

“WHAT’S HAPPENING?”

The University of Tennessee Extension
Entomology & Plant Pathology - EPP #60

28 September 2007

FIELD CROP UPDATE

by Charles R. Patrick

Grass/Forages: We have placed two baited fall armyworm traps each in Milan and Jackson to develop information as to when the next flight will be. Armyworms that have been infesting grasse were almost fully grown this week. Given time to pupate and emerge there should be another flight within a couple weeks. I will use the trap data to give us a head start on potential infestations. Remember, they can feed on wheat as well as grasses.

Pastures and Bermuda Grass fields have been attacked by the fall armyworm this week. Most of the worms were over one inch which means they will be in the pupal stage by the time you get this notice. Fall armyworms can reach 1.5 inches in length. After that they stop feeding as much before going into pupation. Let us know when and if you have any problems. I will be checking the traps to hopefully provide an early warning. Below is an image of the larva.



These worms were reported first in Wayne and Weakley counties. Other counties may have had them, but no one was expecting them to occur in such numbers. Several insecticides are labeled: Mustang Max, Karate, Tracer, Lannate. Choose the most economical way to go when choosing the insecticide.

NEW WEED CONTROL PRODUCT FOR GOLF COURSES

by Darrell Hensley

Dow AgroSciences has received registration for penoxsulam, a new proprietary molecule that delivers postemergence control of broadleaf weeds in turf at low use rates. The company has also developed a liquid formulation of penoxsulam – Sapphire specialty herbicide – for use and sale as a stand-alone product for key problem weeds. More information concerning penoxsulam may be obtained by visiting: <http://www.dowagro.com>.

RAVEN TURFGRASS FUNGICIDE

by Darrell Hensley

Raven™ fungicide has just recently been added to the expanding line of products from Phoenix Environmental Care LLC. Phoenix Environmental Care LLC specializes in turf, nursery, ornamental and aquatic products. Raven is a broad-spectrum material that provides control of brown patch, dollar spot and a variety of other destructive turfgrass diseases.

It contains 2-pounds of iprodione per gallon and provides both preventive and curative control. It is touted to extend residual disease control --14 days or longer. It has been reported that the active ingredient in Raven, also offers quick disease knockdown, even at the height of summer heat and humidity. Raven offers control of leaf spot, large patch, fusarium blight, necrotic ring spot, fusarium patch,* (Pacific NW only) gray snow mold, pink snow mold and corticum red thread. Raven may be applied to ornamentals as a foliar spray, drench or by dip application. Always read and follow label directions.

NEW HERBICIDE TOLERANCE TRAIT

by Darrell Hensley

Dow AgroSciences recently announced details of an exciting, new family of herbicide tolerance traits currently in development that could be available in corn by 2012. This new herbicide tolerance will be stacked with the HERCULEX® Insect Protection (www.HERCULEX.net) family of traits to provide growers the broadest-spectrum, in-plant insect protection available and the best herbicide tolerance package. Dow AgroSciences' herbicide tolerance traits will provide tolerance to certain broadleaf and grass herbicides, including the phenoxy auxins like 2,4-D, as well as aryloxyphenoxypropionate 'fop' grass herbicides.

Dow AgroSciences estimates launch timing for their new products around 2012 for corn and 2013 or 2014 for soybeans. The company has intentions to apply for approval of these traits with the regulatory bodies of its main trading-partner countries and will pursue both import permits and cultivation approvals in key countries. The rapid adoption of glyphosate tolerance traits would likely result in broadleaf weeds developing tolerance to glyphosate and coupling another Dow's technology with other currently available herbicide tolerance traits will allow growers to use multiple modes of action to improve control of broadleaf weeds that are becoming more problematic.

Dow AgroSciences is also launching two new soil-applied herbicides that will be ideal for use in

herbicide-tolerant crops. SureStart™ herbicide (www.SureStart.com) in corn and Sonic™ herbicide (www.SonicHerbicide.com) in soybeans both contain multiple modes of action that provide residual weed control in herbicide-tolerant crops.

SYNGENTA NAMES FOUR NEW INSECTICIDES

by Darrell Hensley

Syngenta Crop Protection has announced the brand names of four new insecticides currently in development and pending review by the U.S. Environmental Protection Agency prior to their market introduction. Upon registration, they will be used in a broad range of vegetable, fruit, potato, tree nut and vine crops. They include Durivo™, Voliam Flexi™, Voliam Targo™ and Voliam Xpress™. All are based on the active ingredient Rynaxypyr™.

Durivo will be marketed as a soil-applied insecticide that will control all major sucking and chewing pests, and will be used primarily in brassica and leafy vegetables. It will also be registered for use in cucurbit and fruiting vegetables. Durivo will be the only at-plant systemic insecticide on the market to control both lepidopteron and sucking insect pests. Durivo will provide broad-spectrum insect control during the first 30 to 45 days of the crop's growing season, a critical time for vigorous plant growth.

Voliam Flexi is a systemic foliar insecticide that will control all major sucking and chewing pests, and will be used primarily in pome and stone fruit and in tree nuts. As its name suggests, it will provide flexibility concerning pest spectrum, application timing, climactic conditions and mixability.

Voliam Targo is a long-lasting, systemic foliar insecticide that will be used to control lepidopteron and mite species in pome and stone fruit, tree nuts and grapes. Its precision will help growers manage difficult-to-control pests.

The final product, Voliam Xpress will be used primarily in vegetable and potato crops. It is a foliar insecticide with quick pest knock-down, long-lasting activity and broad-spectrum control of all major lepidopteron pests. Its speed will make it a product of choice when a combination of rapid pest knock-down and long-lasting activity are desired.

PLANT & PEST DIAGNOSTIC HIGHLIGHTS

by Bruce Kauffman

We received 28 samples from September 11 to September 21, 2007 including 14 samples via the UT Diagnostic Web Site.

FRUIT and VEGETABLES :

Fusarium wilt (Race 3) on Red Defender tomatoes.

INSECTS, CRUSTACEANS, and MITES :

Harlequin bug on broccoli and cauliflower; ground beetle in alfalfa hay; flatheaded apple tree borer on red maple; psyllid damage on persimmon leaves; spider mites on Helleri holly.

Insects and diseases in and around the home:

Air sample of Rhizopus (bread mold), Penicillium and Fusarium spores; whitefringed beetle; brown recluse spider; jumping spider; dung beetle; house centipede.

ORNAMENTAL :

Rose rosette disease of English and tea roses; possible fire blight of Cleveland pear; phoma stem dieback and phyllosticta leaf spot on periwinkle; phytophthora root rot of holly, English ivy and hemlock; April freeze damage on Yoshino cherry; drought stress on Chinese holly, Japanese holly, and Norway spruce; valsa canker on Colorado blue spruce; pestalotia needle blight and drought stress on cryptomeria; root dieback due to over watering or under watering and colletotrichum leaf spot of English ivy; botryosphaeria canker, girdling root, April freeze damage and shot hole borer on Bradford pear; root decline of red maple and ornamental cherry; botryosphaeria canker and drought stress of Leyland cypress and littleleaf linden; April freeze damage and drought stress of arborvitae; root dieback due to over watering on Bradford pear, yew, creeping juniper and Japanese holly.

TURF :

Bermudagrass death due to problems with drought stress, soil compaction, soil type, and nutrient and pH imbalances.

OTHER UT NEWSLETTERS WITH PEST MANAGEMENT INFORMATION

Fruit Pest News

<http://web.utk.edu/~extepp/fpn/fpn.htm>

Tennessee Crop and Pest Management Newsletter

http://www.utextension.utk.edu/fieldCrops/cotton/cotton_insects/ipmnewsletters.htm

Tennessee Soybean Rust Hotline - 877-875-2326

USDA Soybean Rust Web Site <http://www.sbrusa.net>

This and other "What's Happening" issues can be found at

<http://eppserver.ag.utk.edu/Whats/whatshap.htm>

Precautionary Statement

To protect people and the environment, pesticides should be used safely. This is everyone's responsibility, especially the user. Read and follow label directions carefully before you buy, mix, apply, store or dispose of a pesticide. According to laws regulating pesticides, they must be used only as directed by the label.

Disclaimer:

This publication contains pesticide recommendations that are subject to change at any time. The recommendations in this publication are provided only as a guide. It is always the pesticide applicator's responsibility, by law, to read and follow all current label directions for the specific pesticide being used. The label always takes precedence over the recommendations found in this publication.

Use of trade or brand names in this publication is for clarity and information; it does not imply approval of the product to the exclusion of others that may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product. The author(s), the University of Tennessee Institute of Agriculture and University of Tennessee Extension assume no liability resulting from the use of these recommendations.

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