

IPM in Buildings

By JEAN CIBOROWSKI

Integrated pest management (IPM) is typically associated with treating pest problems which occur in landscape settings or agricultural fields. How many of you have ever thought of employing IPM when treating indoor pest problems? In most cases, when an indoor pest problem arises, people want the quickest solution; however, in the long-run, a "quick-fix" solution may not be the most appropriate. Just as in outdoor settings, indoor settings can also benefit from well-planned IPM programs which are proactive in nature. The same principles which apply to outdoor IPM are also applicable to indoor IPM. Remember the six IPM "How To" steps: gather information and assess your situation; establish monitoring procedures; establish injury levels and develop economic thresholds; determine corrective actions; establish a good recordkeeping system, and finally, evaluate your program's effectiveness.

It makes good sense to use IPM in indoor settings where humans and pets live, work and play. The goals of a good IPM program stress: 1) the importance of minimizing the risks to human health and the environment; 2) providing effective control of a pest complex by including alternative pest management strategies which are least toxic to non-target organisms; 3) ease in carrying out a pest management program safely and effectively; 4) maintaining cost effectiveness both in the short- and long-term; and 5) appropriateness to the site.

When implementing a pest management program in buildings it is important to consider not only the pest but the environment in which the pest is found. What factors are contributing to the pest's ability to survive and propagate? Where is the pest located, i.e., throughout the building or just locally in a specific area? In order to manage the pest, you must be aware of its habits and location. The more information you collect, the better able you will be to make informed pest management decisions. Often by simply monitoring the pest, you will be able to determine its location and then, using one or more of several treatment options, control the pest so that it is below your accepted aesthetic, economic and/or safety threshold. Remember, when treating any pest you must be aware of its life cycle so that you treat the pest during its susceptible life stage. Treatment of dormant stages will prove unsuccessful and a waste of time and money.

Broadly speaking, what are the treatment options for indoor pests? I will touch briefly on five general categories including; education, habitat modification, physical controls and chemical controls.

• **Education:** Often indoor pest problems can be drastically reduced or eliminated by education. If people understand what causes a pest problem, they may be better able

to avoid behaviors which can lead to pest problems. For example, people may not realize that by leaving food and drinks out and not cleaning up spilled foods, they are creating the perfect environment for pests.

• **Habitat modification:** It is important to keep things clean. Sanitation goes a long way in eliminating pest populations. Eliminating sources of water and food for potential pests is very important. Storage of items in the proper containers, off the floors, and in dry spaces can aid in preventing problems.

• **Physical controls,** including vacuuming, caulking cracks, placing traps and removing pests by hand play an important role too. Choosing least-toxic chemical controls such as desiccating dusts and insect growth regulators can also contribute to your IPM program.

• **When chemical control is necessary,** consider the safety of the pesticide for humans, pets and the overall environment. Try to use a chemical which is species specific and always follow label directions. Keep in mind that the aim of an IPM program is to manage pests over long time periods. You want to implement a program which will be viable now with continued efficacy into the future.

For more information, please contact Jean Ciborowski at (651) 297-3217.

Analytical Services By:



Paskvan Consulting

Route 1 Box 77A
Akeley, MN 56433
218-652-3542 Office
218-652-2949 Fax
paskcons@mega-com.com e-mail

"Where Success is never an accident"

WWW.mega-com.com/soils

Specialists in Soil & Plant Nutrition
Tailored to Golf Courses and Sports Turf

We provide the following services:

- Complete inventory of the soils on the course or job site
- Sampling, Analysis, Delivery and Interpretation of the results to save you money
- Recommend corrective fertilizer materials to save you money
- Physical analysis on sand-soil-peat to determine proper mixing for greens and topdressing
- Irrigation quality analysis
- First lab in the country A2LA accredited under the new USGA guidelines for new greens construction
- Fast turn around time, yet quality is never compromised