This site contains information about special registrations of products for use in the State of Texas for boll weevil control in crops other than cotton and control of volunteer cotton growing in other crops. Changes in pesticide registrations occur constantly. Some pesticide products may no longer be available, and some uses may no longer be registered. All pesticides distributed, sold or applied in Texas must be registered with the Texas Department of Agriculture. Questions concerning the legality and/or registration status for pesticide use in Texas should be directed to the <u>Texas Department of Agriculture Pesticide</u> Registration Program at 1-800-835-5832. Read the label before applying any insecticide or herbicide. This link shows only recently registered special use registrations. (To view a product label, click on product name or scroll down page.)

Insecticides for control of boll weevil on volunteer or wild cotton present in:

Corn

Fyfanon ULV 2(ee) EPA Registration No. 67760-34 (2006)

Other Vegetable Crops (see label for crop list)

Mustang Max EC Multi-Crop 2(ee) EPA Registration No. 279-3327 \*

**Pastures and Roadsides** 

Fyfanon ULV 2(ee) EPA Registration No. 67760-35 (2008)

Wheat

Fyfanon ULV 2(ee) EPA Registration No. 67760-34 (2007) Mustang Max EC Multi-Crop 2(ee) EPA Registration No. 279-3327\*

Sorghum

Fyfanon ULV 24(c) EPA SLN No. TX-060018 Fyfanon ULV 2(ee) EPA Registration No. 67760-34 (2007) Mustang Max EC Multi-Crop 2(ee) EPA Registration No. 279-3327\*

Herbicides for control of volunteer cotton in:

Corn

Aim EC EPA 2(ee) EPA Registration No. 279-3241 Cadet 2(ee) EPA Registration No. 279-3338 Gramoxone Inteon Section 24(c) EPA SLN NO. TX-090007

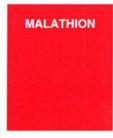
Sorghum

Aim Ec 2(ee) EPA Registration No. 279-3241

Soybean

Cadet 2(ee) EPA Registration No. 279-3338

\*Refer to each crop section on the Mustang MAX EC Insecticide Section 3 label for restrictions.





2(ee) Recommendation\*

For Distribution and Use Only in the State of Texas To Control Boll Weevils in Corn (where volunteer or wild cotton is present)

#### **ATTENTION**

- \*This recommendation is permitted under FIFRA 2(ee) and has not been submitted to or approved by the EPA or state lead pesticide agency.
- Read and follow all applicable directions for use, precautions and limitations on the product label attached to the container for Fyfanon ULV.

## **Directions for Use**

## **Use and Dosage Recommendations**

CROP	PESTS CONTROLLED	FL. OZ./ACRE	PRE-HARVEST INTERVAL/ COMMENTS
Corn	Boll weevil	4-8	Corn: 5 days.

EPA Reg. No.: 67760-34

Manufactured for: Cheminova. Inc. 1700 Route 23 Wayne, NJ 07470 www.cheminova.us.com

®Fyfanon is a registered trademark of Cheminova

08/15/06









2(ee) Recommendation\*

For Distribution and Use Only in the State of Texas To Control Boll Weevils in Uncultivated Non-Agricultural Areas (Wastelands and Roadsides) Where Volunteer Cotton is Present

## **ATTENTION**

- \*This recommendation is permitted under FIFRA 2(ee) and has not been submitted to or approved by the EPA or state lead pesticide agency.
- Read and follow all applicable directions for use, precautions and limitations on the product label attached to the container for Fyfanon ULV.

## **Directions for Use**

## **Use and Dosage Recommendations**

CROP	PESTS CONTROLLED	FL. OZ./ACRE	PRE-HARVEST INTERVAL/ COMMENTS
Clover; pasture & range grass; grass; grass hay; uncultivated nonagricultural areas (wastelands, roadsides)	Boll weevil	8-12	0 days. Do not apply to clover in bloom.

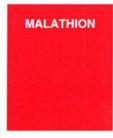
EPA Reg. No.: 67760-35

Manufactured for: Cheminova, Inc. One Park Drive, Suite 150 P.O. Box 110566 Research Triangle Park, NC 27709 www.cheminova.us.com

®Fyfanon is a registered trademark of Cheminova

10-22-08







2(ee) Recommendation\*

For Distribution and Use Only in the State of Texas To Control Boll Weevils in Wheat

#### **ATTENTION**

- \*This recommendation is permitted under FIFRA 2(ee) and has not been submitted to or approved by the EPA or state lead pesticide agency.
- Read and follow all applicable directions for use, precautions and limitations on the product label attached to the container for Fyfanon ULV.

#### **Directions for Use**

## **Use and Dosage Recommendations**

CROP	PESTS CONTROLLED	FL. OZ./ACRE	PRE-HARVEST INTERVAL/ COMMENTS
Wheat	Boll weevil	8	7 days.

EPA Reg. No.: 67760-34

Manufactured for: Cheminova, Inc. 1700 Route 23 Wayne, NJ 07470 www.cheminova.us.com

Fyfanon® is a registered trademark of Cheminova

11/30/07





# Fyfanon® ULV AG

ULTRA LOW VOLUME CONCENTRATE INSECTICIDE

# SPECIAL LOCAL NEED SECTION 24(c) SUPPLEMENTAL LABELING

For Distribution and Use Only in the State of Texas
To Control Boll Weevils in Grain Sorghum (where volunteer or wild
cotton is present)

## **ATTENTION**

 Read and follow all applicable directions for use, precautions and limitations on the product label attached to the container for Fyfanon ULV AG.

EPA Reg. No. 67760-35

EPA SLN No. TX-060018

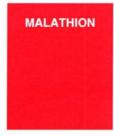
## **Directions for Use**

## **Use and Dosage Recommendations**

CROP	PESTS CONTROLLED	FL. OZ./ACRE	PRE-HARVEST INTERVAL/ COMMENTS
Grain Sorghum (milo)	Boll weevil	12	PHI: 7 days. Do not graze or feed grain sorghum forage, fodder/stover or hay.

Manufactured for:
Cheminova, Inc.
One Park Drive, Suite 150
P.O. Box 110566
Research Triangle Park, NC 27709
www.cheminova.us.com
®Fyfanon is a registered trademark of Cheminova
9-15-08









2(ee) Recommendation\*

For Distribution and Use Only in the State of Texas To Control Boll Weevils in Sorghum (where volunteer or wild cotton is present)

#### **ATTENTION**

- \*This recommendation is permitted under FIFRA 2(ee) and has not been submitted to or approved by the EPA or state lead pesticide agency.
- Read and follow all applicable directions for use, precautions and limitations on the product label attached to the container for Fyfanon ULV.

## **Directions for Use**

## **Use and Dosage Recommendations**

CROP	PESTS CONTROLLED	FL. OZ./ACRE	PRE-HARVEST INTERVAL/ COMMENTS
Grain Sorghum	Boll weevil	8-12	Grain Sorghum: 7 days. Do not graze or feed grain sorghum forage, fodder/stover, or hay.

EPA Reg. No.: 67760-34

Manufactured for: Cheminova, Inc. 1700 Route 23 Wayne, NJ 07470 www.cheminova.us.com

®Fyfanon is a registered trademark of Cheminova

6/21/07

## THIS RECOMMENDATION IS MADE AS PERMITTED UNDER FIFRA SECTION 2(ee) AND HAS NOT BEEN SUBMITTED TO OR APPROVED BY THE EPA.



## For Agricultural or Commercial Use Only EPA Registration No. 279-3241

## 2(ee) Recommendation

## FOR DISTRIBUTION AND USE ONLY IN THE FOLLOWING STATE OF TEXAS

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

THIS PRODUCT BULLETIN CONTAINS NEW OR ADDITIONAL DIRECTIONS FOR USE WHICH ARE RECOMMENDED BY FMC CORPORATION UNDER FIFRA SECTION 2(ee)

CROP	PEST	RATE OF APPLICATION
Field Corn	Volunteer Cotton	Aim EC 1.5 to 2.0 oz (0.024 to 0.031 lbs active ingredient) per acre plus COC 1.0% v/v

#### **DIRECTIONS FOR USE:**

Apply Aim EC with drop nozzles or other sprayers capable of directing the spray to the target weeds and away from the whorl of the corn plant. Apply in a minimum of 10 gallons of finished spray per acre. Thorough coverage is essential for satisfactory performance.

For optimum performance, make application to actively growing volunteer cotton up to 4 inches tall.

## **RESTRICTIONS:**

Do not apply more than 2.0 fl. oz. (0.031 lbs active ingredient) of Aim EC per acre per season including fallow/preplant burndown and labeled crop applications.

Do not apply within three days of harvest.

Do not apply when conditions favor drift or when wind is above 10 mph.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS REQUIREMENTS AND PRECAUTIONS ON THE EPA REGISTERED AIM EC HERBICIDE LABEL (EPA Reg. No. 279-3241) MUST BE FOLLOWED. FOLLOW APPROPRIATE SPRAY DRIFT PRECAUTIONS ON THE SECTION 3 LABEL.

THIS RECOMMENDATION SHOULD BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.





# THIS RECOMMENDATION IS MADE AS PERMITTED UNDER FIFRA SECTION 2(ee) AND HAS NOT BEEN SUBMITTED TO OR APPROVED BY THE EPA.



## 2(ee) Recommendation

# FOR DISTRIBUTION AND USE ONLY IN THE FOLLOWING STATE OF TEXAS

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

THIS PRODUCT BULLETIN CONTAINS NEW OR ADDITIONAL DIRECTIONS FOR USE WHICH ARE RECOMMENDED BY FMC CORPORATION UNDER FIFRA SECTION 2(ee)

#### EPA Registration No. 279-3338

CROP	PEST	RATE OF APPLICATION
Field Corn	Volunteer Cotton	0.6 to 0.9 oz (0.0042 – 0.006 lb ai/a) Cadet Herbicide per acre

## **DIRECTIONS FOR USE:**

Apply Cadet Herbicide postemergence from the 2-leaf stage (2 visible collars) until the corn is 48 inches tall or prior to tasseling. For best control apply foliar broadcast when volunteer cotton is 4" or less in size. Sizes larger than 4" may be suppressed and require a second a application. Apply in a minimum of 15 gallons of finished spray per acre. An adjuvant such as non-ionic (NIS) at 0.25% v/v or crop oil concentrate (COC) at 1-2 pts/a is required for maximum consistent performance. Thorough coverage is essential for satisfactory performance. Refer to the federal label for further instructions, recommend spray volume, tank mix additives and surfactants.

## **RESTRICTIONS:**

Do not apply more than 1.25 fl. Oz. (0.0089 lbs active ingredient) of Cadet Herbicide per acre per season. Do not apply this product through any type of irrigation system or by air.

Do not harvest or feed corn grain or stover (fodder) until 90 days after the last application of Cadet Herbicide.

Do not harvest or feed field corn forage until 30 days after the last application of Cadet Herbicide.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS REQUIREMENTS AND PRECAUTIONS ON THE EPA REGISTERED CADET HERBICIDE LABEL (EPA Reg. No. 279-3338) MUST BE FOLLOWED. FOLLOW APPROPRIATE SPRAY DRIFT PRECAUTIONS ON THE SECTION 3 LABEL.

THIS RECOMMENDATION SHOULD BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.









## Section 24(c) Special Local Need Label

# RESTRICTED USE PESTICIDE Due to Acute Toxicity

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.

# FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF TEXAS

**GRAMOXONE INTEON®** 

EPA REG. NO. 100-1217 EPA SLN NO. TX-090007

## Control of Volunteer Cotton in Corn

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR PEST CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with all applicable directions, restrictions, and precautions found in the labeling of the federally registered product and accompanying supplemental labeling.

Follow all applicable directions, restrictions, and precautions including statements pertaining to the Worker Protection Standards, on the EPA-registered Gramoxone Inteon label.

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

Crop	Use Pattern	Gramoxone Rate Per Acre	Precautions, Restrictions and Comments
FIELD CORN POPCORN SWEETCORN	Postemergence Directed Spray (including hooded	1.0-2.0 pt/A	Make no more than 3 applications per year for all postemergent directed sprays
SEED CORN	l or chioldod)	Minimum total spray volume: 10 gal/A	
			Apply when cotton is actively growing
			Do not apply when weather conditions favor drift
			Severe damage and/or complete kill can occur if spray contacts corn plants
			<ul> <li>HOODED OR SHIELDED SPRAYERS</li> <li>To avoid excessive crop phytotoxicity, use a hooded or shielded sprayer with skids or wheels on the spray boom to maintain spray height.</li> <li>Apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants.</li> <li>DIRECTED SPRAY WITHOUT HOODED OR SHIELDED SPRAYERS</li> <li>Apply when corn is at least 10" tall with nozzles arranged to spray no higher than the lower 3" of corn stalks.</li> <li>Corn plants shorter than 10" may be injured and not recover (corn height measured from soil surface to top of whorl).</li> <li>For corn greater than 20" tall, arrange the nozzles to spray no higher than the lower 1/3 of the corn stalks.</li> <li>Corn foliage sprayed will be injured, but the crop will recover and develop normally.</li> </ul>
FIELD CORN POPCORN	Harvest Aid Broadcast	1.0-2.0 pt/A	Make ONE (1) application at least 7 days prior to harvest.  Minimum total corpus values: Cround 30 gal/A: Air 5
SEED CORN			<ul> <li>Minimum total spray volume: Ground 20 gal/A; Air 5 gal/A</li> <li>Apply after the corn is mature after the black layer has formed at the base of the kernels (this indicates maturity). Consult your local agricultural authority for help in identifying the black layer.</li> </ul>

## **Additional Precautions, Restrictions and Comments:**

- Apply between cotyledon and 6 leaf stage of the volunteer cotton plants. Cotton plants larger than the 6 leaf stage may not be completely killed.
- Use higher rates as size of volunteer cotton plant increases
- Add a nonionic surfactant containing at least 75% surface active ingredient at 0.25% v/v
- Drought stressed cotton plants can be difficult to kill and desiccation may not be complete.

24(c) registrant: Syngenta Crop Protection, Inc. P.O. Box 18300 Greensboro, NC 27419-8300

Gramoxone Inteon® trademark of a Syngenta Group Company

Label Code: TX1217054AA0609

# THIS RECOMMENDATION IS MADE AS PERMITTED UNDER FIFRA SECTION 2(ee) AND HAS NOT BEEN SUBMITTED TO OR APPROVED BY THE EPA.



For Agricultural or Commercial Use Only EPA Registration No. 279-3241

## 2(ee) Recommendation

# FOR DISTRIBUTION AND USE ONLY IN THE FOLLOWING STATE OF TEXAS

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

THIS PRODUCT BULLETIN CONTAINS NEW OR ADDITIONAL DIRECTIONS FOR USE WHICH ARE RECOMMENDED BY FMC CORPORATION UNDER FIFRA SECTION 2(ee)

CROP	PEST	RATE OF APPLICATION
Grain Sorghum	Harvest Aid to Control Volunteer Cotton	Aim EC 1.0 oz (0.016 lbs active ingredient) per acre plus  COC 1.0% v/v

## **DIRECTIONS FOR USE:**

Apply Aim EC with drop nozzles or other sprayers capable of directing the spray to the target weeds and away from the whorl of the sorghum plant. Apply in a minimum of 10 gallons of finished spray per acre. Thorough coverage is essential for satisfactory performance.

For optimum performance, make application to actively growing volunteer cotton up to 4 inches tall.

## RESTRICTIONS:

Do not apply more than 1.0 fl. oz. (0.016 lbs active ingredient) of Aim EC per acre per season including fallow, preplant burndown and labeled crop applications.

Do not apply within three days of harvest.

Do not apply when conditions favoring drift exist or wind is above 10 mph

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS REQUIREMENTS AND PRECAUTIONS ON THE EPA REGISTERED AIM EC HERBICIDE LABEL (EPA Reg. No. 279-3241) MUST BE FOLLOWED. FOLLOW APPROPRIATE SPRAY DRIFT PRECAUTIONS ON THE SECTION 3 LABEL. THIS RECOMMENDATION SHOULD BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.





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# THIS RECOMMENDATION IS MADE AS PERMITTED UNDER FIFRA SECTION 2(ee) AND HAS NOT BEEN SUBMITTED TO OR APPROVED BY THE EPA.



## 2(ee) Recommendation

# FOR DISTRIBUTION AND USE ONLY IN THE FOLLOWING STATE OF TEXAS

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

THIS PRODUCT BULLETIN CONTAINS NEW OR ADDITIONAL DIRECTIONS FOR USE WHICH ARE RECOMMENDED BY FMC CORPORATION UNDER FIFRA SECTION 2(ee)

#### EPA Registration No. 279-3338

CROP	PEST	RATE OF APPLICATION
Soybean	Volunteer Cotton	0.6 to 0.9 oz (0.0042 – 0.006 lb ai/a) Cadet Herbicide per acre

## **DIRECTIONS FOR USE:**

Apply Cadet Herbicide postemergence from first trifoliate to the full flowering stage of development. For best control apply foliar broadcast when volunteer cotton is 4" or less in size. Sizes larger than 4" may be suppressed and require a second application. Apply in a minimum of 15 gallons of finished spray per acre. An adjuvant such as non-ionic surfactant (NIS) at 0.25% v/v or crop oil concentrate (COC) at 1-2 pts/a is required for maximum consistent performance. Through coverage is essential for satisfactory performance. Refer to the federal label for further application instructions, recommended spray volume, tank mixture additives and surfactants.

#### **RESTRICTIONS:**

Do not apply more than 1.25 fl. oz. (0.0089 lbs active ingredient) of Cadet Herbicide per acre per season. Do not apply this product through any type of irrigation system or by air.

Do not graze or feed treated soybean forage or hay to livestock.

Do not apply within 60 days of harvest.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS REQUIREMENTS AND PRECAUTIONS ON THE EPA REGISTERED CADET HERBICIDE LABEL (EPA Reg. No. 279-3338) MUST BE FOLLOWED. FOLLOW APPROPRIATE SPRAY DRIFT PRECAUTIONS ON THE SECTION 3 LABEL. THIS RECOMMENDATION SHOULD BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.

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

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## RESTRICTED USE PESTICIDE

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.

THIS RECOMMENDATION IS MADE AS PERMITTED UNDER FIFRA SECTION 2(ee)
AND HAS NOT BEEN SUBMITTED TO OR APPROVED BY THE EPA.



## 2(ee) Recommendation

# FOR DISTRIBUTION AND USE ONLY IN TEXAS

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

THIS PRODUCT BULLETIN CONTAINS NEW OR ADDITIONAL DIRECTIONS FOR USE WHICH ARE RECOMMENDED BY FMC CORPORATION UNDER FIFRA SECTION 2(ee)

CROP	PEST	RATE OF APPLICATION
Section 3 Registered Crops*	Boll Weevil	4.0 Fluid Ounces/Acre (0.025 lbs active ingredient/acre)

#### **DIRECTIONS FOR USE:**

For boll weevil control on volunteer cotton. Apply Mustang Max EC to registered crops (see section 3 label) where volunteer cotton is present. Multiple applications may be necessary to reduce pest populations to acceptable levels. Refer to each crop on the Mustang MAX EC Insecticide Section 3 label to determine the maximum rate allowed per season, application intervals and other restrictions.

#### \*RESTRICTIONS:

\*Refer to each crop section on the Mustang MAX EC Insecticide Section 3 label for restrictions.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS REQUIREMENTS AND PRECAUTIONS ON THE EPA REGISTERED MUSTANG MAX® EC INSECTICIDE, EPA REG. NO. 279-3327, LABEL MUST BE FOLLOWED. THIS RECOMMENDATION MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.





Head and Stem Brassica Vegetables (1 day PHI) including: Broccoli; Chinese Broccoli (gailon, white flowering broccoli); Brussels Sprouts; Cauliflower; Cavalo broccolo; Kohlrabi; Cabbage; Chinese Cabbage (napa); Chinese Mustard Cabbage (gai choy). Leafy Brassica Greens (1 day PHI) including: Broccoli Raab (rapini); Chinese cabbage (bok choy); Collards; Kale; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens; Turnip Greens.

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 pound active) per acre	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.

Do not make applications less than 7 days apart.

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

Bulb Vegetables (Allium spp.) (7 day PHI) including: Garlic; Garlic, Great-Headed (elephant); Green Eschalots; Japanese Bunching Onions; Leeks; Onion, Dry Bulb and Green; Onion, Welch; Shallots, Dry Bulb and Green;

**Spring Onion or Scallions** 

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 pound active) per acre	Apply in a minimum of 20 gallons per acre with ground equipment or in a minimum of 3 gallons per acre by aircraft. Begin applications when pests appear and repeat as necessary to maintain control.

Do not make applications less than 7 days apart.

Do not apply more than 0.125 pounds of active ingredient may be applied per acre per season.

Do not graze livestock in treated areas or cut treated crops for feed.

# Canola, Crambe, Rapeseed, Borage, Cuphea, Echium, Flax, Gold of Pleasure, Hare's-Ear Mustard, Lesquerella, Lunaria, Meadowfoam, Milkweed, Mustard, Oil Radish, Poppy Seed, Sesame, and Sweet Rocket (7 Day PHI).

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 pound active) per acre	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 0.15 pounds of active ingredient per acre per season.



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 orkra); 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).

Apply by ground or air equipment using suf obtain full coverage of foliage (minimum of	
Boll Weevil per acre ground and 2 gallons by air).	

Do not make applications less than 7 days apart.

Do not apply more than 0.15 pounds of active ingredient per acre per season.

Fruiting Vegetables (except Cucurbits) (1 day PHI) including: Eggplant; groundcherry (Physalis spp.); okra; pepino (Melon pear); pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); tomatillo; tomato.

Boll Weevil 4.0 o	unces (0.025 pound active) per acre	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 0.15 pounds of active ingredient per acre per season.

Grass Forage, Fodder, and Hay Group and Grass Grown for Seed and Pasture and Rangeland (0 day PHI for forge and hay; 7 day PHI for straw and seed screenings) 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, sprangletop, squirreltailgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass and zoysia grass. Also included are sudangrass and sorghum forages and their hybrids.

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 pound active) per acre	Apply in a minimum of 2 gallons of finished spray per acre by aerial equipment or 10 gallons per acre by ground equipment.

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 0.025 pounds of active ingredient per acre may be applied per cutting.

For hay, a maximum of 0.10 pounds of active ingredient per acre per season may be applied. For forage, straw, and seed screenings, a maximum of 0.125 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.



Leafy Vegetables (except Brassica) (1 day PHI): Amaranth (leafy amaranth, Chinese spinach, tampala); Arugula (Roquette); Cardoon; Celery; Celery, Chinese; Celtuce; Chervil; Chrysanthemum, edible-leaved and garland; Cilantro (not for use on cilantro grown for seed or coriander); Corn salad; Cress, garden; Cress, upland (yellow rocket, winter cress); Dandelion; Dock (sorrel); Endive (escarole); Fennel, Florence (finochio); Lettuce, head and leaf; Orach; Parsley; Purslane, garden; Purslane, winter; Radicchio (red chicory); Rhubarb; Spinach (including New Zealand and vine, Malabar spinach, Indian spinach); Swiss chard.

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 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.
Do not make applications less than 7 days apart.  A maximum of 0.15 pounds of active ingredient may be applied per acre per season.		

Legume Vegetables - Succulent and Dried (except Soybeans), 1 day PHI for succulent shelled or edible-podded peas or beans and 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; Tepary Bean; Adzuki Bean; Catjang; Cowpea; Crowder Pea; Moth Bean; Mung Bean; Rice Bean; Urd Bean; Chickpea (Garbanzo Bean); Guar; Lablab bean.	Rate of Application	Method of Application
Chickpea (Garbanzo Bean); Guar; Lablab		
Insects Controlled		
Boll Weevil	4.0 ounces (0.025 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 2 gallons per acre by air.

Do not make applications less than 5 days apart.

Do not apply more than 0.15 pounds of active ingredient may be applied per acre per season.



Root and Tuber Vegetables Group 1 (except Sugar Beet) (1 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); Radish; Rutabaga; Salsify (Oyster Plant); Black Salsify; Spanish Salsify; Skirret; Sweet Potato; Tanier (Cocoyam); Turmeric; Turnip; Yam Bean; and Yam (True).

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 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 2 gallons per acre by air.

Do not make applications less than 4 days apart.

Do not apply more than 0.15 pounds of active ingredient may be applied per acre per season. Leaves of Root and Tuber Vegetables (except Sugar Beet tops) cannot be used for food or feed.

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

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 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 2 gallons per acre by air.

Do not make applications less than 10 days apart.

Do not apply more than 0.125 pounds of active ingredient may be applied per acre per season.

Soybeans (21 day PHI):

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 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 2 gallons per acre by air.

Do not make applications less than 7 days apart.

Do not apply more than 0.15 pounds of active ingredient may be applied per acre per season.

Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.

Sugarcane (21 day phi)

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 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 2 gallons per acre by air.
_		

Do not make applications less than 21 days apart.

Do not apply more than 0.10 pounds of active ingredient may be applied per acre per season.



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)

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 pound active) per acre	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 0.125 pounds of active ingredient per acre per season.

Do not make more than five applications at the maximum application rate per season.

Do not graze livestock in treated areas or cut treated crops for feed

Avoid applications when honey bees are actively foraging by applying during the early morning or evening hours.

Wheat and Triticale (14 day PHI for grain, forage, and hay):

Insects Controlled	Rate of Application	Method of Application
Boll Weevil	4.0 ounces (0.025 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 2 gallons per acre by air.

Do not make applications less than 14 days apart.

Do not apply more than 0.125 pounds of active ingredient per acre per season.

## 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.



EPA Reg. No. 279-3327

EPA Est. 279-FL-1

**Active Ingredient:** By Wt. S-Cyano (3-phenoxyphenyl)methyl (+) cis/trans 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropane carboxylate\*\* ......9.6% Inert Ingredients\*\*\* 90.4% 100.0%

- Contains 0.8 pounds active ingredient per gallon. Cis/trans ratio: Max. 75% (±) cis and min. 25% (±) trans Contains Petroleum Distillates

## U.S. Patent No. Pending

## **KEEP OUT OF REACH OF CHILDREN** CAUTION

#### FIRST AID

**IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

#### Note to Physician

Contains petroleum distillates – vomiting may cause aspiration pneumonia. 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 panels for additional precautionary information.

#### **HOTLINE NUMBER**

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



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

#### **Net Contents:**

## PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Caution
Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

## Personal Protective Equipment:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS. 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 EPÁ 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 Nitrile, Butyl, Neoprene, and/or Barrier Laminate, 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 Nitrile, Butyl, Neoprene, and/or Barrier Laminate, shoes plus socks, and protective

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 thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toi-

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean cloth-

## **Environmental Hazards**

This pesticide 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.

#### DIRECTIONS FOR USE

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

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

**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 resistance 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 control. 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 agricultural advisor for the best alternative method of control for your area. cultural advisor for the best alternative method of control for your area.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves, such as Barrier Laminate or Viton, and shoes plus socks.

#### STORAGE AND DISPOSAL

#### **Pesticide Storage**

Store in a cool, dry, well-ventilated place. Do not store below –6.6°C (20°F). If solids are observed warm to above 4.4°C (40°F) and roll or shake containers to redissolve. Do not use near heat, open flame or hot surfaces. Store in original containers only. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Keep out of reach of children and animals.

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: Dike surrounding area or absorb with sand, cat litter or commercial clay. Place damaged package in a holding container. Identify contents.

#### Pesticide Disposal

Pesticide vastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes connot 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**

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not cut or weld metal containers.

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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.

Returnable/Refillable Sealed Containers: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

#### Chemigation Use Directions

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, 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 (including greenhouse systems) used for pesticide application to a public water

Crop injury, lack of effectiveness, or illegal residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system 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 injection 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 automatically 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-

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.

Do not apply when wind speed favors drift beyond the area intended for treatment

Mustang Max EC insecticide should be applied continuously for the duration of the water application. Mustang Max EC insecticide 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.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21pp. http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf.

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 should be mounted on the aircraft as to minimize drift caused by wingtip or rotor votices. 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.

## **Preventive Use**

For cutworm, armyworm, or stalk borer control, Mustang Max EC 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 Max EC 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; Sugarcane; 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 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.

Сгор		Maximum (lbs	Maximum Seasonal Total (Ibs ai/acre) When Applying Cypermethrin and Zeta- Cypermethrin Products to the Same Crop	Maximum Seasonal Total (Ibs ai/acre) When Applying Zeta-cyperme- thrin Products to the Same Crop		
	Zeta-cypermethrin *  Mustang   Mustang   HERO   Cypermethrin**				Zeta-cyperme- thrin* plus Cypermethrin **	Zeta- cypermethrin*
Cotton	0.3	0.15	0.1125	0.6	0.6	0.3
Field Corn	0.2	0.10	0.10	NA	NA	0.2
Sweet Corn	0.3	0.15	0.0675	NA	NA	0.3
Eggplant	0.3	0.15	0.0675	NA	NA	0.3
Pepper (Bell & Non-Bell)	0.3	0.15	0.0675	NA	NA	0.3
Tomato	0.3	0.15	0.105	NA	NA	0.3
Head Lettuce	0.3	0.15	0.1125	0.6	0.6	0.3
Head and Stem Brassica	0.3	0.15	0.1125	0.6	0.6	0.3
Succulent Peas and Beans	0.3	0.15	0.0675	NA	NA	0.3
Pecans	0.3	0.15	0.1125	0.6	0.6	0.3

<sup>\*</sup>Mustang or Fury (1.5 EW or 1.5 EC); Mustang Max (0.8 EC or 0.8 EW); HERO; or any zeta-cypermethrin product approved for crop use,

## Maximum Seasonal Usage and PHI (Pre-Harvest Interval) for Mustang Max EC Labeled Crops

Crop	Maximum Total/Acre for M		PHI (days)
•	Lbs Al	FI oz	
Alfalfa and Nongrass Animal	0.025/cutting	4.0	3 (cutting or grazing)
Feeds (Forage, Fodder, Straw and Hay) Group	0.075/season	12.0	7 (harvesting seed)
Berries	0.15	24.0	1
Brassica Vegetables	0.15	24.0	1
Bulb Vegetables	0.125	20.0	7
Corn, sweet	0.15	24.0	3
Corn, field, seed, pop	0.10	16.0	30 (grain & stover) 60 (forage)
Cotton	0.15	24.0	14
Cucurbit Vegetables	0.15	24.0	1
Fruiting Vegetables	0.15	24.0	1
Grapes	0.15	24.0	1
	0.025/cutting	4.0	
Grass Forage, Fodder, and	Hay 0.10/season	16.0	0 (Forage and Hay)
Hay Group and Grass Grown for Seed	Forage, Straw & Seed Screenings 0.125/season	20.0	7 (Straw and Seed Screenings)
Leafy Vegetables	0.15	24.0	1
Legume Vegetables	0.15	24.0	1 (succulent shelled or edible podded) 21 (dried shelled)
Oilseed Commodities:			
Canola (Rapeseed)	0.15	24.0	7
Safflower	0.075	12.0	14
Sunflower	0.125	20.0	30
Peanut	0.15	24.0	7
Pome Fruits	0.15	24.0	14
Rice and Wild Rice	0.10	16.0	14
Root and Tuber Vegetables (except Sugar Beet)	0.15	24.0	1
Sorghum	0.125	20.0	14 (grain & fodder (stover)) 45 (forage (silage))
Soybeans	0.15	24.0	21
Stone Fruits	0.15	24.0	14
Sugarcane	0.10	16.0	21
Tree Nuts	0.125	20.0	7
Wheat	0.125	20.0	14

The REI (Restricted Entry Interval) is 12 hours for all labeled crops. Refer to the crop specific use directions for detailed information on application timing and any use restrictions.

Nongrass Animal Feeds (Forage, Fodder, Straw and Hay) Group including: Alfalfa; Alfalfa grown for seed (Includes lucerne, sainfoin, holy clover, esparcet, birdsfoot trefoil and varieties and/or hybrids of these); Velvet Bean; Clover; Kudzu; Lespedeza; Lupin; Sainfoin; Trefoil; Vetch; Crown Vetch; and Milk Vetch.

Insects Controlled	Rate of Application	Method of Application
Alfalfa Caterpillar Alfalfa Looper Alfalfa Weevil	(0.014 to 0.025 pound active) per	Apply as insects appear in sufficient vol- ume of water to ensure thorough cover- age of foliage.
Cutworms Egyptian Alfalfa Weevil (larvae & adult) Flea Beetles	acre	Use higher recommended dosage for increased pest pressure or for increased residual pest control.
Frea Beeties Green Cloverworm Hornworms Meadow Spittlebug Potato Leafhopper Velvetbean Caterpillar Webworms Blue Alfalfa Aphid¹ Green Peach Aphid¹ Pea Aphid¹ Spotted Alfalfa Aphid¹ Threecornered Alfalfa Hopper		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.  Follow appropriate spray drift precautions on this label.
Armyworms Grasshoppers Plant Bugs (including Lygus spp. & Stink Bugs)	2.8 to 4.0 ounces (0.0175 to 0.025 pound active) per acre	

Do not make applications less than 7 days apart.

A maximum of 0.025 pounds active ingredient/acre may be applied per cutting and a maximum of 0.075 pounds 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. 

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

<sup>\*\*</sup>Any cypermethrin product approved for crop use including Ammotm.

NA = Not Applicable.

Berries Crop Group (1 Day PHI) including: blackberry; loganberry, red and black raspberry; blueberry, highbush and lowbush; currant; elderberry; gooseberry; huckleberry; and cultivars and/or hybrids of these.

Insects Controlled	Rate of Application	Method of Application
Leafrollers Orange Tortrix Root Weevils	4.0 ounces (0.025 pounds 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.
		Apply by ground and air equipmen using sufficient water to obtain full coverage of foliage (minimum of 20 gallons by ground and 2 gallons by air).
		Follow appropriate spray drift precautions on this label.
Do not apply more than 0.15 i		

Do not make applications less than seven days apart.

Head and Stem Brassica Vegetables (1 day phi) including: Broccoli; Chinese Broccoli (gai lon, white flowering broccoli); Brussels Sprouts; Cauliflower; Cavalo broccolo; Kohlrabi; Cabbage; Chinese Cabbage (napa); Chinese Mustard Cabbage (gai

Leafy Brassica Greens (1 day phi) including: Broccoli Raab (rapini) ; Chinese cabbage (bok choy); Collards; Kale; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens; and Turnip Greens.

Insects Controlled	Rate of Application	Method of Application	
Corn Earworm Cucumber Beetles Cutworm Diamondback Moth¹ Flea Beetles Imported Cabbageworm Leafhoppers Saltmarsh Caterpillar Southern Cabbageworm Tobacco Budworm¹	2.24 to 4.0 ounces (0.014 to 0.025 pound active) per acre	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air. Lower rates of Mustang Max EC 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	
Alfalfa Looper Armyworms Cabbage Looper Cabbage Webworm Crickets Grasshoppers Ground Beetles Leafminers (adults) Lygus Bugs Onion Thrips Stinkbugs Wireworm (adults) Aphids <sup>2</sup> Whiteflies <sup>3</sup>	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	persist, such as California and Arizona,	

Do not make applications less than 7 days apart.

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

<sup>1</sup>See resistance statement under "Directions for Use" section.

<sup>2</sup>Aphid control may be variable depending on species present and host-plant relationships.

<sup>3</sup>Aids in control

Bulb Vegetables (Allium spp.) (7 day phi) including: Garlic; Garlic, Great-Headed (elephant); Green Eschalots; Japanese Bunching Onions; Leeks; Onion, Dry Bulb and Green; Onion, Welch; Shallots, Dry Bulb and Green; Spring Onion or Scallions

	· •	
Insects Controlled	Rate of Application	Method of Application
Armyworms Cutworms Leafminers (adults) Onion Maggot Adults Stink Bugs Aphids <sup>1</sup>	(0.014 to 0.025	Apply in a minimum of 20 gallons per acre with ground equipment or in a min- imum of 3 gallons per acre by aircraft. Begin applications when pests appear and repeat as necessary to maintain control.
Onion Thrips		To control Onion Thrips: Use higher rates as population increases and avoid rescue situations. Use of a crop oil concentrate at 16 fluid ounces per acre is recommended. Follow appropriate spray drift precautions on this label.

Do not make applications less than 7 days apart.

Do not apply more than 0.125 pound active ingredient per acre per season.

Do not graze livestock in treated areas or cut treated crops for feed.

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

#### Corn, Sweet (3 day phi)

Insects Controlled	Rate of Application	Method of Application	
Chinch Bug Corn Rootworm (Adult) Corn Silkfly Cutworms Flea Beetle Leafhoppers Japanese Beetle (Adult) Sap Beetle (adults) Tarnished Plant Bug	(0.014 to 0.025	Apply with ground or air equipment using sufficient water and application methods to insure thorough coverage or foliage. Apply in water using a minimum of 20 gallons of finished spray per acrewith ground equipment and a minimum of 2 gallons per acre by air.  Follow appropriate spray drift precautions on this label.	
Armyworms Corn Borers Corn Earworm Grasshoppers Aphids <sup>1</sup>	2.8 to 4.0 ounces (0.0175 to 0.025 pound active) per acre		
Apply at minimum 3 to 5 day intervals or as needed for control.			

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

Do not apply within 3 days of harvest of ears or forage or livestock grazing.

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

#### Corn (Field), Field Corn Grown for Seed, Popcorn (At Plant Use)

Insects Controlled	Rate of Application	n	Method Applica	
Cutworms	1,000 linear fee row (0.001 pc	et of ound	Apply as an in-furrow treatment using a m Use table below to Mustang Max EC need	inimum 4" band. determine the
Row Spacings (inches)		40	30	20
Mustang Max EC (pounds ai per acre)		0.0	12 0.018	0.024
Mustang Max EC (formulated ounces per acre)		1.9	2.88	3.84
Do not apply more than 0.10 pound active ingredient per acre per season including at-plant plus foliar applications of Mustang Max EC.				

Do not apply within 30 days of harvest for grain and stover and 60 days for forage.

#### Corn (Field), Field Corn Grown for Seed, Popcorn

Insects Controlled	Rate of Application	Method of Application
Cutworms	1.28 to 2.8 ounces (0.008 to 0.0175 pound active) per acre	Management Guidelines and/or scout-
Corn Earworm <sup>1</sup> Green Cloverworm Meadow Spittlebug Western Bean Cutworm <sup>1</sup>	1.76 to 4.0 ounces (0.011 to 0.025 pound active) per acre	Apply by air or by ground equipment
Bean Leaf Beetle Cereal Leaf Beetle Corn Borer, European Com Borer, Southwestern Com Rootworm Beetle Flea Beetle Grasshoppers Hop Vine Borer Hornworms Japanese Beetle (adult) Sap Beetle (adult) Southern Corn Leaf Beetle Stalk Borer Stink Bug Spp. Tobacco Budworm² Webworms Aphids³	2.72 to 4.0 ounces (0.017 to 0.025 pound active) per acre	by ground).  For chinch hug control, scout corn fields
Armyworms (including Fall Armyworms) Chinch Bug	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	

Do not apply more than 0.10 pound active ingredient per acre per season including At-Planting plus foliar applications of Mustang Max EC Insecticide.

Do not apply within 30 days of harvest for grain and stover and 60 days for forage.

<sup>1</sup>For control before the larva bores into the plant stalk or ear.

<sup>2</sup>See resistance statement under "Directions for Use" section.

<sup>3</sup>Control may be variable depending on species present and host-plant relationships.

#### Cotton (14 day PHI)

Insects Controlled	Rate of Application	Method of Application
Preemergent Use: Cutworms	1.28 to 1.92 ounces (0.008 to 0.012 pound active) per acre	from 14 days prior to planting up to emer-
Cutworms Tobacco Thrips Soybean (banded) Thrips	1.28 to 1.92 ounces (0.008 to 0.012 pound active) per acre	or refined vegetable oil. When water is used, apply a minimum of one gallon of finished spray per acre by air or five gal-
Armyworm, Fall Armyworm, Yellow Striped Boll Weevil Cabbage Looper Corn Borer, European Cotton Bollworm Cotton Fleahopper Cotton Leaf Perforator	2.64 to 3.6 ounces (0.0165 to 0.0225 pound active) per acre	lons of finished spray with ground equip- ment. 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 applica- tions.
Pink Bollworm Saltmarsh Caterpillar Stink Bugs Tarnished Plant Bug Other Plant Bugs Tobacco Budworm <sup>1</sup>		For boll weevil control, apply Mustang Max EC at a 3 to 4 day interval until pest numbers are reduced to acceptable lev- els. Follow appropriate spray drift precau-
Armyworm, Beet <sup>2</sup> Cotton Aphid <sup>3</sup> Lygus Bugs Whiteflies <sup>4</sup>	2.8 to 4.0 ounces (0.0175 to 0.025 pound active) per acre	
Grasshoppers	3.0 to 4.0 ounces (0.01875 to 0.025 pound active) per acre	age and prescence of grasshoppers in cotton. Loss of cotyledon leaves in
		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 grasshop- per size and population density increas- es.

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

Do not graze or feed cotton for forage.

<sup>1</sup>See resistance statement under "Directions for Use" section.

<sup>2</sup>For control of beet armyworms only in the high plains of Texas, Arizona, and California.

<sup>3</sup>Aphid control may be variable depending on species present and host-plant relationships.

Canola, Crambe, Rapeseed, Borage, Cuphea, Echium, Flax, Gold of Pleasure, Hare's-Ear Mustard, Lesquerella, Lunaria, Meadowfoam, Milkweed, Mustard, Oil Radish, Poppy Seed, Sesame, and Sweet Rocket (7 Day PHI).

Insects	Rate of	Method of
Controlled	Application	Application
Aphids Cutworms Diamondback Moth Loopers Lepidopterous Larvae Flea Beetle Fleahoppers Grasshopper Plant Bug Stink Bugs Seedpod Weevil Thrips Whitefly Armyworms	4.0 ounces (0.025 pounds 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.  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).  Follow appropriate spray drift precautions on this label.

Do not apply more than 0.15 pounds active ingredient per acre per season.

Do not make applications less than seven days apart.

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 orkra); 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).

Insects Controlled	Rate of Application	Method of Application
Cutworm spp.	1.28 to 4.0 ounces (0.008 to 0.025 pounds active) per acre	based upon insect populations reaching locally determined economic threshold
Cabbage Looper Cucumber Beetle spp. (adult) Leafhopper spp. Melonworm Pickleworm Rindworm Squash Bug Squash Vine Borer	2.8 to 4.0 ounces (0.0175 to 0.025 pounds active) per acre	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.
Aphid spp. 1,2 Armyworm, Beet 1,2 Corn Earworm Leafminer Plant Bug spp. Stinkbug spp.	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	Follow appropriate spray drift precautions on this label.
Do not apply more than 0.15 pounds active ingredient per acre per season.  Aids in control.		
<sup>2</sup> See resistance statement under "Directions For Use" section.		

Fruiting Vegetables (except Cucurbits) (1 day phi) including: Eggplant; groundcherry (Physalis spp.); okra; pepino (Melon pear); pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); tomatillo; tomato.

Insects Controlled	Rate of Application	Method of Application
Armyworm, Southern Armyworm, True Armyworm, Yellow-striped Celery Leaf Tier Colorado Potato Beetle Corn Borer, European Corn Barworm Cucumber Beetle Cutworm spp. Flea Beetle Garden Webworm Green Stink Bug Hornworms Leafminers (adults) Leafhopper spp. Meadow Spittlebug Pepper Maggot (adults) Pepper Weevil Plant Bug spp. Tobacco Budworm² Tomato Printworm	(0.014 to 0.025 pound active) per acre	Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. 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). Follow appropriate spray drift precautions on this label.
Aphid spp. 2. 3 Armyworm, Beet <sup>2</sup> Armyworm, Fall Cabbage Looper Grasshoppers Lygus Bugs Brown Stink Bug Tomato Psyllid Thrips spp. <sup>1, 2</sup> Whitefly spp. <sup>1, 2</sup> Do not make applications less the	3.2 to 4.0 ounces (0.020 to 0.025 pound active) per acre	

Do not make applications less than 7 days apart.

Do not apply more than 0.15 pounds active ingredient per acre per season.

<sup>1</sup>Aids in control

<sup>2</sup>See resistance statement under "Directions for Use" section.

<sup>3</sup>Aphid control may be variable depending on species present and host-plant relationships.

<sup>&</sup>lt;sup>4</sup>Aids in control.

#### Grape (1 Day PHI).

Do not make applications less than seven days apart.

Insects Controlled	Rate of Application	Method of Application
Asian Lady Bird Beetle Lady Bird Beetle Cutworm species		locally determined economic threshold
Eastern grape leafhopper Variegated leafhopper Western grape leafhopper Grape Berry Moth Japanese Beetle (adult)	4.0 ounces (0.025 pounds active) per acre	levels.  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).  Follow appropriate spray drift precautions on this label.
Do not apply more than 0.15 pounds active ingredient per acre per season.		

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, 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, sprangletop, squirreltailgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass and zoysia grass. Also included are sudangrass and

sorghum forages and their hybrids.		
Insects Controlled	Rate of Application	Method of Application
Alfalfa Caterpillar Alfalfa Looper Alfalfa Weevil Cutworms Egyptian Alfalfa Weevil (larvae & adult) Flea Beetles Green Cloverworm Hornworms Meadow Spittlebug Potato Leafhopper Velvetbean Caterpillar Webworms Blue Alfalfa Aphid¹ Green Peach Aphid¹ Spotted Alfalfa Aphid¹ Threecornered Alfalfa Hopper	2.24 to 4.0 ounces (0.014 to 0.025 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.  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.  Follow appropriate spray drift precautions on this label.
Armyworms Cereal Leaf Beetle Chinch Bug Grass Mealybug Grasshoppers Plant Bugs (including Lygus spp. & Stink Bugs)	2.8 to 4.0 ounces (0.0175 to 0.025 pound active) per acre	

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 0.025 pounds active ingredient per acre may be applied per cutting.

For hay, a maximum of 0.10 pounds active ingredient per acre per season may be applied.

For forage, straw, and seed screenings, a maximum of 0.125 pounds 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. 

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

Leafy Vegetables (except Brassica) (1 day PHI): Amaranth (leafy amaranth, Chinese spinach, tampala); Arugula (Roquette); Cardoon; Celery; Celery, Chinese; Celtuce; Chervil; Chrysanthemum, edible-leaved and garland; Cilantro (not for use on cilantro grown for seed or coriander); Corn salad; Cress, garden; Cress, upland (yellow rocket, winter cress); Dandelion; Dock (sorrel); Endive (escarole); Fennel, Florence (finochio); Lettuce, head and leaf; Orach; Parsley; Purslane, garden; Purslane, winter; Radicchio (red chicory); Rhubarb; Spinach (including New Zealand and vine, Malabar spinach, Indian spinach); Swiss chard.

Insects Controlled	Rate of Application	Method of Application
Corn Earworm Cucumber Beetles Cutworms Diamondback Moth		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.
Flea Beetles Imported Cabbageworm Leafhoppers Saltmarsh Caterpillar Tobacco Budworm <sup>2</sup> Aphid spp. <sup>2,3</sup>		Lower rates of Mustang Max EC should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations.
Whitefly spp. 1,2		In areas where arid climatic conditions
Armyworms Ground Beetles Crickets	3.2 to 4.0 ounces (0.02 to 0.025 pound	persist, such as California and Arizona, higher than minimum recommended rates may be required.
Loopers Lygus Bugs Onion Thrips Stink Bugs Wireworm (adults)	active) per acre	Follow appropriate spray drift precautions on this label.

Do not make applications less than 7 days apart.

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

<sup>1</sup>Aids in control

<sup>2</sup>See resistance statement under "Directions For Use" section

<sup>3</sup>Aphid control may be variable depending on species present and host-plant relationships.

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.

Insects Controlled	Rate of Application	Method of Application
Cutworm spp. Thistle Caterpillar (Painted Lady) Saltmarsh Caterpillar Silverspotted Skipper	1.28 to 4.0 ounces (0.008 to 0.025 pound active) per acre	at intervals of 5 or more days. Timing
Alfalfa Caterpillar Armyworm, Southern Armyworm, True Armyworm, Yellow-Striped Bean Leaf Beetle Blister Beetle spp. Colorado Potato Beetle Corn Borer, European Corn Borer, Southwestern Corn Rootworm Beetle (adult) Cowpea Curculio Cucumber Beetle Flea Beetle Green Cloverworm Ground Beetles Imported Cabbageworm Japanese Beetle Leaf Skeletonizer spp. Leafmopper spp. Leafmopper spp. Leafmopper spp. Leafwican Bean Beetle Pea Weevil Pea Leaf Weevil Plant Bug spp. Potato Leafhopper Seedcorn Beetle Seedcorn Maggot (adult) Spittlebug Three-Cornered Alfalfa Hopper Tobacco Budworm 2 Velvetbean Caterpillar Webworm spp. Woolly Bear Caterpillar	2.72 to 4.0 ounces (0.017 to 0.025 pound active) per acre	sufficient water to obtain full coverage of
Aphid spp. <sup>2,3</sup> Armyworm, Beet <sup>2</sup> Armyworm, Fall Grasshoppers Lesser Cornstalk Borer <sup>1</sup> Looper spp. <sup>2</sup> Stink Bug spp. Thrips spp. <sup>1,2</sup> Whitefly spp. <sup>1,2</sup>	3.2 to 4.0 ounces (0.020 to 0.025 pound active) per acre	

Do not make applications less than 5 days apart.

Do not apply more than 0.15 pound active ingredient per acre per season.

<sup>1</sup>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)

Insects Controlled	Rate of Application	Method of Application
Cutworm spp. Green Cloverworm Velvetbean Caterpillar Red-necked Peanut Worm	1.28 to 4.0 ounces (0.008 to 0.025 pounds active) per acre	based upon insect populations reaching locally determined economic threshold
Bean Leaf Beetle Leafhopper spp. Southern Corn Rootworm (adult) Vegetable Weevil Whitefringed Beetle (adult)	1.76 to 4.0 ounces (0.011 to 0.025 pounds active) per acre	Apply by ground or air equipment using
Aphid spp. 1, 2 Armyworm, Beet 1, 2 Armyworm, Fall 1, 2 Corn Earworm Grasshopper spp. Lesser Cornstalk Borer 1, 2 Soybean Looper 1, 2 Stink Bug spp. 1, 2 Tobacco Thrips 2	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	days apart.

Do not apply more than 0.15 pounds active ingredient per acre per season.

Do not graze livestock in treated areas. Do not use treated vines or hay for animal feed. <sup>1</sup>Aids in control.

<sup>2</sup>See resistance statement under "Directions For Use" section.

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

Insects Controlled	Rate of Application	Method of Application
Apple Maggot Codling Moth European Apple Sawfly Green Fruitworm Japanese Beetle	1.28 to 4.0 ounces (0.008-0.025 pounds active) per acre	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.
Lesser Appleworm Oblique Banded Leafroller Oriental Fruit Moth Pandemis Leafroller Pear Psylla Plum Curculio		Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold levels.
Potato Leafhopper Redbanded Leafroller Rosy Apple Aphid Spirea Aphid Spotted Tentiform Leafminer Stink Bugs Tarnished Plant Bug		Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (for ground application use a minimum of 20 gallons for concentrate spray or a minimum of 100 gallons for dilute spray; for air application use a minimum of 10 gallons).
Tufted Apple Bud Moth Variegated Leafroller		Do not make applications less than 7 days apart.
White Apple Leafhopper		Avoid applications when honey bees are actively foraging by applying during the early morning or evening hours.
Do not carely move than 0.15 no		Follow appropriate spray drift precautions on this label.

Do not apply more than 0.15 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.

#### Rice and Wild Rice (14 day PHI)

Insects Controlled	Rate of Application	Method of Application
Armyworm, Fall Armyworm, True Armyworm, Yellow Striped Grasshoppers Green Bug Leafhopper Spp. Rice Water Weevil (adult) Oat Birdcherry Aphid Wild Rice Worm	3.2 to 4.0 ounces (0.020 to 0.025 pound active) per acre	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.  Mustang Max EC can be safely applied in conjunction with approved rice herbi-
Chinch Bug Rice Stink Bug	2.64 to 4.0 ounces (0.0165 to 0.025 pound active) per acre	cides.  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 insecticide 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 biotypes. Mustang Max EC may only provide suppression. If satisfactory control is not achieved with the first application of Mustang Max EC, a resistant biotype may be present. Use alternate chemistry for control.
		Follow appropriate spray drift precautions on this label.

Do not make applications less than 7 days apart.

Do not release floodwater within 7 days of an application.

A maximum of 0.10 pound active ingredient (1.0 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.

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

Root and Tuber Vegetables Group 1 (except Sugar Beet) (1 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); Radish; Rutabaga; Salsify (Oyster Plant); Black Salsify; Spanish Salsify; Skirret; Sweet Potato; Tanier (Cocoyam); Turmeric; Turnip; Yam Bean; and Yam (True).

Insects Controlled	Rate of Application	Method of Application
Cutworm spp.	1.28 to 4.0 ounces (0.008 to 0.025 pounds active) per acre	based upon insect populations reaching locally determined economic thresholds
Cabbage Looper Cucumber Beetle European Corn Borer Fleabeetle spp. Leafhopper spp. Southern Corn Rootworm (adult) Vegetable Weevil Whitefringed Beetle (adult)	1.76 to 4.0 ounces (0.011 to 0.025 pounds active) per acre	Apply by ground or air equipment using
Aphid spp. 1, 2 Armyworm, Beet 1, 2 Armyworm, Yellowstriped Cabbage Maggot Colorado Potato Beetle 2 Grasshopper spp. Imported Cabbageworm Potato Leafhopper Tarnished Plant Bug	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	
Do not apply more than 0.15 pounds active ingredient per acre per season.  Leaves of Root and Tuber Vegetables cannot be used for food or feed.  Follow appropriate spray drift precautions on this label.  Aids in control.  See resistance statement under "Directions For Use" section.		

#### Safflower (14 day phi)

Insects Controlled	Rate of Application	Method of Application
Cutworms	4.0 ounces (0.025 pound active) per acre	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.
		Apply with ground or air equipment using sufficient water and application methods to insure thorough coverage of foliage. Apply in water using a minimum of 15 gallons of finished spray per acre.
A maximum of 0.075 pounds active ingredient per acre per season may be applied.		

# Sorghum (Grain) and Millet (14 day phi for grain and stover; 45 day phi for forage):

Insects Controlled	Rate of Application	Method of Application
Cutworm spp. Sorghum Midge	1.28 to 4.0 ounces (0.008 to 0.025 pound active) per acre	
Armyworm, Fall Armyworm, Southern Armyworm, True Armyworm, Yellow-Striped Corn Borer, European¹ Corn Borer, Southwestern¹ Corn Earworm Flea Beetle spp.	1.76 to 4.0 ounces (0.011 to 0.025 pound active) per acre	
Hornworms Stink Bug spp. Webworm spp.	3.2 to 4.0 ounces	For sorghum midge control, begin applications when 25% of the sorghum heads have emerged and are in tip bloom. Repeat applications at 10-day
Aphid spp. <sup>2,3</sup> Armyworm, Beet <sup>3</sup> Chinch Bug False Chinch Bug Grasshopper spp. Lesser Cornstalk Borer <sup>1</sup> Thrips spp. <sup>3,4</sup> Whitefly spp. <sup>3,4</sup>	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	Linear model of the englant of the control of the c

Do not make applications less than 10 days apart.

Do not apply more than 0.125 pound active ingredient per acre per season.

<sup>1</sup>For control before the larva bores into the plant stalk.

#### Soybeans (21 day PHI):

Insects Controlled	Rate of Application	Method of Application
Cutworm spp. Painted Lady (Thistle) Caterpillar Saltmarsh Caterpillar Silverspotted Skipper	1.28 to 4.0 ounces (0.008 to 0.025 pound active) per acre	and frequency of applications should be based upon insect populations reaching locally determined economic thresholds.
Alfalfa Caterpillar Armyworm, Southern Armyworm, Southern Armyworm, Yellowstriped Bean Leaf Beetle¹ Blister Beetle spp. Colorado Potato Beetle Corn Borer, European Corn Earworm Corn Rootworm Beetle (adult) Cowpea Curculio Cucumber Beetle European Corn Borer Flea Beetle Green Cloverworm Hornworms Imported Cabbageworm Japanese Beetle Leaf Skeletonizer spp. Leafminers (adults) Mexican Bean Beetle Pea Leaf Weevil Plant Bug spp. Potato Leafhopper Seedcorn Maggot (adult) Soybean Aphid Spittlebug Three-Cornered Alfalfa Hopper Tobacco Budworm² Velvetbean Caterpillar Webworm spp. Woollybear Caterpillar	2.8 to 4.0 ounces (0.0175 to 0.025 pound active) per acre	
Armyworm, Beet Armyworm, Fall Grasshopper spp. Lesser Cornstalk Borer <sup>3</sup> Looper spp. <sup>2</sup> Stink Bug spp. Thrips spp. <sup>2,3</sup> Whitefly spp. <sup>2,3</sup> Whitefly spp. <sup>2,3</sup>	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	

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 0.15 pound active ingredient per acre per season.

<sup>1</sup>Use higher recommended dosage for increased pest pressure, increased residual pest control, or later-season applications.

<sup>2</sup>See resistance statement under "Directions For Use" section

<sup>3</sup>Aids in control

# 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).

Insects Controlled	Rate of Application	Method of Application
American Plum Borer Black Cherry Aphid Cherry Fruit Fly Green Fruitworm Leafrollers Leafhoppers Lesser Peach Tree Borer Peach Tree Borer Peach Tree Borer Peach Twig Borer Plum Curculio Oriental Fruit Moth Rose Chafer Stink Bugs Tarnished Plant Bug Tufted Apple Budmoth	1.28-4.0 ounces (0.008-0.025 pounds 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.
		Apply by ground or air equipment using sufficient water to obtain full coverage of foliage (for ground application use a minimum of 20 gallons for concentrate spray or a minimum of 100 gallons for dilute spray; for air application use a minimum of 10 gallons).
		Do not make applications less than 7 days apart.
Western Cherry Fruit Fly		Follow appropriate spray drift precautions on this label.

Do not apply more than 0.15 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.

<sup>&</sup>lt;sup>2</sup>Aphid control may be variable depending on species present and host-plant relationships.

<sup>&</sup>lt;sup>3</sup>See resistance statement under "Directions For Use" section

<sup>&</sup>lt;sup>4</sup>Aids in Control

#### Sugarcane (21 day phi)

Insects Controlled	Rate of Application	Method of Application
Sugarcane Borer Mexican Rice Borer	(0.01875 to 0.025	Make applications when insect popula- tions reach economic thresholds. Refer to local Cooperative Extension Pest Management Guidelines and/or scout- ing results.
		Apply by air or ground equipment using sufficient water to obtain full coverage of foliage (minimum of 2 gallons per acre by air and 10 gallons per acre by ground).
		Follow appropriate spray drift precautions on this label.
Do not make applications less than 21 days apart.		
Do not apply more than 0.10 pound active ingredient per acre per season.		

# 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)

Insects Controlled	Rate of Application	Method of Application
Thistle Caterpillar (Painted Lady) Cutworm species	1.28 to 4.0 ounces (0.008 to 0.025 pound active) per acre	methods to insure thorough coverage of foliage. Apply in a minimum of 2 gallons
Sunflower Beetle Sunflower Moth Sunflower Moth Sunflower Maggot Stem Weevil (adult) Grasshopper species Leafhopper species Head-Clipper Weevil (adult) Red Sunflower Seed Weevil (adult) Grey Sunflower Seed Weevil (adult) Saltmarsh Caterpillar Banded Sunflower Moth Armyworm Sunflower Butterfly Wooly Bear Caterpillar Japanese Beetle Webworm species	2.6 to 4.0 ounces (0.016 to 0.025 pound active) per acre	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 higher recommended dosage for increased residual pest control.
Long-Horned Beetle (Dectes Stem Borer adult) Beet Armyworm Fall Armyworm Stink Bug Species Pale striped Flea Beetle	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	

Do not apply more than 0.125 pound active ingredient per acre per season.

Do not make more than five applications at the maximum application rate per season.

Do not graze livestock in treated areas or cut treated crops for feed

Avoid applications when honey bees are actively foraging by applying during the early morning or evening hours.

Follow appropriate spray drift precautions (refer to the Spray Drift Precautions section).

# 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).

Insects	Rate of	Method of
Controlled	Application	Application
Black Pecan Aphid Codling Moth Filbert Worm Hickory Shuckworm Leaffooted Bugs Navel Orangeworm Oblique-banded Leafroller Peach Twig Borer Pecan Leaf Casebearer Pecan Nut Casebearer Pecan Weevil Plant Bugs Stink Bugs Walnut Aphid Walnut Husk Fly Yellow Pecan Aphid	3.2 to 4.0 ounces (0.02 to 0.025 pounds active) per acre	

Do not apply more than 0.125 pounds active ingredient per acre per season.

Do not make applications less than seven days apart.

#### Wheat and Triticale (14 day phi for grain, forage, and hay):

Insects Controlled	Rate of Application	Method of Application
Cutworm spp., including Army Cutworm Painted Lady (Thistle) Caterpillar	(0.008 to 0.025	Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds.
Armyworm, Southern Armyworm, True Armyworm, Yellowstriped Cereal Leaf Beetle Flea Beetle spp. Pale Wastern Cutworm Plant Bug spp. Spittlebug Webworm spp.	1.76 to 4.0 ounces (0.011 to 0.025 pound active) per acre	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.
Aphid spp. 12 Armyworm, Beet <sup>2</sup> Armyworm, Fall Chinch Bug Grass Sawfly Grasshopper spp. Greenbug 23 Stink Bug spp. Thrips spp. 23 Wheat Stem Sawfly (adult) <sup>3</sup> Whitefly spp. 23	3.2 to 4.0 ounces (0.02 to 0.025 pound active) per acre	

Do not make applications less than 14 days apart.

Do not apply more than 0.125 pound active ingredient per acre per season.

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

<sup>2</sup>See resistance statement under "Directions For Use" section

<sup>3</sup>Aids in Control

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