

400-487

7/7/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Judy Ball
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

JUL 7 2010

Subject: Notification
Micromite 80WG
EPA Reg. No. 400-487
Date Submitted: June 18, 2010

Dear Ms. Ball:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated June 18, 2010 for the product referenced above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact me at (703) 306-0415 or davis.kable@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis
Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505P)

EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company / Product Name 400-487	2. EPA Product Manager Kable Davis	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company / Product (Name) Micromite® 80WG	PM# Team 7	
5. Name and Address of Applicant (Include ZIP Code) Chemtura Corporation 199 Benson Road Middlebury, Connecticut 06749 <input type="checkbox"/> check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____.
<input type="checkbox"/> Resubmission in response to Agency letter dated _____.	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Adding pests – katydids, grasshoppers

NOTIFICATION
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Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>* Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
	If "Yes" Unit Packaging wgt No. Per container	If "Yes" Packaging wgt No. Per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Judith O. Ball	Title Registration Specialist	Telephone No. (Include Area Code) (203) 573-2454
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Certification
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Judith O. Ball for</i>	3. Title Product Registrations Manager, North America	6. Date Application Received (Stamped)
4. Typed Name Michael R. Dupre	5. Date June 18, 2010	



Chemtura Corporation
199 Benson Road
Middlebury, CT 06749
203-573-2454 tel
203-573-2958 fax
www.chemtura.com

June 18, 2010

Document Processing Desk (**NOTIF**)
Office of Pesticide Programs (**7505P**)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard (South Building)
2777 S. Crystal Drive
Arlington, Virginia 22202-4501

Attention: Ms. Shereda Hobgood, 7505P
Director's Office

Subject: **Micromite® 80WG, EPA Reg. No. 400-487**
Notification-Adding Pests

Dear Ms. Hobgood,

Chemtura is notifying the EPA of the addition of pests, katydid and grasshoppers, to the use directions for Micromite 80WG, EPA Registration No. 400-487.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

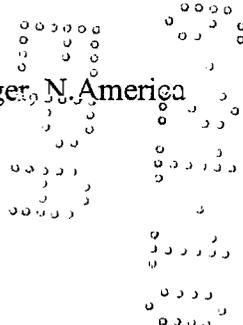
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Should you have questions regarding this amendment, please contact Judy Ball at 203-573-2454 or by email at judy.ball@chemtura.com.

Sincerely,
CHEMTURA CORPORATION

Judith O. Ball for

Michael R. Dupré
Product Registrations Manager, N. America



Enclosed: EPA Form 8570-1
Revised Label
Highlighted Label

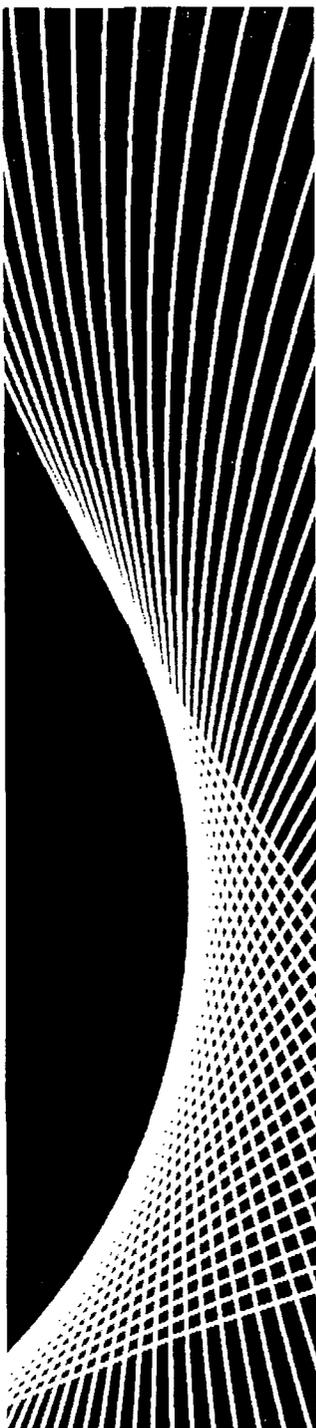
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GROUP 15 INSECTICIDE

Restricted Use Pesticide. Due to toxicity to aquatic invertebrate animals. For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

Micromite® 80WG



Insect Growth Regulator

For Use on Oranges, Grapefruit, Tangerines, Pummelos/Pomelos and their hybrids

(Water Dispersible Granule)
(Water Soluble Package - 10 x 3.125 oz. pouches per bag.)
(See Precautions for water soluble package)

Net Contents:
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Active Ingredient: (% by weight)

Diﬂubenzuron	
N-[[[4-Chlorophenyl]amino]carbonyl]-2,6-diﬂuorobenzamide.....	80%
Inert Ingredients:.....	20%
Total:.....	100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lens if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	866-430-2775
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

EPA REG. NO. 400-487
EPA EST. NO. 011

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749
Phone: 203-573-2000



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl, nitrile, neoprene rubber or viton; shoes plus socks.

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

USER SAFETY REQUIREMENTS

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

ENGINEERING CONTROLS

When handlers use closed systems (including water soluble bags), enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

(Water-soluble packets when used correctly qualify as a closed loading system under the WPS. Handlers handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, and socks.)

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users should:

- 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 toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic invertebrate organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters.

This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination or water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

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.

Precautions for water soluble package:

Do not sell individual water soluble packages.

Do not handle inner package with wet hands or gloves.

Do not allow packages to become wet prior to adding to the spray tank.

Handle outer container carefully to avoid breakage of inner water soluble packages.

Always reseal outer container in a manner that protects remaining water soluble packages from moisture.

Do not remove the water soluble packages from the container except for immediate use.

Use the entire contents of a water soluble package, do not break open to use partial contents of water soluble package.

Water soluble package must be completely dissolved before adding products containing boron to spray mixtures. If adding MICROMITE 80WGS to spray solutions already containing boron, the water soluble packages must be pre-dissolved in water in a separate container, and then added to the spray solution.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE — Store in a dry location.

PESTICIDE DISPOSAL — Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL — Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. Offer for recycling, if available.

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, and greenhouses, and handlers 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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 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, is:

- coveralls over long-sleeved shirt and long pants
- chemical-resistant footwear and chemical-resistant gloves (such as Nitrile, Butyl, Neoprene, Barrier Lamine or Viton)
- shoes plus socks.

INSTRUCTIONS AND INFORMATION

Restriction: do not apply this product through any type of irrigation system.

SPRAY DRIFT LABELING

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the [Aerial Drift Reduction Advisory Information](#).

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

- Number of nozzles - Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for the displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

Wind

Drift potential is lowest between wind speed of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

INFORMATION

MICROMITE 80WG is compatible with many commonly used citrus pesticides, crop oils, and nutritional sprays. However, because of the large number of possible tank mixes, pre-test to assure that there is physical and non-phytotoxic compatibility of any proposed mixtures with MICROMITE 80WG.

RESISTANCE MANAGEMENT

When used as directed MICROMITE 80WG provides control of a number of important insect pests. MICROMITE 80WG must be part of an IPM program that follows good management practices that include:

- Scouting regularly and use MICROMITE 80WG against early immature stages for best results
- Always follow the label rate and timing directions
- Use chemical alternatives such as oil and preserve beneficial arthropods as part of an IPM program
- Maintain good coverage of all leaf surfaces with adequate water volume
- Alternate treatments to classes of insecticides with different modes of action

RESTRICTIONS

Do not apply more than 18.75 ounces of MICROMITE 80WG per acre per year. Do not apply within 21 days of harvest. Do not harvest cover crops for animal feed or graze livestock in treated groves. Repeat applications no closer than 90 days apart.

Ground Application: Do not apply within 25 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries. **In the State of Florida**, do not apply within 100 feet of estuarine/marine bodies of water. Spray last three rows windward of surface water using nozzles on one side only, with spray directed away from surface water. Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove when spraying the outside row. Shut off nozzles when turning at ends of rows and passing tree gaps in rows.

Aerial Application: Do not apply within 150 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries. **In the State of Florida**, do not apply within 1000 feet of estuarine/marine bodies of water.

DIRECTIONS FOR USE

Spray Volumes: Use sufficient spray volume for thorough coverage of leaf surfaces (ground = 50 to 1,000 gallons per acre; aerial = 5 to 20 gallons per acre).

Crops	Pests	Application Rate (oz/acre)	DIRECTIONS FOR USE
Oranges Grapefruit Tangerine Pummelos/ Pomelos and their hybrids	Asian Citrus Psyllid (<i>Diaphorina Citri</i>)	6.25	Apply MICROMITE 80WG at 6.25 ounces per acre (2 water soluble pouches) to immature citrus leaf flushes when psyllids are first observed in trees. The addition of a spray oil, such as FC435-66, enhances coverage and may enhance control of Asian citrus psyllid nymphs. MICROMITE 80WG will not kill adult stages of Asian citrus psyllid. MICROMITE 80WG has activity on immature forms.
	Citrus Rust Mite	6.25	Apply MICROMITE 80WG at 6.25 ounces per acre (2 water soluble pouches) in sufficient water to ensure thorough coverage (50 - 1,000 gallons per acre by ground application; 5 to 20 gallons per acre by aerial application). Micromite has activity on eggs and nymphal stages of citrus rust mites. Adults that have passed all molting stages are not susceptible to MICROMITE. The full effect of MICROMITE 80WG may not be apparent for 3 - 10 days after application.
	Lepidopterous Miners: Citrus Leafminer (<i>Phyllocnistis citrella</i>)	6.25	Apply MICROMITE 80WG at 6.25 ounces per acre (2 water soluble pouches) when oviposition begins on new growth flush. The addition of a spray oil, such as FC435-66, enhances coverage and may enhance control of citrus leafminers. MICROMITE 80WG will not kill adult stages of leafminers. MICROMITE 80WG has activity on eggs, larval and pupal stages.
	Lepidopterous Miners: Citrus Peelminer (<i>Marmara</i> spp.)	6.25	Apply MICROMITE 80WG at 6.25 ounces per acre (2 water soluble pouches) when oviposition begins on peel surface. The addition of a spray oil, such as FC435-66, enhances coverage and may enhance control of peelminers. MICROMITE 80WG prevents development of peelminer eggs laid on protected fruit tissues. Protection may last only a few weeks; when new tissue is exposed on rapidly expanding fruit.

Crops	Pests	Application Rate (oz/acre)	DIRECTIONS FOR USE
Oranges Grapefruit Tangerine Pummelos/ Pomelos and their hybrids	Citrus Root Weevil Complex	6.25	<p>Apply MICROMITE 80WG at 6.25 ounces per acre (2 water soluble pouches) to control citrus root weevil species, which include the West Indian sugarcane rootstock borer weevil (<i>Diaprepes abbreviatus</i>), the southern blue-green citrus root weevil (<i>Pachnaeus litus</i>), the blue-green citrus weevil (<i>Pachnaeus opalus</i>), the Fuller rose beetle (<i>Asynonychus godmani</i>), and the little leaf notcher (<i>Artipus floridanus</i>).</p> <p>Apply MICROMITE 80WG to newly expanded flush on citrus and/or when adult weevils are present.</p> <p>The addition of a spray oil, such as FC435-66, enhances coverage and penetration of MICROMITE 80WG into the adult weevils and eggs. Also, oil will deter attachment of weevil egg masses to leaf surfaces.</p> <p>MICROMITE 80WG will not kill adult weevils. The activity of MICROMITE 80WG is through ingestion or contact and will result in reduction of the reproductive potential of weevils, it prevents eggs from hatching, thus preventing larvae from entering soil and feeding on citrus tree roots. Also, the grubs from eggs laid on treated leaves are reduced in number.</p>
	Katydid Grasshoppers	6.25	<p>MICROMITE 80WG applied at 6.25 oz/A when katydids and/or grasshoppers are first observed can significantly reduce nymphal populations and egg hatch. It has direct activity on eggs and nymphs by preventing eggs from hatching and nymphs from molting. Adult grasshoppers and katydids that feed on or contact treated surfaces produce fewer eggs that hatch, reducing pest populations. The performance of MICROMITE 80WG is highly dependent upon the timeliness of its application as well as overall spray coverage.</p> <p>The addition of petroleum spray oil, such as FC435-66, enhances spray coverage and penetration of MICROMITE 80WG into katydid or grasshopper eggs, nymphs and adults, improving activity on each life stage.</p>

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, **but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, the buyer assumes the risk of any such use.**

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