Supplemental Labeling

RESTRICTED USE PESTICIDE
Toxic to fish and aquatic organisms.
For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator’s certification.

Active Ingredient: By Wt.
Bifenthrin: (2 methyl[1,1’-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate*........ 10.0%
Other Ingredients: ........................................ 90.0%
...........................................................................100.0%
*Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN
WARNING

ALL APPLICABLE DIRECTIONS,
RESTRICTIONS AND PRECAUTIONS
ON THE EPA REGISTERED LABEL
ARE TO BE FOLLOWED.

This labeling must be in the possession of the user at the time of pesticide application.

Read the label affixed to the container for Brigade WSB Insecticide/Miticide before applying. Carefully follow all precautionary statements and application use directions.

Use of Brigade WSB according to this supplemental labeling is subject to all use precautions and limitations imposed by the labeling affixed to the container for Brigade WSB Insecticide/Miticide.

STORAGE AND 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. Do not store at temperatures below 32°F (0°C). Rough handling may cause breakage, especially at low temperatures. Allow to warm above 50°F (10°C) before use. Do not allow inner bags to become wet during storage. Do not handle inner bag with wet hands or wet gloves. Do not put concentrate or diluted material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.
Call FMC: (800) 331-3148.
To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Pesticide and Container Handling
Non-refillable container: Do not reuse or refill this container. When all water soluble bags are used, the outer package should be clean and may be disposed of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. If outer container contacts formulated product in anyway, it must be triple rinsed with clean water. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and close tightly. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

BrigadeWSB_Supp_09-27-2012
**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 intervals. 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 the restricted-entry interval (REI) of 12 hours.

Use this product only in accordance with its labeling and with the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: Coveralls; Waterproof gloves; and Shoes plus socks.

**BUFFER ZONES**

**Vegetative Buffer Zones**

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.


**Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast)** – Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for ULV Aerial Application** – Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for Non-ULV Aerial Application** – Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Spray Drift Requirements**

**Wind Direction and Speed**

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph.

**Temperature Inversion**

Do not make aerial or ground applications into temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

**Droplet Size**

Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

**Additional Requirements for Ground Applications**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

**Additional Requirements for Aerial Applications**

The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

**Grass Forage, Fodder, and Hay Group and Grass Grown for Seed, Pasture and Rangeland (including: bahiagrass, barnyardgrass, bentgrass, Bermudagrass, Kentucky bluegrass, big bluestem, smooth bromegrass, buffalograss, reed canarygrass, centipedegrass, crabgrass, cupgrass, dallisgrass, sand dropseed, Kentucky fescue, meadow foxtail, eastern gramagrass, side-oats grama, guinea grass, Indian grass, Johnsongrass, lovegrass, napiergrass, oatgrass, orchardgrass, pangolagrass, paspalum, redtop, Italian ryegrass, St. Augustine grass, dragontop, squireltaiglgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass and zoysia grass. Also included are sudangrass and sorghum forages and their hybrids.)**

**NOTE:** Uses on grasses are limited to the States of Idaho, Oregon, and Washington.
<table>
<thead>
<tr>
<th>Insects Controlled</th>
<th>Rate of Application</th>
<th>Method of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa Caterpillar</td>
<td>5.3 to 16.0 oz/A</td>
<td>Apply as insects appear in sufficient volume of water to ensure thorough coverage of foliage. Use higher recommended dosage for increased pest pressure or for increased residual pest control. Do not exceed maximum allowable rate.</td>
</tr>
<tr>
<td>Alfalfa Looper</td>
<td></td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment. Higher volumes of finished spray may improve insect control under high temperatures, when foliage is dense and/or when insect pressure is high.</td>
</tr>
<tr>
<td>Alfalfa Weevil</td>
<td></td>
<td>Apply as insects appear in sufficient volume of water to ensure thorough coverage of foliage. Use higher recommended dosage for increased pest pressure or for increased residual pest control. Do not exceed maximum allowable rate.</td>
</tr>
<tr>
<td>Blue Alfalfa Aphid ¹</td>
<td>(0.033 to 0.1 lb ai/A)</td>
<td></td>
</tr>
<tr>
<td>Cutworms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Egyptian Alfalfa Weevil (larvae &amp; adult)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flea Beetles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green Cloverworm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green Peach Aphid ¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hornworms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meadow Spittlebug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pea Aphid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potato Leafhopper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spotted Alfalfa Aphid ¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Threecornered Alfalfa Hopper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Velvetbean Caterpillar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weevors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm, southern</td>
<td>8.0 to 16.0 oz/A</td>
<td></td>
</tr>
<tr>
<td>Armyworm, yellowstriped Ant spp.</td>
<td>(0.05 to 0.1 lb ai/A)</td>
<td></td>
</tr>
<tr>
<td>Cereal Leaf Beetle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chinch Bug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cricket</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grass Mealybug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grasshoppers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Range Caterpillar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stink Bugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworm, fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black Grass Bug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hunting Bill Bug</td>
<td>16.0 oz/A</td>
<td></td>
</tr>
<tr>
<td>Plant Bug spp.</td>
<td>(0.1 lb ai/A)</td>
<td></td>
</tr>
</tbody>
</table>

Do not apply more than 0.2 lbs active ingredient per acre per season.
Do not make applications less than 14 days apart.
Applications may be made up to 30 days prior to harvest for forage and hay.

¹Aphid control may be variable depending on species present and host-plant relationships.

**Dealers Should Sell in Original Packages Only.**

**Conditions of Sale and Limitation of Warranty and Liability:**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of the user or FMC or Seller. All such risks shall be assumed by the User and Seller agrees to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. To the extent consistent with applicable law, FMC makes no warranties of merchantability or of fitness for a particular purpose, nor any other express or implied warranties with respect to the selection, purchase, or use of this product. Any warranties, express or implied, having been made are inapplicable if this product has been contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) the user or FMC, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

FMC and Brigade are registered trademarks of FMC Corporation.

© 2005-2012 FMC Corporation. All rights reserved.
2012-09-27 279-3108 supp label revision