EPA Reg. No. 279-3108
EPA Est. 279-NY-1

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.

Container Disposal
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

Brigade WSB Supplemental Label CA 2-11-09
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 through any type of irrigation system.

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.

### 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, 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, 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, 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 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.

**BUFFERS ZONES**

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**FRUITING VEGETABLES**

**Crop** | **PEST** | **Dosage**<sup>+</sup> oz/A (lb ai/A) | **REMARKS**
--- | --- | --- | ---
Eggplant | Aphids, Leafhoppers | 5.3 to 12.8 (0.033 to 0.08) | Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control.
Pepper (Bell & Non-Bell) | Lygus Spp., Mite | 12.8 (0.08) | Do not apply more than 0.5 lb. active ingredient per acre per season.
Groundcherry | Pacific Spider Mite | 12.8 (0.08) | Do not apply less than 7 days apart.
Pepperino | Vegetable Leafminer, Whitefly | 12.8 (0.08) | Do not apply within 1 day of harvest.

<sup>1</sup> 1 bag = 0.05 lb ai = 8 oz formulated product

**FOOD INSECTICIDES**

**CROP** | **PEST** | **Dosage**<sup>+</sup> oz/A (lb ai/A) | **REMARKS**
--- | --- | --- | ---
Blueberry, highbush and lowbush | Blueberry maggot, Fruitworms, Lecanium scale (crawlers), Plum curculio, Oblong-tailed leafroller, Red band ed leafroller, Variegated leafroller, Appleleaf Spanworm, Leafhoppers, Aphids | 5.3 – 16.0 (0.033 – 0.10) | Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control.
Tomato | Aphids | 5.3 (0.033) | Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control.

<sup>1</sup> 1 bag = 0.05 lb ai = 8 oz formulated product
### LEAFY PETIOLE VEGETABLES

<table>
<thead>
<tr>
<th>CROP</th>
<th>PEST</th>
<th>Dosage* (oz/A (lb ai/A))</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celery</td>
<td>Cutworms</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Cardoon</td>
<td>Corn Earworm</td>
<td>3.3-6.0 (0.033-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Chinese celery</td>
<td>Tobacco</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Cefluse</td>
<td>Saltmarsh</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Florence fennel</td>
<td>Tomato</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Rhubarb</td>
<td>Tobacco</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Swiss chard</td>
<td>Tobacco</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Banks Grass Mite</td>
<td>Tobacco</td>
<td>12.8 - 16.0 (0.08 - 0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Mange tout</td>
<td>Tobacco</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
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<tr>
<td>MAYHAWW</td>
<td>Tobacco</td>
<td>12.8-16.0 (0.08-0.10)</td>
<td>Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb. active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</td>
</tr>
</tbody>
</table>

### TREE NUT CROPS

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pest</th>
<th>Dosage* (oz/A (lb ai/A))</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almond</td>
<td>Black Pecan Aphid</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Application by ground: Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) spray in sufficient water to provide thorough coverage.</td>
</tr>
<tr>
<td>Beech nut</td>
<td>Cockling Moth</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Application by air: Apply the specified dosage in a minimum of 10 gallons of finished spray per acre.</td>
</tr>
<tr>
<td>Brazil nut</td>
<td>Filbert Worm</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Butternut</td>
<td>Hickory Shuckworm</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Cashew</td>
<td>Walnut Aphid</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Chestnut</td>
<td>Yellow Pecan Aphid</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Chinquapin</td>
<td>Black Pecan Aphid</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Filbert (hazelnut)</td>
<td>Asian long-necked galls</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Hickory nut</td>
<td>Pecan Leaf Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Macadamia nut (bush nut)</td>
<td>Pecan Nut Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Plant Bug</td>
<td>Pecan Phylloxera</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Pistachio</td>
<td>Pecan Phylloxera</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Walnut (black and English)</td>
<td>Pecan Nut Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>European Red</td>
<td>Black Pecan Aphid</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Red Mist</td>
<td>Pecan Leaf Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Fire Aths</td>
<td>Pecan Leaf Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Pecan Wreevi</td>
<td>Pecan Leaf Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Spider Mites</td>
<td>Pecan Leaf Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
<td>Minimum Spray Intervals: Apply Brigade WSB as needed to maintain control, but do not apply at intervals sooner than 15 days.</td>
</tr>
<tr>
<td>Yellow Pecan</td>
<td>Pecan Leaf Casebearer</td>
<td>8.0 to 32.0 (0.05 to 0.20)</td>
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*1 bag = 0.05 lb ai = 8 oz formulated product
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 or FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree 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) seller 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.

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