

# WISDOM™ FLOWABLE WISDOM™ GC GRANULAR

## TURF AND ORNAMENTALS

### Flexible and reliable options for turfgrass pest management

Insect and mite pests that dominate the turfgrass environment are varied and have the propensity to rapidly get out of control. At any given time of the year, the pest complex depends on such factors as the grass type, past pest pressure, adjacent terrain and microclimatic conditions. Understanding the biology and pest life cycle in relation to local conditions is critical for designing and implementing successful pest management programs.

### Wisdom formulations are broad spectrum, cost effective tools

Wisdom Flowable and Wisdom GC Granular are excellent tools for providing broad spectrum of control in a cost effective manner.

Bifenthrin (the active ingredient in both formulations) is a proven pyrethroid which delivers a

rapid response to the pest problem coupled with long-lasting residual activity. Therefore, golf courses need fewer treatments per year when treated with these products. The broad spectrum of activity also ensures that other minor pests are controlled by the same treatment. Key pests controlled include: armyworms, bluegrass billbugs, chinch bugs,



crane flies, cutworms, fall and sod webworms, fleas, Japanese beetles (adults), mites, mole crickets (nymphs and adults), red imported fire ants and ticks. Application rates range from 10 to 40 oz. Wisdom Flowable per acre or 50 to 200 lbs. Wisdom GC Granular per acre. For full use directions and precautions, please read complete product labels prior to any use.



### Advantages

- Broad spectrum of activity includes mite control. Controls many pests in both larval (immature) and adult stages.
- Wisdom Flowable is compatible with many agricultural chemicals with good dispersion characteristics.
- Wisdom GC Granular can be easily applied through conventional spreaders with standardized settings. Watering effectively releases measured amounts of bifenthrin into the grass.
- Cost effective and consistent control of key pests with proven residual activity.
- Higher purity of technical grade bifenthrin (high cis-bifenthrin content) made in the USA.
- Excellent for IPM or insecticide resistance management programs.

Proudly made in the USA!



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### Cutworms or Armyworms

Fall armyworms are a tremendous pest in many turfgrasses throughout the US. The female moth lays eggs on leaf surfaces which hatch in a few days. The caterpillar is pale green when young (first two instars) and when fully grown, becomes brown-black with a pale stripe in the center of the body and a "Y" on the head capsule. Pupation takes place in the soil. The life cycle can take approximately 45 days depending on temperature and multiple generations are common especially in the warmer regions. Surface sprays with Wisdom Flowable are an effective way to control these surface-feeding pests.



### Red Imported Fire Ants

Red imported fire ants (RIFA) are social insects that live in large colonies mainly in the southern states. The worker ants are reddish-yellow in color and are very aggressive especially when



the mounds are disturbed. RIFA bites can elicit severe allergic reactions in many people, often requiring swift medical attention. After mating, the queen ant lays thousands of eggs underground that give rise to workers, winged females and males. The colony usually becomes active in spring with the queen laying fresh eggs. Mound treatments with Wisdom GC Granular are an effective way for controlling RIFA and arresting the spread of colonies. Many county and state agencies have programs underway to prevent the spread of RIFA which is classified as a "quarantine pest."

### Guidelines for effective control

- Wisdom Flowable may be tank-mixed with other products including insect growth regulators. Always check for physical compatibility prior to use.
- For large infestations of red imported fire ants, a single application of 40 oz Wisdom Flowable may be applied per acre once a year. When using Wisdom GC Granular formulation, it is important to irrigate the mounds prior to application.
- To ensure optimal control of armyworms, mole crickets or chinch bugs with Wisdom GC Granular, irrigate the treated area with up to 0.1 inch of water immediately after application to activate (release from the granule) the insecticide.



**WISDOM™ GC GRANULAR**

**WISDOM™ FLOWABLE**

For more information about WISDOM™ GC GRANULAR and WISDOM™ FLOWABLE contact your local pest management distributor, call **1-888- GO AMVAC (462-6822)** or visit [www.amvac-chemical.com](http://www.amvac-chemical.com).



\*WISDOM™ FLOWABLE and WISDOM™ GC GRANULAR are Restricted Use pesticides and therefore have to be sold to and applied by certified applicators or by personnel under their direct supervision. Please read entire label and follow all manufacturer's use directions and precautions.

\*WISDOM™ FLOWABLE amended label use recommendations were pending EPA approval during first quarter, 2005.

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