

MARYLAND PESTICIDE USAGE SURVEY - 2022

OMB No. 0535-NEW
Approval Expires: XX/XX/XXXX
Project Code: 970
Survey ID: 3785



USDA/NASS
National Operations Division
9700 Page Avenue, Suite 400
St. Louis, MO 63132-1547
Phone: 1-888-424-7828
Fax: 1-855-415-3687
Email: nass@nass.usda.gov

Please make corrections to name, address, and ZIP Code, if necessary.

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 and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 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-NEW. 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 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 2022?

- 0001 Yes - Go to Question 2.
3 No - Go to Page 11, Question 5.

2. Are you a commercial business?

- 0002 Yes - Go to Page 2 and complete the table for all pesticides that THE PUBLIC business applied in 2022 by you or a designated applicator within your your agency.
3 No - Go to Question 3.

3. Are you a public agency?

- 0003 Yes - Go to Page 2 and complete the table for all pesticides that your business applied in 2022 for your customers.
3 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 2022 on property that you own or lease.
3 No - Go to Page 11, Question 5.

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, the public business, or your agency **applied in 2022** in the tables. Record the EPA number or chemical product name.
- Record the county 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 total quantity and unit of measurement for each pesticide.**
- **Maryland Pesticide Re-certification credit is available for completing this questionnaire. Remember to include your completed form with the questionnaire to receive credit.**

PLEASE EXCLUDE ANY PESTICIDES APPLIED BY A CONTRACTOR.

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

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001

OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

2022 Maryland Pesticide Usage Survey Pesticide Use

1 L I N E	2 County Name	3 County Code (see instr. for codes)	4 Pesticide Applied EPA registration number or chemical product name	5 Product Code Office Use	6 Total Quantity of Product Used	7 Units: 1 = pound 12 = gallons 13 = quarts 14 = pints 15 = liquid oz 28 = dry oz 30 = grams	8 Total Area or Volume of Product Applied (i.e. acres, linear feet, or cubic)	9 Units: 1 = acres 2 = linear ft. 3 = cubic ft. 4 = square ft 5 = bushels 6 = head	10 When was this Product Applied? 1. Spring 2. Summer 3. Fall 4. Winter 5. ALL four seasons 6. Spring and Fall 7. Spring, Summer and Fall	11 What was the target crop or site? (see instr. for codes)
01		60		61	73	74	68	69	64	71
02		60		61	73	74	68	69	64	71
03		60		61	73	74	68	69	64	71
04		60		61	73	74	68	69	64	71
05		60		61	73	74	68	69	64	71
06		60		61	73	74	68	69	64	71
07		60		61	73	74	68	69	64	71
08		60		61	73	74	68	69	64	71
09		60		61	73	74	68	69	64	71
10		60		61	73	74	68	69	64	71
11		60		61	73	74	68	69	64	71
12		60		61	73	74	68	69	64	71
13		60		61	73	74	68	69	64	71
14		60		61	73	74	68	69	64	71
15		60		61	73	74	68	69	64	71
16		60		61	73	74	68	69	64	71
17		60		61	73	74	68	69	64	71
18		60		61	73	74	68	69	64	71
19		60		61	73	74	68	69	64	71
20		60		61	73	74	68	69	64	71
21		60		61	73	74	68	69	64	71

Table
001OFFICE USE
LINES IN TABLE

0399

5. Were any pesticides applied for you by a contractor in 2022?

- 0005 1 Yes
3 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 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <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 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
8. Do you use mechanical practices for pest control?(i.e. mowing, burning, chopping, tillage, etc.)	0008 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
9. Do you use products, such as the ones listed below, for pest control? Biological pesticide, Mating Disruptors, Beneficial Organisms (insects, nematodes, pathogens), Genetically modified products (Glyphosphate – resistant soybeans, Bt corn), Dicamba Soybean resistant.	0009 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

10. **SURVEY RESULTS:** To receive the complete results of this survey on the release date, go to <https://www.nass.usda.gov/results>

To have a brief summary emailed to you, please enter your email address:
1095

Operation Email (if different from above)	Operation Phone:	check if cell phone
9937	9936 () _____	<input type="checkbox"/>

Respondent Name:	Respondent Phone (if different from above)	check if cell phone	9910 MM DD YY
9912	9911 () _____	<input type="checkbox"/>	Date: _____

This completes the survey. Thank you for your help.

OFFICE USE ONLY										
Response		Respondent		Mode		Enum.	Eval.	Change	Office Use for POID	
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est	9901	1-Op/Mgr 2-Spouse 3-Acct/Bkpr 4-Partner 9-Other	9902	1-PASI (Mail) 2-PATI (Tel) 3-PAPI (Face-to-Face) 6-Email 7-Fax 19-Other	9903	9998	9900	9985	9989 _____ - _____ - _____	
									Optional Use	
									9907	9908
S/E Name										