              | 60   |   | 61   | 63  | 73                                   | 74  | 68   | 69   | 64   | 71   |
| 03               |                              | 60   |   | 61   | 63  | 73                                   | 74  | 68   | 69   | 64   | 71   |
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5. Were any pesticides applied for you by a contractor in 2018?

0005  Yes

No

**FARMERS: Please complete the following.**

**Integrated Pest Management (IPM)** is a long-standing science-based, decisions making process that identifies and reduces risks from pests and pest management related strategies. It coordinates the use of pest biology, environmental information, and available technology to prevent unacceptable levels of pest damage by the most economical means, while posing the least possible risk to people, property, resources, and the environment. IPM provides an effective strategy for managing pests in all arenas from developed residential and public areas to wild lands. IPM serves as an umbrella to provide an effective, all encompassing, low-risk approach to protect resources and people from pests.

**Please refer to the definition of Integrated Pest Management (above) when answering questions 6 to 9.**

| Check the appropriate box for each question.  |      | Never                    | Sometimes                | Almost Always            | Not Applicable           |
|---|------|--------------------------|--------------------------|--------------------------|--------------------------|
| 6. Do you use resources before making pest control decisions? (i.e. Scouting, Soil testing, Field mapping, Predictive models, Pest thresholds, etc.)  | 0006 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Do you use preventive measures to avoid pest outbreaks? (i.e. Crop rotation, ground covers/mulches, physical barriers, adjustment of plant/harvest dates, adjustment of plant density, resistance varieties, companion cropping, trapping, etc.)       | 0007 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Do you use physical practices for pest control? (i.e. Mowing, burning, chopping, tillage, etc.)  | 0008 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Do you use products, such as the ones listed below, for pest control?<br>*Biological pesticide *Mating Disruptors<br>*Beneficial Organisms (insects, nematodes, pathogens) *Genetically modified products (Glyphosphate – resistant soybeans, Bt corn) | 0009 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**Thank you for your survey response!**

| OFFICE USE                                     | 9800 |
|--|------|
| 1. Did you have pesticides applied?            |      |
| 2. Applied by a contractor, not by respondent. |      |

|                       |      |    |    |    |
|-----------------------|------|----|----|----|
| 9911                  | 9910 | MM | DD | YY |
| Phone: (     )     -- |      |    |    |    |

Respondent Name: \_\_\_\_\_

| Response         | 9901 | Respondent  | 9902 | Mode           | 9903 | Enum. | 9998 | Eval. | 9900 | Chang | 9985 |
|------------------|------|-------------|------|----------------|------|-------|------|-------|------|-------|------|
| 1-Comp           |      | 1-Op/Mgr    |      | 1-Mail         |      |       |      |       |      |       |      |
| 2-R              |      | 2-Sp        |      | 2-Tel          |      |       |      |       |      |       |      |
| 3-Inac           |      | 3-Acct/Bkpr |      | 3-Face-to-Face |      |       |      |       |      |       |      |
| 4-Office Hold    |      | 4-Partner   |      | 4-CATI         |      |       |      |       |      |       |      |
| 5-R – Est        |      | 9-Oth       |      | 5-Web          |      |       |      |       |      |       |      |
| 6-Inac – Est     |      |             |      | 6-e-mail       |      |       |      |       |      |       |      |
| 7-Off Hold – Est |      |             |      | 7-Fax          |      |       |      |       |      |       |      |
|                  |      |             |      | 8-CAPI         |      |       |      |       |      |       |      |
|                  |      |             |      | 19-Other       |      |       |      |       |      |       |      |

| Office Use for POID |      |      |      |
|---------------------|------|------|------|
| 9989                |      |      |      |
| - - - - -           |      |      |      |
| Optional Use        |      |      |      |
| 9907                | 9908 | 9906 | 9916 |

S/E Name \_\_\_\_\_