PLEASE NOTE

This image contains more than one label approved for this product on this date.

11/20/2008

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

NOV 2 0 2008

Christie Hitchcock Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd, Suite 300 Raleigh, NC 27609

Subject: Me-Too Label Amendment – Add Crop Uses Primary Brand Name Change

> EPA Reg. No. 66222-104 Lambda-Cy 1EC Your Submission Dated July 28, 2008

Dear Ms Hitchcock;

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

- Under Cereal grains/Sweet corn/Remarks revise "(0.025 lb.ai per acre)" to read "(0.025 lb.ai per acre)."
- Under Tuberous and Corm Vegetables/fl.oz./A revise "0.02-0.03" to read "2.56-3.84."

If you have questions regarding this action, please contact Olga Odiott at (703) 308-9369.

Sincerely.

Kimberly Nesci Interim Product Manager 13 Insecticide Branch Registration Division (7505P)

Enclosure

RESTRICTED USE PESTICIDE

DUE TO TOXICITY 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

SILENCER®

ACTIVE INGREDIENT:	%	BY WT.
Lambda-cyhalothrin; [1α(S*),3α(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl-3		12.7%
(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate		
OTHER INGREDIENTS:		87.3%
	TOTAL	100.0%
Contains 1 pound of active ingredient per gallon		

Contains 1 pound of active ingredient per gallon Contains Petroleum Distillate SHAKE WELL BEFORE USING

ACCEPTED

with COMMENTS

In EPA Letter Dated

NOV 2 0 2008 Under the Federal Insecticide. Fungicide, and Rodenticide Act. as amended, for the pesticide registered under EPA Reg. No.

66222-104

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Manufactured for: Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

EPA Reg. No. 66222-104

NET CONTENTS: ____ GALLONS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

	FIRST AID
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice.
	Do not give any liquid to the person.
	 Do not induce vomiting unless told to do so by a poison control center or doctor.
	 Do not give anything by mouth to an unconscious person.
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 ON SKIN OR	Take off contaminated clothing.
CLOTHING:	 Rinse skin immediately with plenty of water for 15-20 minutes.
	 Call a poison control center or doctor for treatment advice.
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.
Have the product co	ntainer or label with you when calling a poison control center or doctor or going for treatment. You
may also contact Pro	osar at 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN: Contains Petroleum Distillate. Vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Avoid breathing vapor or spray mist. Do not get in eyes, on skin, or on clothing. Wear appropriate protective clothing and eyewear as specified in the Personal Protective Equipment (PPE) section of this label. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Skin exposure may also result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2-30 hours, without damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

Applicators and other handlers must wear:

- Long sleeve shirt and long pants
- Chemical resistant gloves, such as barrier laminate or Viton ≥ 14 mils
- Shoes plus socks
- 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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

User should:

USER SAFETY RECOMMENDATIONS

- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic organisms and toxic to wildlife. Do not apply directly to water, or 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 water.

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 or weeds if bees are visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. 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.

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 24 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 of barrier laminate or Viton ≥14 mils
- Shoes plus socks
- Protective eyewear

GENERAL INFORMATION

Apply in sufficient water for thorough coverage of listed crops unless otherwise specifically noted. Rate of application should be based upon pest pressure, timing of sprays and field scouting. Use higher rates under heavy pest pressure and lower rates under low to moderate pest pressure. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds and other locally recommended methods. For ground and air applications, unless otherwise noted the following spray volumes are recommended:

Row Crops: By ground, apply in a minimum of 10 gallons of finished spray per acre. By air apply in a minimum of 2 gallons of finished spray per acre.

Orchard and Vine Crops: By ground, apply in a minimum of 50 gallons of finished spray per acre. By air, apply in a minimum of 10 gallons of finished spray per acre.

For cutworm control, Silencer may be applied before, during, or after planting. For soil incorporated applications, use higher rates for improved control.

RESISTANCE

Some insects tend 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.

SPRAY DRIFT PRECAUTIONS

BUFFER ZONES

Vegetative Buffer Strip

Constuct 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 lambda-cyhalothrin 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. 21 pp.

http://www.in.csusda/v/technical/agronom/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, streams, marshes, ponds, estuaries, and commercial fish ponds).

Buffer Zone for ULV Aerial Application

Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

Buffer Zone for Non-ULV Aerial Application

Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

In the state of New York, a 25 foot vegetated, non-cropped buffer strip untraversed by drainage tiles must be maintained between a treated field and a coastal salt marsh or stream that drains into a coastal salt marsh, for both aerial or ground application. For aerial applications, the 25 foot vegetated non-cropped buffer strip for runoff protection would be part of the larger 150 foot buffer strip (or 450 foot buffer strip for ULV application) required for spray drift.

SPRAY DRIFT REQUIREMENTS

Wind Direction and Speed

Only apply this product if the wind direction favors on-target deposition.

Do not apply when the wind velocity exceeds 15 mph.

Temperature Inversion

Do not make aerial or ground applications into temperature inversions.

Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Droplet Size

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

Additional Requirements for Ground Applications

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

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

Additional Requirements for Aerial Applications

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

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

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

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

TANK MIX APPLICATION

Fill the spray tank at least one-third full of clean water or diluent. With the pump and agitator running continuously, add the recommended amount of each product in the tank mix to the spray tank and allow to fully disperse, adding Silencer last. Add the remainder of water or diluent to the spray tank. Follow the precautions and limitations of the most restricted product in the tank mixture.

Compatibility testing for tank mixing partners: Test compatibility of the intended tank mixture by adding proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates that do not readily redisperse indicates an incompatible mixture that should not be used.

Non-emulsifiable oils are not recommended for use in combination with Silencer. If adjuvants are used, use only:

- Nonionic Surfactant (NIS) containing at least 75% surface agent, or
- Non-phytotoxic Crop Oil Concentrate (COC) including once refined Vegetable Oil concentrate (VOC), or
- Methylated Seed Oils (MSO) containing a minimum of 17% emulsifier.

Adjuvants other than NIS or COC may be used providing the product;

- 1. Contains only EPA exempt ingredients.
- 2. Is non-phytotoxic to the target crop.
- 3. Is compatible in mixture (may be established through a jar test).
- 4. Is supported locally for use with Silencer on the target crop through proven field trials and through university and extension recommendations.

The following may be used as diluents:

Crop Oil Concentrate Methylated Seed Oils

Urea-Ammonium Nitrate

The following should not be used in combination with Silencer as diluents or adjuvants:

Non-emulsifiable Oils

Diesel Fuel

Straight Mineral Oil

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

CHEMIGATION

Sprinkler Irrigation Application

Apply Silencer at rates and timing described elsewhere in this label. Consult your local State Extension Service or other local experts for recommendations pertinent for your area.

Thorough, uniform coverage of foliage is required for good control. Good agitation in the pesticide supply tank should be maintained prior to and during the entire application period.

Apply by injecting the recommended rate of Silencer into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target area in 0.1-0.2 acre-inch of water. In general, use the least amount of water required for proper distribution and coverage. The product should be injected into the main irrigation line ahead of a right angle turn in the line to insure adequate dispersion or mixing in the irrigation water. Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system.

Additionally, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of Silencer for the area covered should be injected into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution.

It is not recommended that Silencer be applied through an irrigation system connected to a public water system. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves and average of at least 25 individuals daily at least 60 days out of the vear.

Use Precautions: Sprinkler Irrigation Application

Apply this product only through sprinkler irrigation systems (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have guestions about calibration, you should contact state extension service specialist, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

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 a low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must 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 affected.

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.

Do not apply through chemigation systems connected to public water systems.

AGRICULTURAL USES REMARKS CROP TARGET PESTS RATE lb. a.i./A fl. oz./A ALFALFA AND Alfalfa Caterpillar 0.015-0.025 Ground application: Apply in a minimum of 10. 1.92-3.20 gals, per acre or sufficient spray volume to ALFALFA GROWN Army cutworm Cutworm spp. obtain full coverage of the foliage or target area. FOR SEED Green Cloverworm Air application: Apply in a minimum of 2 gals. Leafhopper spp. coverage of the foliage or target area. Looper spp.

CROP USE RECOMMENDATIONS

per acre or sufficient spray volume to obtain full Threecornered Alfalfa Make applications when pests appear. Apply in Hopper sufficient volume to ensure sufficient coverage of Velvetbean Caterpillar foliage When foliage is dense and/or pest populations Webworm spp.

	Alfalfa Seed Chalcid (Adult) Alfalfa Weevil	0.02-0.03	2.56-3.84	are high, use 5-10 gals./A by air or 20 gals./A by ground and higher use rates. Use higher rates
	Armyworm			for increased residual control.
	Bean Leaf Beetle (Adult)			Avoid application when bees are actively
	Blister Beetle spp.			foraging by applying during the early morning or
	Blue Alfalfa Aphid			during the evening hours. Be aware of bee
	•			hazard resulting from a cool evening and/or
	Clover Leaf Weevil spp.			
	Clover Root Borer (Adult)	i ·		morning dew. It may be advisable to remove
	Clover Root Curculio spp.			bee shelters during and for 2-3 days following
	(Adult)			application. Avoid direct application to bee
	Clover Stem Borer (Adult)			shelters.
	Corn Earworm			Apply only to fields planted to pure stands of
	Cowpea Aphid			alfalfa.
	Cowpea Curculio (Adult)			Apply as required by scouting.
	Cowpea Weevil (Adult)			¹ For control of first and second instars only.
	Cucumber Beetle spp.			² Suppression only.
				³ See resistance statement under GENERAL
	(Adult)]		
	Egyptian Alfalfa Weevil			INFORMATION.
	Fall Armyworm ¹			⁴ Does not include Western Flower Thrips
	Grape Colaspis (Adult)			
,	Grasshopper spp.			
	Green June Beetle (Adult)			
	Green Peach Aphid ³			
	Japanese Beetle (Adult)		•	
	Meadow Spittlebug			
	Mexican Bean Beetle			
		1		
	Pea Aphid			
	Pea Weevil (Adult)	1		
	Plant Bug spp., including			
	Lygus spp. ³			
	Spotted Alfalfa Aphid			
	Stink Bug spp.			· · ·
	Sweet Clover Weevil (Adult)	-		
	Thrips spp. ⁴			
			÷	
	Western Yellow-striped			
	Armyworm			
	Whitefringed Beetle spp.			
	28.3.115	1		
	(Adult)			
	Yellow-striped Armyworm	0.03	3.84	
	Yellow-striped Armyworm Beet Armyworm ^{1,3}	0.03	3.84	
	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³	0.03	3.84	
	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ²			
	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0	3 Ib.a.i. (0.24 pt.)	per acre per cutting	
	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1	3 Ib.a.i. (0.24 pt.) 2 Ib. a.i. (0.96 pt.)	per acre per cutting per acre per seaso	n.
	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0	3 Ib.a.i. (0.24 pt.) 2 Ib. a.i. (0.96 pt.)	per acre per cutting per acre per seaso	n.
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) f harvest for forage	per acre per cutting per acre per seaso	n.
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp.	3 Ib.a.i. (0.24 pt.) 2 Ib. a.i. (0.96 pt.)	per acre per cutting per acre per seaso or within 7 days of	n. f harvest for hay. Ground application: Apply in sufficient spray
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) f harvest for forage	per acre per cutting per acre per seaso or within 7 days of	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp.	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) f harvest for forage	per acre per cutting per acre per seaso or within 7 days of	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area.
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CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1. • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) f harvest for forage	per acre per cutting per acre per seaso or within 7 days of	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) f harvest for forage	per acre per cutting per acre per seaso or within 7 days of	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area.
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CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug	3 Ib.a.i. (0.24 pt.) 2 Ib. a.i. (0.96 pt.) 1 harvest for forage 0.015-0.03	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at
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CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) f harvest for forage 0.015-0.03 0.03	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.00	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) 6 harvest for forage 0.015-0.03 0.03 0 harvest. 9 lb. a.i. (0.72 pt.)	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 per acre per year.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage.
CANOLA	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) 6 harvest for forage 0.015-0.03 0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.)	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 per acre per year. RATE	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient
CROP	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) Ib. a.i./A	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS
CROP	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.00	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) 6 harvest for forage 0.015-0.03 0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.)	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS
CROP CEREAL GRAINS:	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 1b. a.i./A 0.005 lb. a.i.	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7
CROP CEREAL GRAINS: Corn (At-Plant):	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply wore than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican)	3 lb.a.i. (0.24 pt.) 2 lb. a.i. (0.96 pt.) harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 1b. a.i./A 0.005 lb. a.i.	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Popcorn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp.	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band application behind the press wheel.
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Popcorn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band application behind the press wheels. In-Furrow Applications: Apply into the seed
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Popcorn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Beetle	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Popcorn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Beetle Lesser Cornstalk Borer	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Beetle	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheel. In-Furrow Applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of the press wheel.
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² Do not apply more than 0.0 Do not apply more than 0.1 Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid Do not apply within 7 days of Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Beetle Lesser Cornstalk Borer	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Beetle Lesser Cornstalk Borer White Grub spp. Wireworm spp.	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) 10. a.i./A 0.005 lb. a.i. 0, per 1000 ft. c	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. fg. per 1000 ft.	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of the press wheel. Apply a minimum of 3 gals. of finished spray/A.
CROP CEREAL GRAINS: Corn (At-Plant): field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Maggot Seedcorn Beetle Lesser Cornstalk Borer White Grub spp. Wireworm spp. Red Imported Fire Ant ¹	3 lb.a.i. (0.24 pt.) (2 lb. a.i. (0.96 pt.) (harvest for forage 0.015-0.03 0.03 of harvest. 9 lb. a.i. (0.72 pt.) (1b. a.i./A 0.005 lb. a.i. per 1000 ft. c row ²	per acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. per 1000 ft. of row ²	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of the press wheel. Apply a minimum of 3 gals. of finished spray/A. ¹ Suppression only.
CROP CROP Corn (At-Plant): Field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Maggot Seedcorn Beetfe Lesser Cornstalk Borer White Grub spp. Wireworm spp. Red Imported Fire Ant ¹ ² lbs. ai and fl. oz./A	3 Ib.a.i. (0.24 pt.) (2 Ib. a.i. (0.96 pt.) (1 harvest for forage 0.015-0.03 (1 harvest of forage 0.015-0.03 (1 harvest) (1 ha	acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. of row ² ed at 0.66 fl. oz./1	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of the press wheel. Apply a minimum of 3 gals. of finished spray/A. ¹ Suppression only. 000 ft. of row for various row spacings:
CROP CROP Corn (At-Plant): Field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Beetle Lesser Cornstalk Borer White Grub spp. Wireworm spp. Red Imported Fire Ant ¹ ² Ibs. ai and fl. oz./A Row Spacing	3 Ib.a.i. (0.24 pt.) 2 Ib. a.i. (0.96 pt.) 1 harvest for forage 0.015-0.03 0.03 0 harvest. 9 Ib. a.i. (0.72 pt.) 10 harvest. 9 Ib. a.i. (0.72 pt.) 10 harvest. 9 Ib. a.i. (0.72 pt.) 10 harvest. 9 har	are per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 area acre per year. BATE fl. oz./A 0.66 fl. oz./A 0.66 fl. oz./1 area at 0.66 fl. oz./1 38″ 36″	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of the press wheel. Apply a minimum of 3 gals. of finished spray/A. ¹ Suppression only. 000 ft. of row for various row spacings: 34" 32" 30"
CROP CEREAL GRAINS: Corn (At-Plant): Field Corn Seed Corn Seed Corn	Yellow-striped Armyworm Beet Armyworm ^{1,3} Blotch Leafminer ³ Spider Mites ² • Do not apply more than 0.0 • Do not apply more than 0.1 • Do not apply within 1 day of Armyworm spp. Cabbage Seedpod Weevil Cutworm spp. Diamondback Moth Flea Beetle Grasshoppers Looper spp. Lygus Bug Cabbage Aphid • Do not apply within 7 days of • Do not apply more than 0.0 TARGET PESTS Corn Rootworm Larvae (Western, Northern, Southern Mexican) Cutworm spp. Seedcorn Maggot Seedcorn Maggot Seedcorn Beetfe Lesser Cornstalk Borer White Grub spp. Wireworm spp. Red Imported Fire Ant ¹ ² lbs. ai and fl. oz./A	3 Ib.a.i. (0.24 pt.) 2 Ib. a.i. (0.96 pt.) 1 harvest for forage 0.015-0.03 0.03 of harvest. 9 Ib. a.i. (0.72 pt.) 1b. a.i./A 0.005 Ib. a.i. per 1000 ft. c row ² 100 ft. d 0.05 Ib. a.i. per 1000 ft. c 100 ft. d 100 f	acre per cutting per acre per seaso or within 7 days of 1.92-3.84 3.84 3.84 per acre per year. RATE fl. oz./A 0.66 fl. oz. of row ² ed at 0.66 fl. oz./1	n. f harvest for hay. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. REMARKS Banded Applications: Apply at planting as a 5-7 inch T-band sprayed across the open seed furrow between the furrow openers and the press wheels or as a band applications: Apply into the seed furrow through spray nozzles or microtubes behind the planter furrow openers and in front of the press wheel. Apply a minimum of 3 gals. of finished spray/A. ¹ Suppression only. 000 ft. of row for various row spacings:

	Fl. oz. per acre		9.1 9.6	10.1 10.8 11.5				
	 Do not harvest or graze livesto 	ck or cut treated o	crops for feed wi	thin 21 days of at-plant application.				
	Do not apply more than 0.09 lb							
		Do not apply more than 0.12 lb. a.i. per acre per crop from at-plant and foliar applications for field corn, popcorn, ar						
				per acre per crop from at-plant and foliar applicatio				
EREAL GRAINS	Corn Earworm	0.015-0.025	1.92-3.20	Ground application: Apply in sufficient spray				
Corn (Foliar):	Cutworm spp.	0.010 0.020	1.02 0.20	volume to obtain full coverage of the foliage or				
Field Corn	Green Cloverworm			target area.				
Popcorn	Meadow Spittlebug			Air application: Apply in a minimum of 2 gals.				
Seed Corn	Western Bean Cutworm ¹			per acre or sufficient spray volume to obtain full				
Seed Com		0.02-0.03	2.56-3.84	coverage of the foliage or target area.				
	Armyworm ²	0.02-0.03	2.00-3.04					
	Bean Leaf Beetle			Make applications when pests appear and repe				
	Bird Cherry-Oat Aphid ³			applications as necessary, usually at intervals o				
	Cereal Leaf Beetle			or more days. Apply in sufficient volume to				
	Corn Leaf Aphid ³		1	ensure sufficient coverage of foliage.				
	English Grain Aphid			Chinch bug control: Begin applications when bu				
	European Corn Borer			migrate from small grains or grass weeds to sm				
	Fall Armyworm ²			corn. Direct spray to the base of corn plants.				
	Flea Beetle spp.			Repeat applications at 3-5 day intervals if neede				
	Grasshopper spp.			Silencer may only suppress heavy infestations				
	Hop Vine Borer ¹			and/or subsequent migrations.				
	Japanese Beetle (Adult)			Adult corn rootworm beetles (Diabrotica specie				
•	Lesser Cornstalk Borer): Use a minimum of 3.84 fl. oz. per acre (0.03 l				
	Mexican Corn Rootworm Beetle			a.i. per acre) as part of an aerial-applied corn				
	(Adult)			rootworm control program.				
•	Northern Corn Rootworm Beetle			¹ For control before the larva bores into the plan				
	(Adult)			stalk or ear.				
•	Sap Beetle (Adult)			² For control of first and second instar only.				
	Seedcorn Beetle			³ Suppression only.				
	Southern Corn Rootworm		4	⁴ See resistance statement under GENERAL				
	Beetle			INFORMATION.				
	(Adult)							
	Southwestern Corn Borer ¹							
	Stalk Borer ¹							
	Stink Bug spp.							
	Tobacco Budworm ^{1,4}							
	Webworm spp.							
	Western Corn Rootworm Beetle							
	(Adult)							
	Yellow-striped Armyworm ²							
	Beet Armyworm ⁴	0.03	3.84					
	Chinch Bug Green Bug ^{3,4}							
	Southern Corn Leaf Beetle ³		}					
	Rice Stalk Borer							
	Mexican Rice Borer							
	Sugarcane Borer ¹		L					
	 Do not apply within 21 days of 	harvest.						
			r harvest treat c	orn forage as feed for meat or dairy animals within				
	day after last treatment.							
	-	r or silage to meat	or dairy animal	s within 21 days after last treatment.				
		-	-	om at-plant and foliar applications.				
	 Do not apply more than 0.06 lb 			on at plant and rollar applications.				

Do not apply more than 0.06 lb. a.i. (0.48 pt.) after silk initiation.
 Do not apply more than 0.03 lb. a.i. (0.24 pt.) after corn has reached the milk stage (yellow kernels with milky fluid).

CROP	TARGET PESTS	RA	TE	REMARKS
		lb. a.i./A	fl. oz./A	
CEREAL GRAINS	Aphid spp. ^{2.3}	0.02-0.03	2.56-3.84	Ground application: Apply in
Corn (Foliar):	Armyworm ¹	-		sufficient spray volume to obtain full
Sweet Corn	Astér Leafhopper			coverage of the foliage or target
	Beet Armyworm ^{1,3}			area.
	Chinch Bug			Air application: Apply in a minimur
•	Common Cornstalk Borer			of 2 gals, per acre or sufficient spray
	Corn Earworm			volume to obtain full coverage of the
	Cutworm spp.			foliage or target area.
	European Corn Borer			Make applications when pests
	Fall Armyworm ¹			appear and repeat applications as
	Flea Beetle spp.			necessary, usually at intervals of 4 c
	Grasshopper spp.			more days and before insects enter
	Japanese Beetle (Adult)			the stalk or ear. Apply in sufficient
	Mexican Corn Rootworm			volume to ensure sufficient coverage
	Beetle (Adult)			of foliage and ears (if present).
	Northern Corn Rootworm			Adult corn rootworm beeties
	Beetle (Adult)			(Diabrotica_species): Use a
	Sap Beetle (Adult)			minimum of 3.2 fl. oz. per acre
	Southern Armyworm ¹			
		•		(0.0.25 lb. a.i. per acre) as part of an
	Southern Corn Rootworm			aerial-applied corn rootworm control
	Beetle (Adult)			program.
	Southwestern Corn Borer			'For control of first and second insta
	Spider Mite spp. ²			only.
	Stink Bug spp.			² Suppression only.
	Tarnished Plant Bug			³ See resistance statement under
,	Webworm spp.	• ·		GENERAL INFORMATION.
	Western Bean Cutworm			
	Western Corn Rootworm			
	Beetle (Adult)			
	Yellow-Striped Armyworm ¹			
	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² • Do not apply within 1 day of • Do not allow livestock to gra	ze in treated areas	3.84 or harvest treated	l corn forage as feed for meat or dairy
	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod	harvest. ze in treated areas st treatment. der or silage to me	or harvest treated	s within 21 days after last treatment.
	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications.
	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid	harvest. ze in treated areas st treatment. der or silage to me	or harvest treated	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in
Rice	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full
Rice	Yellow-Striped Amyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target
Rice	Yellow-Striped Amyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp.	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area.
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Rice	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp.	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild
Rice	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and
Rice	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult)	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per da
Rice	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult) Riceworm	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per da must wear dust/mist respirator. Appl
Rice	Yellow-Striped Armyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult)	harvest. ze in treated areas st treatment. der or silage to me b lb. a.i. (3.84 pts.)	or harvest treated at or dairy animals per acre per crop	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per da must wear dust/mist respirator. App in a minimum of 2 gals. per acre in
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Rice	Yellow-Striped Amyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult) Riceworm Sharpshooter spp. True Armyworm Yellow Sugarcane Aphid Yellow-striped Armyworm European Corn Borer ¹ Mexican Rice Borer ¹ Rice Seed Midge	harvest. ze in treated areas st treatment. der or silage to me lb. a.i. (3.84 pts.) 0.025-0.04	or harvest treated at or dairy animals per acre per crop 3.20-5.12	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per da must wear dust/mist respirator. Appl in a minimum of 2 gals, per acre in sufficient spray volume to obtain full coverage of the foliage or target area. Adding 1 pint per acre of an emulsifiable crop oil will help improv coverage, reduce evaporation, and improve efficacy.
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CEREAL GRAINS: Rice Wild Rice	Yellow-Striped Amyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult) Riceworm Sharpshooter spp. True Armyworm Yellow Sugarcane Aphid Yellow-striped Armyworm European Corn Borer ¹ Mexican Rice Borer ¹	harvest. ze in treated areas st treatment. der or silage to me lb. a.i. (3.84 pts.) 0.025-0.04	or harvest treated at or dairy animals per acre per crop 3.20-5.12	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per da must wear dust/mist respirator. Appl in a minimum of 2 gals. per acre in sufficient spray volume to obtain full coverage of the foliage or target area. Adding 1 pint per acre of an emulsifiable crop oil will help improvi coverage, reduce evaporation, and improve efficacy. Monitoring of insect populations should be used to determine timing nad frequency of applications. Scout fields at a minimum of 5 day intervals. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5-7 days. Apply in sufficient volume to
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Rice	Yellow-Striped Amyworm ¹ Corn Silkfly (Adult) ² Do not apply within 1 day of Do not allow livestock to gra animals within 1 day after la Do not feed treated corn fod Do not apply more than 0.48 Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult) Riceworm Sharpshooter spp. True Armyworm Yellow Sugarcane Aphid Yellow-striped Armyworm European Corn Borer ¹ Mexican Rice Borer ¹	harvest. ze in treated areas st treatment. der or silage to me lb. a.i. (3.84 pts.) 0.025-0.04	or harvest treated at or dairy animals per acre per crop 3.20-5.12	s within 21 days after last treatment. from at plant and foliar applications. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per da must wear dust/mist respirator. Appl in a minimum of 2 gals. per acre in sufficient spray volume to obtain full coverage of the foliage or target area. Adding 1 pint per acre of an emulsifiable crop oil will help improvi coverage, reduce evaporation, and improve efficacy. Monitoring of insect populations should be used to determine timing nad frequency of applications. Scout fields at a minimum of 5 day intervals. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5-7 days. Apply in sufficient volume to

CROP	TARGET PESTS		TE fl. oz./A	REMARKS
CEREAL		lb. a.i./A	11. OZ./A	Rice Water Weevil: In dry seeded
GRAINS:				rice, make a foliar application as
Rice				indicated by scouting for the
Wild Rice				presence of adults and/or feeding
(continued)				scars usually within 0-5 days after
				permanent flood establishment. Do
				not exceed 10 days from starting
				permanent flood until insecticide
				application unless scouting indicates
				weevils have not been previously
				present. Adults may also be treated
				at later stages of rice development to
				reduce overwintering populations. In
				water seeded rice, make the first
.				foliar application after pinpoint flood
			-	as indicated by scouting for the
				presence of adults and/or feeding
				scars usually when rice has emerged
· .				0.5 inch above the waterline. Under
				conditions of prolonged migration
		i i		into the field, start field scouting for
				rice water weevil adults and/or
				feeding scars 3-5 days after the initia
1				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. California: In addition to above
				directions, for control of rice water
				weevil in water seeded rice, Silencer
				may be applied at the 1- to 3-leaf
			1	growth stage with the majority at the
			1	2-leaf growth stage.
				Adults are vulnerable on levees and
				in the water. Larvae are vulnerable
}				while feeding on the leaf prior to
				entering the soil. Monitor for adults
				based upon field history and density
				of population. Monitor field edges
	·			and levee areas for adults. Treat in
				the following manner: a) spray the
				inside perimeter of the field, or b)
				spray the entire field.
. [1	Green Bug: Known to have many
				biotypes, Silencer may only provide
				suppression. If satisfactory control is
				not achieved, a resistant biotype may
			1	be present. Use alternate chemistry
				for control.
				For control of stem borers, scout
		1		fields, when rice growth is near
ĺ				panicle differentiation, for early
				symptoms of damaging populations
				exhibited as discoloration (orange-
ł		ĺ		tan) around the junction of the leaf
			1	sheath and leaf blade which is
			1	caused by feeding of young larvae
				within the sheath. Applications must
				be made before larvae bore into rice
				stems. Make the first application at
			· .	panicle differentiation to 2 inch
				panicle for partial control. Make the
				second application at boot to heading
				for maximum control. All rice
				varieties are susceptible to stem
				borer damage, but Cocodrie and
				Priscilia are particularly susceptible.
		1		¹ For control before the larvae bores
				into the plant stalk.

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CEREAL GRAINS: Rice Wild Rice (continued)	 Do not release floodwater within 7 days of an application. Do not apply more than 0.12 lb. a.i. (0.96 pt.) per acre per season. Do not apply more than 0.04 lb a.i. (0.32 pt.) per acre within 21 to 27 days of harvest. Do not apply within 21 days of harvest. Do not use treated rice fields for the aquaculture of edible fish and crustacea. Do not apply as an ultra-low volume (ULV) spray.
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CROP	TARGET PESTS	RA	TE	REMARKS
		1b. a.i./A	fl. oz./A	
CEREAL GRAINS:	Cutworm spp. Sorghum Midge	0.015-0.02	1.92-2.56	Ground application: Apply in sufficient spray volume to obtain full
Sorghum (Grain)		0.02-0.03	2.56-3.84	coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage.
	Chinch Bug Mexican Rice Borer ² Rice Stalk Borer ² Sugarcane Borer ²	0.03	3.84	 Sorghum Midge: Begin applications when 25% of the sorghum heads have emerged and are in tip bloom. Repeat applications at 5 day intervals if needed. Chinch Bug: Begin applications when bugs migrate from small grains or grass weeds to small sorghum. Direct spray to the base of sorghum plants. Repeat applications at 3 to 5 day intervals if needed. Silencer may only suppress heavy infestations and/or subsequent migrations. ¹For control of first and second instar only. ²For control before the larva bores into the plant stalk. ³See resistance statement under GENERAL INFORMATION.

Do not apply more than 0.06 lb. a.i. (0.48 pt.) per acre per season after crop emergence.
Do not apply more than 0.02 lb. a.i. (0.16 pt.) per acre per season once crop is in soft dough stage.

CROP	TARGET PESTS	RA		REMARKS
	-	lb. a.i./A	fl. oz./A	
CEREAL	Army Cutworm	0.015-0.025	1.92-3.20	Ground application: Apply in
GRAINS:	Cutworm spp.			sufficient spray volume to obtain ful
Barley	Armyworm	0.02-0.03	2.56-3.84	coverage of the foliage or target
Buckweat	Bird Cherry-Oat Aphid ¹		·	area.
Dats	Cereal Leaf Beetle			Air application: Apply in a minimu
Rye	English Grain Aphid			of 2 gals. per acre or sufficient spray
Friticale	Fall Armyworm			volume to obtain full coverage of the
Wheat Wheat Hay	Flea Beetie spp.			foliage or target area. Make applications when pests
wileat hay	Grasshopper spp. Hessian flγ⁴			appear and repeat applications as
	Orange Blossom Wheat Midge			necessary, usually at intervals of 5 c
	Russian Wheat Aphid ¹			more days. Apply in sufficient
	Stink Bug spp.			volume to ensure sufficient coverage
	Yellow-striped Armyworm			of foliage.
	Grass Sawfly	0.025-0.03	3.20-3.84	Chinch Bug: Repeat applications at
	Chinch Bug	0.03	3.84	to 5 day intervals if needed. Silence
	Corn Leaf Aphid ²	0.00	0.04	may only suppress heavy
	Greenbug ^{1,3}			infestations and/or migrations.
	Mite spp. ²			Green Bug: Known to have many
				biotypes, Silencer may only provide
				suppression. If satisfactory control
				not achieved, a resistant biotype ma
		1		be present. Use alternate chemistry
				for control.
				Best control is obtained before
				insects begin to roll leaves. Once
				wheat has started to boot, Silence
				may provide suppression only.
				Higher rates and increased
				 coverage will be necessary. ²Suppression only.
		, in the second s		³ See resistance statement under
				GENERAL INFORMATION.
			•	⁴ Make applications when adults
				emerge.
	 Do not apply within 30 days 			
	- Do not allow livestock to an			
				ed wheat forage as feed for meat or
	dairy animals within 7 days	after treatment. Do		
	dairy animals within 7 days days after the last treatmen	after treatment. Do t.	not feed treated	straw to meat or dairy animals within 3
	dairy animals within 7 daysdays after the last treatmenDo not apply more than 0.0	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p	not feed treated er acre per seas	straw to meat or dairy animals within 3 on.
	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper	after treatment. Do t.	not feed treated	straw to meat or dairy animals within 3 on. Ground application: Apply in
lead and stem	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p	not feed treated er acre per seas	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful
lead and stem rassica crop	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p	not feed treated er acre per seas	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target
lead and stem trassica crop roup	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp.	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p	not feed treated er acre per seas	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area.
ead and stem rassica crop roup icluding:	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p	not feed treated er acre per seas	straw to meat or dairy animals within 3 on. Sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu
ead and stem rassica crop roup actuding: roccoli	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spra
ead and stem rassica crop roup icluding: roccoli russels Sprouts	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ^{2.3}	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p	not feed treated er acre per seas	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spra volume to obtain full coverage of the
lead and stem rassica crop roup ncluding: roccoli russels Sprouts cabbage	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ^{2,3} Armyworm	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area.
lead and stem rassica crop roup notuding: roccoli russels Sprouts abbage avalo Broccolo	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ^{2,3} Armyworm Beet Armyworm ^{1,3}	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests
lead and stem rassica crop roup ncluding: roccoli russels Sprouts abbage avalo Broccolo auliflower	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ^{2,3} Armyworm Beet Armyworm ^{1,3} Corn Earworm	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as
lead and stem prassica crop roup netuding: proccoli prussels Sprouts abbage avalo Broccolo cauliflower chinese Broccoli	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ^{2,3} Armyworm Beet Armyworm ^{1,3} Corn Earworm Diamondback Moth ³	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 of
lead and stem rassica crop roup including: roccoli russels Sprouts abbage avalo Broccolo auliflower hinese Broccoli (gai lon)	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ^{2,3} Armyworm Beet Armyworm ^{1,3} Corn Earworm	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 of more days. Apply in sufficient
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lead and stem rassica crop roup notuding: roccoli russels Sprouts abbage avalo Broccolo auliflower hinese Broccoli (gai lon) hinese abbage (napa) hinese Mustard Cabbage (gai	dairy animals within 7 days days after the last treatmen Do not apply more than 0.0 Alfalfa Looper Cabbage Looper Cabbage Webworm Cutworm spp. Imported Cabbageworm Southern Cabbageworm Aphid spp. ²³ Armyworm Beet Armyworm ^{1,3} Corn Earworm Diamondback Moth ³ Fall Armyworm ¹ Flea Beetle spp. Grasshopper spp. Japanese Beetle (Adult)	after treatment. Do t. 6 lb. a.i. (0.48 pt.) p 0.015-0.025	not feed treated er acre per seas 1.92-3.20	straw to meat or dairy animals within 3 on. Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimu of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 c more days. Apply in sufficient volume to ensure sufficient coverag of foliage. 'For control of first and second insta only.
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CROP	TARGET PESTS	RATE		REMARKS
		lb. a.i./A	fl. oz./A	
COTTON	Cutworm spp. Soybean Thrips Tobacco Thrips	0.015-0.02	1.92-2.56	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target
	Cabbage Looper Cotton Fleahopper Cotton Leafperforator Cotton Leafworm Lygus Bug spp. ³ Pink Bollworm Saltmarsh Caterpillar	0.02-0.03	2.56-3.84	area. Air application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. ULV application: Silencer may be mixed with once-refined vegetable oil and applied in a minimum of at least
	Bandedwing Whitefly ^{2,3} Beet Armyworm ^{1,3} Boll Weevil Brown Stink Bug Cotton Aphid ^{2,3} Cotton Bollworm European Corn Borer Fall Armyworm Green Stink Bug Southern Green Sting Bug Sweetpotato Whitefly ^{2,3} Tobacco Budworm ³ Two-spotted Spider Mite ²	0.025-0.04	3.20-5.12	 1 qt. of finished spray per acre. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 to 7 days. Apply in sufficient volume to ensure sufficient coverage of foliage. Under light bollworm/budworm infestation levels, 0.02 lb. a.i. per acre may be applied in conjunction with intense field monitoring. <u>Boll Weevil</u>: Spray on a 3- to 5-day schedule. <u>Cotton Bollworm, Tobacco Budworm</u>: Silencer also provides ovicidal control of unhatched <i>Heliothine</i> spp. eggs. ¹For control of first and second instar only. ²Suppression only. ³See resistance statement under
	Do not apply within 21 days Do not graze livesteels in tree			GENERAL INFORMATION.
	products) to a cotton crop in limited to Ambush® insection esfenvalerate insecticide), f insecticide), Capture® insecticide/miticide (or othe insecticide (or other lambda	b pts. (0.2 lb.a.i.) pe tal of 10 synthetic p n one growing sease cide (or other perme Baythroid® emulsifia dicticide/miticide (or or r fenpropathrin insecti a-cyhalothrin insecti	byrethroid applica on. Synthetic pyr thrin insecticide), able pyrethroid in ther bifenthrin ins cticide), Decis® i cide), Karate® ins	n. attions (of one product or combination of rethroid products include but are not , Asana® XL insecticide (or other secticide (or other cyfluthrin secticide), Danitol® 2.4 EC Spray nsecticide, Fanfare® 2EC, Karate® secticide with Zeon® technology, n Zeon® technology (or other lambda

CROP	TARGET PESTS	RATE		REMARKS
-		b. a.i./A	fl. oz./A	
CUCURBIT VEGETABLES CROP GROUP Including: Chayote (fruit) Chinese Waxgourd (Chinese preserving melon) Citron Melon Cucumber Gherkin Gourd (edible) Lagenaria spp. – Includes: hyotan, cucuzza Luffa acutangula, Includes: hechima, Chinese okra Momordica spp. – Includes:	Armyworm spp. ¹ Blister Beetle spp. Cabbage Looper Corn Earworm Cricket spp. Cucumber Beetle spp. (adults) Cutworm spp. Flea Beetle spp. Grasshopper spp. June Beetle spp. Leaffooted Bug Leafhopper spp. Lygus Bug spp. ¹ Melonworm Pickleworm Plant Bug spp. Rindworm spp. complex Saltmarsh Caterpillar Squash Beetle			Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage of target area. When applied by ground a minimum of 10 gal. solution per acre is recommended. Air application: Apply i a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage of target area. Monitoring of insect populations should be used to determine timing and frequency of applications. Scout fields at a minimum of 5 day
balsam apple, balsam pear, bitter melon, Chinese cucumber Muskmelon (hybrids and/or cultivars of <i>Cucumis melo</i>) – Includes: true cantaloupe, casaba, crenshaw melon, golden pershaw melon honeydew melon, honey balls, mango melon Persian melon, pineapple melon, Santa Claus melon, snake melon	Squash Bug spp. Squash Vine Borer spp. Stink Bug spp. Thrips spp. ^{1,2} Tobacco Budworm' Webworm spp.			intervals. Apply in sufficient volume to ensure sufficient coverage of foliage. Insects that bore or tunnel into leaves, vines, stems or fruit must be controlled before penetration. Only exposed insects (larvae and/or adults) can be controlled with foliar applications of Silencer. ¹ See resistance statement under General Directions for Use. ² Does not include Western Flower Thrips. ³ Suppression only.
Pumpkin Squash, summer (<i>Cucurbita pepo</i> var. <i>melopepo</i>) – includes: crookneck squash,	Aphid spp. ¹ Leafminer spp. ^{1,3} Spider Mite spp. ³ Whitefly spp. ^{1,3} • Do not apply more that • Do not apply within 1 d	0.03 n 0.18 lb a.i. (1.44 pts of product ay of harvest.	3.84) per season.	
straightneck squash, vegetable marrow, zucchini Squash, winter (<i>Cucurbita maxima</i> , <i>C. moschata</i>) – includes: butternut squash, calabaza, hubbard squash (<i>C. mixta</i> ; <i>C. pepo</i>) – Includes: acom squash, spaghetti squash Watermelon – includes: Hybrids and/or varieties of <i>Citrulius</i>		· · · · · · · · · · · · · · · · · · ·		· .

CROP	TARGET PESTS	RA	ГЕ	REMARKS
		lb. a.i./A	fl. oz./A	
CROP FRUITING VEGETABLES (EXCEPT CUCURBITS) CROP GROUP Including: Eggplant Ground Cherry Pepino Peppers (bell and nonbell) Tomatillo Tomato	TARGET PESTS Cabbage Looper Cutworm spp. Hornworm spp. Aphid spp. ²³ Beet Armyworm ^{1,3} Bister Beetle spp. Colorado Potato Beetle ³ Cucumber Beetle spp. (Adult) European Corn Borer ⁴ Fall Armyworm ¹ Flea Beetle spp. Grasshopper spp. Japanese Beetle (Adult) Leafnopper spp. Japanese Beetle (Adult) Leafnopper spp. Japanese Beetle (Adult) Leafnopper spp. Japanese Beetle (Adult) ² Pepper Weevil (Adult) ² Plant Bug spp. Southern Armyworm ¹ Spider Mite spp. ² Stalk Borer ⁴ Stink Bug spp. Thrips ⁵ Tobacco Budworm ³ Tomato Fruitworm			REMARKS Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals, per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. ¹ For control of first and second instar only. ² Suppression only. ³ See resistance statement under GENERAL INFORMATION. ⁴ For control before the larva bores into the plant stalk or fruit. ⁵ Does not include Western Flower Thrips.
	Tomato Pinworm Tomato Psyllid ²³ Vegetable Weevil (Adult) Whitefly spp. ²³ Yellow-striped Armyworm ¹			
	 Do not apply within 5 days of Do not apply more than 0.36 		er acre per seas	son.

CROP	TARGET PESTS	RA	TE	REMARKS		
		lb. a.i./A fl. oz./A				
GRASS FORAGE,	Army Cutworm	0.015-0.025	1.92-3.20	Ground application: Apply in		
ODDER, AND HAY	Cutworm spp.			sufficient spray volume to obtain full		
Pasture and Rangeland	Essex Skipper			coverage of the foliage or target		
Brass, Grass Grown for	Range Caterpillar			area.		
lay or Silage, Grass	Striped Grass Looper			Air application: Apply in a		
Grown for Seed			· · · · · · · · · · · · · · · · · · ·	minimum of 2 gals, per acre or		
	Beet Armyworm	0.02-0.03	2.56-3.84	sufficient spray volume to obtain full		
	Billbug spp. ³	0.02-0.03	2.00-0.04	coverage of the foliage or target		
-	Bird Cherry-Oat Aphid ¹			area.		
	Black Grass Bug			Monitoring of insect populations		
	Black Turfgrass Beetle					
· ·				should be used to determine timing		
	(Adult)			and frequency of applications. Scou		
	Blue Stem Midge			fields at a minimum of 5 day		
	Cereal Leaf Beetle		•	intervals.		
	Chinch Bug			Apply in sufficient volume to ensure		
	Crane Fly spp.			sufficient coverage of foliage.		
	Cricket spp.			Chinch bugs: Silencer may only		
	English Grain Aphid		`	suppress heavy infestations and/or		
	Fall Armyworm					
	Flea Beetle spp.			migrations. In this situation, a secon		
	Grass Mealybug	·]		application using an alternative		
	Grass Sawfly (Adult)			chemistry may be needed.		
	Grasshopper spp.		4	Greenbug: Greenburg is known to		
	Green June Beetle			have many biotypes. Silencer may		
	(Adult)			provide suppression only. In this		
	Greenbug 1.2			situation, a second application using		
	Japanese Beetle			an alternative chemistry may be		
	(Adult)			needed.		
	Katydid spp.			Desture and read along gross. Mary		
	Leafhopper spp.		· .	Pasture and rangeland grass: May be used for grazing or cut for forage		
	Mite sp.					
	Russian Wheat Aphid ¹			0 days after application. Do not cut		
	Southern Armyworm			grass to be dried and harvested for		
	Spittlebug spp.			hay until 7 days after the last		
	Stink Bug spp.			application.		
	Sugarcane Aphid			Grass grown for seed: Straw and		
	Thrips spp.			mature seed (seed screenings) may		
	Tick spp.			be used as feed 7 days after the las		
	True Armyworm			¹ Best control is obtained before		
	Webworm spp.			insects begin to roll leaves.		
	Yellowstriped			² See resistance statement under		
	Armyworm			GENERAL INFORMATION.		
* •		.		³ Suppression only.		
	Do not apply more th	an 0.03 lb. a.i. (0.2	4 pts. of product) per acre per cutting for pastures,		
				eatment interval (RTI) of 30 days is		
				i./A which have not been cut between		
	applications.					
	 Do not apply more th 			· · · · · · · · · · · · · · · · · · ·		

CROP	TARGET PESTS	DA.	TE	REMARKS
UNUF	IANGLI FLOID	lb. a.i./A	fl. oz./A	
LEGUME VEGETABLES	Cutworm spp. Green Cloverworm	0.015-0.025	1.92-3.20	Ground application: Apply in sufficient spray volume to obtain full
(SUCCULENT OR	Imported Cabbageworm			coverage of the foliage or target
DRIED) CROP	Mexican Bean Beetle			area.
GROUP	Saltmarsh Caterpillar			Air application: Apply in a
Including but	Velvetleaf Caterpillar			minimum of 2 gals, per acre or
limited to:	Alfalfa Caterpillar	0.02-0.03	2.56-3.84	sufficient spray volume to obtain full
(BEANS AND	Aphid spp. ⁴			coverage of the foliage or target
PEAS)	Armyworm ² Bean Leaf Beetle			area.
Edible Podded	Bean Leafskeletonizer			Make applications when pests appear and repeat applications as
(only)	Blister Beetle spp.			necessary, usually at intervals of 5 or
Canavalia	Corn Earworm	•		more days. Apply in sufficient
gladiata-sword	Corn Rootworm Beetle spp.			volume to ensure sufficient coverage
bean	(Adult)			of foliage.
Canavalia	Cucumber Beetle spp. (Adult)			¹ For control before the larva bores
ensiformis –	Curculio and Weevil spp. ¹	· · · · ·		into the plant stalk or pods.
jackbean	(foliage and pod feeding			² For control of the first and second
Glycine max –	adults and larvae)			instar only.
Soybean immature	European Corn Borer			³ For suppression only.
seed	Fall Armyworm ²	•		*See resistance statement under
Edible Podded, Succulent	Flea Beetle spp. (Adult)			GENERAL INFORMATION.
Succulent Shelled, or Dried	Flea Hopper spp.			⁵ Does not include Western Flower
Shelled	Grasshopper spp.			Thrips.
Phaseolus spp.	Japanese Beetle (Adult)			
includes: black,	Leafhopper spp.			
field, kidney, lima,	Leaftier spp.			
navy, pinto,	Looper spp.			
runner, snap,	Meadow Spittlebug			
tepary, and wax	Painted Lady Butterfly (larva)			
beans	Plant Bug spp. including Lyous spp.⁴			
Vigna spp.	Stalk Borer ¹			
includes: adzuki,	Stink Bug spp.			
asparagus, moth,	Three-cornered Alfalfa	· ·		
mung, rice, urd	Hopper			
and yardlong	Thrips spp. ^{4.5}			
beans, black-eyed	Tobacco Budworm ⁴			
pea, catjang,	Webworm spp.			
Chinese longbean,	Western Bean Cutworm			
cowpea, Crowder	Western Yellow-striped			
pea, and Southern	Armyworm ²		*	
pea Disum sma	Yellow-striped Armyworm ²			
Pisum spp.	Beet Armyworm ^{3,4}	0.03	3.84	1
includes: dwarf,	Leafminer spp.3,4	· · ·		
edible-pod, English, field,	Lesser Cornstalk Borer ³			
garden, green,	Soybean Looper ^{3,4}			
snow and sugar	Spider Mite spp. ³			
snap peas	Whitefly spp. ^{3,4}			
5				

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Cajanus cajan- Pigeon pea	 For edible podded and succulent shelled legume vegetables, do not apply within 7 days of harvest. For dried shelled legume vegetables, do not apply within 21 days of harvest.
Succulent	Do not apply more than 0.12 lb. a.i.(0.96 pt.) per acre per season.
Shelled or Dried	For succulent and dried shelled peas and beans, do not graze livestock in treated areas or harvest
Shelled	vines for forage or hay.
Vicia faba	
broadbean	
(favabean)	•
Dried Shelled	
(only)	
<i>Lupinus</i> spp.	
includes: grain,	
sweet, white and	
sweet white	
lupines	
Cicer arietimum-	
chickpea	
(garbanzo bean)	
Cyamopsis	•
tetragonoloba-guar	
Lablab pupureus -	
Lablab bean	
(hyacinth bean)	
Lens esculata -	
Lentils	

CROP	TARGET PESTS	RA	TE	REMARKS
	-	lb. a.i./A	fl. oz./A	
LEGUME	Bean Leaf Beetle	0.015-0.025	1.92-3.20	Ground application: Apply in
VEGETABLES	Cabbage Looper			sufficient spray volume to obtain full
Soybean	Corn Earworm	· · · · ·		coverage of the foliage or target
	Cutworm spp.			area.
	Green Cloverworm			Air application: Apply in a
	Mexican Bean Beetle			minimum of 2 gals. per acre or
	Mexican Corn Rootworm	·		sufficient spray volume to obtain full
	Beetle (Adult)			coverage of the foliage or target
	Northern Corn Rootworm		•	area.
	Beetle (Adult)			Make applications when pests
	Painted Lady (Thistle)			appear and repeat applications as
	Caterpillar			necessary, usually at intervals of 5 c
	Potato Leafhopper			more days. Apply in sufficient
	Saltmarsh Caterpillar			volume to ensure sufficient coverage
	Southern Corn Rootworm			of foliage.
	Beetle (Adult)			Adult corn rootworm beetles
	Soybean Aphid⁴			(Diabrotica species): Use a
	Three-Cornered Alfalfa			minimum of2.56 fl. oz. per acre (0.02
1 - F	Hopper			lb. a.i. per acre) as part of an aerial-
	Thrips spp. ⁵		1.1	applied corn rootworm control
	Velvetbean Caterpillar			program.
	Western Corn Rootworm			Use higher rates for large larvae.
	Beetle (Adult)	(² Suppression only.
	Woollybear Caterpillar			³ See resistance statement under
	Armyworm ¹	0.025-0.03	3.20-3.84	GENERAL INFORMATION.
	Blister Beetle spp.			⁴ Use lower rates for early season
	European Corn Borer			applications and/or lighter
	Fall Armyworm			populations.
	Grasshopper spp.			⁵ Does not include Western Flower
	Japanese Beetle (Adult)			Thrips.
	Plant Bug spp.	-		
	Silverspotted Skipper]		
	Stink Bug spp. Tobacco Budworm ³			
	Webworm spp.			
				· .
	Yellow-striped Armyworm ¹ Beet Armyworm ^{2,3}	0.03	3.84	-
	Lesser Cornstalk Borer ²	0.03	3.04	
	Sovbean Looper ^{2,3}			
	Spider Mite spp. ²			
	Do not apply within 30 da			
	Do not apply more than 0			
	 Do not graze or harvest tr 	eated soybean fora	ge, straw, or hay	/ for livestock feed.

CROP	TARGET PESTS	RA		REMARKS
	<u>}</u>	lb. a.i./A	fl. oz./A	
LETTUCE (HEAD AND LEAF)	Alfalfa Looper Cabbage Looper Cutworm spp. Green Cloverworm Imported Cabbageworm Saltmarsh Caterpillar	0.015-0.025	1.92-3.20	Ground application: Apply in sufficient spray volume to obtain ful coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals, per acre or
	Aphid spp. ²³ Armyworm Beet Armyworm ^{1,3} Corn Earworm Diamondback Moth ³ European Corn Borer Fall Armyworm ¹ Flea Beetle spp. Grasshopper spp. Japanese Beetle (Adult) Leafhopper spp. Meadow Spittlebug Plant Bug spp. including Lygus spp. ³ Southern Armyworm Spider Mite spp. ² Stink Bug spp. Tobacco Budworm ³ Vegetable Weevil (Adult)	0.02-0.03	2.56-3.84	 minimum of 2 gals. per acre or sufficient spray volume to obtain ful coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 more days. Apply in sufficient volume to ensure sufficient coverag of foliage. ¹For control of first and second instr only. ²Suppressiononly. ³See resistance statement under GENERAL INFORMATION.
	Whitefly spp. ^{2.3}	-6		
· ·	 Do not apply within 1 day Do not apply more than 0 			00
ONION (BULB)	Cutworm spp.	0.015-0.025	1.92-3.20	Ground application: Apply in
AND GARLIC	Leafminer spp. (Adult) Onion Maggot (Adult) Seedcorn Maggot (Adult)			sufficient spray volume to obtain full coverage of the foliage or target area.
	Aphid spp. ² Armyworm spp. ¹ Flower Thrips ^{2,3} Onion Thrips ³ Plant Bug spp. Stink Bug spp. Tobacco Thrips ³ Western Flower Thrips ^{2,3}	0.02-0.03	2.56-3.84	Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 c more days. Apply in sufficient volume to ensure sufficient coverage of foliage. Use the higher label rates as thrips population increases and avoid rescue situations. For thrips control by aerial application, the addition of 1% COC v/v, ¼% NIS v/v, or a silicone adjuvant (follow manufacturer's use directions) may enhance the deposition of the spray and increase plant coverage. ¹ For control of the first and second instars only. ² Suppression only.

CROP	TARGET PESTS	RATE		REMARKS
,		lb. a.i./A	fl. oz./A	
PEANUT	Cutworm spp. Green Cloverworm Potato Leafhopper Red-necked Peanut Worm	0.015-0.025	1.92-3.20	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area.
	Threecornered Alfalfa Hopper Velvetbean Caterpillar			Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full
	Bean Leaf Beetle Corn Earworm Fall Armyworm ¹ Grasshopper spp.	0.02-0.03	2.56-3.84	coverage of the foliage or target area. Make applications when pests appear and repeat applications as
	Southern Corn Rootworm (Adult) Stink Bug spp. Tobacco Thrips		• • •	necessary, usually at intervals of 7 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage.
	Vegetable Weevil Whitefringed Beetle (Adult) Aphid spp. ²	0.03	3.84	¹ Use higher rates for large larvae. ² Suppression only. ³ See resistance statement under
	Beet Armyworm ^{2,3} Lesser Cornstalk Borer ² Soybean Looper ^{2,3} Spider Mite spp. ²			GENERAL INFORMATION.
	Do not apply within 14 day			
	Do not apply more than 0.		per acre per sea 2.56-5.12	
CROP GROUP Including: Apple	Apple Aphid Apple Maggot (Adult) Cherry Fruit Fly spp. (Adult) Codling Moth	0.02-0.04	2.50-5,12	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area.
Crabapple Loquat Mayhaw	Green Fruitworm Japanese Beetle Leafhopper spp.			Air application: Apply in a minimum of 5 gals. per acre or sufficient spray volume to obtain full
Oriental Pear Pear Quince	Leafroller spp. Lesser Appleworm Omnivorous leafroller			coverage of the foliage or target area. Make applications when pests
	Orange Tortrix Oriental Fruit Moth Pear Psylla ¹ Pear Sawfly			appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage
	Periodical Ćicada Plant Bug spp. Plum Curculio			of foliage. ¹ Suppression only.
	Rosy Apple Aphid San Jose Scale (fruit infestations only) Spirea Aphid ¹			
	Stink Bug spp. Tent Caterpillar spp. Tentiform Leaf Miner spp.			
	Tree Borer spp. Tufted Apple Budworm Webworm spp.			
	 Do not apply within 21 days Do not apply more than 0.2 Do not apply more than 0.1 	2 lb. a.i. (1.6 pts.) p		

STONE FRUITS CROP GROUP American Plum Borer Appie Maggot (Adult) Ib. a.i/A fl. oz./A STOME FRUITS CROP GROUP American Plum Borer Appie Maggot (Adult) 0.02-0.04 2,56-5.12 Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Sweet and Tart Cherry Nectaine Coding Moth Green Fruitworm Japanese Beetle Air application: Apply in a minimum of 5 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Damson Plum Japanese Plum Othertal Fruit Moth Peachtree Borer spp. Prune Leafrolper spp. Leafroller spp. Demotol Peachtree Borer spp. Peachtree Borer spp. Peachtree Borer spp. Plum Curculio Rose Chafer Stink Bug spp. Things spp. Nake applications when pests appeare and repeat applications as necessary. usually at intervals of 5 c more days. Apply in sufficient coverage of foliage. SUGARCANE Mexican Nice Borer ¹ O no tapply more than 0.2 lb. a.i. (1.6 pts.) per acre per year. Sufficient spray volume to obtain full coverage of the foliage or target area. SUGARCANE Mexican Nice Borer ¹ Sugarcane Aphid ³ 0.025-0.04 3.20-5.12 Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. SUGARCANE Mexican Nice Borer ¹ Sugarcane Aphid ³ 0.025-0.04 3.20-5.12 Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. SUG	CROP	TARGET PESTS	RA	TE	REMARKS
GROUP Apple Maggot (Adult) sufficient spray volume to obtain full Including: Apple Maggot (Adult) area. Sweet and Tart Cherry Coding Moth area. Peach Japanese Beetle area. June Beetle coding of the foliage or target area. Japanese Plum Leafroler spp. Make applications when pests Japanese Plum Oriental Fruit Moth apear and repeat applications as Plumcot Peachtree Borer spp. more of ays. Apply in sufficient coverage of the foliage. Prune Peachtree Borer spp. more of ays. Apply in sufficient coverage of the foliage. Prune Peachtree Borer spp. more of ays. Apply in sufficient coverage of the foliage. Pinne Peachtree Borer spp. more of ays. Apply in sufficient coverage of foliage. Pinne Peachtree Borer spp. more of ays. Apply in sufficient coverage of foliage. Pinne Do not apply wrore than 0.2 lb. ai. (1.6 pts.) per acre per year. on ot apply more than 0.2 lb. ai. (1.6 pts.) per acre per year. SUGARCANE Mexican Rice Borer 0.25-0.04 3.20-5.12 Ground application: Apply in a minimum of 2 gals. per acre or more days. Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. SUGARCANE Mexican Rice Borer 0.25-0.04 3.20-5.12 G			lb. a.i./A		1
Thrips spp. • Do not apply within 14 days of harvest. • Do not apply more than 0.2 lb. a.i. (1.6 pts.) per acre per year. • Do not apply more than 0.16 lb. a.i.(1.28 pts.) per acre per year post bloom. SUGARCANE Mexican Rice Borer ¹ Pygmy Mole Cricket Rice Stalk Borer ¹ Sugarcane Aphid ³ Sugarcane Borer ¹ Sugarcane Borer ¹ Western Indian Cranefly Yellow Sugarcane Aphid ³ Air applications: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications swhen pests appear and repeat applications as necessary, usually at intervals of 7 o more days. Apply in sufficient volume to ensure sufficient coverage of foliage. * For control before the larva bores into the plant stalk. * Suppression only of beetles active above ground.	STONE FRUITS CROP GROUP Including: Apricot Sweet and Tart Cherry Nectarine Peach Plum Chickasaw Plum Damson Plum Japanese Plum Plumcot	American Plum Borer Apple Maggot (Adult) Black Cherry Aphid Cherry Fruit Fly spp. (Adult) Codling Moth Green Fruitworm Japanese Beetle June Beetle Leafnopper spp. Leafroller spp. Oriental Fruit Moth Peach Twig Borer Peachtree Borer spp. Pear Sawfly Periodical Cicada Plant Bug spp. Plum Curculio Rose Chafer Stink Bug spp.	lb. a.i./A	fl. oz./A	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 5 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage
Pygmy Mole Cricket sufficient spray volume to obtain full Rice Stalk Borer ¹ Sugarcane Aphid ³ Sugarcane Beetle (Adult) ² Air application: Apply in a Sugarcane Borer ¹ minimum of 2 gals. per acre or Western Indian Cranefly coverage of the foliage or target Yellow Sugarcane Aphid ³ area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 7 o more days. Apply in sufficient volume to ensure sufficient coverage of foliage. ¹ For control before the larva bores into the plant stalk. ² Suppression only of beetles active above ground.	SUGARCANE	 Thrips spp. Do not apply within 14 day Do not apply more than 0 Do not apply more than 0 	2 lb. a.i. (1.6 pts.) p 16 lb. a.i.(1.28 pts.) per acre per yea	ar post bloom.
See resistance statement under GENERAL INFORMATION.		Pygmy Mole Cricket Rice Stalk Borer ¹ Sugarcane Aphid ³ Sugarcane Beetle (Adult) ² Sugarcane Borer ¹ Western Indian Cranefly			sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 7 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. ¹ For control before the larva bores into the plant stalk. ² Suppression only of beetles active above ground. ³ See resistance statement under

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CROP	TARGET PESTS	RA	TE	REMARKS
-		lb. a.i./A	fl. oz./A	
SUNFLOWER	Cutworm spp. Sunflower Beetle	0.015-0.025	1.92-3.20	Ground application: Apply in sufficient spray volume to obtain full
	Banded Sunflower Moth Fall Armyworm ¹	0.02-0.03	2.56-3.84	coverage of the foliage or target area.
	Grasshopper spp. Head-Clipper Weevil (Adult)			Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full
	Japanese Beetle (Adult) Leafhopper spp. Meadow Spittlebug			coverage of the foliage or target area.
	Painted Lady (Thistle) Caterpillar			Make applications when pests appear and repeat applications as
	Seed Weevil (Adult) Spotted Cabbage Looper Stem Weevil (Adult)			necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage
· .	Stink Bug spp. Sunflower Maggot (Adult)			of foliage. ¹ For control of first and second instar
	Sunflower Moth Woollybear Caterpillar	0.00	2.04	only. ² Suppression only. ³ See resistance statement under
	Beet Armyworm ^{2,3} Spider Mite spp. ² • Do not apply within 45 days	0.03	3.84	GENERAL INFORMATION.
	Do not apply more than 0.1: a.i. (0.72 pt.) per acre per	2 lb. a.i. (0.96 pt.) p season after bloom	initiation.	on. Do not apply more than 0.09 lb.
7004000	Do not apply as an ultra-low			Crewed and the still and the still and
TOBACCO	Armyworm spp. ¹ Blister Beetle spp.	0.015-0.03	1.92-3.84	Ground application: Apply in sufficient spray volume to obtain full
	Cabbage Looper			coverage of the foliage or target
	Corn Earworm			area.
	Cucumber Beetle spp.			Air application: Apply in a
	(Adult)			minimum of 2 gals. per acre or
	Cutworm spp.			sufficient spray volume to obtain full
	Grasshopper spp.			coverage of the foliage or target
	Japanese Beetle (Adult)			area.
	Katydid spp.			Make applications when pests
	Plant Bug spp. ³			appear and repeat applications as
	Potato Tuberworm			necessary, usually at intervals of 7 or
	Salt Marsh Caterpillar			more days. Apply in sufficient
	Stinkbug spp.		· · ·	volume to ensure sufficient coverage
	Tobacco Aphid spp. ^{2,3}			of foliage.
	Tobacco Budworm ²		·	¹ For control of first and second instar
	Tobacco Flea Beetle (Adult)			only.
	Tobacco Hornworm			² Suppression only.
	Tobacco Thrips spp. ²			³ See resistance statement under
	Tomato Hornworm			GENERAL INFORMATION.
	Tree Cricket spp.			
	Vegetable Weevil (Adult)			
	Webworm spp.			
	Do not apply within 40 da	vs of harvest.	· · · · ·	······
	 Do not apply thank to do Do not apply more than 0) per acre per vea	ır.
			//····································	

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CROP	TARGET PESTS	RA	TE	REMARKS
		lb. a.i./A	fl. oz./A	
TREE NUTS CROP GROUP Including: Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazlenut) Hickory Nut Macadamia Nut (Bush Nut) Pistachio Walnut, Black Walnut, English (Persian)	Ants Chinch Bug Codling Moth Filbertworm Leaffooted Bug Leafroller spp. Navel Orangeworm Peach Twig Borer Plant Bug spp. Stink Bug spp. Walnut Aphid ⁻ Walnut Husk Fly spp. (Adult)	0.02-0.04	2.56-5.12	Ground application: Apply in or sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 5 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage.
Pecan	Hickory Shuckworm Pecan Casebearer spp. Pecan Weevil Pecan Aphid spp. Pecan Spittlebug Stink bug spp. Pecan Phylloxera spp. • Do not apply within 14 day • Do not apply more than 0.'	16 lb. a.i. (1.28 pts		

CROP	TARGET PESTS	RA	TE	REMARKS
		lb. a.i./A	fl. oz./A	
TUBEROUS AND CORM VEGETABLES CROP GROUP Including: Arracacha Arrowroot Artichoke (Chinese and Jerusalem only)	Cutworm spp. Leafhopper spp. Saltmarsh Caterpillar Sweet Potato Hornworm Woolybear Caterpillar spp. Aphid species ¹ Armyworm spp. ¹	0.015-0.025	0.02-0.03	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target
Canna (edible) Cassava (bitter and sweet) Chayote (root) Chufa Dasheen Ginger Leren Potato Sweet Potato Tanier Turmeric Yam (bean and true)	Arrhyworm Spp. Blister Beetle spp. Colorado Potato Beetle ¹ Corn Earworm Cricket spp. Cucumber Beetle spp. (adults) European Corn Borer Flea Beetle spp. (adults) Grasshopper spp. Looper spp. ¹ Lygus Bug spp. ¹ Plant Bug spp. Potato Psyllid Potato Tuberworm			area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 7 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. Insects that bore or tunnel into leaves, vines, stems, tubers or corms must be controlled before penetration. Only exposed insects (larvae and/or adults) can be controlled with foliar applications of Silencer.
· · ·	Stink Bug spp. Sweet Potato Leaf Beetle (adults) Swet Potato Vine Borer Thrips spp. ^{1,2} Tortoise Beetle spp. Webworm spp. Weevil spp. (adults)			¹ See resistance statement under GENERAL INFORMATION. ² Does not include Western Flower Thrips. ³ Suppression only.
	Leafminer spp. ^{1,3} Whitefly spp. ^{1,3} Spider Mite spp. ³ • Do not apply more than 0 • Do not apply within 7 day		3.84 per acre per yea	ar per season.

	OTHER USES		
TARGET PESTS	RA	TE	REMARKS
	Ib. a.i./A	fl. oz./A	
Bagworm Balsam Twig Aphid Birch Leafminer Black Pine Weevil Elm Leaf Beetle European Elm Bark Beetle Gypsy Moth Japanese Beetle June Beetle spp. Leaf Beetle spp. Leaffoller spp. May Beetle spp. May Beetle spp. May Beetle spp. Mealybug spp. ¹ Pales Weevil Pine Chafer Pine Colaspis Beetle Pine Conelet Bug Pine Leaf Chermid Balsam Wooly Aphid Pine Needle Scale Pine Sawfly spp. Pine Tortoise Scale Pine Weevil spp. Pine Tortoise Scale Pine Weevil spp. Poplar Aphid spp. Spruce Budworm Tent Caterpillar spp. Tussock Moth spp. Webworm spp.	0.02-0.04	fl. oz./A 2.56-5.12	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear. Apply in sufficient volume to ensure sufficient coverage of foliage. To control exposed foliage, flower, cone, seed, and bark feeding insects, apply as required by scouting. ¹ Suppression only.
Do not apply more th	an 0.24 lb. ai (1.92 pts.)	per acre per year	ſ.
Coneworm spp. Seed Bug spp. Thrips spp.	See Remarks	See Remark	ks For high volume sprayers, dilute 5.12 fl. oz. per 100 gals. of water and apply 5-10 gals. of finished spray per tree. For low volume sprayers, dilute 20 fl. oz. per 100 gals. of water and apply 100 gals. of finished spray per acre. For aerial applications, apply 15 fl. oz./A in a minimum of 10 gals. finished spray per acre.
	Bagworm Balsam Twig Aphid Birch Leafminer Black Pine Weevil Elm Leaf Beetle European Elm Bark Beetle Gypsy Moth Japanese Beetle June Beetle spp. Leaf Beetle spp. Leaf Beetle spp. May Beetle Spp. Pine Chafer Pine Colaspis Beetle Pine Conelet Bug Pine Leaf Chermid Balsam Wooly Aphid Pine Needle Scale Pine Sawfly spp. Pine Tip Moth spp. Pine Tortoise Scale Pine Weevil spp. Poplar Aphid spp. Sawfly spp. Spittlebug spp. Spruce Budworm Tent Caterpillar spp. Tussock Moth spp. Webworm spp. Do not apply more th Coneworm spp. Seed Bug spp. Thrips spp.	TARGET PESTSRABagworm0.02-0.04Balsam Twig Aphid0.02-0.04Birch LeafminerBlack Pine WeevilElm Leaf BeetleEuropean Elm Bark BeetleEuropean Elm Bark BeetleJune Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Pales WeevilPine ChaferPine Conelet BugPine Leaf ChermidBalsam Wooly AphidPine Needle ScalePine Weevil spp.Pine Tortoise ScalePine Weevil spp.Poplar Aphid spp.Spruce BudwormTent Caterpillar spp.Spruce BudwormTent Caterpillar spp.See RemarksSeed Bug spp.See RemarksSeed Bug spp.See Remarks	TARGET PESTSRATEBagwormIb. a.i./Afl. oz./ABalsam Twig Aphid0.02-0.042.56-5.12Birch LeafminerBlack Pine WeevilEEim Leaf BeetleUne Beetle2.56-5.12June Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Leaf Beetle spp.Fl. oz./ALeaf Beetle spp.Leaf Beetle spp.Fl. oz./AMay Beetle spp.May Beetle spp.Fl. oz./AMay Beetle spp.Pales WeevilFl. oz./APine Colaspis BeetlePine Colaspis BeetleFl. oz./APine Colaspis BeetlePine Tip Moth spp.Fl. oz./APine Tip Moth spp.Polar Aphid spp.Sawfly spp.Spruce BudwormSawfly spp.Spruce BudwormTent Caterpillar spp.See RemarksSee RemarkSeed Bug spp.See RemarksSee RemarkSeed Bug spp.See RemarksSee RemarkSeed Bug spp.See RemarksSee RemarksSeed Bug spp.See Remarks

USE RECOMMENDATIONS

26/2

CROP	TARGET PESTS	RA	TE	REMARKS
	-	lb. a.i./A	fl. oz./A	
NON-CROPLAND (Excluding Public / Land)	See Crop Outlets on this Silencer label for target pests and rates.	See Crop Outlets	See Crop Outlets	Spray non-cropland adjacent to agricultural areas to control migrator insects, which may threaten crops. Follow general use directions, rates, and spray recommendations found elsewhere on this label for the adjacent crop out and target pests. Use highest labeled rates for dense/large foliage, high insect populations, and larger larval stages Repeat as necessary to maintain control.
	 Do not exceed 0.2 lb. a.i Do not graze livestock in 		oer year.	
	RAT	E CONVERSION C	HART	· · · · · · · · · · · · · · · · · · ·
lb. ai/A fl. oz./A			s./A	treated acres/gal.

lb. ai/A	fl. oz./A	pts./A	treated acres/gal.
0.015	1.92	0.12	66
0.02	2.56	0.16	50
0.025	3.20	0.20	40
0.03	3.84	0.24	33
0.04	5.12	0.32	25

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand earth, or synthetic absorbent. Remove to chemical waste area. **DO NOT ALLOW PRODUCT TO FREEZE**.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:**

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: 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 ¼ 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 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete 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.

Refillable Container: Refillable container. Refill this container with lambda-cyhalothrin 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 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL INFOTRAC AT 1-800-535-5053.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS**, **DISCLAIMER OF WARRANTIES** and **LIMITATIONS OF LIABILITY**. **CONDITIONS**: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

Silencer® is a registered trademark of Makhteshim Chemical Works Ltd.

Karate[®] Insecticide, Karate[®] Insecticide With Zeon[™] Technology, Warrior[®] Insecticide with Zeon[™] Technology, E-Z Handler[®], and the Syngenta logo are trademarks of a Syngenta Group company Capture[®] and Mustang[®] are trademarks of FMC Corporation Asana[®] is a trademark of E.I. du Pont de Nemours & Co. (Inc.)

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Silencer (EPA app 1-4-07)(to EPA 07-28-08)

NEXT

LABEL

66222-104



Supplemental Labeling

RESTRICTED USE PESTICIDE DUE TO TOXICITY 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.

SILENCER[®] EPA Reg. No. 66222-104

SUPPLEMENTAL DIRECTIONS FOR USE ON RICE; WILD RICE; CUCURBIT VEGETABLES; GRASS FORAGE, FODDER, AND HAY; OAT, BARLEY, BUCKWHEAT AND RYE; PISTACHIO; AND TUBEROUS AND CORM VEGETABLES

DIRECTIONS FOR USE

- It is a violation of Federal law to use this product inconsistent with its labeling.
- This supplemental labeling must be in the possession of the user at the time of pesticide application.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.
- These new uses can be found on the EPA stamped label for Silencer (66222-104) dated key xxx Notificition (CABELY EDITION: stamped dates will be added when EPA approval is deceived.)

CROP USE RECOMMENDATIONS AGRICULTURAL USES

CROP	TARGET PESTS	RATE		REMARKS
		lb. a.i./A	fl. oz./A	
with In EP Under the Fungicide, as amende registered	Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Rice Water Weevil (Adult) Riceworm Sharpshooter spp. True Armyworm Yellow Sugarcane Aphid Yellow-striped Armyworm Yellow-striped Armyworm CCEPTED COMMENTS A Letter Dated / 2 0 2008 Federal Insecticide. and Rodenticide Act. d. for the pestictde ander EPA Reg. No.	0.025-0.04	3.20-5.12	Ground application: Apply in a minimum of 10 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 a.i./A, and treating 1200 acres (or more) per day must wear dust/mist respirator. Apply in a minimum of 2 gals. per acre in sufficient spray volume to obtain full coverage of the foliage or target area. Adding 1 pint per acre of an emulsifiable crop oil will help improve coverage, reduce evaporation, and improve efficacy. Monitoring of insect populations should be used to determine timing nad frequency of applications. Scout fields at a minimum of 5 day intervals. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5-7 days. Apply in sufficient volume to ensure sufficient coverage of foliage. Silencer can be safely used when propanil products are being used for weed control. (<i>continued</i>)

4515 Falls of Neuse Road, Suite 300, Raleigh NC 27609 T: 919.256.9305 • F: 919.256.9308 Page 1 of 6



ce lid Rice ontinued)	Mexican Rice Borer' Rice Seed Midge Rice Stalk Borer' Sugarcane Borer'				rice, make a foliar application as indicated by scouting for the presence of adults and/or feeding scars usually within 0-5 days after permanent flood establishment. Do not exceed 10 days from starting permanent flood until insecticide application unless scouting indicates weevils have not been previously present. Adults may also be treated at later stages of rice development to reduce overwintering populations. In water seeded rice, make the first foliar application after pinpoint flood as indicated by scouting for the presence of adults and/or feeding scars usually 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 initia treatment and, if needed, apply a second application. Adults may also be treated at later stages of rice development to reduce overwintering populations. California: In addition to above directions, for control of rice water weevil in water seeded rice, Silencer may be applied at the 1- to 3-leaf growth stage. Adults are vulnerable on levees and
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					2-leaf growth stage. Adults are vulnerable on levees and
					Adults are vulnerable on levees and
					in the water. Larvae are vulnerable
		1			while feeding on the leaf prior to
		1	1		entering the soil. Monitor for adults
					based upon field history and density
				,	of population. Monitor field edges
			-		and levee areas for adults. Treat in
			1		
					the following manner: a) spray the
			ļ		inside perimeter of the field, or b)
			}		spray the entire field.
			1		Green Bug: Known to have many
			·		biotypes, Silencer may only provide
					suppression. If satisfactory control is
		.]			not achieved, a resistant biotype ma
					bé present. Use alternate chemistry
					for control.
		.]			1
			.		For control of stem borers, scout
					fields, when rice growth is near
			1		panicle differentiation, for early
					symptoms of damaging populations
					exhibited as discoloration (orange-
		1			tan) around the junction of the leaf
					sheath and leaf blade which is
					caused by feeding of young larvae
					within the sheath. Applications must
					be made before larvae bore into rice
					stems. Make the first application at
					panicle differentiation to 2 inch for
					(continued)
		1			, certaine day
		useiRoad. Si	wite ONI		0 07000
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CEREAL GRAINS: Rice Wild Rice (continued)			panicle for partial control. Make the second application at boot to heading for maximum control. All rice varieties are susceptible to stem borer damage, but Cocodrie and Priscilla are particularly susceptible. ¹ For control before the larvae bores into the plant stalk.			
	Do not release floodwater within 7 days of an application.					
	Do not apply more than 0.12 lb. a.i. (0.96 pt.) per acre per season.					
	• Do not apply more than 0.04 lb a.i. (0.32 pt.) per acre within 21 to 27 days of harvest.					
	Do not apply within 21 days of harvest.					
	Do not use treated rice fiel	ds for the aquaculture of ec	tible fish and crustacea.			
	Do not apply as an ultra-log	w volume (ULV) spray.				

CROP	TARGET PESTS	RATE		REMARKS			
<u> </u>		lb. a.i./A	fi. oz./A				
CEREAL	Army Cutworm	0.015-0.025	1.92-3.20	Ground application: Apply in			
GRAINS:	Cutworm spp.			sufficient spray volume to obtain full			
Barley	Armyworm	0.02-0.03	· 2.56-3.84	coverage of the foliage or target area.			
Buckweat	Bird Cherry-Oat Aphid ¹			Air application: Apply in a minimum			
Oats	Cereal Leaf Beetle	1		of 2 gals. per acre or sufficient spray			
Rye .	English Grain Aphid ¹			volume to obtain full coverage of the			
Triticale	Fall Armyworm			foliage or target area.			
Wheat	Flea Beetle spp.			Make applications when pests appea			
Wheat Hay	Grasshopper spp.			and repeat applications as necessary			
	Hessian fly⁴			usually at intervals of 5 or more days.			
	Orange Blossom Wheat Midge			Apply in sufficient volume to ensure			
	Russian Wheat Aphid ¹			sufficient coverage of foliage.			
	Stink Bug spp.			Chinch Bug: Repeat applications at 3			
	Yellow-striped Armyworm			to 5 day intervals if needed. Silencer			
	Grass Sawfly	0.025-0.03	3.20-3.84	may only suppress heavy infestations			
	Chinch Bug	0.03	3.84	and/or migrations.			
	Corn Leaf Aphid ²			Green Bug: Known to have many			
	Greenbug ^{1,3}			biotypes, Silencer may only provide			
	Mite spp. ²			suppression. If satisfactory control is			
				not achieved, a resistant biotype may			
				be present. Use alternate chemistry			
				for control.			
				¹ Best control is obtained before			
				insects begin to roll leaves. Once			
				wheat has started to boot, Silencer			
		•		may provide suppression only.			
				Higher rates and increased			
				coverage will be necessary.			
				² Suppression only.			
				³ See resistance statement under			
				GENERAL INFORMATION.			
				⁴ Make applications when adults			
	emerge.						
	 Do not apply within 30 days of harvest. Do not allow livestock to graze in treated areas or harvest treated wheat forage as feed for meat or dairy 						
	 Do not allow investock to graze in treated areas of narvest treated wheat of gage as feed for theat of dairy animals within 7 days after treatment. Do not feed treated straw to meat or dairy animals within 30 days 						
	after the last treatment.						
	 Do not apply more than 0.06 	3 lb. a.i. (0.48 pt.) p	er acre per seas	on.			
COLE CROPS	Alfalfa Looper	0.015-0.025	1.92-3.20	Ground application: Apply in			
Head and stem	Cabbage Looper			sufficient spray volume to obtain full			
brassica crop	Cabbage Webworm			coverage of the foliage or target area.			
group including:	Cutworm spp.			Air application: Apply in a minimum			
Broccoli	Imported Cabbageworm			of 2 gals. per acre or sufficient spray			
Brussels Sprouts	Southern Cabbageworm			volume to obtain full coverage of the			

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Cabbage	Aphid spp. ²³	0.02-0.03	2.56-3.84	foliage or target area.
Cavalo Broccolo	Armyworm			Make applications when pests appear
Cauliflower	Beet Armyworm ^{1,3}			and repeat applications as necessary,
Chinese Broccoli	Corn Earworm			usually at intervals of 5 or more days.
(gai lon)	Diamondback Moth ³			Apply in sufficient volume to ensure
Chinese Cabbage	Fall Armyworm ¹		1	sufficient coverage of foliage.
(napa)	Flea Beetle spp.			¹ For control of first and second instar
Chinese Mustard	Grasshopper spp.			only.
Cabbage (gai	Japanese Beetle (Adult)		ĺ	² Suppression only.
choy)	Leafhopper spp.			³ See resistance statement under
Kohlrabi	Meadow Spittlebug			GENERAL INFORMATION.
	Plant Bug spp. including			
	Lygus spp."			
	Spider Mite spp. ²			
	Stink Bug spp.			
	Thrips spp. ²	.		
	Vegetable Weevil (Adult)			
	Whitefly spp. ^{2,3}		(·	
	Yellow-striped Armyworm			
	 Do not apply within 1 day 	of harvest.		
	 Do not apply more than 0. 	24 lb.a.i. (1.92 pts.)	per acre per seas	son.

CROP	TARGET PESTS RATE		REMARKS		
		lb. a.i./A	fl. oz./A		
CUCURBIT	Armyworm spp	0.02-0.03	2.56-3.84	Ground application:	
VEGETABLES CROP	Blister Beetle spp			Apply in a minimum of	
GROUP	Cabbage Looper			10 gals. per acre or	
Including:	Corn Earworm			sufficient spray volume	
	Cricket spp.			to obtain full coverage	
Chayote (fruit)	Cucumber Beetle spp.		•	of the foliage or target	
Chinese Waxgourd	(adults)			area.	
(Chinese preserving	Cutworm spp.			Air application: Apply	
melon)	Flea Beetle spp.			in a minimum of 2 gals.	
Citron Melon	Grasshopper spp.			per acre or sufficient	
Cucumber	June Beetle spp.			spray volume to obtain	
Gherkin	Leaffooted Bug			full coverage of the	
Gourd (edible)	Leafhopper spp.			foliage or target area.	
<i>Lagenaria</i> spp. –	Lygus Bug spp. ¹		1		
Includes:	Melonworm	ĺ		Monitoring of insect	
hyotan, cucuzza	Pickleworm			populations should be	
Luffa acutangula,	Plant Bug spp.			used to determine	
Includes:	Rindworm spp.		•	timing and frequency of	
hechima, Chinese	complex	Í		applications. Scout	
okra	Saltmarsh Caterpillar		•	fields at a minimum of 5	
Momordica spp	Squash Beetle			day intervals.	
Includes:	Squash Bug spp.			Apply in sufficient	
balsam apple,	Squash Vine Borer			volume to ensure	
balsam pear,	spp.	-		sufficient coverage of	
bitter melon,	Stink Bug spp.			foliage.	
Chinese cucumber	Thrips spp. ^{1,2}			Insects that bore or	
Muskmelon	Tobacco Budworm ¹		•	tunnel into leaves.	
(hybrids and/or	Webworm spp.			vines, stems or fruit	
cultivars of	Hobildini opp.			must be controlled	
Cucumis melo)		1		before penetration. Only	
Includes:				exposed insects (larvae	
true cantaloupe,		.)		and/or adults) can be	
cantaloupe,				controlled with foliar	
casaba,				applications of Silencer.	
crenshaw melon,					
golden pershaw				¹ See resistance	
melon				statement under	
honeydew melon,				General Directions for	
honey balls,				Use.	
mango melon				² Does not include	

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Persian melon, pineapple melon, Santa Claus melon, snake melon				Western Flower Thrips. ³ Suppression only.
Pumpkin Squash, summer (<i>Cucurbita pepo</i> var. <i>melopepo</i>) – includes:	Aphid spp. ¹ Leafminer spp. ^{1,3} Spider Mite spp. ³ Whitefly spp. ^{1,3}	0.03	3.84	
crookneck squash, straightneck squash, vegetable marrow, zucchini Squash, winter	 Do not apply more Do not apply within 	than 0.18 lb a.i. (1.44 pts o 1 day of harvest.	t product) per season.	
(Cucurbita maxima, C. moschata) – includes: butternut squash, calabaza,			· .	
hubbard squash (C. mixta; C. pepo) – Includes: acorn squash, spaghetti squash Watermelon – includes:				
Hybrids and/or varieties of <i>Citrulius</i> <i>lanatus</i>			•	

CROP	TARGET PESTS	RATE		REMARKS
		lb. a.i./A	fl. oz./A	
TREE NUTS CROP GROUP Including: Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazlenut) Hickory Nut Macadamia Nut (Bush Nut) Pistachio Walnut, Black Walnut, English (Persian)	Ants Chinch Bug Codling Moth Filbertworm Leaffooted Bug Leafroller spp. Navel Orangeworm Peach Twig Borer Plant Bug spp. Stink Bug spp. Walnut Aphid Walnut Husk Fly spp. (Adult)	0.02-0.04	2.56-5.12	Ground application: Apply in a minimum of 50 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 10 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage.
Pecan	Hickory Shuckworm Pecan Casebearer spp. Pecan Weevil Pecan Aphid spp. Pecan Spittlebug Stink bug spp. Pecan Phylloxera spp. • Do not apply within 14 days • Do not apply more than 0.1 • Do not apply more than 0.1	6 lb. a.i. (1.28 pts		

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CROP	TARGET PESTS	RATE		REMARKS
		lb. a.i./A	fl. oz./A	
TUBEROUS AND CORM VEGETABLES CROP GROUP Including: Arracacha Arrowroot Artichoke (Chinese and Jerusalem only) Canna (edible) Cassava (bitter and sweet) Chayote (root) Chufa Dasheen Ginger Leren Potato Sweet Potato Tanier Turmeric Yam (bean and true)	Cutworm spp. Leafhopper spp. Saltmarsh Caterpillar Sweet Potato Hornworm Woolybear Caterpillar spp. Aphid species ¹ Armyworm spp. ¹ Blister Beetle spp. Colorado Potato Beetle ¹ Corn Earworm Cricket spp. Cucumber Beetle spp. (adults) European Corn Borer Flea Beetle spp. (adults) Grasshopper spp. Looper spp. ¹ Lygus Bug spp. Potato Psyllid Potato Tuberworm Stink Bug spp. Sweet Potato Leaf Beetle (adults) Swet Potato Vine Borer Thrips spp. ¹² Tortoise Beetle spp.	0.015-0.025	1.92-3.20	Ground application: Apply in a minimum of 10 gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Air application: Apply in a minimum of 2gals. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear and repeat applications as necessary, usually at intervals of 7 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. Insects that bore or tunnel into leaves, vines, stems, tubers or corms must be controlled before penetration. Only exposed insects (larvae and/or adults) can be controlled with foliar applications of Silencer. ¹ See resistance statement under GENERAL INFORMATION. ² Does not include Western Flower Thrips. ³ Suppression only.
	Weevil spp. (adults) Leafminer spp. ^{1,3} Whitefly spp. ^{1,3} Spider Mite spp. ³	0.03	3.84	
	 Do not apply more than 0 Do not apply within 7 days 		per acre per yea	r per season.

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Silencer (66222-104)(supplemental for new uses 07-28-08)