



Super Science

// WEED CONTROL

NEW HERBICIDE RESISTANCE TOOL

The Herbicide Resistance Education Committee of the Weed Science Society of America has released a new series of training modules on herbicide resistance management developed specifically for turf. The training modules are in PowerPoint format and can be accessed at: <http://wssa.net/weed/resistance/>

Each training module is brief, well-illustrated and easy to understand. The specific modules are:

- Lesson 1: Current Status of Herbicide Resistance in Weeds
- Lesson 2: How Herbicides Work
- Lesson 3: What is Herbicide Resistance?
- Lesson 4: Scouting After a Herbicide Application and Confirming Herbicide Resistance
- Lesson 5: Principles of Managing Herbicide Resistance

Cases of herbicide-resistant weeds worldwide are becoming increasingly common since the first reports of their occurrence in the 1950s. These biotypes survive herbicide application at doses that usually give effective control of the species. Resistant weed biotypes are a consequence of basic evolutionary processes. Individuals within a species that are best adapted to a particular practice are selected for and will increase in the population. Once a weed population is exposed to a herbicide to which one or more plants are naturally resistant, the herbicide kills susceptible individuals, but allows resistant individuals to survive and reproduce. With repeated herbicide use, resistant weeds that initially appear as isolated plants or patches in a field can quickly spread to dominate the population and the soil seed bank.



An annual bluegrass plant survives while surrounding annual bluegrass plants were controlled by a herbicide application.

NEWS UPDATES

BAYER CROPSCIENCE INTRODUCES SPECTICLE PLUS FERTILIZER

Environmental Science, a division of Bayer CropScience LP recently launched Specticle plus Fertilizer, a herbicide that provides warm-season turf managers up to eight months of residual control at low use rates.

"Specticle plus Fertilizer is an example of delivering innovation to meet the needs of

green industry professionals and help them be more

efficient," said Jeff Michel, Bayer's herbicide business manager. "It allows turf managers to achieve healthy, weed-free turf while simplifying operations, which translates to time and cost savings that help grow their bottom line."

Specticle plus Fertilizer is available in two different concentrations and a variety of fertilizer blends to provide for increased flexibility that meets the needs of warm-season turfgrass professionals. Specticle plus Fertilizer delivers extended residual pre-emergent control of more than 75 broadleaf and grassy weeds, including annual bluegrass, goosegrass, crabgrass and annual sedge.

For additional information visit backedbybayer.com.



“A single sedge tuber can produce more than 1,900 shoots.”