Maryland Department of Agriculture

Pesticide Regulation Update
Federal Regulatory Update

• New Certification Rules went into effect in March of 2018.
• Changes requiring Private, Certified and Registered Applicators to be 18 years of age.
• Changes requiring annual training for Registered Applicators applying Restricted Use Pesticides
• New Soil Fumigation Category test may be required for Private Applicators
### Changes to Paraquat

#### EPA Paraquat Mitigation Decision: What You Need to Know

<table>
<thead>
<tr>
<th>EPA Requirement</th>
<th>Details</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental warning materials</td>
<td>- Warning sticker affixed to cap&lt;br&gt;- Safety sticker on container&lt;br&gt;- Product warning “counter card”</td>
<td>10/1/2018&lt;br&gt;All product entering channel will have new amended label and supplemental warning materials*</td>
</tr>
<tr>
<td>Certified applicators only</td>
<td>- Applicator must be a licensed certified applicator, can no longer work under supervision of a certified applicator**</td>
<td>10/1/2018&lt;br&gt;All product entering channel will have new amended label and supplemental warning materials*</td>
</tr>
<tr>
<td>Stewardship and Safety Training</td>
<td>- EPA-approved paraquat internet training program&lt;br&gt;- Product label to include training program website&lt;br&gt;- Training must be completed every 3 years</td>
<td>Training material in place by 3/30/2018, implementation TBD after 3/30/2018</td>
</tr>
<tr>
<td>Closed System</td>
<td>- All paraquat non-bulk containers must comply with EPA approved closed system standards&lt;br&gt;- Non-bulk is defined as any container less than 120 gallons</td>
<td>10/1/2020</td>
</tr>
</tbody>
</table>

*Entities other than registrants may continue to sell and/or use existing stocks of products with previously approved labeling and packaging until stocks are exhausted

**When applying product with new amended label
Dicamba Training Requirements for Use on Dicamba Resistant Soybeans

• **Yearly** dicamba-specific training now required by label
• Dicamba now classified as a “restricted use” pesticide
• Farmers required to maintain specific records regarding the use of these products to improve compliance with label restrictions
• Applications limited to when max wind speeds are below 10 mph to reduce potential spray drift
• Reduced the times during the day when applications can occur
• New label to include tank clean-out language and enhanced susceptible crop language
Final Worker Protection Standard Changes

• Annual training for workers and handlers
  • No longer a grace period for training
• Trainers of workers may be:
  • Certified Applicators
  • State/Federal approved trainers
  • Those who have completed an EPA approved course
• No longer handlers
• New content – training effective January, 2018
Final Worker Protection Standard Changes

• Handlers and early-entry workers must be at least **18 years old**
  • Members of owner’s *immediate family* are exempt

• Employer must provide respirator and fit testing, training, and medical evaluation that conforms to OSHA standards
  • For any handler *required to wear any respirator by the labeling*
Final Worker Protection Standard Changes

• Specific water amounts (for routine washing/exposure):
  • 1 gallon for each worker
  • 3 gallons for each handler and early entry worker

• Always follow label – several changes are addressed on pesticide label
Final Worker Protection Standard Changes

WPS On-Line Repository

Pesticide Education Research Collaborative - PERC

• http://pesticideresources.org//index.html
Legislative Update

• HB275/SB270 Pesticides Use of Chlorpyrifos Prohibition- This bill would ban the use of Chlorpyrifos in Maryland after January 1, 2020
Legislative Update

• MDA will be submitting a request to amend Regulations requiring all private applicators to be a minimum of 18 years old (immediate family excluded). This coincides with the new C & T Regulations introduced by EPA.

• MDA is also looking at restricting the use of RUP’s to certified applicators only or requiring annual training of non-certified individuals, using RUP’s, to comply with C & T Regulations.
FieldWatch Footprint - 2018

Celebrating 10 Years
FieldWatch
FieldWatch

ApplicatorView

Specialty Crop Site Registry

Apiary Registry

driftwatch

beecheck
Applicator Access - Three Ways

Public Map (FREE)
- All crop sites
- Most beehives

Register on FieldWatch (FREE)
- All crop sites
- All beehives
- Email notifications of new sites

Member data subscription
- All sites
- Downloadable or live stream through software provider
Pollinator Protection Act

• Effective January 1, 2018
• Neonicotinoid pesticides can be sold only by licensed dealers
• Can be used only by certified applicators or those under their direct supervision
• Indoor, agricultural and veterinary use exempt
• Violation = $250 penalty
• MDA has been conducting inspections of retail marketplaces to ensure compliance.
Pesticide Regulation Overview

Office Staff

Program Manager- Dennis Howard
Enforcement Coordinator- Rob Hofstetter
Certification and Training Coordinator (Acting)- Russell Noratel
Agricultural Inspector Manager- Ellis Tinsley
Administrative Officer II- Jessica Koontz
Office Supervisor- Carolyn Shepke
Office Staff- Hannah Peete (Secretary II)
              Robert Day (Secretary II)
              Ginalyn Santos (Temporary Secretary)
Inspectors and Territories

Kelly M. Love, Agricultural Inspector II

Samarakoon Yapa, Agricultural Inspector Advanced

Berhanu Argaw, Agricultural Inspector Supervisor

David Parks Agricultural Inspector II
Pesticide Regulation Overview

- 1113 Licensed Pest Control Businesses
- 240 Licensed Public Agencies
- 3202 certified applicators
  - 276 certified in Category 1A (Ag Plant)
  - 13 certified in Category 1B (Ag Animal)
  - 24 Certified in Category 1C (Grain Treatment)
- 2973 private applicators
- 6480 registered employees
Private vs Commercial Certification

A private applicator is a person who uses a restricted use pesticide in the *production* of an agricultural commodity on their own or rented property.

However, when a pesticide is applied to someone else’s property for compensation it falls under the classification of a commercial business, and requires certification as a Pest Control Applicator and licensing of the business as a Pesticide Business with MDA.
Some Manuals Online!

Suddenly, a heated exchange took place between the king and the moat contractor.

Licensing and Certification

Manuals Supplied by MDA-

- Core: MD Core Manual.pdf
- Cat 7C: Wildlife_Manual.pdf
- Cat 7D: Rodent_Manual.pdf
- Cat 8: Public_Health_Manual.pdf
- Cat 13: Aerial Applicator's Manual

mda.maryland.gov
Renewal Process Video Tutorials

• Now available online!
• Go step-by-step through entire renewal process!
• Second video describes how to print license once renewed
• Available at:
  • Licensing and Certification Page of MDA Website
  • UMD Extension
REMINDER

Bring your Certification number to all meetings!

- MDA will no longer provide credits to those who do not write their certification number on meeting attendance sheets.
- This can be found on your MDA ID card or your Certified Applicator Certificate!
Online Renewal System

• Convenient – no paper forms
• Pay by credit card
• Can access/print your license and certificate at any given time
• Need “code” found on post card to log in so **do not throw out**
Private Applicator Card

Certification number

MARYLAND DEPARTMENT OF AGRICULTURE
Pesticide Regulation Section
50 Harry S. Truman Parkway
Annapolis, Maryland 21401
(410) 841-5710

PRIVATE APPLICATOR CERTIFICATE

CERT # 12345

JOSEPH APPLICATOR
234 ANYPLACE RD
ANYTOWN MD 12345

CONTROL NO.
171722

EXP DATE
12/31/19
2018 Complaint Investigations

Formal Complaints: 37

- Agricultural: 16
- Structural: 3
- Turf & Ornamental: 4
- Public Health: 3
- Neighbor vs. Neighbor: 4
- EPA Referral: 4
- Unknown: 3

8 Civil Penalties Accessed totaling in $10100.
2018 Agricultural Investigations

Other Complaints: 21
Agricultural: 16

4- Confirmed Violations

11 Complaints related to drift!
Agricultural Investigations over last 10 years

- **# of Complaints**
- **# of Violations**

<table>
<thead>
<tr>
<th>Year</th>
<th># of Complaints</th>
<th># of Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>2009</td>
<td>4</td>
<td>2</td>
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<td>2017</td>
<td>14</td>
<td>4</td>
</tr>
<tr>
<td>2018</td>
<td>16</td>
<td>4</td>
</tr>
</tbody>
</table>
Do you have all of the PPE that you need?
Are you wearing the correct PPE?
Is your PPE in good repair?
Do You Know What PPE Is Required?

Personal Protective Equipment (PPE)

Applicators and other handlers who handle this pesticide must wear:
- Long-sleeved shirt and long pants
- Shoes plus socks
Do You Know What PPE Is Required?

Personal Protective Equipment (PPE)
Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear
- Chemical resistant gloves (≥14 mils) such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber
Wearing gloves can reduce your exposure
Application Equipment in working order?
Follow the Label Instructions

Make Sure The Site Is On The Label

Golf Courses
 CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
Smart Phones - Not just for looking at Cat Memes

-Labels may be kept on your phone or electronic device, but you must be able to access it immediately.

-Should you not have cell reception, you may have a pdf copy of the label on your phone or electronic device.
How do you check your weather conditions?
Unlicensed Business Initiative

- MDA has continued to investigate unlicensed companies providing or Advertising pest control services.
- MDA staff continues to monitor, newspapers, yellow page directories, flyers, various internet sites and investigate tips and conduct field inspections.

- 4 complaints involved unlicensed businesses and 23 notices were issued.
Spotted Lanternfly

It’s Here!

• Found in 13 counties in PA and recently in DE
• Recently found in Cecil County.
• Pest of fruit & ornamental trees including: willow, maple, poplar and pine

If found in Maryland: Report to MDA Plant Pests Section:
(410) 841-5870
Thank you to those that participated in our annual pesticide container recycling program. MDA collected more than 50 tons of plastic in 2018!
For More Information, Contact:
Maryland Department of Agriculture
Pesticide Regulation Section
50 Harry S. Truman Parkway
Annapolis, MD 21401
Telephone: (410)841-5710      FAX: (410)841-2765
Internet:  www.mda.maryland.gov