For use to control Ants (including Fire Ants), Mole Crickets and other insect pests on lawns in landscaped areas and perimeters around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses, sod farms and athletic fields

ACTIVE INGREDIENT:

Bifenthrin* ........................................ 0.25%

INSERT INGREDIENTS: ........................................ 99.75%

TOTAL: ........................................ 100.0%

*Citizens 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

CAUTION

DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK

FIRST AID

If skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

EMERGENCY INFORMATION

How the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

Transportation: CHEMICALS ........................................ (800) 926-4200
Other: AMVAC: ........................................ (631) 294-3910

NOTE TO PHYSICIAN

This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: Hazard to aquatic organisms. Avoid contact with skin, eyes or clothing.

The following Personal Protective Equipment requirements apply to sod farm use only.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicants and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber
- Shoes plus socks

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATION:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas to nearby surface waters or areas may be harmful to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsates.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply at a rate that will exceed 0.2 lb. active ingredient (a.i.) per acre per application on residential sites (i.e., around private homes, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial greenhouses, pre-schools or day care facilities). May be applied at up to 0.4 lb. a.i. per acre per application on non-residential use sites (i.e., around institutional, public, commercial or industrial buildings, golf courses, sod farms, parks, recreational areas or athletic fields). Do not broadcast more than 0.1 lb. active ingredient (a.i.) per acre per application. Do not apply within 35 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, swamps, and commercial fish farming ponds.

For use on nurseries, commercial greenhouses or grass grown for seed.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses, and handled of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry intervals. The requirements in the box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry to treated areas during the restricted entry interval (REI). This also applies to 12 hours PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, in:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. If waning in the granules is necessary, do not allow people or pets on treated surfaces until the grass or soil is dry.

Do not touch treated surface until dry.

GRASS AND PERIMETER APPLICATIONS

(Include Golf Courses and Sod Farms)

Grass Application: Broadcast Wisdom GC Granulat with suitable application equipment to ensure uniform coverage over the treatment area.

APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, as the discretion of the applicator, Wisdom GC Granulat may be applied at 0.25-4 lb A,1 per acre on the basis of the pests listed in this table. However, for residential lawn use, do not apply more than 0.2 lb. A,1 per acre per application.

<table>
<thead>
<tr>
<th>Pest</th>
<th>Active Ingredient lbs. per acre</th>
<th>Application Rate Wisdom GC Granulat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armyworms</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Cutworms</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Sod Webworms</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Annual Bluegrass Weevil (Hypodermus) (Adults)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Hillbugs (Adults)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Black Turfgrass Attaesion (Adults)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Leashoppers</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Mole crickets</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Mole crickets (Nymphs)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Ants</td>
<td>0.2 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Cockroaches</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Fleas (Adults)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Frogs (Larvae)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Fire ants (Adults)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Fire ants (Adults)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Mole crickets</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Mole crickets (Nymphs)</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Ticks</td>
<td>0.1 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Hillbugs</td>
<td>0.4 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
<tr>
<td>Sawflies</td>
<td>0.4 lbs. A,1</td>
<td>0.25 lbs. per acre</td>
</tr>
</tbody>
</table>

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch) in New York State. In New York State, this product may not be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, do make a single repeat application of Wisdom GC Granulat if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Comments:

1. Armyworms, Cutworms, and Sod Webworms: To ensure optimum control, irrigate the treated area with up to 0.1 inch of water immediately after application to activate (release from the granule) the insecticide.

2. Annual Bluegrass Weevil (Hypodermus) adults: Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when Forysthia is in full bloom and concludes when flowering dogwood is in full bloom. Contact your State Cooperative Extension Service for more specific information regarding application timing.

3. Hillbugs: Applications should be made when adult Hillbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting Hillbugs adults will also provide control of over-wintering church bugs.

4. Black Turfgrass Attaesion: Applications should be made during May and July to control the first and second generation of black turfgrass attaesion adults, respectively. The May application should be timed to coincide with the high bloom stage of Vincetoxicum hirundinaria (Black Mustard) and the July application should be timed to coincide with the blooming of Rose of Sharon (Hibiscus syriacus).

5. Church Bugs: Church bugs on the basis of grass plants and are often found in the thatch layer. Irrigate the treated area with up to 0.25 inches of water immediately after application to activate (release from the granule) the insecticide.

6. Flea Larvae: Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Irrigate the treated area with up to 0.25 inches of water immediately after application to activate (release from the granule) the insecticide.

(See back panel for additional Application Rates)

Net Contents: 25 Pounds

10080-1

4100 E. Washington Blvd., Los Angeles, CA 90023
1-323-264-3910 • www.amvac-chemical.com

5481-518_Wisdom GC_20050205_4B.pdf
Imported Fire Ants: Control will be optimized by combining broadcast applications that target nesting workers and newly mated queen ants with mound drenches that will eliminate existing colonies. If the soil is not moist, then it is important to irrigate before application. Broadcast treatments should apply up to 0.4 lb AI/A of Miticide 70 WP (20 oz.) to a 30 square feet of land using a small diameter (0.25 gpm) nozzle. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A 4 foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65-80°F) or in early morning or late evening hours. Note: a spray rig is calibrated to apply 0.1 lb A/A (20 oz.) of Wisdom TC (80 g per liter) in 2.5 gallons per 1,000 square feet of water. This amount should be applied to each mound to achieve the desired application rate. The application rate of 0.25 lbs of ai/acre of Wisdom GC Granular will provide sufficient residual activity for control of foraging Imported Fire Ants and newly mated Fire Ant queens.

Mole Cricket Adults: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the year. Early spring is the only active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg batch to ensure optimum control of subsequent nymph populations (see below).

Mole Cricket nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg batch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment.

Ticks: Do not make spot applications. Treat the entire area where exposure to ticks is possible. Use higher application rates when treating areas with dense ground cover or heavy leaf litter. Ticks may be introduced from surrounding areas or host animals. Remove as necessary to maintain adequate control. Do not allow public use of treated areas during tick season.

Deer Ticks (Ixodes sp.): Have complicated life cycles that range over a two year period and involve four life stages. Applications should be made in mid to late spring to control larvac and nymphs that reside in the soil and leaf litter. American dog ticks may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously forested. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvac, nymphs and adults.

Perimeter Application: Apply to ground area 5 to 10 feet wide around and adjacent to the structure.

- **Wisdom GC Granular**
  - Recommended Sprayer Settings for Broadcast Applications
  - Application Rate: 0.375 g/100 lbs of water
  - Ground Speed: 4.5 mph
  - Pressure: 50 psi
  - Distance: 40 feet
  - Coverage: 1000 sq ft

<table>
<thead>
<tr>
<th>Ground Speed (MPH)</th>
<th>100 pounds per acre Coverage</th>
<th>200 pounds per acre Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>B/1/4</td>
<td>B/1/4</td>
</tr>
<tr>
<td>4</td>
<td>A/1/4</td>
<td>C/1/4</td>
</tr>
<tr>
<td>5</td>
<td>E</td>
<td>D</td>
</tr>
</tbody>
</table>

- **Gandyl Models** (42, 36, 30, 24"")
  - Application Rate: 0.375 g/100 lbs of water
  - Ground Speed: 4.5 mph
  - Pressure: 50 psi
  - Distance: 40 feet
  - Coverage: 1000 sq ft

<table>
<thead>
<tr>
<th>Ground Speed (MPH)</th>
<th>100 pounds per acre Coverage</th>
<th>200 pounds per acre Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>14</td>
<td>19</td>
</tr>
<tr>
<td>5</td>
<td>13</td>
<td>17</td>
</tr>
<tr>
<td>6</td>
<td>12</td>
<td>16</td>
</tr>
</tbody>
</table>

- **Spryker (all models)**
  - Application Rate: 0.375 g/100 lbs of water
  - Ground Speed: 4.5 mph
  - Pressure: 50 psi
  - Distance: 40 feet
  - Coverage: 1000 sq ft

<table>
<thead>
<tr>
<th>Ground Speed (MPH)</th>
<th>100 pounds per acre Coverage</th>
<th>200 pounds per acre Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>23</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>20</td>
<td>19</td>
</tr>
</tbody>
</table>

Note: These recommended settings should be used as starting points when calibrating sprayers to achieve the desired application rate of Wisdom GC Granular. After Calibration, the technician should regularly observe the amount of Wisdom GC Granular that is applied to a known area and adjust the application rate as necessary, to maintain the appropriate application rate. Spreader bars should be calibrated periodically to ensure that equipment is operating at the correct speed and/or pressure to ensure that the appropriate amount of Wisdom GC Granular is applied. Calibration instructions are included in the Owner’s Manual that was provided by the equipment manufacturer at the time of purchase. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application time.

- **Residence**: For some insects, known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details.

**Storage and Disposal**

- **Prohibitions**: Do not contaminate water, food or feed by storage or disposal.
- **Pesticide Storage**: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly.

**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label, and that the product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (b) that this product remains effective, that any use of this product will result in the prevention or control of any and all pests or insects, subject to the inherent risks referred to herein, when it is used in accordance with such directions.

**AVMAC** offers this product, and Buyer accepts, is subject to the following Limited Warranty which may be varied only by agreement is written and signed by an authorized representative of AVMAC.

Wisdom™ is a trademark of AVMAC Chemical Corporation.