MARYLAND PESTICIDE SURVEY
NASS Mission

To provide timely, accurate, and useful statistics in service to U.S. agriculture.
What Does NASS Do?

- Administer USDA’s Statistical Estimating Program and the 5-year Census of Agriculture
- Coordinate Federal/State Agricultural Statistical needs
- Statistical consulting for other Federal/State or private organizations and other countries
- Statistical Research
What Doesn’t NASS Do?

- Set policy
- Regulate activities
- Permit influence
- Disclose individual reports
- Favor any group above others
Basic Principles

Surveys – Voluntary Reporting

Agriculture Census – Mandatory Reporting

Census of Agriculture Act of 1997
/Public Law 105-113; November 1997/
U.S. Code, Title 7, Chapter 55, Section 2204q
Basic Principles

Confidentiality

Protected by Law from Any Court or Legislative Action

U.S. Code, Title 7, Chapter 55, Section 2276
Security

Equal Access to Results

U.S. Code, Title 7, Chapter 55, Section 2276

DR 1042-42, 7a

Information in all reports will be withheld from unauthorized disclosure and publication until the day and hour of public issuance.
High Profile Uses of NASS Data

- U.S. principle economic indicators
- Farm Bill counter-cyclical payments
- Disaster payment determination
- Group Risk policy payments and premiums
- Livestock compensation program
- EPA risk analysis in re-registration of chemicals
- Levels the playing field for commodity markets
National Agricultural Statistics Service (NASS)

Annual statistics program and Census of Agriculture

- Production data on more than 120 crops and 40 livestock commodities
- Price, sale, expense data for $200 billion in agricultural products
- Environmental data related to 938 million acres
- Demographics on 3 million farm operators and 6.6 million household members
NASS Reports

- Over 400 National reports published annually
- Over 9,000 State-level reports annually
- Census reports for each State, Nation, and outlying areas
The National Agricultural Statistics Service provides timely, accurate, and useful statistics in service to U.S. agriculture.

Today's Reports from NASS

Found: Nov 14, 2013

Turkey Hatchery
Released at 3:00 P.M. ET

Headlines

NASS to Release Preliminary Results of 2012 Census of Agriculture on February 20, 2014

Corn Growers Remain on Track for Record Production Year

Advisory Committee on Agriculture Statistics to Meet on November 13-14

From Farm Income to Food Consumption: Valuing USDA Data Products (C-FARE Report)
NASS Web Site – Quick Stats

- U.S., State, county database
- Historic data for most commodities
- Data format options
Pesticide Survey

Last conducted in 2012.
(pesticides used during calendar year 2011)
Pesticide Survey

Partnership between

- Pesticide Regulation Section of The Maryland Department of Agriculture
- U.S. Department of Agriculture, National Agricultural Statistics Service, Maryland Field Office.
Pesticide Survey

What is the objective?

The survey provides the amounts and types of pesticides applied in calendar year 2011 by

- Maryland farm operators
- certified private pesticide applicators
- commercially licensed businesses
- public agencies
Pesticide Survey

Data Collection and Publication Schedule over 18 month timeline

- First mailing: Jan/Feb
- Postcard reminder: March
- Second mailing: April
- Close data collection: July
- Analysis/Summary: Aug-Mar
- Report Writing: March-May
- Publication: June
Data Collection Plans

- Mail only
- Post card reminder and 2\textsuperscript{nd} mailing
- Telephone or field follow-up for non-respondents (portion of sample)
Survey Questionnaires

- Survey content is similar to previous survey
- Drop fertilizer questions
Publication

- The publication will be similar to prior years
Pesticide Publication

- Top 20 pesticides
- Top 10 by class (insecticides, herbicides, and fungicides)
- Common formulation and type for pesticide
- Comparisons of use by class for the last 5 surveys
- Integrated Pest Management Usage
Fertilizer Publication

- Method of application
- Timing of application
- Use of GPS for fertilizer application
- Use of Nitrogen stabilizers
- Use of different nitrogen tests
## Pesticide Survey

### Sample Comparison

<table>
<thead>
<tr>
<th>Category</th>
<th>2011</th>
<th>2015*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial applicators</td>
<td>1,634</td>
<td>1,700</td>
</tr>
<tr>
<td>Private Applicators</td>
<td>3,255</td>
<td>3,300</td>
</tr>
<tr>
<td>Public Agencies</td>
<td>343</td>
<td>350</td>
</tr>
<tr>
<td>Farmers</td>
<td>1,501</td>
<td>5,500</td>
</tr>
<tr>
<td><strong>Total Sample</strong></td>
<td>7,176</td>
<td>10,850</td>
</tr>
</tbody>
</table>

*estimates
## Pesticide Survey

### Response Comparison

<table>
<thead>
<tr>
<th>Category</th>
<th>2011</th>
<th>2015*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial applicators</td>
<td>659</td>
<td>1,200</td>
</tr>
<tr>
<td>Private Applicators</td>
<td>1695</td>
<td>2,500</td>
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<tr>
<td>Public Agencies</td>
<td>210</td>
<td>250</td>
</tr>
<tr>
<td>Farmers</td>
<td>854</td>
<td>4,200</td>
</tr>
<tr>
<td>Total Response</td>
<td>3418</td>
<td>8,150</td>
</tr>
</tbody>
</table>

*estimate

- **2011 Total Response:** 3418
- **2015* Total Response:** 8,150

- **2011 Response Rate:** 51%
- **2015* Response Rate:** 75%
Pesticide Survey

Questions?