

IPM Publications, Information You Can Use! IPM1005

Integrated Pest Management in Missouri's Green Industries

The University of Missouri's Integrated Pest Management program publishes a series of guide sheets that focus on a variety of topics important to individuals engaged in making sound pest management decisions. From 'Weed Management Systems for Environmentally Sensitive Areas' (IPM1018), to 'Crop Nutrient Deficiencies and Toxicities' (IPM1016), IPM guidesheets offer something for everyone involved in pest management; from crop production, to landscape maintenance, to homeowners and hobby gardeners. These publications are free to view and print online: (<http://ppp.missouri.edu/ipm/pubs.htm>). Print copies of most IPM publications can also be purchased for a nominal fee. To order print copies by phone with a credit card, call: 573-882-7216 or 800-292-0969. To order copies online go to: (<http://extension.missouri.edu/publications/order.aspx>)

'Integrated Pest Management in Missouri's Green Industries' (IPM1005) focuses on how IPM can play a role in managing pest problems in

Missouri's green industries. This guide sheet provides both professionals and homeowners information on the importance of IPM as it relates to the green industries, beginning with a short definition of what a green industry is. 'Green industries' are the nonfood segment of Missouri's agriculture. They are dedicated to the production of, as well as the maintenance and sale of, ornamental, landscape, turf and nursery plants. The guide sheet goes on to give an explanation of IPM and how it relates to Missouri's green industries, followed by a short history of IPM in general. This publication stresses the importance of IPM in the green industries and lists the IPM goals as well as the MU IPM program's specific objectives as they relate to these industries.

Putting a successful IPM program into action in the green industries involves the following five steps: Identify key pests and the damage they cause; Monitor pest populations on a regular basis; Determine the potential for economic loss or significant reduction of aesthetic value; Choose the proper

management tactic or combination of tactics; Evaluate the effectiveness of the management plan. These five steps are explained in detail in this guide sheet to provide pest managers with information needed to achieve the goals of a well managed IPM program.

Because Missouri's citizens are concerned about pesticides and nutrient pollution, our green industries, particularly those within urban areas, need to put social and environmental considerations at the forefront of their decision making. IPM strives to safeguard our resources, and protect our environment by reducing pollution of our surface and groundwater sources that can affect human health, nontarget organisms and food safety. IPM in Missouri's green industries is important because a degraded environment is not a conducive atmosphere for healthy life.

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