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Ohio Pesticide Safety Education Program

Ohio State University Extension

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Website Resource for Pesticide Safety Education

The Pesticide Environmental Stewardship website, supported by the Center for Integrated Pest Management, is available for educators involved with pesticide safety education. Contributions are made to the site by Extension pesticide safety education coordinators from various locations.

The website address is: <http://www.pesticidestewardship.org/Pages/default.aspx> and features information about drift, reading the label, personal protective equipment, and other pesticide-related information. The website would also be beneficial for pesticide applicators looking for information about spraying pesticides.

Reducing Drift: Newest Pesticide Stewardship Module

The Weed Science Society of America has developed a series of pesticide stewardship information sheets that address various aspects of pesticide application. Available on their website at <http://wssa.net/>, the modules focus on reading the pesticide label, buying product, seller responsibilities, and other items.

The newest installment is a module that focuses on pesticide spray drift. The article discusses some recent spray drift cases where the applicators were fined for causing damage from drift. Topics such as buffers, weather influences, and application equipment are discussed along with helpful resources for applicators.

2014 Educator Inservice

The Pesticide Applicator Training Educator Inservice will be moving to January this year. The inservice will be January 7 and 8, 2014 and held at the Ohio 4-H Center on OSU Campus in Columbus.

The inservice is for Extension educators, specialists, associates or program assistants involved with pesticide applicator training. The agenda will include information focused on private pesticide applicator training and provide educators with tools to use in winter training.

Educators will have the opportunity to receive the information directly from state specialists involved with pesticide-related research. Powerpoints, articles, and other items for training will be provided for each county to utilize. ANR educators involved with applicator training are encouraged to put the date on their calendar and plan to attend.

Prostate Cancer Possibly Associated with Four Pesticide Products

The Agriculture Health Study started in 1993 to follow private and commercial applicators in Iowa and North Carolina. To date, over 89,000 individuals have participated in the study which is a joint project of the National Institutes of Health and EPA. The study has been tracking the agricultural practices and health effects of the participants as they occur, rather than relying on a participant's memory of past practices and possible exposures.

As the study is entering its 20th year, the data has provided information for researchers conducting research on cancer and other diseases. A recently published paper in the *American Journal of Epidemiology* from the Agriculture Health Study has shown a significant association with aggressive prostate cancer and four organophosphate insecticide products. The research study journal article is available at:
<http://aje.oxfordjournals.org/content/177/1/59.long> .

Two of the active ingredients, fonofos and aldrin, have been discontinued and are no longer available for sale. Malathion and terbufos were the other two active ingredients identified in the study. A different U.S. study showed no association between malathion and prostate cancer.

(Source: Phil Nixon, March/April, 2013, Illinois Pesticide Review, Pesticide Safety Education Program, University of Illinois Extension,
http://web.extension.illinois.edu/ipr/i8561_829.html)

Mobile App for Pesticide Product Searches

Searching for pesticide products available for certain pests or application sites? There's an app for that! The National Pesticide Information Center has released a new app which searches for pesticide products by name, site, pest, EPA Registration Number, registrant, or a combination of these.

The Mobile Access to Pesticides & Labels (MAPL) is available at <http://npic.orst.edu/mapl> A three-minute video tutorial for the app is available at <http://bit.ly/12gvoyW> The app will also connect to the EPA database of pesticide labels. These labels are useful for reference, but applicators should use the label attached to the pesticide product.

These pesticides are registered for use by the EPA. Applicators in Ohio need to check to make sure the product is also registered in Ohio before use. A listing of registered Ohio products is available at:

http://npirspublic.ceris.purdue.edu/state/state_menu.aspx?state=OH
(Source: National Pesticide Information Center, <http://npic.orst.edu>)

Wal-Mart Fined for FIFRA Violations

Wal-Mart has been fined for violations of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Clean Water Act (CWA) for improper disposal and recycling of pesticide products returned to their stores by customers. Wal-Mart will be paying approximately \$81.6 million in fines for the unlawful conduct.

Wal-Mart employees did not provide adequate oversight of about 2 million pounds of registered pesticides sent to a recycling facility over a two-year period. The regulated pesticides were mixed together for resale to customers without the required registration, ingredients or use information which is a violation of FIFRA.

Other pesticide products returned to Wal-Mart stores were not disposed of properly. Employees who did not have adequate training on handling hazardous materials were putting the products in municipal trash bins or pouring liquid formulations into the local sewer system. Employees were also transporting pesticides to return centers without the proper safety documentation.

Wal-Mart will pay approximately \$81.6 million in fines and is required to implement an environmental compliance agreement to manage hazardous waste generated at its stores. The agreement includes training of employees at all levels of the company in regard to handling pesticide and hazardous material waste.

(Source: EPA Office of Pesticide Programs, <http://epa.gov/pesticides>)

Pesticide Crop Watch

EPA Announces Comments on Registration for New Active Ingredients

The Environmental Protection Agency (EPA) has opened several dockets for new active ingredients that are being considered for registration. One of these active ingredients is *Bacillus pumilus* strain BU F-33, used for preventative control and suppression of root pathogens in the plant. It is also proposed for use as an indoor commercial seed treatment, specifically in carrots and tomatoes.

EPA has opened another docket for the new active ingredient CPPA (Complex Polymeric Polyhydroxy Agents) as well. This product is proposed for use as a plant growth regulator on field and green house crops, fruits, nuts, vines, and ornamentals. This product helps to improve germination and seeding, as well as root and shoot growth, and to improve stress resistance. Additional information is available at:

http://iaspub.epa.gov/apex/pesticides/f?p=CHEMICALSEARCH:31:0::NO:1,3,31,7,12,25:P3_XCHEMICAL_ID:24994

Additional information for CPPA is also available at:

<http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0917-0007>

(Contribution written by Amber Vannoy, Ohio Pesticide Safety Education Program.
Source: EPA Office of Pesticide Programs)

Upcoming Events

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

Pesticide Applicator Training Educator Inservice

January 7 & 8, 2014, Ohio 4-H Center, OSU Campus, Columbus

Ohio Pesticide Commercial Applicator Recertification Conferences

January, 2014 – Dayton Convention Center

February 19, 2014 – Akron, John S. Knight Center

March 6, 2014 – Columbus Convention Center

To Be Announced – Sandusky, Kalahari Conference Center

Pesticide Safety Training – Commercial New Applicators & Trained Servicepersons

All classes taught at the Ohio Department of Agriculture, Reynoldsburg, Ohio

August 28, 2013

September 25, 2013

The schedule for the Pesticide Safety Training: Core and Trained Serviceperson training in the morning and Categories 8, 5, 2c and 6c in the afternoon.

Wood-Destroying Insect Inspection Training

October 9, 2013

Taught at the Ohio Department of Agriculture, Reynoldsburg

Mandatory training required for applicators becoming licensed in commercial category 12 and recertification credits for those already licensed in wood-destroying insect inspections.

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