

Pesticide Safety Education Program
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APPS FOR TANK-MIX CALCULATORS

There's an app for that...even figuring pesticide tank mixes. Several free apps are available for smartphones that can be utilized by pesticide applicators. This list is not complete, and we would be interested in any others that are available.

- Farm Logics has an app for both Android and Apple environments:
http://www.farmlogic.com/tools/mobile_apps/tank_mix_calculator.aspx
- Precision Laboratories has an app available for both Android and Apple environments: <http://www.mixtankapp.com>
- Marrone Bio Innovations has an app available through iTunes:
http://marronebioinnovations.com/news/news10232009_iphone_app.html
- DuPont has an app available through iTunes:
http://www2.dupont.com/Prod_Agriculture/en-us/content/article/tank-mix-app-on-itunes.html

MAINTAIN THE PESTICIDE PRODUCT'S IDENTITY

Private applicators are required to keep records on all restricted-use pesticide applications. One essential item for the records is the EPA registration number of the pesticide product. The registration number can be thought of as the social security number of the pesticide product; it's a unique identifier for the pesticide product.

For example, a private applicator may use a permethrin product to control insects on a crop. Ohio has 652 registered pesticide products that contain permethrin, some of them are restricted-use products and some are not. Which one did the applicator use?

Even if the applicator wrote down a brand name like Permethrin 3.2 AG the records aren't complete because there are four different companies that have a product registered in Ohio under that name, and each is a restricted-use product. The records need to have the EPA registration number to verify the label used and document that the application was done in compliance with the label.

TIME TO CALIBRATE MOSQUITO FOGGERS

Mid-summer brings mosquitoes and some municipalities will be involved in spraying for mosquitoes. Pesticide labels for mosquito adulticides are very specific on the droplet size needed for control. Applicators need to have documentation that the sprayers have been correctly calibrated before beginning applications.

This year because of budget cuts, the Mosquito Control Calibration Workshops conducted by the Ohio Department of Health and Ohio State University Extension will not be held as usual in June. Applicators who are preparing to use foggers still need to have them calibrated. If help is needed with the process, contact your mosquito product supplier.

MINOR-USE CROPS WEB PAGE

Minor-use crops have fewer than 300,000 acres in production in the United States. These crops may be overlooked by pesticide companies for product registration because the small acreage may provide insufficient economic incentive to go through the costly registration process.

EPA has the Minor Uses and Grower Resources Web page for growers, registrants, and others interested in EPA programs involved with ensuring safe pesticide tools for these crops. The website is available at: <http://www.epa.gov/pesticides/minoruse/> The web page contains information on the crop grouping project, obtaining a Codex Maximum Residue Limit (MRL), the MRL database, and regional cooperation on tolerance harmonization including the North American Free Trade Agreement.

BUG-BOMB FOGGERS INEFFECTIVE FOR CONTROLLING BED BUGS

Recent research published in the June issue of the Journal of Economic Entomology found that over-the-counter bug-bomb foggers are not effective to control bed bugs. The research was conducted at The Ohio State University by Susan Jones and Joshua Bryant and tested three commonly-used bug bombs.

According to the researchers, bed bugs hid in protected sites such as under sheets and mattresses, in cracks and crevices, and in carpet so the insects are not exposed to the insecticide. More information is available at: <http://www.entsoc.org/press-releases/bug-bomb-foggers-are-no-match-bed-bugs> or you can view Dr. Jones' video at: <http://www.youtube.com/watch?v=SryZqXs2z20>

(Source: Entomological Society of America, <http://www.entsoc.org>, June 3, 2012)

WINTER COMMERCIAL RECERTIFICATION CONFERENCES ANNOUNCED

The Ohio Commercial Pesticide Applicator Recertification Conferences have been scheduled. ALL commercial categories will be offered at each location. The dates and locations are:

- January 31, 2013 –Dayton Convention Center
- February 13, 2013 – Akron, John S. Knight Center
- March 5, 2013 – Columbus Convention Center
- March 21, 2013 – Sandusky, Kalahari Conference Center

The cost will be \$75 for the conference, which the same as last year to help applicators in small businesses and public agencies maintain their license. Registration information will be posted October 1 on the Pesticide Safety Education Program website at: <http://pested.osu.edu> Mailing will go to licensed applicators in early December.

PESTICIDE CROP WATCH

24c Label for Ohio

Roper DF Rainshield – A 24c label is available Roper DF Rainshield for use on burley tobacco to control tobacco plant bed and field diseases. A 24c label addresses a local need and the grower must have a copy of the 24c label when making any application. A copy of the label is available at <http://pested.osu.edu/24C.htm> and is indicated by EPA SLN No. OH-1200001.

Section 18 Label for Ohio

HopGuard – A Section 18 exemption has been established for HopGuard for use in beehives to control varroa mites (*Varroa destructor*) on honey bees. The exemption expires on December 31, 2012. A copy of the label is available at: <http://pested.osu.edu/section18.html>

Fungicides

Ametoctradin - a new active ingredient that has been granted registration by EPA for use on tuberous and corn vegetables, bulb vegetables, leafy vegetables, fruiting vegetables, cucurbit vegetables, grapes, hops, and ornamentals. More information is available at: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0261-0017>

Insecticides

Cold pressed neem oil – For bed bug control, EPA has approved a 5-½% cold pressed neem oil in a ready-to-use formulation and a 22.0% cold pressed neem oil that is a concentrate formula for commercial use in the treatment of whole rooms. More information about the registration of cold pressed neem oil is available in a pdf file at: http://www.epa.gov/oppbppd1/biopesticides/ingredients/tech_docs/brad_025006.pdf

(Sources for Crop Watch: EPA Office of Pesticide Programs, May 23, 2012)

UPCOMING EVENTS

More information about the following events is at: <http://pested.osu.edu>.

Pesticide Safety Training for New Applicators

August 29, 2012

September 26, 2012

Training for trained servicepersons is included in the program.

Schedule for the training: Core in the morning and Categories 8, 5, 2c and 6c in the afternoon.

All training at the Ohio Department of Agriculture, Reynoldsburg

Wood-Destroying Insect Inspection Training

September 12, 2012 – Ohio Department of Agriculture, Reynoldsburg

Mandatory training for Commercial Category 12

Extension Educator Pesticide Applicator Training Inservice

December 12 & 13, 2012 – Ohio 4-H Center, OSU Campus, Columbus

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