

Recent Advances in Insect Control in Lawns

Amy L. Suggars, Ph.D

Valent USA

I. Introduction - General discussion of the new insecticides and their chemistry.

II. Merit - imidacloprid

- A. Chemistry
- B. Mode of Action
- C. Toxicity
- D. Target Pests/Spectrum
- E. Residual Activity
- F. Timing of Application

III. MACH 2 - halofenozid

- A. Chemistry
- B. Mode of Action
- C. Toxicity
- D. Target Pests/Spectrum
- E. Residual Activity
- F. Timing of Application

IV. Confirm - spinosad

- A. Chemistry
- B. Mode of Action
- C. Toxicity
- D. Target Pests/Spectrum
- E. Residual Activity
- F. Timing of Application

V. Product Comparison for Grub Control

VI. Role of New Products in Integrated Pest Management

VII. What about the other “biologicals” and “biorationals”?

- A. What does “biorational” mean?
- B. Soaps
- C. Turplex
- D. *Bacillus thuringiensis*
- E. Entomopathogenic Nematodes