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 those uses covered by the certified applicator’s certification.

**Mustang Insecticide**

EPA Reg. No. 279-3126       EPA Est. 279-NY-1

Active Ingredient:        By Wt.

* S-Cyano (3-phenoxypyphenyl)methyl
(±) cis/trans 3-(2,2-dichloroethyl) -
2,2 dimethylcyclopropane carboxylate** ...............17.1%

Inert Ingredients .............................. 82.9%

100.0%

* Contains 1.5 pounds active ingredient per gallon.
** Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans

KEEP OUT OF REACH OF CHILDREN
WARNING
AVISO
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**FIRST AID**

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on 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.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

HOTLINE NUMBER
Have the product container or label with you when calling a poison control center or doctor. You may also contact 1-800-331-3148 for emergency medical treatment information.

Note to Physician: Vomiting should be supervised by a physician or the professional staff because of the possible pulmonary damages by aspiration of the solvent.

For Emergency Assistance Call (800) 331-3148.
See other pages for additional precautionary information.

**PRECAUTIONARY STATEMENTS**

Hazard to Humans (and Domestic Animals)

Warning

May be fatal if swallowed. Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. The active ingredient may cause sensitization reaction in some individuals.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

 Handlers who may be exposed to the dilute through application or other tasks must wear: Long-sleeved shirt and long pants, Chemical-resistant gloves, such as Barrier Laminate or Viton, and Shoes plus socks.

 Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear: Long-sleeved shirt and long pants, Chemical-resistant gloves, such as Barrier Laminate or Viton, Shoes plus socks, and Protective eyewear.

 Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

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.

Environmental Hazards

This product is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops if bees are visiting the treatment area.

Physical/Chemical Hazards

Do not use or store near heat or open flame.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

Net Contents: 1 Gallon

Mustang 10-22-10
DIRECTIONS FOR USE
REstricted USE PESTICIDE

It is a violation of Federal law to use this product in a manner inconsis -
tent with its labeling.

Resistance. Some insects are 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 resist -
ance management strategies established for the use area. Consult your
local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other
products with a similar mode of action, may not provide adequate con-
trol. If poor performance cannot be attributed to improper application or
extreme weather conditions, a resistant strain of insect may be present.

If you experience difficulty with control and resistance is a reasonable
cause, immediately consult your local company representative or agri-
cultural advisor for the best alternative method of control for your area.

SHAKE WELL BEFORE USING

Do not apply this product in a way that will contact workers or other per-
sons, 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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the
Worker Protection Standard, 40 CFR part 170. This Standard con-
tains requirements for the protection of agricultural workers on
farms, forests, nurseries, and greenhouses, and handlers of agricul-
tural pesticides. It contains requirements for training, decontamina-
tion, notification, and emergency assistance. It also contains specif-
ic 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 any-
thing that has been treated, such as plants, soil, or water, is:
Coveralls, Chemical-resistant gloves, such as Barrier Laminate or
Viton, and Shoes plus socks.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed, or other pesticides or fer-
tilizers by storage and disposal.

Pesticide Storage

Do not freeze. 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. Do not put concentrate or dilute material into food or
drink containers.

In case of spill, avoid contact, isolate area and keep out animals
and unprotected persons. Confine spills. Call CHEMTREC
(Transportation and Spills): (800) 424-9300.

To confine spill: Dike surrounding area or absorb with sand, cat litter,
or commercial clay. Place damaged package in a holding con-
tainer. Identify contents.

Pesticide Disposal

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

Container Handling - Nonrefillable Container. Do not reuse or
refill this container. Triple rinse container (or equivalent) promptly
after emptying. Triple rinse as follows: For containers equal to 5
gallons or less: Empty the remaining contents into application
equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap.
Shake for 10 seconds. Pour rinsate into application equipment or a
mix tank or store rinsate for later use or disposal. Drain for 10 sec-
tonds after the flow begins to drip. Repeat this procedure two more
times. For containers greater than 5 gallons: Empty the remain-
ing contents into application equipment or a mix tank. Fill the con-
tainer 1/4 full with water. Replace and tighten closures. Tip contain-
er on its side and roll it back and forth, ensuring at least one compl-
ete revolution, for 30 seconds. Stand the container on its end and
tip it back and forth several times. Turn the container over onto its
other end and tip it back and forth several times. Empty the rinsate
into application equipment or a mix tank or store rinsate for later
use or disposal. Repeat this procedure two more times. Then offer
for recycling if available or reconditioning if appropriate, or puncture
and dispose of in a sanitary landfill, or incineration, or, if allowed by
state and local authorities, by burning. If burned, stay out of smoke.

Refillable/Returnable Container. Refill this container with pesti-
cide only. Do not reuse this container for any other purpose.
Cleaning the container before final disposal is the responsibility of
the person disposing of the container. Cleaning before refilling is
the responsibility of the refiller. To clean the container before final
disposal, empty the remaining contents from this container into
application equipment or mix tank. Fill the container about 10% full
with water. Agitate vigorously or recirculate water with the pump for
2 minutes. Pour or pump rinsate into application equipment or rin-
sate collection system. Repeat this rinsing procedure two more
times. Then offer for recycling if available or reconditioning if appro-
priate, or puncture and dispose of in a sanitary landfill, or incineration,
or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Chemigation Use Directions

Apply this product only through sprinkler including center pivot, lateral
move, end tow, side (wheel) row, trailer, big gun, solid set, or hand
move irrigation systems. Do not apply this product through any other
type of irrigation system. Do not connect any irrigation system (includ-
ing greenhouse systems) used for pesticide application to a public water
system.

Crop injury, lack of effectiveness, or illegal residues in the crop can
result from nonuniform distribution of treated water. If you have ques-
tions about calibration, you should contact State Extension Service spe-
cialists, equipment manufacturers, or other experts. A person knowl-
edgeable of the chemigation system and responsible for its operation,
or under the supervision of the responsible person, shall shut the sys-
tem down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve,
and low pressure drain appropriately located on the irrigation pipeline to
prevent water source contamination from backflow.

The pesticide injection pipeline must also contain a functional, automatic,
quick-closing check valve to prevent the flow of fluid back toward the
injection pump.

The pesticide injection pipeline must also contain a functional, normally
closed, solenoid-operated valve located on the intake side of the injec-
tion pump and connected to the system interlock to prevent fluid from
being withdrawn from the supply tank when the irrigation system is
either automatically or manually shut down.

The system must contain functional interlocking controls to automatical-
ly shut off the pesticide injection pump when the water pump motor
stops.

The irrigation line or water pump must include a functional pressure
switch which will stop the water pump motor when the water pressure
decreases to the point where pesticide distribution is adversely affect-
ed.
Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Mustang® insecticide should be applied continuously for the duration of the water application. Mustang® should be diluted in sufficient volume to insure accurate application over the area to be treated. Use the appropriate amount of water to carry the product to the target pest. Agitation is not required when a suitable diluent is used.

**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 zeta-cypermethrin 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, permanent 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, permanent 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, permanent 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 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 shall 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.

**GENERAL INSTRUCTIONS**

Use low rate under light to moderate infestation. Higher rates should be used under heavy insect pressure. The rate of application is variable according to insect pressure, timing of spray and field scouting.

Under hot and dry conditions, increase the spray volume and add appropriate spray adjuvant, but only to those crops which have previously demonstrated a tolerance to the adjuvant(s) under these conditions.

**Preventive Use**

For cutworm, armyworm, or stalk borer control. Mustang insecticide may be applied before, during, or after planting. For soil-incorporated applications, use higher rates for improved control.

**Rotational Crops**

With the exception of the crops listed below, rotational crops should not be planted within 30 days of last application.

**Tank-Mixture**

Mustang Insecticide may be applied in tank mixtures with other products approved for use on Alfalfa and Nongrass Animal Feeds; Berries; Brassica Vegetables; Bulb Vegetables; Canola (Rapeseed); Corn; Cotton; Cucurbit Vegetables; Fruiting Vegetables; Grapes; Grass Forage, Fodder and Hay and Grass Grown for Seed; Leafy Vegetables; Legume Vegetables; Peanut; Pome Fruits; Rice; Root and Tuber Vegetables; Sorghum; Soybeans; Stone Fruits; Sugar Beet; Sunflower; Tree Nuts; and Wheat. Observe all restrictions and precautions which appear on the labels of these products. Test for compatibility of products before mixing.

**Maximum Usage When Applying Both Zeta-Cypermethrin and Cypermethrin Products to the Same Crop Within the Same Season.**

Do not apply more than the combined maximum seasonal total for either product when used alone, and do not apply more than the combined maximum seasonal total for both products as outlined in the table below.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Zeta-cypermethrin</th>
<th>Cypermethrin</th>
<th>Zeta-cypermethrin* plus Cypermethrin**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cotton</td>
<td>0.3</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Head and Stem Brassica</td>
<td>0.3</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Leafy Brassica Greens</td>
<td>0.3</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>Head Lettuce</td>
<td>0.3</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Bulb Vegetables</td>
<td>0.25</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Pecans</td>
<td>0.3</td>
<td>0.6</td>
<td>0.6</td>
</tr>
</tbody>
</table>

* Fury or Mustang (1.5 EC or 1.5 EW); Mustang MAX (0.8 EC or 0.8 EW).
** Any cypermethrin product approved for crop use, including Ammo®
Maximun Seasonal Usage and PHI (Pre-Harvest Interval) for Mustang Labeled Crops

<table>
<thead>
<tr>
<th>Crop</th>
<th>Maximum Seasonal Usage/Acre for Mustang</th>
<th>PHI (days)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lbs/Ac</td>
<td>Fz oz</td>
</tr>
<tr>
<td>Alfalfa</td>
<td>0.05/cutting</td>
<td>4.3</td>
</tr>
<tr>
<td>Nongrass Animal Feeds (Forage, Fodder, Straw and Hay) Group</td>
<td>0.15/season</td>
<td>12.9</td>
</tr>
</tbody>
</table>

The REI (Restricted Entry Interval) is 12 hours for all labeled crops. For the Berries Crop Group, the PHI is 1 Day. For the Brassica Vegetables Crop Group, the PHI is 1 Day, with variations for specific species.

The Limitations: Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season.

Applications may be made up to 3 days of cutting or grazing or up to 7 days of harvesting seed.

Maximum Seasonal Usage for each Crop Group:

<table>
<thead>
<tr>
<th>Crop Group</th>
<th>Maximum Seasonal Usage/Acre for Mustang</th>
</tr>
</thead>
</table>

For the Nongrass Animal Feeds (Forage, Fodder, Straw and Hay) Group, the maximum usage is limited depending on the specific crop.

For the Berries Crop Group, the maximum usage is limited to 7 days.

For the Brassica Vegetables Crop Group, the maximum usage is limited to 1 day.

The Insects Controlled and Method of Application are as follows:

**Insects Controlled**
- Alfalfa Caterpillar
- Alfalfa Loopers
- Alfalfa Weevils
- Cutworms
- Egyptian Alfalfa Weevil (larvae & adult)
- Flea Beetles
- Green Cloverworm
- Horntails
- Meadow Spittlebug
- Potato Leafhopper
- Velvetbean Caterpillar
- Webworms
- Blue Alfalfa Aphid
- Green Peach Aphid
- Pea Aphid
- Spotted Alfalfa Aphid
- Three-cornered Alfalfa Hopper
- Armyworms
- Grasshoppers
- Plant Bugs (including Lygus spp. & Stink Bugs)

**Rate of Application**
- 2.4 to 4.3 ounces (0.028 to 0.05 pound active) per acre

**Method of Application**
- 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.
- Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment.
- ULV oil spray application is prohibited.
- Higher volumes of finished spray may improve insect control under high temperatures, when foliage is dense and/or when insect pressure is high.

For the Head and Stem Brassica Vegetables, the maximum usage is limited to 2.4 to 4.3 ounces (0.028 to 0.05 pound active) per acre.

For the Berries, the maximum usage is limited to 4.3 ounces (0.05 pound active) per acre.

The Do Not Use Periods are as follows:

- Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season.
- Do not make applications less than 7 days apart.

The Nutritional Information for the crops is not provided in the image.
Citrus Fruits Crop Group (1 Day PHI) including: Calamondin (Citrus mitis; Citrofortunella mitis); Citrus citron (Citrus medica); Citrus hybrids (Citrus spp.) (includes chironja, tangelo, tangor); Grapefruit (Citrus paradisi); Kumquat (Fortunella spp.); Lemon (Citrus x limon; Citrus limon); Lime (Citrus aurantifolia); Mandarin (tangerine) (Citrus reticulata); Orange, sour (Citrus aurantium); Orange, sweet (Citrus sinensis); Pummelo (Citrus grandis, Citrus maxima); and Satsuma mandarin (Citrus unshiu).

### Insects Controlled

<table>
<thead>
<tr>
<th>Insects Controlled</th>
<th>Rate of Application</th>
<th>Method of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian Cockroach</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beet Armyworm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blue-Green Citrus Root Weevil</td>
<td>4.3 ounces (0.05 pound active) per acre</td>
<td>Apply by ground equipment using sufficient water to obtain full coverage of foliage in a minimum of 20 gallons; apply by air in a minimum of 10 gallons per acre. Begin applications when pest activity is noted.</td>
</tr>
<tr>
<td>Cutworms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Ants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuller Rose Beetle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glassy-Winged Sharpshooter</td>
<td>1.4 to 2.8 ounces (0.02 to 0.04 pound active) per acre</td>
<td>Apply by air or by ground equipment using sufficient water to obtain full coverage of foliage in a minimum of 20 gallons; apply by air in a minimum of 10 gallons per acre. Do not apply more than 1.72 ounces of product or 0.20 pounds of active ingredient per acre per season. Do not make applications less than fourteen days apart.</td>
</tr>
<tr>
<td>Grasshopper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Katydid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafhoppers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafminers- Little Leaf Notcher</td>
<td>3.0 to 4.3 ounces (0.03 to 0.05 pound active) per acre</td>
<td>Apply at minimum 3 to 5 day intervals as needed. Do not apply within 3 days of harvest of ears or forage or livestock grazing.</td>
</tr>
<tr>
<td>Loopers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange Tortrix</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orangestalk Caterpillars</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Apply by air or by ground equipment using sufficient water to obtain full coverage of foliage in a minimum of 20 gallons; apply by air in a minimum of 10 gallons per acre. Do not exceed maximum allowable rate. Do not apply more than 17.2 ounces of product or 0.20 pounds of active ingredient per acre per season. Do not apply within 30 days of harvest for grain and stover and 60 days for forage.</td>
</tr>
<tr>
<td>Plantbugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psyllids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thrips</td>
<td></td>
<td></td>
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<tr>
<td>Whiteflies</td>
<td></td>
<td></td>
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</tbody>
</table>

### Corn, Sweet (3 day phi)

<table>
<thead>
<tr>
<th>Insects Controlled</th>
<th>Rate of Application</th>
<th>Method of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinch Bug</td>
<td>2.4 to 4.3 ounces (0.028 to 0.05 pound active) per acre</td>
<td>Apply with ground or air equipment using sufficient water and application methods to ensure thorough coverage of foliage.</td>
</tr>
<tr>
<td>Corn Rootworm (Adult)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corn SIlky</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutworms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flea Beetle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grasshoppers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japanese Beetle (Adult)</td>
<td>3.0 to 4.3 ounces (0.035 to 0.05 pound active) per acre</td>
<td>Apply by air or by ground equipment using sufficient water to obtain full coverage of foliage in a minimum of 20 gallons; apply in ground equipment and a minimum of 2 gallons per acre by air. Do not apply more than 17.2 ounces of product or 0.20 pounds of active ingredient per acre per season. Do not apply within 3 days of harvest of ears or forage or livestock grazing.</td>
</tr>
<tr>
<td>Japanese Beetle (adult)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafhoppers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Little Leaf Notcher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loopers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange Tortrix</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orangestalk Caterpillars</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Apply by air or by ground equipment using sufficient water to obtain full coverage of foliage in a minimum of 20 gallons; apply by air in a minimum of 10 gallons per acre. Do not exceed maximum allowable rate. Do not apply more than 17.2 ounces of product or 0.20 pounds of active ingredient per acre per season. Do not apply within 30 days of harvest for grain and stover and 60 days for forage.</td>
</tr>
<tr>
<td>Plantbugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psyllids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thrips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whiteflies</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Corn, Field

<table>
<thead>
<tr>
<th>Insects Controlled</th>
<th>Rate of Application</th>
<th>Method of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutworms</td>
<td>0.16 fluid ounces per 1,000 linear feet of row (0.002 pound active) per 1,000 linear feet of row</td>
<td>Apply as an in-furrow, band or T-band treatment using a minimum 4&quot; band. Use table below to determine the Mustang needs for each acre.</td>
</tr>
<tr>
<td>Row Spacings (inches)</td>
<td>40</td>
<td>30</td>
</tr>
<tr>
<td>Mustang (pounds ai per acre)</td>
<td>0.024</td>
<td>0.036</td>
</tr>
<tr>
<td>Mustang (formulated ounces per acre)</td>
<td>2.05</td>
<td>3.08</td>
</tr>
</tbody>
</table>

### Insects Controlled

<table>
<thead>
<tr>
<th>Insects Controlled</th>
<th>Rate of Application</th>
<th>Method of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armyworms (including Fall Armyworms)</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Mustang may only suppress heavy infestations and/or subsequent migrations. Do not apply within 30 days of harvest for grain and stover and 60 days for forage.</td>
</tr>
<tr>
<td>Glassy-Winged Sharpshooter</td>
<td>1.4 to 3.8 ounces (0.018 to 0.035 pound active) per acre</td>
<td>Make applications when insect populations reach economic threshold levels. Refer to local Cooperative Extension Pest Management Guidelines and/or scouting results. Do not exceed maximum allowable rate.</td>
</tr>
<tr>
<td>Western Bean Cutworm</td>
<td>2.9 to 4.3 ounces (0.034 to 0.05 pound active) per acre</td>
<td>For corn bug control, scout corn fields and make applications when bugs migrate from small grains or wild grasses to small corn. Direct spray to the base of the plant. Repeat applications at 3 to 5 day intervals if needed. Mustang may only suppress heavy infestations and/or subsequent migrations.</td>
</tr>
</tbody>
</table>

### Method of Application

1. For control before the larva bores into the plant stalk or ear.
2. See resistance statement under "Directions for Use" section.
3. Control may be variable depending on species present and host-plant relationships.
Cotton (14 day PHI)

<table>
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<tr>
<th>Insects Controlled</th>
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</thead>
<tbody>
<tr>
<td><strong>Preemergent Use:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutworms</td>
<td>1.4 to 2.0 ounces (0.016 to 0.024 pound active) per acre</td>
<td>Use Mustang in the time period from 14 days prior to planting up to emergence of the crop. Apply as a broadcast spray by ground or air, banding (including T-band) or in-furrow spray using sufficient spray volume to achieve adequate coverage. Reduced volumes of water may be used with specialized equipment. Use the higher rates of Mustang when incorporating into the soil.</td>
</tr>
<tr>
<td>Cutworms Tobacco Thrips Soybean (banded Thrips)</td>
<td>1.4 to 2.0 ounces (0.016 to 0.024 pound active) per acre</td>
<td>Mustang may be applied in water or refined vegetable oil. When water is used, apply a minimum of one gallon of finished spray per acre by air or five gallons of finished spray with ground equipment. When applying in water by air, one quart of emulsified oil may be substituted for one quart of water in the finished spray. When using oil, use a minimum of one quart per acre in the finished spray. Control of lepidopteran eggs may be achieved with proper timing of applications. For boll weevil control, apply Mustang at a 3 to 4 day interval until pest numbers are reduced to acceptable levels. For control of grasshoppers, applications should be made based on careful field scouting. Treatment decisions should be made based on evidence of feeding damage and presence of grasshoppers in cotton. Loss of cotyledon leaves in seedling cotton should be considered more important than leaf loss in older cotton. Applications should be made on a broadcast basis since grasshopper are highly mobile. Do not exceed maximum allowable rate. Adjust rates based on populations of grasshopper found in fields. Applications should be made on a three to five day schedule until grasshopper populations are under control or until foliage loss subsides. Increase application rates as grasshopper size and population density increases.</td>
</tr>
<tr>
<td>Armyworm, Beet^1</td>
<td>3.0 to 4.3 ounces (0.035 to 0.05 pound active) per acre</td>
<td>Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season. Do not make applications less than seven days apart.</td>
</tr>
<tr>
<td>Armyworm, Cabbage Looper, Corn Borer, European Cotton Bollworm Cotton Flea Hopper Cotton Leaf Perforator Pink Bollworm Saltmarsh Caterpillar Stink Bugs Tarnished Plant Bug Other Plant Bugs Tobacco Budworm</td>
<td>2.8 to 3.8 ounces (0.033 to 0.045 pound active) per acre</td>
<td>Controlled</td>
</tr>
</tbody>
</table>

Cucurbit Vegetables Group (1 day PHI) including: Chayote (fruit); Chinese Waxgourd (Chinese Preserving Melon); Citron Melon; Cucumber; Gherkin; Gourd (edible) (including hyotan, cucuzza, hechima, Chinese okra); Mormordica spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber); Muskmelon (hybrids and/or cultivars of Cucumis melo) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon); Pumpkin; Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Winter Squash (includes butternut squash, calabaza, hubbard squash, acorn squash, and spaghetti squash); Watermelon (includes hybrids and varieties).

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</tr>
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<tbody>
<tr>
<td><strong>Cucurbit:</strong></td>
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</tr>
<tr>
<td>Aphids</td>
<td>4.3 ounces (0.05 pounds active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air).</td>
</tr>
<tr>
<td>Cutworms Diamondback Moth Loopers Lepidopterous Larvae Flea Beetle Flea Hoppers Grasshopper Plant Bug Stink Bugs Seedpod Weevil Thrips Whitefly Armyworms</td>
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<td></td>
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</tbody>
</table>

A maximum of 25.6 ounces of product or 0.3 pounds of active ingredient may be applied per acre per season. Do not graze or feed cotton for forage. See resistance statement under “Directions for Use” section.

^2For control of beet armyworms only in the high plains of Texas, Arizona, and California.

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

^Aids in control
**Fruiting Vegetables (except Cucurbits) (1 day PHI) including:**
- Eggplant
- Groundcherry (Physalis spp.)
- Okra
- Pepino (Melonpear)
- Sweet pepper
- Bell pepper
- Chili pepper
- Cooking pepper
- Pimiento
- Tomatillo
- Tomato

**Grape (1 Day PHI):**

Insects Controlled | Rate of Application | Method of Application
--- | --- | ---
Aphid spp. & Armyworm, Beet | 3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre | Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air).

**Do not make applications less than 7 days apart.**

Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season.

Aids in control

See resistance statement under "Directions For Use" section.

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

**Grass Forage, Fodder, and Hay Group and Grass Grown for Seed and Pasture and Rangeland (0 day PHI for forage and hay; 7 day PHI for straw and seed screenings) including:**
- Bahiagrass
- Barnyardgrass
- Bentgrass
- Bermudagrass
- Kentucky bluegrass
- Big bluestem
- Smooth bromegrass
- Buffalo grass
- Red top
- Italian ryegrass
- St. Augustine grass
- Sprangletop
- Squirreltailgrass
- Stargrass
- Switchgrass
- Timothy
- Crested wheatgrass
- Wildrye grass
- Zoysia grass

Also included are sudangrass and sorghum forages and their hybrids.

Insects Controlled | Rate of Application | Method of Application
--- | --- | ---
Alfalfa Caterpillar | 2.4 to 4.3 ounces (0.028 to 0.05 pound active) per acre | 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.

Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment.

ULV oil spray application is prohibited. Higher volumes of finished spray may improve insect control under high temperatures, when foliage is dense and/or when insect pressure is high.

**Leafy Vegetables (except Brassica) (1 day PHI) including:**
- Amaranth (leafy amaranth, Chinese spinach, tamarilla)
- Arugula (rocket)
- Cardoon
- Celery
- Chinese Celtecece
- Cervil
- Chrysanthemum
- Edible-leaved and garlic; Cilantro (not for use on cilantro grown for seed or coriander)
- Corn salad
- Cress
- Garden cress
- Cress, upright (yellow rocket, winter cress)
- Dandelion
- Dock (escalette)
- Endive (escarole)
- Fennel
- Finocchio
- Lettuce, head and leaf
- Orach
- Parsley
- Purslane
- Garden purslane
- Purslane
- Winter wild radish

**Do not make applications less than 7 days apart for forage and hay; not less than 17 days for straw and seed screenings.**

Do not spray livestock. Allow application to dry before letting livestock graze on treated area.

A maximum of 4.3 ounces of product or 0.05 pounds of active ingredient per acre may be applied per cutting.

For hay, a maximum of 17.2 ounces of product or 0.20 pounds of active ingredient per acre per season may be applied.

For forage, straw, and seed screenings, a maximum of 21.5 ounces of product or 0.25 pounds of active ingredient per acre per season may be applied.

Applications may be made up to 0 days for forage and hay; 7 days for straw and seed screenings.

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

Insects Controlled | Rate of Application | Method of Application
--- | --- | ---
**Insects Controlled | Rate of Application | Method of Application**
--- | --- | ---
Corn Earworm | 2.4 to 4.3 ounces (0.028 to 0.05 pound active) per acre | Apply in water as necessary for insect control using a minimum of 10 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.

Lower rates of Mustang should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations.

In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum recommended rates may be required.

**Do not make applications less than 7 days apart.**

A maximum of 25.8 ounces of product or 0.3 pounds of active ingredient may be applied per acre per season.

Aids in control

*See resistance statement under "Directions For Use" section.

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

Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season.

Do not make applications less than seven days apart.

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Insects Controlled | Rate of Application | Method of Application
--- | --- | ---
Asian Lady Bird Beetle | 2.15 to 4.3 ounces (0.025 to 0.05 pound active) per acre | Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air).

Do not apply more than 25.8 ounces of product or 0.30 pounds of active ingredient per acre per season.

Do not make applications less than seven days apart.

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Insects Controlled | Rate of Application | Method of Application
--- | --- | ---
Armworms | 3.0 to 4.3 ounces (0.035 to 0.05 pound active) per acre | Apply as insects appear in sufficient volume of water to ensure thorough coverage of foliage.

Higher volumes of finished spray may improve insect control under high temperatures, when foliage is dense and/or when insect pressure is high.

---

Insects Controlled | Rate of Application | Method of Application
--- | --- | ---
**APPLICATION**
--- | --- | ---
**Method of Application**
**Legume Vegetables - Succulent and Dried (except Soybeans)**

1 day PHI for succulent shelled or edible-podded peas or beans
21 day PHI for dried shelled peas or beans

**Succulent Edible-Podded Peas, Succulent Shelled Peas and Dried Shelled Peas (Pisum spp.) including:**
- Dwarf Pea; Edible-pod Pea; Snow Pea; Sugar Snap Pea; Pigeon pea; English Pea; Garden Pea; Green Pea; Lentil.

**Succulent Edible-Podded Beans, Succulent Shelled Beans, and Dried Shelled Beans including:**
- Runner Bean; Snap Bean; Wax Bean; Asparagus Bean; Chinese Longbean; Moth Bean; Yardlong Bean; Jackbean; Soybean (immature seed); Swordbean; Lima Bean; Broad Bean (Fava Bean); Blackeyed Pea; Southern Pea; Grain Lupin; Sweet Lupin; White Lupin; White Sweet Lupin; Field Bean; Kidney Bean; Navy Bean; Pinto Bean; Tepary Bean; Adzuki Bean; Catjang; Cowpea; Crowder Pea; Moth Bean; Mung Bean; Rice Bean; Urd Bean; Chickpea (Garbanzo Bean); Guar; Lablab bean.

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<tr>
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<tbody>
<tr>
<td>Alfalfa Caterpillar, Armyworm, Southern Armyworm, True Armyworm, Yellow-Striped Bean Leaf Beetle, Blistер Beetle spp., Colorado Potato Beetle, Corn Borer, European Corn Borer, Southwestern Corn Earworm, Corn Rootworm Beetle (adult), Cowpea Curculio, Cucumber Beetle, Flea Beetle, Green Cloverworm, Ground Beetles, Imported Cabbageworm, Japanese Beetle, Leaf Skeletonizer spp., Leathopper spp., Leafminers (adults), Mexican Bean Beetle, Pea Weevil, Pea Leaf Weevil, Plant Bug spp., Potato Leafhopper, Seedcorn Beetle, Seedcorn Maggot (adult), Spittlebug, Three-Cornered Alfalfa Hopper, Tobacco Budworm, Velvetbean Caterpillar, Weevorm sp., Woolly Bear Caterpillar</td>
<td>3.0 to 4.3 ounces (0.035 to 0.05 pounds active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air).</td>
</tr>
</tbody>
</table>

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</thead>
</table>
| Aphid spp. 1, 2 | 3.4 to 4.3 ounces (0.04 to 0.05 pounds active) per acre | Do not make applications less than 5 days apart.
Do not apply more than 25.8 ounces of product or 0.3 pounds active ingredient per acre per season. 1 Aids in control
2 See resistance statement under "Directions For Use" section
3 Aphid control may be variable depending on species present and host-plant relationships. |

**Peanut (7 day PHI)**

<table>
<thead>
<tr>
<th>Insects Controlled</th>
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</thead>
<tbody>
<tr>
<td>Cutworm spp., Thistle Caterpillar (Painted Lady), Saltmarsh Caterpillar, Silverspotted Skipper</td>
<td>1.4 to 4.3 ounces (0.016 to 0.05 pounds active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate.</td>
</tr>
</tbody>
</table>

**Pome Fruit Group (14 day PHI) including:**
- Apple; Crabapple; Loquat; Mayhaw; Pear; Oriental Pear; and Quince.

<table>
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<tr>
<th>Insects Controlled</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Apple Maggot, Coddling Moth, European Apple Sawfly, Japanese Beetle, Lesser Appleworm, Oblique Banded Leafroller, Oriental Fruit Moth, Pandemis Leafroller, Pear Psylla, Plum Curculio, Potato Leafhopper, Redbanded Leafroller, Rosy Apple Aphid, Spiro Apple Aphid, Spirea Aphid, Spotted Tentiform Leafminer, Slink Bugs, Tarnished Plant Bug, Tuffed Apple Bud Moth, Variegated Leafroller, White Apple Leahtopper</td>
<td>1.4-4.3 ounces (0.016-0.05 pounds active) per acre</td>
<td>Begin applications at delayed dormant through first cover as common to the production areas and the target pest species. Apply in a full season spray program.</td>
</tr>
</tbody>
</table>

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</thead>
<tbody>
<tr>
<td>Apple; Crabapple; Loquat; Mayhaw; Pear; Oriental Pear; and Quince.</td>
<td>1.4-4.3 ounces (0.016-0.05 pounds active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate.</td>
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</thead>
<tbody>
<tr>
<td>Aphid spp. 1, 2</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pounds active) per acre</td>
<td>Do not apply more than 25.8 ounces of product or 0.3 pounds active ingredient per acre per season. Do not apply as a ULV spray. Do not feed or allow livestock to graze on cover crops from treated orchards.</td>
</tr>
</tbody>
</table>

Do not apply more than 25.8 ounces of product or 0.3 pounds active ingredient per acre per season. 1 Aids in control
2 See resistance statement under “Directions For Use” section
3 Aphid control may be variable depending on species present and host-plant relationships.
### Rice and Wild Rice (14 day PHI)

<table>
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<tr>
<th>Insects Controlled</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Armyworm, Fall Armyworm, True Armyworm, Yellow Striped Grasshoppers Green Bug Leafhopper Sp. Rice Water Weevil (adult) Oat Bird cherry Aphid Wild Rice Worm</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Apply as needed based on pest thresholds determined by scouting practices. Refer to Extension Scouting guidelines for scouting techniques, pest thresholds and treatment timing and treatment intervals. Determine the need for repeat applications, usually at intervals of 7 days, by scouting. Do not exceed maximum allowable rate. Mustang can be safely applied in conjunction with approved rice herbicides.</td>
</tr>
<tr>
<td>Chinch Bug Rice Stink Bug</td>
<td>2.8 to 4.3 ounces (0.033 to 0.05 pound active) per acre</td>
<td>Apply by air or ground equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 5 gallons of water per acre. For increased control, crop oil concentrate at 16 fluid ounces per acre may be used. For control of rice water weevil in dry seeded rice, make a foliar application as indicated by scouting for the presence of adults and/or feeding scars, usually within a time-frame of 0-5 days after permanent flood establishment. Do not exceed 10 days from starting permanent flood until insectsicide application unless scouting indicates adult weevils are not present. Adults may also be treated at later stages of rice development to reduce overwintering populations. For control of rice water weevil in water seeded rice, make the first application after flooding when scouting indicates the presence of adults and/or feeding scars. Application should usually begin when rice has emerged 0.5 inch above the waterline. Under conditions of prolonged migration into the field, start field scouting for rice water weevil adults and/or feeding scars 3-5 days after the initial treatment and, if needed, apply a second application within 7-10 days of the first application. Adults may also be treated at later stages of rice development to reduce overwintering populations. Green bug is known to have many bio-types. Mustang may only provide suppression. If satisfactory control is not achieved with the first application of Mustang, a resistant biotype may be present. Use alternate chemistry for control.</td>
</tr>
</tbody>
</table>

Do not apply more than 0.15 pounds active ingredient per acre per season. Refer to Extension Scouting guidelines for scouting techniques, pest thresholds and treatment timing and treatment intervals. Do not exceed 14 day intervals, by scouting. Do not exceed maximum allowable rate. Mustang can be safely applied in conjunction with approved rice herbicides. Do not apply as an ultra-low volume (ULV) spray.

### Root and Tuber Vegetables Group 1 (except Sugar Beet) (14 day PHI) including: Arracacha; Arrowroot; Artichoke (Chinese and Jerusalem); Garden Beet; Edible Burdock; Edible Canna; Carrot; Cassava (Bitter and Sweet); Celeriac (Celery Root); Chayote (Root); Turnip-Rooted Chervil; Chicory; Chufa; Dasheen (Taro); Ginger; Ginseng; Horseradish; Leren; Turnip-Rooted Parsley; Parsnip; Potato; Oriental Radish (Daikon); Rutabaga; Salsify (Oyster Plant); Black Salsify; Spanish Salsify; Skirret; Sweet Potato; Tanier (Cocoym); Turmeric; Turnip; Yam Bean; and Yam (True).

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<tr>
<th>Insects Controlled</th>
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</thead>
<tbody>
<tr>
<td>Outworm spp.</td>
<td>1.4 to 4.3 ounces (0.016 to 0.05 pounds active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds levels. Do not exceed maximum allowable rate. Do not exceed maximum allowable rate. Do not make applications less than 4 days apart.</td>
</tr>
<tr>
<td>Cabbage Looper European Corn Borer Flea beetle spp. Leafhopper spp. Southern Corn Root worm (adult) Vegetable Weevil Whirligig Beetle (adult)</td>
<td>1.9 to 4.3 ounces (0.022 to 0.05 pounds active) per acre</td>
<td>Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air). Do not make applications less than 4 days apart. Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season. Do not apply as an ultra-low volume (ULV) spray.</td>
</tr>
<tr>
<td>Aphid spp. 1,2 Armyworm, Beet 1,2 Armyworm Colorado Potato Beetle Grasshopper spp. Imported Cabbageworm Potato Leafhopper Tarnished Plant Bug</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Do not apply as an ultra-low volume (ULV) spray.</td>
</tr>
</tbody>
</table>

Do not release floodwater within 7 days of an application. A maximum of 17.2 ounces of product or 0.20 pounds of active ingredient (1.1 pints) may be applied per acre per season. Do not use treated rice field for the aquaculture of edible fish and crustacea. Do not apply as an ultra-low volume (ULV) spray. 1 Aphid control may be variable depending on species present and host-plant relationships.

### Safflower (14 day phi)

<table>
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<tr>
<td>Outworms</td>
<td>4.3 ounces (0.05 pound active) per acre</td>
<td>Apply as needed based on pest thresholds determined by scouting practices. Refer to Extension Scouting guidelines for scouting techniques, pest thresholds and treatment timing and treatment intervals. Determine the need for repeat applications, at a minimum of 14 day intervals, by scouting. Do not exceed maximum allowable rate. Do not apply as an ultra-low volume (ULV) spray.</td>
</tr>
</tbody>
</table>

A maximum of 0.15 pounds active ingredient per acre per season may be applied.

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Do not release floodwater within 7 days of an application. A maximum of 17.2 ounces of product or 0.20 pounds of active ingredient (1.1 pints) may be applied per acre per season. Do not use treated rice field for the aquaculture of edible fish and crustacea. Do not apply as an ultra-low volume (ULV) spray. 1Aphid control may be variable depending on species present and host-plant relationships.
**Sod Farms (0 day PHI) including:** bahiagrass, barnyardgrass, bent-grass, Bermudagrass, Kentucky bluegrass, big bluestem, smooth bromegrass, buffalo grass, reed canarygrass, centipedegrass, crab-grass, cupgrass, dallisgrass, sand dropseed, Kentucky fescue, meadow foxtail, eastern gamagrass, side-oats grama, guinea grass, Indian grass, Johnsongrass, lovegrass, napiergrass, oatgrass, orchardgrass, pangolagrass, paspalum, redtop, Italian ryegrass, St. Augustine grass, sprangletop, squirreltailgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass and zoysia grass. Also included are sudan-grass and sorghum forages and their hybrids.

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<tr>
<td>Alfalfa caterpillar</td>
<td>2.4 to 4.3 ounces (0.028 to 0.05 pound active)</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. Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment. ULV oil spray application is prohibited. 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>
</tbody>
</table>

**Sorghum (Grain) and Millet (14 day PHI for grain and stover; 45 day PHI for forage):**

**Insects Controlled:**
- Armyworm, southern
- Armyworm, true
- Armyworm, yellowstriped
- Cereal leaf beetle
- Chinch bug
- Grass mealybug
- Grasshopper spp.
- Plant bug spp.
- Stinkbug spp.

**Rate of Application:** 3.0 to 4.3 ounces (0.035 to 0.05 pound active) per acre

**Method of Application:** Use 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. Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment. ULV oil spray application is prohibited. Higher volumes of finished spray may improve insect control under high temperatures, when foliage is dense and/or when insect pressure is high.

**Soybeans (21 day PHI):**

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<tr>
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<tbody>
<tr>
<td>Cutworm spp.</td>
<td>1.4 to 4.3 ounces (0.016 to 0.05 pound active)</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate.</td>
</tr>
<tr>
<td>Alfalfa Caterpillar</td>
<td>3.0 to 4.3 ounces (0.035 to 0.05 pound active)</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate.</td>
</tr>
</tbody>
</table>

**Stone Fruit Group (14 day PHI) including:**
- Apricot; Cherry (Sweet and Tart); Nectarine; Peach; Plum (including Chickasaw Plum, Damson Plum, and Japanese Plum); Plumcot; and Prune (fresh).

<table>
<thead>
<tr>
<th>Insects Controlled</th>
<th>Rate of Application</th>
<th>Method of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Plum Borer</td>
<td>1.4 to 4.3 ounces (0.016-0.05 pounds active)</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate.</td>
</tr>
</tbody>
</table>

**Do not make applications less than 7 days apart.**
- Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.

**Do not apply more than 25.8 ounces of active ingredient or 0.3 pounds of active ingredient per acre per season.**
- Use higher recommended dosage for increased pest pressure, increased residual pest control, or later-season applications. Do not exceed maximum allowable rate.
- *See resistance statement under “Directions For Use” section*.
- *Aids in control*.

**Avoid applications when honey bees are actively foraging by applying during the early morning or evening hours.**
- Do not feed or allow livestock to graze on cover crops from treated orchards.

---

1. Aphid control may be variable depending on species present and host-plant relationships.
2. See resistance statement under “Directions For Use” section.
3. Aids in Control.

---

**Rate of Application**
- 1.4 - 4.3 ounces (0.016-0.05 pounds active) per acre
- 3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre

---

**Method of Application**
- 1 Use higher recommended dosage for increased pest pressure, increased residual pest control, or later-season applications. Do not exceed maximum allowable rate.
- *See resistance statement under “Directions For Use” section*.
- *Aids in control*.

---

**Applications**
- Do not apply more than 21.5 ounces of product or 0.25 pounds of active ingredient per acre per season.
- Do not apply more than 21.5 ounces of product or 0.25 pounds of active ingredient per acre per season.

---

**Insects Controlled**
- Armyworm, southern
- Armyworm, true
- Armyworm, yellowstriped
- Cereal leaf beetle
- Chinch bug
- Grass mealybug
- Grasshopper spp.
- Plant bug spp.
- Stinkbug spp.

**Rate of Application**
- 3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre

---

**Method of Application**
- Do not make applications less than 7 days apart.
- Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.

---

**Insects Controlled**
- Armyworm, Fall
- Grasshopper spp.
- Lesser Cornstalk Borer
- Looper spp.
- Stink Bug spp.
- Thrips spp.
- Whitefly spp.

**Rate of Application**
- 3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre

**Method of Application**
- Do not make applications less than 7 days apart.
- Do not apply more than 21.5 ounces of product or 0.25 pounds of active ingredient per acre per season.

---

**Insects Controlled**
- Aphid spp.
- Armyworm, Beet
- Chinch Bug
- False Chinch Bug
- Grasshopper spp.
- Lesser Cornstalk Borer
- Thrips spp.
- Whitefly spp.

**Rate of Application**
- 3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre

**Method of Application**
- Do not make applications less than 7 days apart.
- Do not apply more than 21.5 ounces of product or 0.25 pounds of active ingredient per acre per season.

---

**Insects Controlled**
- American Plum Borer
- Black Cherry Aphid
- Cherry Fruit Fly
- Green Fruitworm
- Leafrollers
- Leaffoppers
- Lesser Peach Tree Borer
- Peach Tree Borer
- Peach Twig Borer
- Plum Curculio
- Oriental Fruit Moth
- Rose Chafer
- Stink Bugs
- Turnip Raped Plant Bug
- Tuffed Apple Budmoth
- Western Cherry Fruit Fly

**Rate of Application**
- 1.4 to 4.3 ounces (0.016-0.05 pounds active) per acre

**Method of Application**
- As applied by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate.

---

**Applications**
- Do not apply more than 25.8 ounces of product or 0.3 pounds of active ingredient per acre per season.
- Do not apply as a ULV spray.
- Do not feed or allow livestock to graze on cover crops from treated orchards.
Sugar Beet (50 day PHI for tops or roots)  

Foliar Application:  
- Armyworms  
- Blister Beetles  
- Click Beetles  
- Cutworms  
- Flea Beetles  
- Grasshoppers  
- Heterothrix spp.  
- Leafhoppers  
- Leafminers (adults)  
- Looper  
- Lygaeus Bug  
- Sugar Beet Root Maggot (adult)  
- Sugar Beet Crown Borer  
- Thistle Caterpillar  
- Webworms  
- Zebra Caterpillar  
- Aphids  

At Plant Application:  
- Sugar Beet Root Maggot (larvae)  
- White Grub  
- Wireworm  
- Cutworm species  

Do not apply more than 12.9 ounces of product or 0.15 pounds of active ingredient per acre per season including at plant plus foliar applications of Mustang.  

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

**Notes:**  
1. Aphid control may be variable depending on species present and host-plant relationships.  
2. Suppression only.

Sunflower Castor Oil Plant, Chinese Tallowtree, Euphorbia, Evening Primrose, Jojoba, Niger Seed, Rose Hip, Stokes Aster, Tallowwood, Tea Oil Plant, and Vernonia (30 day PHI)  

<table>
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<tr>
<td>Thistle Caterpillar (Painted Lady)</td>
<td>1.4 to 4.3 ounces (0.016 to 0.05 pound active) per acre</td>
<td>Apply with ground or air equipment using sufficient water and application methods to insure thorough coverage of foliage. Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment. Begin applications when pest appears and repeat as necessary to maintain control. Do not make applications less than 7 days apart. Use the recommended dosage for increased residual pest control. Do not exceed maximum allowable rate.</td>
</tr>
<tr>
<td>Cutworm species</td>
<td>2.72 to 4.3 ounces (0.032 to 0.05 pound active) per acre</td>
<td>Apply with ground or air equipment using sufficient water and application methods to ensure thorough coverage of foliage. Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment. Begin applications when pest appears and repeat as necessary to maintain control. Do not make applications less than 7 days apart. Use the recommended dosage for increased residual pest control. Do not exceed maximum allowable rate.</td>
</tr>
<tr>
<td>Sunflower Beetle</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Apply with ground or air equipment using sufficient water and application methods to ensure thorough coverage of foliage. Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment. Begin applications when pest appears and repeat as necessary to maintain control. Do not make applications less than 7 days apart. Use the recommended dosage for increased residual pest control. Do not exceed maximum allowable rate.</td>
</tr>
</tbody>
</table>

Tree Nuts Group (7 Day PHI) including: almond; beech nut; Brazil nut; butternut; cashew; chestnut; chinquapin; filbert (hazelnut); hickory nut; macadamia nut; pecan; and walnut (black and English).  

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<tr>
<td>Black Pecan Aphid</td>
<td>4.3 ounces (0.05 pounds active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air). Avoid applications when honey bees are actively foraging by applying during the early morning or evening hours.</td>
</tr>
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Wheat and Triticale (14 day PHI for grain, forage, and hay):  

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</thead>
<tbody>
<tr>
<td>Cutworm spp., including Army Cutworm</td>
<td>1.4 to 4.3 ounces (0.016 to 0.05 pound active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air). For chinch bug control, begin applications when bugs migrate from small grains or grass weeds. Apply sufficient spray volume to penetrate the soil/stem interface, leaf collars, and sheaths.</td>
</tr>
<tr>
<td>Armyworm, Southern Armymeal, True Armymeal, Yellowstriped Cereal Leaf Beetle</td>
<td>1.9 to 4.3 ounces (0.022 to 0.05 pound active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air). For chinch bug control, begin applications when bugs migrate from small grains or grass weeds. Apply sufficient spray volume to penetrate the soil/stem interface, leaf collars, and sheaths.</td>
</tr>
<tr>
<td>Aphid spp.</td>
<td>3.4 to 4.3 ounces (0.04 to 0.05 pound active) per acre</td>
<td>Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels. Do not exceed maximum allowable rate. Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons by ground and 2 gallons by air). For chinch bug control, begin applications when bugs migrate from small grains or grass weeds. Apply sufficient spray volume to penetrate the soil/stem interface, leaf collars, and sheaths.</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
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</tr>
</thead>
</table>

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