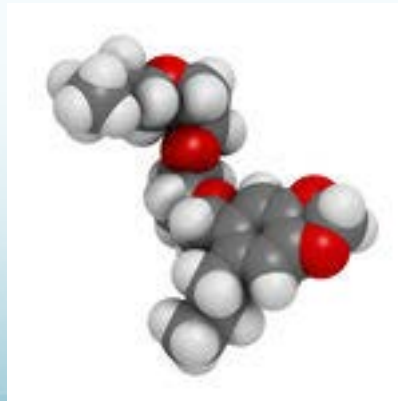


Scientific & Technical Advisory
Committee – MD Coastal Bays
Program (January 21, 2015)

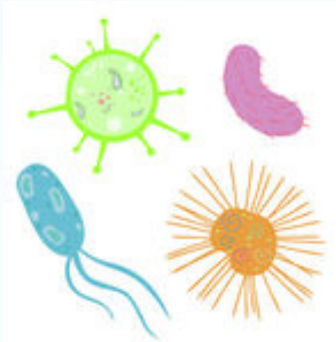
2015 Maryland Pesticide Use Survey

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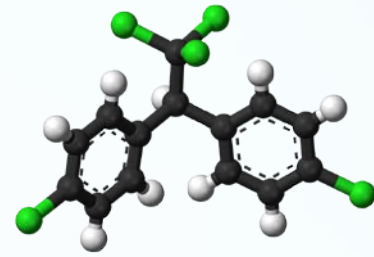


Today's Discussion

- Pesticides Defined
- Maryland Pesticide Information & Reporting Workgroup
- 2015 Maryland Pesticide Use Survey
- Maryland Pesticide Statistics for 2011
 - Published May 2013



What Is A Pesticide?



- Chemical or biological agent used to prevent, destroy or repel pests. Pests can be insects, mice and other animals, weeds, fungi, or microorganisms such as bacteria and viruses. Pesticides are also used to kill organisms that can cause disease.
- Most pesticides contain chemicals that can be harmful to people, animals, or the environment. For this reason, the United States Environmental Protection Agency (EPA) regulates pesticides in the United States to protect public health and the environment. Maryland also has companion pesticide regulatory law.
- Statutes: Federal Insecticide, Fungicide & Rodenticide Act (Amended), Food, Drug & Cosmetic Act

Source: EPA Website

Pesticide Information & Reporting Workgroup



- Formed by the 2013 Maryland General Assembly
- Composed of representatives from the departments of Environment, Agriculture, Health and Mental Hygiene and Natural Resources, along with representatives of the agricultural industry, environmental advocates, pesticide industry and public and environmental health experts
- Interim report issued January 2014; Final report issued July 2014 (similar to interim report)
- All documents and information on Workgroup are on MDA website: (<http://mda.maryland.gov> & search for “pesticide use reporting”)

General Information



- The primary charge of the workgroup was to identify any data gaps in pesticide use and reporting that need to be filled and how best to fill them.
- It was co-chaired by Senator Roger Manno and Delegate Stephen Lafferty and staffed by the Department of Agriculture
- Workgroup met monthly from July to December 2013
- Final report contained multiple recommendations and findings, but was rather vague in details

Conclusions and Recommendations



- No agreement on many issues
- Recommendations
 - MDA contract with National Agricultural Statistics Service (USDA) for surveys
 - Confidentiality
 - Convene advisory focus group for developing survey instrument
 - Increase product registration fees by \$10 (\$110)
 - Purpose & use of data
 - Monitoring for pesticide exposure
 - Pesticide Use \neq Exposure
 - Establish Internet Portal for data
 - Encourage electronic recordkeeping & submission

2015 Pesticide Use Survey



- MD Ag Statistics Unit (NASS) will administer survey and analyze and issue report
- Enhancement of 2011 survey
- Includes all registered pesticides
- Participation in Survey & Follow-Up includes:
 - all licensed pesticide applicators (mandatory completion)
 - representative group of farmers (voluntary compliance)
- Homeowners not included
- Data reported State-wide and by County (include statistical confidence parameters)
 - Watershed data extrapolated by GIS
- Other associated information (IPM, Season of application, other datasets)

Last NASS Report on MD Pesticides (State-wide Summaries Only):

http://mda.maryland.gov/Documents/MD_Pesticide_Stats_2011.pdf

MARYLAND PESTICIDE STATISTICS for 2011

Issued cooperatively by

Maryland Department of Agriculture
Earl F. Hance, Secretary
Mary Ellen Setting, Deputy Secretary

U. S. Department of Agriculture
National Agricultural Statistics Service
Cynthia Clark, Administrator

U.S. Department of Agriculture
National Agricultural Statistics Service
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Brent Nice
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In consultation with
Maryland Department of Agriculture
Pesticide Regulation Section
Dennis Howard, Chief

PUBLISHED May 2013

Rank	Pesticide Common Name	Pounds Active Ingredient
1	Chromic acid	5,145,298
2	Arsenic Pentoxide	3,718,525
3	Copper(II) oxide	2,358,000
4	Glyphosate	721,154
5	s-Metolachlor	555,807
6	2,4-D	439,538
7	Atrazine	381,321
8	Dimethoate	243,677
9	Imidacloprid	231,323
10	Simazine	200,734