

Restricted Use Pesticide

Due to Toxicity to Fish and Aquatic Organisms

For retail sale to and use only to Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

LAMBDA-CY AG GOLD

*For the Control of a Variety of Insect Pests on Selected Crops
Contains the same active ingredient as Karate® Insecticide.*

Active Ingredient:

Lambda-cyhalothrin **13.1%**
Other Ingredients: **86.9%**
Total: 100.0%

Contains petroleum distillates.

Contains 1 lb. of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

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

See booklet for additional Precautionary Statements, First Aid and complete Directions for Use.

EPA Reg. No. 83222-11

EPA Est. No. 53883-TX-002

62171-MS-001

44616-MO-001

39578-TX-001

61842-CA-001

70989-MO-001

The first letters of the batch code indicate the producing establishment:

PT = 53883-TX-002; MS = 62171-MS-001; MO = 44616-MO-001; BT = 39578-TX-001; CA=61842-CA-001; MO = 70989-MO-001



**DIRECT AG
SOURCE™**

Manufactured By:

Direct Ag Source, LLC

30473 260th Street • Eldora, IA 50627

FIRST AID

If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies call Presar 24 hours a day at 1-877-250-9291.	
Note to Physician – Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

ANGER-PELIGRO

Corrosive. Causes skin burns. May be fatal if swallowed or inhaled. Causes substantial but temporary eye injury. Do not get in eyes, on skin or clothing. Do not breathe vapor or spray mist. Harmful if absorbed through skin. Wear protective clothing, gloves, eyewear (goggles, face shield, or safety glasses) and respirator as indicated under Personal Protective Equipment. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash 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 to 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 E on an EPA chemical resistant category selection chart.

- Applicators and other handlers must wear:
- Coveralls over long-sleeved shirt and long pants
 - Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton \geq 14 mils

- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- For exposures in enclosed areas, use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.
- For exposures outdoors, use a NIOSH approved respirator with any R, P or HE filter.

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

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 Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 washwaters.

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 liquid. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

Restricted Use Pesticide

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.

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

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 over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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

PRODUCT INFORMATION

Initial and residual control is contingent upon thorough crop coverage. Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. Apply in a minimum of 2 gallons per acre by air or 10 gallons per acre by ground unless otherwise specified in this label. When foliage is dense or pest pressure is high (heavier insect or egg pressure, larger larval stages), use of higher application volumes and/or higher use rates may improve initial and residual control.

For cutworm control, Lambda-Cy Ag Gold may be applied before, during or after planting. For soil incorporated applications, use higher rates for improved control.

Resistance

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

Spray Drift Precautions

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

- Do not apply by ground within 25 feet, or by air within 150 feet of lakes, reservoirs, rivers, permanent streams, marshes, pond holes, or natural ponds, estuaries and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultra low volume (ULV) application is made.

- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
 - For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.
 - Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
 - Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.
 - Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.
 - Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
 - Do not cultivate within 10 feet of the aquatic area so as to allow growth of a vegetative filter strip.
 - Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.
 - Do not make aerial or ground applications during 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.
- In the State of New York, a 25 foot vegetated, non-cropped buffer strip untraversed by drainage dikes 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 UAV application) required for spray drift.

TANK MIX APPLICATION

When tank mixing with any other agricultural product, always add Lambda-Cy AG Gold last. Fill the tank with one half to two thirds volume of the mixing diluent. Make sure all other products are fully dispersed in the mixing diluent before adding the specified rate of Lambda-Cy AG Gold to the tank. Add the remainder of the mixing diluent volume. It is recommended that mixing and spray equipment have continuous agitation for best results. Follow the precautions and limitations of the most restricted product in the tank mixture.

While Lambda-Cy AG Gold has good flexibility for tank mixing with other agricultural products, a jar test for physical compatibility is recommended for unfired mixtures using proper ratios and mixing sequences of all ingredients to be included in the mixture.

Lambda-Cy AG Gold. 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 Sunflower Oils (MSO) containing a minimum of 17% emulsifier.

Adjuvants other than NIS or COC may be used providing the product meets the following criteria:

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 Lambda-Cy AG Gold on the target crop through proven field trials and through university and extension recommendations.

In addition, the following may be used as diluents:

Crop Oil Concentrate
Methylated Sunflower Oils
Urea-Ammonium
Nitrate
Non-emulsifiable Oils
Diesel Fuel
Straight Mineral Oil

It is recommended that the following not be used in combination with Lambda-Cy AG Gold as diluents or adjuvants:

CHEMIGATION

Sprinkler Irrigation Application

Apply Lambda-Cy AG Gold at rates and timing described elsewhere in this label.

As local recommendations differ, consult your local State Extension Service or other local experts for recommendations on adjuvant or diluent types (see TANK MIX APPLICATION) rates and mixing instructions. These recommendations should be proven, through university and extension field trials, to be effective with Lambda-Cy AG Gold applied by chemigation.

Check the irrigation system to insure uniform application of water to all areas. Thorough 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 Lambda-Cy AG Gold 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. It is recommended that the product 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.

In addition to the above recommendations, if application is being made during a normal irrigation set of a stationary sprinkler, the specified rate of Lambda-Cy AG Gold 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 Lambda-Cy AG Gold 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 an average of at least 25 individuals daily at least 60 days out of the year.

Use Precautions - Sprinkler Irrigation Application

- A. Apply this product only through (sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) irrigation system(s). Do not apply this product through any other type of irrigation system.
- B. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
- C. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- D. 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.
- E. 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.
- F. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- G. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

- H. 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.
- I. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- J. 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.
- K. 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.
- L. Any alternatives to the above required safety devices must conform to the list of EPA-approved alternative devices.
- M. Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of treated water.
- N. Do not apply through chemigation systems connected to public water systems.

SPECIFIC USE DIRECTIONS – AGRICULTURAL USES

Crop	Target Pests	Rate		Remarks
		lb. a./A	fl. oz./A	
ALFAFA AND ALFAFA GROWN FOR SEED	<p>Atlatla Caterpillar Army caterworm Cutworm spp. Green Cloverworm Leathopoper species Looper spp. Threecornered Atlatla Hopper Velvetbean Caterpillar Webworm spp.</p>	0.015-0.025	1.92 – 3.20	<p>Remarks</p> <ul style="list-style-type: none"> • Apply only to fields planted to pure stands of alfalfa. • Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. Apply in a minimum of 2 gallons per acre by air or 10 gallons per acre by ground. When foliage is dense and/or pest populations are high 5-10 gallons per acre by air or 20 gallons per acre by ground and higher use rates are recommended. Use higher rates for increased residual control. • Avoid application when bees are actively foraging by applying during the early morning or during the evening hours. Be aware of bee hazard resulting from a cool evening and/or morning dew. It may be advisable to remove bee shelters during and for 2-3 days following application. Avoid direct application to bee shelters. • Do not apply more than 0.03 lb. a.i. (0.24 pts.) per acre per cutting. • Do not apply more than 0.12 lb. a.i. (0.96 pts.) per acre per season. • Do not apply within 1 day of harvest for forage or within 7 days of harvest for hay.

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Crop	Target Pests	Rate		Remarks
		lb. a./A	fl. oz./A	
ALFAFA AND ALFAFA GROWN FOR SEED	Alfalfa Seed Chalcid (Adult) Armyworm Bean Leaf Beetle (Adult) Bristle Beetle spp. Blue Alfalfa Aphid Clover Leaf Weevil spp. Clover Root Borer (Adult) Clover Root Curculio spp. (Adult) Clover Stem Borer (Adult) Corn Earworm Cowpea Aphid Cowpea Curculio (Adult) Cowpea Weevil (Adult) Cucumber Beetle spp. (Adult) Egyptian Alfalfa Weevil Fall Armyworm ¹ Grape Colaspis (Adult) Grasshopper spp. Green June Beetle (Adult) Green Peach Aphid ² Japanese Beetle (Adult) Meadow Spittlebug Mexican Bean Beetle Pea Aphid Pea Weevil (Adult) 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. Yellow-striped Armyworm	0.02-0.03	2.56 – 3.84	<ul style="list-style-type: none">• Apply only to fields planted to pure stands of alfalfa.• Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds.• Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. Apply in a minimum of 2 gallons per acre by air or 10 gallons per acre by ground. When foliage is dense and/or pest populations are high 5-10 gallons per acre by air or 20 gallons per acre by ground and higher use rates are recommended. Use higher rates for increased residual control.• Avoid application when bees are actively foraging by applying during the early morning or during the evening hours. Be aware of bee hazard resulting from a cool evening and/or morning dew. It may be advisable to remove bee shelters during and for 2-3 days following application. Avoid direct application to bee shelters.• Do not apply more than 0.03 lb. a.i. (0.24 pts.) per acre per cutting.• Do not apply more than 0.12 lb. a.i. (0.96 pts.) per acre per season.• Do not apply within 1 day of harvest for forage or within 7 days of harvest for hay. <p>¹ Use higher rates for large larvae.</p> <p>² Suppression only.</p> <p>³ See resistance statement under PRODUCT INFORMATION.</p> <p>⁴ Does not include Western Flower Thrips.</p>

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Crop	Target Pests	Rate		Remarks
		lb. a./A	fl. oz./A	
ALAFEA AND ALFALFA GROWN FOR SEED	Beet Armyworm ^{1,2} Blotch Leafminer ³ Spider Mites	0.03	3.84	• See previous page for remarks
CANOLA	Outworm spp. Armyworm spp. Diamondback Moth Flea Beetle Cabbage Seedpod Weevil Lygus Bug Grasshoppers	0.015-0.03	1.92-3.84	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply a minimum of 2 gals. of water/A. • Do not apply within 7 days of harvest • Do not apply more than 0.09 lb. a.i. (0.72 pts./A) per year.
	Cabbage Aphid	0.03	3.84	<ul style="list-style-type: none"> • 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. • 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. Apply a minimum of 3 gals. of finished spray/A. • Do not harvest or graze livestock or cut treated crops for feed within 21 days of at-plant application. • Do not apply more than 0.09 lb. a.i. (0.72 pts./A) per crop at-plant. • For field corn, popcorn, and seed corn, do not apply more than 0.12 lb. a.i./A per crop from at-plant and foliar applications. • For sweet corn do not apply more than 0.48 lb. a.i./A per crop from at-plant and foliar applications.
CEREAL GRAINS: Corn	Corn Rootworm Larvae (Western, Northern, Southern, Mexican)	0.005 lb. ai per 1,000 ft. of row ²	0.66 fl. oz. per 1,000 ft. of row ²	<ul style="list-style-type: none"> ¹ Suppression only.
(At-Plant): Field Corn Popcorn Lesser Cornstalk Borer Seed Corn Sweet Corn	Outworm spp. Seed corn Maggot Seed corn Beetle Lesser Cornstalk Borer White Grub spp. Wireworm spp. Red Imported Fire Ant ¹			

²Lbs. a.i. and fl. oz./A of Lambda-cyhalothrin applied at 0.56 fl. oz./1000 ft. of row for various row spacings:

Row Spacing	40"	38"	36"	34"	32"	30"
Linear fl./A	13,068	13,756	14,520	15,374	16,335	17,424
Lbs. a.i./A	0.067	0.07	0.075	0.079	0.084	0.09
fl. oz./A	8.6	9.1	9.6	10.1	10.8	11.5

Crop	Target Pests	Rate		Remarks
		lb. a./A	fl. oz./A	
CERREAL GRAINS: Corn (Foliar): Field Corn Popcorn Seed Corn	Cutworm spp. Western Bean Cutworm ¹ Corn Earworm ¹ Green Cutworm Meadow Spittlebug	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> • Apply as required by scouting or locally prescribed corn growth stages, usually at intervals of 7 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds or other locally recommended methods. • Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of target location. When applying by air, apply in a minimum of 2 gals. of water/A. For chinch bug control, begin applications when bugs migrate from small grains or grass weeds to small corn. Direct spray to the base of corn plants. Repeat applications at 3-5 day intervals if needed. Lambda-Cy AG Gold may only suppress heavy infestations and/or subsequent migrations. • For control of adult corn rootworm beetles (<i>Diabrotica</i> species) as part of an aerial-applied corn rootworm control program, use a minimum of 3.94 fl. oz/A (0.03 lb. a./A). • Do not apply within 21 days of harvest. • Do not allow livestock to graze in treated areas or harvest treat corn forage as feed for meat or dairy animals within 1 day after last treatment. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment. • Do not apply more than 0.12 lb. a.i. (0.96 pts./A per crop from at-plant and foliar applications). • Do not apply more than 0.06 lb. a.i. (0.48 pts.) after silk initiation. • Do not apply more than 0.03 lb. a.i. (0.24 pts.) after corn has reached the milk stage (yellow kernels with milky fluid). ¹ For control before the larva bores into the plant stalk or ear. ² Use higher rates for large larvae. ³ Suppression only. ⁴ See resistance statement under PRODUCT INFORMATION.

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Crop	Target Pests	Rate		Remarks
		lb. a. /A	fl. oz. /A	
CEREAL GRAINS: Corn (Foliar); Field Corn Popcorn Seed Corn	Tobacco Budworm ^{1, 4} European Corn Borer ¹ Southwestern Corn Borer ¹ Stalk Borer ¹ Horn Vine Borer ¹ Armyworms? ² Fall Armyworm? ² Yellow-striped Armyworm? ² Weldworm spp. Flea Beetle spp. Western Co. Rootworm Beetle (Adult) Northern Corn Rootworm Beetle (Adult) Southern Corn Rootworm Beetle (Adult) Mexican Corn Rootworm Beetle (Adult) Bean Leaf Beetle Cereal Leaf Beetle Japanese Beetle (Adult) Saw Beetle (Adult) Stink Bug spp. Grasshopper spp. Corn Leaf Aphid ³ Bird Cherry-Oat Apher ³ English Grain Aphid ³	0.02-0.03	2.56-3.84	<ul style="list-style-type: none">• Apply as required by scouting or locally prescribed corn growth stages, usually at intervals of 7 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds or other locally recommended methods.• Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of target location. When applying by air, apply in a minimum of 2 gals. of water/A.• For chinch bug control, begin applications when bugs migrate from small grains or grass weeds to small corn. Direct spray to the base of corn plants. Repeat applications at 3-5 day intervals if needed. Lambda-Cy AG Gold may only suppress heavy infestations and/or subsequent migrations.• For control of adult corn rootworm beetles (<i>Diatraea</i> species) as part of an aerial-applied corn rootworm control program, use a minimum of 3.84 fl. oz/A (0.03 lb. a./A).• Do not apply within 21 days of harvest.• Do not allow livestock to graze in treated areas or harvest treat corn forage as feed for meat or dairy animals within 1 day after last treatment. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment.• Do not apply more than 0.12 lb. a.i. (0.56 pts./A per crop from at-plant and foliar applications).• Do not apply more than 0.06 lb. a.i. (0.48 pts.) after silk initiation.• Do not apply more than 0.03 lb. a.i. (0.24 pts.) after corn has reached the milk stage (yellow kernels with milky fluid).¹ For control before the larva bores into the plant stalk or ear. <p>² Use higher rates for larger larvae. ³ Suppression only. ⁴ See resistance statement under PRODUCT INFORMATION.</p>
	Beet Armyworm ^{2, 4} Chinch Bug Green Bug ^{3, 4} Southern Corn Leaf Beetle Mexican Rice Borer ¹ Rice Stalk Borer ¹ Sugarcane Borer ¹	0.03	3.84	

Crop	Target Pests	Rate		Remarks
		lb. a./A	fl. oz./A	
CEREAL GRAINS: Corn (Foliar): Sweet Corn	Corn Earworm Fall Armyworm ¹ Southern Armyworm ¹ Beet Armyworm ^{1,2} Yellow-Striped Armyworm Cutworm spp. Western Bean Cutworm Webworm spp. European Corn Borer Southwestern Corn Borer Common Cornstalk Borer Western Corn Rootworm Beetle Northern Corn Rootworm Beetle (Adult) Southern Corn Rootworm Beetle Mexican Corn Rootworm Beetle (Adult) Japanese Beetle (Adult) Saw Beetle (Adult) Flea Beetle spp. Tarnished Plant Bug Stink Bug spp. Chinch Bug Aster Leafhopper Grasshopper spp. Aphid spp. ^{2,3} Spider Mite spp. ²	0.02-0.03	2.56-3.84	<ul style="list-style-type: none"> Apply as required by scouting or locally prescribed corn growth stages, usually at intervals of 4 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds or other locally recommended methods and should be targeted for control before insects enter the stalk or ear. Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of foliage and ears (if present). When applying by air, apply in a minimum of 2 gals. of water/A. For control of adult corn rootworm beetles (<i>Diatraea</i> species) as part of an aerial applied corn rootworm control program, use a minimum of 3.2 fl. oz./A (0.025 lb. a./A). Do not apply within 1 day of harvest. Do not allow livestock to graze in treated areas or harvest treated corn forage as feed for meat or dairy animals within 1 day after last treatment. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment. Do not apply more than 0.48 lb. a.i. (3.84 pts./A) per season. Use higher rates for large larvae. ² Suppression only. ³ See resistance statement under PRODUCT INFORMATION.
	Corn Silky (Adult) ²	0.03	3.84	

Crop	Target Pests	Rate	
		lb. a.i./A	fl. oz./A
CEREAL GRAINS: Rice Wild Rice	True Armyworm Fall Armyworm Yellow-striped Armyworm Rice Water Weevil (Adult) Rice Sunk Bug Chinch Bug Grasshopper spp. Leatherjacket spp. Bird Cherry-Oat Aphid Greenbug Sharpshooter spp. Yellow Sugarcane Aphid	0.025-0.04	3.20-5.12
	European Corn Borer ¹ Mexican Rice Borer ¹ Rice Stalk Midge ¹ Rice Stalk Borer ¹ Sugarcane Borer ¹	0.03-0.04	3.84-5.12

REMARKS:

- Markers/leaders supporting aerial applications to wild rice at a rate of 0.04 lb. a.i. per acre, and treating 1200 acres (or more) per day must wear dust-mist respirator.
- Apply as required by scouting. Timing and frequency of application should be based upon insect populations reaching locally determined economic thresholds. Determine the need for repeat applications, usually at intervals of 5-7 days, by scouting.
- Lambda-CyA Gold can be safely used when pregnant products are being used for weed control.
- Apply by air or by ground equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gears of water (or a total carrier volume)/A but ensure sufficient volume is used to provide adequate coverage. In addition, adding an emulsifiable crop oil (e.g., 1 pt./A) when lower aerial application volumes are used is recommended to help improve coverage, reduce evaporation, and improve efficacy. Apply a minimum of 10 gallons/A by ground.
- For control of rice water weevil in any seeded rice, make a roller application as indicated by scouting for the presence of adults and/or feeding scars; usually within a time frame of 0-3 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.
- For control of rice water weevil in water seeded rice, make the first roller 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 3-9 days after the initial treatment and, if needed, apply a second application within 7-10 days of the first application. Adults may also be treated at later stages of rice development to reduce overwintering populations.
- California: In addition to above directions, for control of rice water weevil in water seeded rice, Lambda-CyA Gold may be applied at the 1- to 3-leaf growth stage with the majority at the 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.

(continued)

- REMARKS:** *(continued)*
- Greenbug is known to have many biotypes. Lambda-Cy/AG Gold may only provide suppression. If satisfactory control is not achieved with the first application of Lambda-Cy/AG Gold, a resistant biotype may be present. Use alternate chemistry for control.
 - For control of stem borers, scout fields when rice growth is past panicle differentiation, for early symptoms of damaging populations exhibited as discoloration (orange-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 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 Cacodite and Priscilla are particularly susceptible.
 - Do not release floodwater within 7 days of an application.
 - Do not apply more than 0.12 lb. a.i. (0.96 pts./A) per season.
 - Do not apply more than 0.04 lb. a.i. (0.32 pts./A) 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.
 - For control before the larvae bores into the plant stalk.

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
CEREAL GRAINS: Sorghum (grain)	Oatworm spp. Sorghum Midge	0.015-0.02	1.92-2.56	<ul style="list-style-type: none"> Apply as required by scouting usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of target location. When applying by air, apply in a minimum of 2 grs. of water/A. For sorghum midge control, begin applications when 25% of the sorghum heads have emerged and are in tip bloom. Repeat applications at 5-day intervals if needed. For chinch bug control, 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. Lambda-Cy/AG Gold may only suppress heavy infestations and/or subsequent migrations. Do not apply within 30 days of harvest. Do not apply more than 0.08 lb. a.i. (0.64 pts./A) per season. Do not apply more than 0.06 lb. a.i. (0.48 pts./A) per season after crop emergence. Do not apply more than 0.02 lb. a.i. (0.16 pts./A) per season once crop is in soft dough stage. Use higher rates for large larvae only. For control before the larva bores into the plant stalk. See resistance statement under PRODUCT INFORMATION.
	Armyworm Beet Armyworm ^{1,3} Fall Armyworm ¹ Yellow-striped Armyworm ¹ Corn Earworm European Corn Borer ² Wabworm spp. European Corn Borer ² Southwestern Corn Borer ² Lesser Cornstalk Borer ² Flea Beetle spp. Stink Bug spp. Grasshopper spp.	0.02-0.03	2.56-3.84	

(continued)

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
CEREAL GRAINS: Sorghum (Grain)	Chinch Bug Mexican Rice Borer ² Rice Stalk Borer ² Sugarcane Borer ²	0.03	3.84	<ul style="list-style-type: none">• Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds.• Apply with ground or air equipment using surfactant water and application methods to obtain full coverage of target location. When applying by air, apply in a minimum of 2 gals. of water/A.• For sorghum midge control, begin applications when 25% of the sorghum heads have emerged and are in tip bloom. Repeat applications at 5-day intervals if needed.• For chinch bug control, 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.• Lambda-Cy AG Gold may only suppress heavy infestations and/or subsequent migrations.• Do not apply within 30 days of harvest.• Do not apply more than 0.08 lb. a.i. (0.64 pts./A) per season.• Do not apply more than 0.06 lb. a.i. (0.48 pts./A) per season after crop emergence.• Do not apply more than 0.02 lb. a.i. (0.16 pts./A) per season once crop is in soft dough stage. <p>¹Use higher rates for large larvae only. ²For control before the larva drops into the plant stalk. ³See resistance statement under PRODUCT INFORMATION.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
CERIAL GRAINS: Barley Buckwheat Oats Rye Wheat Wheat Hay Triticale	Cutworm spp. Army Cutworm Armyworm Fall Armyworm Yellow-striped Armyworm Flea Beetle spp. Cereal Leaf Beetle Stink Bug spp. English Grain Aphid ¹ Russian Wheat Aphid ¹ Bird Cherry-Oat Aphid ¹ Grasshopper spp. Orange Blossom Wheat Midge Hessian Fly ⁴ Grass Sawfly	0.015-0.025 0.02-0.03	1.92-3.20 2.56-3.84	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. • For chinch bug control, repeat applications at 3- to 5-day intervals if needed. Lambda-Cy AG Gold may only suppress heavy infestations and/or migrations. • Greenbug is known to have many biotypes. Lambda-Cy AG Gold may provide suppression only. In this situation, a second application using an alternative chemistry may be needed. • 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 animals within 7 days after last treatment. Do not feed treated straw to meat or dairy animals within 30 days after last treatment. • Do not apply more than 0.06 lb. a.i. (0.48 pts.)/A per season. • Best control is obtained before insects begin to roll leaves. Once wheat has started to boot, Lambda-Cy AG Gold may provide suppression only. Higher rates and increased coverage will be necessary.
	Chinch Bug Greenbug ² Corn Leaf Aphid ³ Mite Spp. ²	0.03	3.84	

²Suppression only.

³See resistance statement under PRODUCT INFORMATION.

⁴ Make applications when adults emerge.

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
COLE CROPS: Broccoli Brussels Sprouts Cabbage Cavalo Broccoli Cauliflower Chinese Broccoli (gai lan) Chinese Cabbage (napa) Chinese Mustard Cabbage (gai choy) Kohlrabi	<p>Alabama Looper Imported Cabbageworm Southern Cabbageworm Cateron spp. Cabbage Webworm Diamondback Moth³ Armyworm Beet Armyworm^{1,3} Fall Armyworm¹ Yellow-striped Armyworm Corn Earworm Flea Beetle spp. Japanese Beetle (Adult) Vegetable Weevil (Adult) Grasshopper spp. Leafhopper spp. Plant Bug spp., including Lygus spp.² Stink Bug spp. Meadow Spittlebug Aphid spp.^{2,3} Whitefly spp.^{2,3} Thrips spp.² Spider Mite spp.²</p>	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. Do not apply within 1 day of harvest. Do not apply more than 0.24 lb. a.i. (1.92 pts./A) per season. <p>¹For control of first and second instar only. ²Suppression only. ³See resistance statement under PRODUCT INFORMATION.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
COTTON	Cutworm spp. Tobacco Thrips Soybean Thrips	0.015-0.02	1.92-2.56	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 5-7 days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. Applications may also be made with equipment adapted and calibrated for ULV sprays. Lambda-Cy AH could may be mixed with once-refined vegetable oil and applied in a minimum of at least 1 qt. of finished spray/A. Under light bollworm/budworm infestation levels, 0.02 lb. a.i./A may be applied in conjunction with intense field monitoring. For boll weevil control spray on a 3- to 5-day schedule. When applied according to label directions for control of cotton bollworm and tobacco budworm, Lambda-Cy AG Gold also provides ovicidal control of unattached <i>Heliothis</i> spp. eggs. Do not apply within 21 days of harvest Do not graze livestock in treated areas. Do not apply more than 1.6 pts. (0.2 lb. a.i./A) per season. Do not make more than a total of 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. ¹For control of first and second instar only. ²Suppression only. ³See resistance statement under PRODUCT INFORMATION.
	Lygus Bug spp. ³ Pink Bollworm Cabbage Looper Cotton Leafperforator Saltmarsh Caterpillar Cotton Leafworm Cotton Fleahopper	0.02-0.03	2.56-3.84	
	Cotton Bollworm Tobacco Budworm ³ Boll Weevil Fall Armyworm Beet Armyworm European Corn Borer Brown Stink Bug Green Stink Bug Southern Green Stink Bug Two-spotted Spider Mite ² Cotton Aphid ^{2,3} Bandedwing Whitefly ^{2,3} Sweetpotato Whitefly ²	0.025-0.04	3.20-5.12	
CUCURBIT VEGETABLES CROP GROUP Including: Cayote (fruit) Chinese Waxgourd (Chinese preserving melon)	Armyworm spp. ¹ Blister Beetle spp. Cabbage Looper Corn Earworm Cricket spp. Cucumber Beetle spp. (adults) Armyworm spp. ¹ Blister Beetle spp. Cabbage Looper Corn Earworm	0.02-0.03	2.56-3.84	<p>Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage or target area. When applied by ground, A minimum of 10 gal. Solution per acre is recommended. 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.</p>

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Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
Citron Melon Cucumber Gherkin Gourd (edible) <i>Lagenaria</i> spp. – Includes: hyotan, cucuzza <i>Luffa acutangula</i> , Includes: hechimna, Chinese okra <i>Momordica</i> spp. Includes: balsam apple, balsam pear, bitter melon, Chinese cucumber Muskmelon (hybrids and/ or cultivars of <i>Cucumis</i> <i>melo</i>) – Includes: true cantaloupe cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeyslow melon, honey balls, mango melon Persian melon, pineapple melon, Santa Claus melon, snake melon	Armyworm spp. ¹ Brister Beetle spp. Cabbage Looper Corn Earworm Cricket spp. Cucumber Beetle spp. (adults) Cutworm spp. Flea Beetle spp. Grasshopper spp. June Beetle spp. Leafhopper spp. Leafhopper bug Lygus Bug spp. Melonworm Pickelworm Plant Bug spp. Rindworm spp. complex Saltmarsh Caterpillar Squash Beetle Squash Bug spp. Squash Vine Borer spp. Stink Bug spp. Thrips spp. ^{1,2} Tobacco Budworm ¹ Webworm spp.	0.02-0.03	2.56-3.84	Monitoring of insect populations should be used to determine timing and frequency of applications. Scout fields at a minimum of 5 days 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 Lambda-Cy-AG Gold. ¹ See resistance statement under Directions for Use. ² Does not include Western Flower Thrips. ³ Suppression only.

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Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
<p>Pumpkin Squash, summer (<i>Cucurbita pepo</i> var. <i>meloepoo</i>) –</p> <p>Includes: crookneck squash straightneck squash vegetable marrow, zucchini</p> <p>Squash, winter (<i>Cucurbita maxima</i>, <i>C. moschata</i>) –</p> <p>Includes: Butternut squash, calabaza, Hubbard squash (<i>C. mixta</i>; <i>C. pepo</i>) –</p> <p>Includes: acorn squash, spaghetti squash</p> <p>Watermelon – Includes: Hydrus and/or varieties of <i>Citrullus lanatus</i></p>	<p>Aphid spp.¹ Leafminer spp.^{1,2} Spider Mite spp.³ Whitefly spp.^{1,2}</p> <p>. Do not apply more than 0.18 lb. a.i. (1.44 pbs of product) per season. . Do not apply within 1 day of harvest.</p>	0.03	3.84	

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
FRUITING VEGETABLES: Tomato and Tomatillo Peppers (bell and non-bell) Eggplant Ground Cherry Papino	Carbapog Looper Cutworm spp. Hornworm spp. Tomato Fruitworm Tobacco Budworm ³ Tomato Pinworm Beet Armyworm ^{1,3} Southern Armyworm ¹ Yellow-striped Armyworm ¹ Fall Armyworm ¹ European Corn Borer ⁴ Leaffminer spp. ² Colorado Potato Beetle ³ Flea Beetle spp. Grasshopper spp. Leafhopper spp. Aphid spp. ^{2,3} Whitefly spp. ^{2,3} Meadow Spittlebug Stink Bug spp. Plant Bug spp. Stalk Borer ⁴ Blister Beetle spp. Japanese Beetle (Adult) Pepper Weevil (Adult) ² Vegetable Weevil (Adult) Tomato Psyllid ^{2,3} Spider Mite spp. ² Thrips ⁵ Cucumber Beetle spp. (Adult)	0.02-0.03	2.56-3.84	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. • Do not apply within 5 days of harvest. • Do not apply more than 0.36 lb. a.i. (2.88 pms./A) per season. <p>¹For control of first and second instar only. ²Suppression only. ³See resistance statement under PRODUCT INFORMATION. ⁴For control before the larva bores into the plant stalk or fruit. ⁵Does not include Western Flower Thrips.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
GRASS FORAGE, FODDER, AND HAY Pasture and Rangeland Grass, Grass Grown for Hay or Silage, Grass Grown for Seed	Army Cutworm	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. Air application: Apply in a minimum of 2 gals. per acre or sufficient spray volume to obtain full coverage 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 intervals. Apply in sufficient volume to ensure sufficient coverage of foliage. Chinch bugs: Lambda-Cy Ag Gold may only suppress heavy infestations and/or migrations. In this situation, a second application using an alternative chemistry may be needed. Greenbug: Greenbug is known to have many biotypes; Lambda-Cy Ag Gold may provide suppression only. In this situation, a second application using an alternative chemistry may be needed.
	Essex Skipper			
	Range Caterpillar			
	Striped Grass Looper			
	Beet Armyworm	0.02-0.03	2.56-3.84	
	Billing spp. ²			
	Bird Cherry - Gut Aphid ¹			
	Black Grass Bug			
	Blue Turgess Beetle (Adult)			
	Blue Stem Midge			
	Cereal Leaf Beetle			
	Chinch Bug			
	Crane Fly spp.			
	Cricket spp.			
	English Grain Aphid ¹			
	Fall Armyworm			
	Flea Beetle spp.			
	Grass Mealybug			
	Grass Sawfly (Adult)			
	Grasshopper spp.			
	Green June Beetle (Adult)			
	Greenbug ²			
	Japanese Beetle (Adult)			
	Katydid spp.			
	Leafhopper spp.			
	Wife spp.			
	Rusian Wheat Aphid ¹			
	Southern Armyworm			
	Spittlebug spp.			
	Stink Bug spp.			
	Sugarcane Aphid			
	Thrips spp.			
	Tick spp.			
	True Armyworm			
	Yellow-striped Armyworm			

* Do not apply more than 0.03 lb a.i. (0.24 pts. of product) per acre per cutting for pasture, rangeland and grasses grown for seed. A minimum re-treatment interval (RTI) of 30 days is required for pastures and rangeland receiving 0.03 lb. a.i./A, which have not been cut between applications.
 • Do not apply more than 0.09 lb. a.i. (0.72 pts. of product) per acre per season.

¹Best control is obtained before insects begin to roll leaves.

²See resistance statement under PRODUCT INFORMATION

³Suppression only.

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
LEGUME VEGETABLES (BEANS AND PEAS): Edible Podded (only) <i>Canavalia gladiata</i> - sword bean <i>Canavalia ensiformis</i> – jackbean <i>Glycine max</i> - Soybean (immature seed) Edible Podded, Succulent Shelled or Dried Shelled <i>Phaseolus</i> spp. - Includes: field, kidney, lima, navy, pinto, runner, snap, tepary, and wax beans <i>Vigna</i> spp. - Includes: adzuki, asparagus, mung, rice, urd and yard long beans, black-eyed pea, callang, Chinese longbean, cowpea, Crowder pea, and Southern pea <i>Pisum</i> spp. - Includes: dwarf, edible-pod, English field, garden, green, snow and sugar snap peas <i>Cajanus cajan</i> - Pigeon pea Succulent Shelled or Dried Shelled <i>Vicia faba</i> - broadbean (fava bean)	Cutworm spp. Green Cloverworm Imported Cabbageworm Saltmarsh Caterpillar Velvetleaf Caterpillar Mexican Bean Beetle Corn Earworm Painted Lady Butterfly (larva) European Corn Borer Looper spp. Western Bean Cutworm Tobacco Budworm Armyworm? Fall Armyworm? Yellow-striped Armyworm? Western Yellow-striped Armyworm? Bean Leathskeltonizer Webworm spp. Leather spp. Ailatha Caterpillar Stalk Borer Cucumber Beetle spp. (Adult) Corn Rootworm Beetle spp. (Adult) Flea Beetle spp. (Adult) Curculio and Weevil spp. (foliage and pod feeding adults and larvae) Blister Beetle spp. Bean Leaf Beetle Japanese Beetle (Adult) Leafhopper spp. Flea Hopper spp. Three-cornered Ailafia Hopper Meadow Spittlebug	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 3 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. 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. Do not apply more than 0.12 lb. a.i. (0.96 pt./A) per season. For succulent and dried shelled peas and beans, do not graze livestock in treated areas or harvest vines for forage or hay. For control before the larva bores into the plant stalk or pods. Use higher rates for large larvae. For suppression only. See resistance statement under PRODUCT INFORMATION. Does not include Western Flower Thrips.

(continued)

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
LEGUME VEGETABLES (BEANS AND PEAS): Edible Podded (only) Dried Shelled (only) <i>Lupinus</i> spp. - includes: grain, sweet, white and sweet white lupines <i>Cicer arietinum</i> - Chickpea (garbanzo bean) <i>Cyamopsis</i> <i>tetragonoloba</i> - guar <i>Lathyrus purpureus</i> - Lathyr bean (hyacinth bean) <i>Lathyrus esculata</i> - Lentils	Stink Bug spp. Plant Bug spp.Including <i>Lygus</i> spp. ⁴ Grasshopper spp. Thrips spp. ⁵ Aphid spp. ²	0.02-0.03	2.56-3.84	<ul style="list-style-type: none">• Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds.• Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A.• 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.• Do not apply more than 0.12 lb. a.i. (0.96 pts./A) per season.• For succulent and dried shelled peas and beans, do not graze livestock in treated areas or harvest vines for forage or hay.• For control before the larva bores into the plant stalk or pods.• Use higher rates for large larvae.• For suppression only. ² See resistance statement under PRODUCT INFORMATION. ³ Does not include Western Flower Thrips.

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
LEGUME VEGETABLES: Soybean	Corn Earworm Velvetbean Caterpillar Green Cloveworm Cabbage Looper Painted Lady (Thistle) Caterpillar Saltmarsh Caterpillar Woollybear Caterpillar Cutworm spp. Bean Leaf Beetle Mexican Bean Beetle Western Corn Rootworm Beetle (Adult) Northern Corn Rootworm Beetle (Adult) Southern Corn Rootworm Beetle (Adult) Mexican Corn Rootworm Beetle (Adult) Three-Cornered Alfalfa Hopper Potato Leafhopper Thrips spp. ⁵ Soybean Aphid ⁴	0.015-0.025	1.92-3.20	<p>Remarks</p> <ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Do not graze or harvest treated soybean forage, straw, or hay for livestock feed. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. • For control of adult corn rootworm beetles (<i>Diatraea</i> species) as part of an aerial applied corn rootworm control program, use a minimum of 2.56 fl. oz./A (0.02 lb. a.i./A). • Do not apply within 30 days of harvest. • Do not apply more than 0.06 lb. a.i. (0.48 pps./A) per season. <p>¹ Use higher rates for large larvae. ²Suppression only ³See resistance statement under PRODUCT INFORMATION. ⁴Use lower rates for early season applications and/or lighter populations. ⁵Does not include Western Flower Thrips.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
LEGUME VEGETABLES: Soybean	Armyworm ¹ Fall Armyworm ¹ Yellow-striped Armyworm ¹ Tobacco Budworm ³ Webworm spp. European Corn Borers Silverstriped Skipper Japanese Beetle (Adult) blister beetle spp. Stink Bug spp. Plant Bug spp. Grasshopper spp. Bean Armyworm ^{2,3} Soybean Looper ^{2,3} Lesser Cornstalk Borer ² Spider Mite spp. ²	0.025-0.03	3.20-3.84	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Do not graze or harvest treated soybean forage, straw, or hay for livestock feed. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. • For control of adult corn rootworm beetles (<i>Diabrotica</i> species) as part of an aerial applied corn rootworm control program, use a minimum of 2.55 fl. oz./A (0.02 lb. a.i./A). • Do not apply within 30 days of harvest. • Do not apply more than 0.06 lb. a.i. (0.48 pts./A) per season. <p>¹ Use higher rates for large larvae.</p> <p>²Suppression only.</p> <p>³See resistance statement under PRODUCT INFORMATION.</p> <p>⁴Use lower rates for early season applications and/or lighter populations.</p> <p>⁵Does not include Western Flower Thrips.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
LETTUCE (HEAD AND LEAF)	African Looper	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect population thresholds locally determined. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. • Do not apply within 1 day of harvest. • Do not apply more than 0.3 lb. a.i. (2.4 pts./A) per season. †For control of first and second instar only. ‡Suppression only. §See resistance statement under PRODUCT INFORMATION.
	Imported Cabbageworm Cutworm spp. Saltmarsh Caterpillar Green Coverworm Diamondback Moth ³ Armyworm Beet Armyworm ^{1,3} Fall Armyworm ¹ Southern Armyworm Corn Earworm Tobacco Budworm ³ European Corn Borer Flea Beetle spp. Japanese Beetle (Adult) Vegetable Weevil (Adult) Grasshopper spp. Leafhopper spp. Plant Bug spp. including Lygus spp. ³ Stink Bug spp. Meadow Spittlebug Aphid spp. ^{2,3} Whitefly spp. ^{2,3} Spider Mite spp. ²	0.02-0.03	2.56-3.84	

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
ONION (BULB) AND GARLIC	Cutworm spp. Seedcorn Maggot (Adult) Onion Maggot (Adult) Leafminer spp. (Adult)	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. Use the higher label rates as thrips population increases and avoid rescue situations. Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of foliage. When applying by air, apply in a minimum of 2 gals. of water/A. For thrips control by aerial application, the addition of 1 % COC w/v, 1/4 % NIS w/v, or a silicone adjuvant (follow manufacturer's use directions) may enhance the deposition of the spray and increase plant coverage. Do not apply within 14 days of harvest. Do not apply more than 0.24 lb. a.i. (1.92 pts./A) per season. F- or control of the first and second instars only. S-suppression only. <p>See resistance statement under PRODUCT INFORMATION.</p>
	Amyrworm spp. ¹ Onion Thrips ³ Tobacco Thrips ³ Western Flower Thrips ³ Flower Thrips ^{2,3} Aphid spp. ² Plant Bug spp. Stink Bug spp.	0.02-0.03	2.56-3.84	

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
PEANUT	Cutworm spp. Green Cloverworm Velvetbean Caterpillar Red-necked Peanut Worm	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 7 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. When applying by air apply in a minimum of 2 gals. of water/A. • Do not apply within 14 days of harvest. • Do not apply more than 0.12 lb. a.i. (0.96 lbs./A) per season. • Do not graze livestock in treated areas. • Do not use treated vines or hay for animal feed. † Use higher rates for large larvae. ‡ suppression only.
	Potato Leafhopper			
	Corn Earworm Fall Armyworm ¹ Bean Leaf Beetle Southern Corn Rootworm (Adult) Vegetable Weevil Winteringed Beetle (Adult) Stink Bug spp. Tobacco Thrips Grasshopper spp.	0.02-0.03	2.56-3.84	
	Beet Armyworm ² Soybean Looper ² Lesser Cornstalk Borer ² Spider Mite spp. ² Aphid spp. ²	0.03	3.84	<p>† See resistance statement under PRODUCT INFORMATION.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
POME FRUITS: Apple Crabapple Loquat Mayhaw Oriental Pear Pear Quince	Leafroller spp. Codling Moth Tufted Apple Budworm Oriental Fruit Moth Lesser Appleworm Green Fruitworm Tent Caterpillar spp. Tentiform Leaf Miner spp. Apple Maggot (Adult) Cherry Fruit Fly spp. (Adult) Pear Sawfly Plum Curculio Japanese Beetle Plant Bug spp. Stink Bug spp. Leafhopper spp. Periodical Cicada Rosy Apple Aphid Apple Aphid Pear Psylla San Jose Scale (fruit infestations only) Orange Tortrix Omnivorous Leafroller Spirea Aphid ¹ Tree Borer spp. Webworm spp.	0.02-0.04	2.56-5.12	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground or air equipment using sufficient water to obtain full coverage of the foliage or target area. When applying by air, apply in a minimum of 5 gals. of water/A but use higher volumes as appropriate for thorough coverage. • Do not apply within 21 days of harvest. • Do not apply more than 0.2 lb. a.i. (1.6 pts./A per year. • Do not apply more than 0.16 lb. a.i. (1.28 pts./A per year post bloom. ¹ Suppression only.

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
STONE FRUITS: Apricot Sweet and Tart Cherry Nectarine Peach Chickasaw Plum Damson Plum Japanese Plum Plumcot Prune	Leafroller spp. Peach Twig Borer Oriental Fruit Moth Peachtree Borer spp. Green Fruitworm Tent Caterpillar spp. American Plum Borer Cherry Fruit Fly spp. (Adult) Plum Curculio Rose Chatter Japanese Beetle Plant Bug spp. Slink Bug spp. Leafhopper spp. Periodical Cicada Black Cherry Aphid Apple Maggot (Adult) Codling Moth June Beetle Pear Sawfly Thrips spp.	0.02-0.04	2.56-5.12	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds and IPM. Apply with ground or air equipment using sufficient water to obtain full coverage of the foliage or target area. When applying by air, apply in a minimum of 5 gals. of water/A, but use higher volumes as appropriate for thorough coverage. Do not apply within 14 days of harvest. Do not apply more than 0.2 lb. a.i. (1.6 pts./A per year. Do not apply more than 0.16 lb. a.i. (1.28 pts./A per year post bloom.
SUGARCANE	Sugarcane Borer ¹ Rice Stalk Borer ¹ Sugarcane Beetle (Adult) ² Yellow Sugarcane Aphid ³ Mexican Rice Borer ⁴ Pygmy Mole Cricket Sugarcane Aphid ⁵ West Indian Crane fly	0.025-0.04	3.20-5.12	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 7 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold. Apply with ground or air equipment using sufficient water to obtain full coverage of the foliage or target area. When applying by air, apply a minimum of 2 gals. of water/A. Do not apply more than 0.16 lb. a.i. (1.28 pts./A per season. For control before the larva bores into the plant stalk. ¹Suppression only of beetles active above ground. ²See resistance statement under PRODUCT INFORMATION.

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
SUNFLOWER	Sunflower Beetle Cutworm spp.	0.015-0.025	1.92-3.20	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground or air equipment using sufficient water to obtain full coverage of sunflower heads and/or foliage. When applying by air, apply in a minimum of 2 gals. of water/A. • Do not apply within 45 days of harvest. • Do not apply more than 0.12 lb. a.i. (0.56 pts./A) per season. • Do not apply more than 0.09 lb. a.i. (0.72 pts./A) per season after bloom initiation. • Do not apply as a ultra-low volume (ULV) spray. Use higher rates for large larvae. <p>¹Suppression only. ²See resistance statement under PRODUCT INFORMATION. ³See resistance statement under PRODUCT INFORMATION.</p>
	Banded Sunflower Moth Fall Armyworm Woollybear Caterpillar Spotted Cabbage Looper Painted Lady (Thistle) Caterpillar Seed Weevil (Adult) Stem Weevil (Adult) Head-Clipper Weevil (Adult) Japanese Beetle (Adult) Sunflower Maggot (Adult) Leafhopper spp. Meadow Spittlebug Stink Bug spp. Grasshopper spp.	0.02-0.03	2.56-3.94	
	Beet Armyworm ³ Spider Mite spp. ²	0.03	3.94	

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
TOBACCO	Tobacco Budworm ² Tobacco Hornworm Cabbage Looper Corn Earworm Salt Marsh Caterpillar Armyworm spp. ¹ Cutworm spp. Webworm spp. Tobacco Flea Beetle (Adult) Cucumber Beetle spp. (Adult) Bristle Beetle spp. Vegetable Weevil (Adult) Japanese Beetle (Adult) Grasshopper spp. Tree Cricket spp. Katydid spp. Plant Bug spp. ³ Sinkbug spp. Tobacco Thrips spp. ² Tobacco Aphid spp. ²³ Tobacco Hornworm Potato Tubeworm	0.015-0.03	1.92-3.94	<ul style="list-style-type: none"> • Apply as required by scouting, usually at intervals of 7 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold. • Apply with ground or air equipment using sufficient water to obtain full coverage of the foliage. When applying by air, apply in a minimum of 2 pats. of water/A. • Do not apply within 40 days of harvest. • Do not apply more than 0.09 lb. a.i. (0.72 pts./A) per year. • For control of first and second instar only. • Suppresson only. <p>²Suppression only. ³See resistance statement under PRODUCT INFORMATION.</p>

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
TREE NUTS: Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Nut Macadamia Nut (Bush Nut) Walnut, Black Walnut, English (Persian) Pecan	Leafroller spp. Navel/Orangeworm Codling Moth Filbertworm Peach twig Borer Walnut Husk Fly spp. (Adult) Anits Plant Bug spp. Stink Bug spp. Chinch Bug Leaffooted Bug Walnut Aphid	0.02-0.04	2.56-5.12	<ul style="list-style-type: none"> Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect populations reaching locally determined economic threshold. Apply with ground or air equipment using sufficient water to obtain full coverage of the foliage or target area. When applying by air, apply in a minimum of 5 gals. of water/A, but use higher rates as appropriate for thorough coverage. Do not apply within 14 days of harvest. Do not apply more than 0.16 lb. a.i. (1.28 pts./A per year. Do not apply more than 0.12 lb. a.i. (0.96 pts./A per year post-bloom).
	Hickory Shuckworm Pecan Casebearer spp. Pecan Weevil Pecan Aphid spp. Pecan Spindlebug Pecan Phylloxera spp. Stink Bug spp	0.02-0.04	2.56-5.12	

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
TUBEROUS AND CORM VEGETABLES CROP GROUP Including: Araceae Arrowroot Artichoke (Chinese and Jerusalem only) Canna (edible) Cassava (bitter and sweet) Chayote (root) Chufa Dashen Lentil Potato Sweet Potato Taro Turmeric Yam (bean and true)	Cutworm spp. Leathopon spp. Saltmarsh Caterpillar Sweet Potato Hornworm Woollybear Caterpillar spp.	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. Air application: Apply in a minimum of 2 gal. per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make 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 Lambda-Cy/Ag Gold. ¹ See resistance statement under PRODUCT INFORMATION ² Does not include Western Flower Thrips. ³ Suppression only.
Aphid species ¹ Varmworm spp. ¹ Blister Beetle spp. Colorado Potato Beetle Corn Earworm Cricket spp. Cucumber Beetle spp. (Adults) European Corn Borer Flea Beetle spp. (adults) Grasshopper spp. Looper spp. ² Lygus Bug spp. ¹ Plant Bug spp. Potato Psyllid Potato Tuberworm Stink Bug spp. Sweet Potato Leaf Beetle (Adults) Sweet Potato Vine Borer Thrips spp. ^{2,3} Tortoise Beetle spp. Webworm spp. Weevil spp. (Adults)	Aphid species ¹ Varmworm spp. ¹ Blister Beetle spp. Colorado Potato Beetle Corn Earworm Cricket spp. Cucumber Beetle spp. (Adults) European Corn Borer Flea Beetle spp. (adults) Grasshopper spp. Looper spp. ² Lygus Bug spp. ¹ Plant Bug spp. Potato Psyllid Potato Tuberworm Stink Bug spp. Sweet Potato Leaf Beetle (Adults) Sweet Potato Vine Borer Thrips spp. ^{2,3} Tortoise Beetle spp. Webworm spp. Weevil spp. (Adults)	0.02-0.03	2.56-3.84	
	Leathminer spp. ^{1,3} Whitefly spp. ^{1,3} Spider Mite spp. ³	0.03	3.84	<ul style="list-style-type: none"> • Do not apply more than 0.12 lb. a.i. (0.96 pt.) per acre per year per season. • Do not apply within 7 days of harvest.

NON-AGRICULTURAL USES

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
CONIFER AND DECIDUOUS TREES: Plantations Nurseries	Pine Tip Moth spp.	0.02-0.04	2.56-5.12	• To control exposed foliage, flower, cone, seed, and bark feeding insects, apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. • Apply with ground equipment using sufficient water to obtain full coverage of target site. When applying by air, apply a minimum of 2 gals. of water/A. • Do not apply more than 0.24 lb. a.i. (1.92 pts./A) per year. † Suppression only.
	Spruce Budworm			
	Bagworm			
	Tent Caterpillar spp.			
	Leaftier spp.			
	Gypsy Moth			
	Weevorm spp.			
	Tussock Moth spp.			
	Pine Sawfly spp.			
	Sawfly spp.			
	Pine Chafer			
	Japanese Beetle			
	May Beetle spp.			
	June Beetle spp.			
	Pine Colaspis Beetle			
	Leaf Beetle spp.			
	Pales Weevil			
	Pine Weevil spp.			
	Pine Conklet Bug			
	Spittlebug spp.			
Pine Leaf Chermid				
Balsam WoollyAphid				
Balsam Twig Aphid				
Black Pine Weevil				
Black Pine Weevil				
Elm Leaf Beetle				
European Elm Bark Beetle				
Mealybug spp. ¹				
Pine Needle Scale				
Pine Tortoise Scale				
Poplar Aphid spp.				

Crop	Target Pests	Rate		Remarks
		lb. a.i./A	fl. oz./A	
CONIFER AND DECIDUOUS TREES: Seed Orchards	Coneworm spp. Seed Bug spp. Trips spp.	See Remarks	See Remarks	<ul style="list-style-type: none"> 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/A. For aerial applications, apply 15 fl. oz./A in a minimum of 10 gals. finished spray/A. Do not apply more than 0.5 lb. a.i. (4 pts./A) per year.
NON-CROPLAND (Excluding Public Land)	See Crop Outlets on this label for target pest and rates.	See Crop Outlets	See Crop Outlets	<ul style="list-style-type: none"> Spray non-cropland adjacent to agricultural areas to control migratory insects, which may threaten crops. Follow use directions, rates, and spray recommendations found elsewhere in this label for the adjacent crop outlet 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. (1.6 pts./A) per year. Do not graze livestock in treated areas.

Rate Conversion Chart

Lb. A.I. Per Acre	Fl. Oz. Per Acre	Pints Per Acre	Treated Acres Per Gallon
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.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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 – Do not reuse or refill container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Triple rinse as follows:

Containers 5 gallons or less: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Once cleaned, offer for recycling or reconditioning if appropriate.

Containers larger than 5 gallons: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times.

Refillable Containers: Return container to point of purchase for reuse with seal intact and in salable condition. Refill this container with lambda-cyhalothrin only. Do not reuse this container for any other purpose. Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container. Cleaning this 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 rinseate into application equipment or rinseate collection system. Repeat this rinsing procedure two more times.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of DIRECT AG SOURCE, LLC, Inc. or Seller. To the extent consistent with applicable law all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold DIRECT AG SOURCE, LLC and Seller harmless for any claims relating to such factors.

DIRECT AG SOURCE, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or DIRECT AG SOURCE, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW DIRECT AG SOURCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law in no event shall DIRECT AG SOURCE, LLC or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF DIRECT AG SOURCE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES, INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF DIRECT AG SOURCE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

DIRECT AG SOURCE, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of DIRECT AG SOURCE, LLC.

NOTES

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.

LAMBDA-CY AG GOLD

*For the Control of a Variety of Insect Pests on Selected Crops
Contains the same active ingredient as Karate® Insecticide.*

Active Ingredient:..... **13.1%**
Lambda-cyhalothrin.....
Other Ingredients:..... **86.9%**
Total:..... **100.0%**

Contains petroleum distillates.
Contains 1 lb. of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO**

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

EPA Reg. No. 83222-11

EPA Est. No. 53883-TX-002

62171-MS-001
44616-MO-001
39578-TX-001
61842-CA-001
70989-MO-001

PT = 53883-TX-002; MS = 62171-MS-001; MO = 44616-MO-001; BT = 39578-TX-001; CA = 61842-CA-001; MO = 70989-MO-001

The first letters of the batch code indicate the producing establishment:



**DIRECT AG
SOURCE™**

Manufactured By:
Direct Ag Source, LLC
30473 260th Street • Eldora, IA 50627

Net Contents: **1 Gallon (3.79 L)** **2.5 Gallons (9.46 L)**