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2007 Plant Pathology Index

2007 Entomology Index

PLANT PATHOLOGY 2007 INDEX KENTUCKY PEST NEWS

This issue concludes the 2007 series of Kentucky Pest News (KPN) and marks the end of the 32nd year of inclusion of disease information in KPN. The major objective has been to provide timely information on anticipated and occurring diseases in Kentucky. Any comments (favorable or critical) readers may have regarding KPN (i.e., format, subject matter, coverage, timeliness, etc.) may be directed to KPN authors: John Hartman, Don Hershman, Paul Vincelli, and Kenneth Seebold, Extension Plant Pathologists; and Paul Bachi and Julie Beale, Plant Diagnosticians. The above authors appreciate the efforts of colleagues who have co-authored topics in KPN; and Pat Yancey and Mindy Thompson for assembling and transmitting KPN.

The final issue of KPN 2007, like final issues of previous years, contains an index of all plant disease topics covered during the current year. The index is alphabetized according to each crop or other subject matter. After each crop, each disease that was discussed the past year is listed with the appropriate issue number(s). KPN issue numbers in parenthesis () refers to a listing of the crop or disease in the "Diagnostic Lab Highlights" section. We wish each of our readers a Cheerful Holiday and Peace and Prosperity in 2008. (Hartman, Hershman, Vincelli, Seebold, Bachi, Beale, and Thompson).

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Carpenter bees – 1120
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Chiggers – 1132
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PESTICIDES

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POULTRY

Northern fowl mites – 1126

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Bagworms – 1121, 1126, 1133

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Emerald Ash borer – 1129, 1135

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Walnut caterpillars – 1135

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Vegetable pests – 1126, 1129, 1131, 1133, 1135, 1141, 1145

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Colorado potato flea beetle – 1129

Corn flea beetle – 1129

Cucumber beetle – 1126, 1131, 1135

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Flea beetle – 1126, 1129

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Potato flea beetle – 1129

Seedcorn maggot – 1126

Slugs – 1126

Spotted cucumber beetle – 1126

Squash bug – 1126

Squash vine borer – 1133

Stink bug – 1141

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Striped cucumber beetles – 1126

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Tobacco flea beetle – 1129

Two-spotted spider mites – 1141

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Cold – 1122

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WILDLIFE

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Armyworms – 1120, 1121

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Carpenter bees – 1121

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Corn earworm – 1142

Corn leaf aphids – 1132

Corn rootworm – 1129

Corn rootworm beetle – 1134

Crane flies – 1127

Crickets – 1142

Cucumber beetles – 1133

Dogwood borers – 1129

Dogwood sawfly – 1136

Eastern tent caterpillars – 1120

Elm tree beetles – 1121

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European pine sawfly – 1123, 1126

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Fall webworms – 1135, 1137, 1138

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Hornworms – 1139, 1140, 1142

Imported cabbageworms – 1127

Japanese beetles – 1134

Lady beetles – 1115, 1116

Lice – 1115, 1116

Loopers – 1121

Lone star tick – 1137, 1140

Maple petiole borer – 1123, 1124, 1125, 1128

May beetles – 1126

Millipedes – 1135, 1136, 1137

Nut weevils – 1139

Odorous house ants – 1129

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Paper wasps – 1126

Pine bark adelgid – 1123, 1124

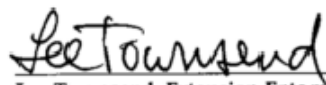
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Planthoppers – 1132

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Walnut caterpillars – 1135
Western corn rootworm beetle – 1136
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Wood cockroach – 1129, 1132
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Lee Townsend, Extension Entomologist

NOTE: Trade names are used to simplify the information presented in this newsletter. No endorsement by the Cooperative Extension Service is intended, nor is criticism implied of similar products that are not named.

PESTICIDE LAWS

10 COMMON PESTICIDE INFRACTIONS – A REVIEW

Listed below are 10 common infractions of pesticide laws as found by inspectors in one EPA region. The list provides some good points for pesticide training classes because it serves as a reminder of some of the simple things that can be overlooked. The points are valid for both private and commercial applicators.

1. **Invalid business or applicator license** - Do you know where your card is? If so, check the expiration date. If not, well ...
2. **Label violation** - This includes the use of a product on plants (or sites) no longer supported by the label or not following label instructions. For example, the labels for many pesticides have been changed over the past 4 to 5 years as a result of the EPA's re-registration program. Consequently, many uses for products, such as diazinon and malathion, have been eliminated. Some applicators may continue to buy and use products on plants (sites) that are no longer on the label. Reading the label before purchase and use is imperative.
3. **Improper mixing** - Read compatibility statements and other directions carefully. Problems here can be due to prohibited tank mixes that cause interactions. There can be plant reactions from combinations of certain classes of pesticides that are applied days, or even weeks, apart.
4. **Failure to survey the site before applying a pesticide** - This can range from overlooking or forgetting a sinkhole in a field to accidental spraying of a pet's water bowl or children's toys by a lawn care applicator.
5. **Poor preparation for spills or other emergencies** - How many application rigs carry some soap, water, disposable towels, and an eyewash kit? Worker protection standards now are very specific about providing decontamination materials. Applicators should be familiar with how to handle spills of the pesticides they are transporting or applying.
6. **Drift complaints** - Particle and/or vapor drift can result in off-target movement of a pesticide. Knowledge of product characteristics and attention to environmental conditions such as wind speeds or inversions will reduce the potential for problems. Be aware of sensitive nearby crops or plants.
7. **Incomplete or missing records** - Private and commercial applicators must keep appropriate records of pesticide applications. Dealers who sell restricted use pesticides also must maintain records that contain specific information about products and purchasers.
8. **Spray tank not properly cleaned; applicator not familiar with tank's history** - This can lead to crop damage or illegal residues. Purchase of used spray equipment should include determining the types of products that had been applied by the previous owner. Solvents in some EC formulations can serve as tank cleaners. This can result in inadvertent crop injury by the new owner.
9. **Applicator makes erroneous product safety claims** - While there could be cases of overselling a product, lack of familiarity with the label may be a major reason for unrealistic claims. Read beyond just the crop and rate information. Look critically for cautions or warnings, such as crop or variety sensitivity or effects of specific weather conditions on applications or product efficacy.