

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Dr. Mathew Brooks LG Life Sciences C/O Ag-Chem Consulting 12208 Quinque Lane Clifton, VA 20124

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant,

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated October 5, 2009 for:

EPA Registration 71532-20 Lambdastar Insecticide

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by nonnotification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Diapao of my staff at 703-305-7269.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

Please read instructions of	n reverse before comple	orm.		Form Appro	oved. No.	2070-006	O. Approval expires 2-28-95
\$EPA	Environmental	United States I Protectio ington, DC 204	ion Agency Am			ation ment	OPP Identifier Number
		Applicatio	on for Pestici	de - Secti	on I		
1. Company/Product Numb LG Life Sciences/ 71				Product Manag erly Nesci	ger	3. Pr	roposed Classification
4. Company/Product (Nam LG Life Sciences / La		e	PM# 11				
5. Name and Address of A LG Life Sciences c/o 12208 Quinque Lan Clifton VA 20124	o Ag-Chem Consul		(b)(i), n to: EPA F Produ	ny product is Reg. No uct Name			FIFRA Section 3(c)(3) pmposition and labeling
			Section - I	<u>II</u>			
Amendment - Expla	ein below. sponse to Agency letter	dated		Final printed Agency letter "Me Too" Ap		N	OTIFICATION
Notification - Explai	in below.			Other - Explai	in below.	l	NOV 2 7 2009
Notification of Revised Stor This notification is consiste other changes have been r 1001 to willfully make any t 156.140, 156.144, 156.146 and 14 of FIFRA.	ent with the provisions of P made to the labeling or the false statement to EPA. I	PR Notice 2007- e Confidential St further understa	 4 and EPA regulation 5 tatement of Formula and that if this notifical blation of FIFRA and 	a of this product cation is not con I I may be subje	t. I understand than nsistent with the re	at it is a vio equirement	plation of 18 U.S.C. Sec.
			Section - I	<u>ii</u>		. 	
1. Material This Product W Child-Resistant Packaging Yes ✓ No * Certification must be submitted	Vill Be Packaged in: Unit Packaging Yes ✓ No If "Yes" Unit Packaging wgt.	No. per container	Water Soluble P Yes No If "Yes" Package wgt	Packaging No. per container	2. Type of	o of Container Metal Plastic Glass Paper Other (Specify)	
3. Location of Net Content		4. Size(s) Reta	" A-saine	<u> </u>	5. Location of Lab	-1 Directio	
✓ Label	Container	5	5, 15, 30, 50 gal.		On Labe)ns
6. Manner in Which Label i	s Affixed to Product	Lithogra Paper g Stencile	aph glued led	Other			
			Section - I	7			
1. Contact Point (Complete	e items directly below fo	or identification	n of individual to be	e contacted, if	necessary, to pre	ocess this	application.)
Name Dr. Matthew Brooks		i	Title Regulatory Cons	ultant		Telephone 703-266-0	e No. (Include Area Code) 0128
	tements I have made on any knowlinglly false or r e law.		all attachments the				6. Date Application Received (Stamped)
2. Signature	'n	1	3. Title Regulatory Consultant				
4. Typed Name		٤	5. Date				
Matthew Brooks			10-5-09				



Ag-Chem Consulting

Pesticide Science and Registration 12208 Quinque Lane, Clifton VA 20124 (703) 266-0128 <u>mwbrooks@ag-chem.com</u> (703) 266-4377 Fax

October 5, 2009

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) One Potomac Yard (South Building) 2777 S. Crystal Drive Arlington, VA 22202

Subject: Lambdastar Insecticide (EPA Reg. No. 71532-20) Notification of Revised Storage and Disposal Section

Dear Ms. Arrington,

Ag-Chem Consulting, on behalf of LG Life Sciences, hereby submits the following notification for the above product. This has been previously submitted as a notification on April 14, 2009 and rejected because the refillable statement was beyond the scope of PRN 2007-4. We have revised the refillable container statement to be of the exact language of PRN 2007-4.

Should you have any questions or require additional information, please do not hesitate to contact me at 703-266-0128.

Sincerely,

Dr. Matthew Brooks

Director, Aq-Chem Consulting

An Authorized Representative for LG Life Sciences, Ltd.

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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.

GROUP 3 Insecticide

LAMBDASTAR INSECTICIDE

For the Control of a Variety of Insect Pests on Selected Crops

NOTIFICATION

NOV 2 7 2009

Active Ingredient:

Lambda-cyhalothrin13.1%Inert Ingredients:86.9%Total100.0%

Contains petroleum distillates.

Contains 1 lb. of active ingredient per gallon.

LambdaStar Insecticide is an emulsifiable concentrate.

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. 71532-20

EPA Est. No. 5905-AR-01

5905-GA-01 5905-IA-01 44616-MO-01

Net Contents: Gallons

Manufactured for: LG Life Sciences, LTD. 910 Sylvan Avenue Englewood Cliffs, NJ 07632

	FIRST AID
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	 Can a poison control center of doctor for treatment advice. 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	 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	 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.
treatment.	iner or label with you when calling a poison control center or doctor, or going for intains petroleum distillate – vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals DANGER-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 op o

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viton >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 ecoses 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

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

Resistance

LambdaStar Insecticide is a Group 3 Insecticide (contains the active ingredient Lambda-cyhalothrin). 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, pot 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 bööm 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 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.

TANK MIX APPLICATION

When tank mixing with any other agricultural product, always add LambdaStar Insecticide 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 recommended rate of LambdaStar Insecticide 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 LambdaStar Insecticide has good flexibility for tank mixing with other agricultural products, a jar test for physical compatibility is recommended for untried mixtures using proper ratios and mixing sequences of all ingredients to be included in the mixture.

LambdaStar Insecticide is an aqueous based formulation. It is recommended that no type of nonemulsifiable oils be used in combination with LambdaStar Insecticide. 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 0000
- 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.
- Is non-phytotoxic to the target crop.
 Is compatible in mixture (may be established through a jar test).
- 4. Is supported locally for use with LambdaStar Insecticide on the target crop through

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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

It is recommended that the following not be used in combination with LambdaStar Insecticide as diluents or adjuvants:

Non-emulsifiable Oils Diesel Fuel Straight Mineral Oil

CHEMIGATION

Sprinkler Irrigation Application

Apply LambdaStar Insecticide 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 LambdaStar Insecticide 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 LambdaStar Insecticide 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 recommended rate of LambdaStar Insecticide 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 LambdaStar Insecticide be applied through an irrigation systemers 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 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

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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 nonuniform distribution of treated water.
- N. Do not apply through chemigation systems connected to public water systems.

SPECIFIC USE DIRECTIONS - AGRICULTURAL USES

	USE DIRECTIONS ~		ite	
Crop	Target Pests	lb. a.i/A	fl. oz./A	Remarks
ALAFAFA	Alfalfa Caterpillar	0.015-0.025	1.92 – 3.20	Apply only to fields planted to pure
AND	Army cutworm			stands of alfalfa.
ALFALFA	Cutworm spp.	•		Apply as required by scouting. Timing
GROWN	Green Cloverworm			and frequency of applications should be
FOR SEED	Leafhopper spp.			based upon insect populations reaching
•	Looper spp.			locally determined economic
	Threecornered Alfalfa			thresholds.
,	Hopper			Apply with ground or air equipment
	Velvetbean Caterpillar	İ	1	using sufficient water to obtain full
	Webworm spp.			coverage of foliage. Apply in a
	Alfalfa Seed Chalcid	0.02-0.03	2.56 - 3.84	minimum of 2 gallons per acre by air
	(Adult)		į	and a minimum of 10 gallons per acre
	Alfalfa Weevil			by ground. When foliage is dense
	Armyworm Poor Loof Pootlo (Adult)			and/or pest populations are high 5-10
	Bean Leaf Beetle (Adult) Blister Beetle spp.			gallons per acre by air or 20 gallons per
	Blue Alfalfa Aphid			acre by ground and higher use rates are
	Clover Leaf Weevil spp.			recommended. Use higher rates for
	Clover Root Borer			increased residual control.
	(Adult)	1		Avoid application when bees are
	Clover Root Curculio			actively foraging by applying during the
	spp. (Adult)	:		early morning or during the evening
	Clover Stem Borer			hours. Be aware of bee hazard resulting
	(Adult) Corn Earworm			from a cool evening and/or morning
	Cowpea Aphid			dew. It may be advisable to remove bee
•	Cowpea Curculio (Adult)			shelters during and for 2-3 days
l	Cowpea Weevil (Adult)			following application. Avoid direct
	Cucumber Beetle Spp.			application to bee shelters.
	(Adult)			• Do not apply more than 0.03 lb. a.i.
	Egyptian Alfalfa Weevil Fall Armyworm ¹			(0.24 pt.) per acre per cutting.
	Grape Colaspis (Adult)			• Do not apply more than 0.12 lb. a.i.
	Grasshopper spp.			(0.96 pt.) per acre per season.
	Green June Beetle (Adult)			• Do not apply within 1 day of harvest
	Green Peach Aphid ³		·	for forage or within 7 days of harvest
	Japanese Beetle (Adult)			for hay.
	Meadow Spittlebug			Tree tieter and a Contained town
	Mexican Bean Beetle			Use higher rates for large larvae.
	Pea Aphid Pea Weevil (Adult)			² Suppression only. ³ See resistance statement under
•	Plant Bug spp. Including			GENERAL INFORMATION.
	Lygus spp. 3			Does not include Western Flower
	Spotted Alfalfa Aphid	1		
	Stink Bug spp.			Thrips.
	Sweet Clover Weevil			
	(Adult)			
	Thrips spp. 4			
	Western Yellow-striped			
	Armyworm Whitefringed Beetle spp.			
	(Adult)	1		
	Yellow-striped			
	Armyworm		1	
	Beet Armyworm ^{1, 3}	0.03	3.84	· · ·
	Blotch Leafminer ³			
	Spider Mites ²			
		· · · · · · · · · · · · · · · · · · ·		**************************************

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
CANOLA	Cutworm spp. Armyworm spp. Diamondback Moth Flea Beetle Cabbage Seedpod Weevil Lygus Bug Grasshoppers Looper spp.	0.015-0.03	1.92-3.84	 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. Apply in a minimum of 2 gallons per acre by air and a
	Cabbage Aphid	0.03	3.84	minimum of 10 gallons per acre by ground. • Do not apply within 7 days of harvest. • Do not apply more than 0.09 lb. a.i. (0.72 pt.) per acre per year.
CEREAL GRAINS: Corn (At- Plant): Field Corn Popcorn Seed Corn Sweet Corn	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	0.005 lb. a.i. per 1,000 ft. of row ²	0.66 fl. oz. per 1,000 ft. of row ²	 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 gallons of finished spray per acre. 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 pt.) per acre per crop at-plant. For field corn, popcorn, and seed corn, do not apply more than 0.12 lb. a.i. (0.96 pt.) per acre per crop from at-plant and foliar applications. For sweet corn do not apply more than 0.48 lb. a.i. (3.84 pts.) per acre per crop from at-plant and foliar applications. Suppression only.

Row Spacing	and fl. oz./A of Lambo	38"	36"	34"	32"	30"
Linear Ft./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
FI. oz./A	8.6	9.1	9.6	10.1	10.8	11.5

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
CEREAL GRAINS: Corn (Foliar): Field Corn	Cutworm spp. Western Bean Cutworm¹ Corn Earworm¹ Green Cloverworm Meadow Spittlebug	0.015-0.025	1.92-3.20	• 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
Popcorn Seed Corn	Tobacco Budworm¹ ⁴ European Corn Borer¹ Southwestern Corn Borer¹ Lesser Cornstalk Borer Stalk Borer¹ Hop Vine Borer¹ Armyworm² Fall Armyworm² Yellow-striped Armyworm² Webworm spp. Flea Beetle spp. Seedcorn Beetle Western Corn Rootworm Beetle (Adult) Northern Corn Rootworm Beetle (Adult) Southern Corn Rootworm Beetle (Adult) Mexican Corn Rootworm Beetle (Adult) Mexican Corn Rootworm Beetle (Adult) Southern Corn Rootworm Beetle (Adult) Bean Leaf Beetle Cereal Leaf Beetle Japanese Beetle (Adult) Stink Bug spp. Grasshopper spp. Corn Leaf Aphid³ Bird Cherry-Oat Aphid³ English Grain Aphid³ Beet Armyworm², ⁴ Chinch Bug	0.02-0.03	3.84	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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. • 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. LambdaStar Insecticide may only suppress heavy infestations and/or subsequent migrations. • For control of adult corn rootworm beetles (Diabrotica species) as part of an aerial-applied corn rootworm control program, use a minimum of 3.84 fl. oz. per acre (0.03 lb. a.i. per acre). • 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 pt.) per acre per crop from at-plant and foliar applications. • Do not apply more than 0.06 lb. a.i. (0.48 pt.) after silk initiation.
	Green Bug ^{3,4} Southern Corn Leaf Beetle ³ Mexican Rice Borer ¹ Rice Stalk Borer ¹ Sugarcane Borer ¹			• 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). ¹For 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 GENERAL INFORMATION.

		R	ate	
CROP	Target Pests	lb. a.i./A	fl. oz./A	Remarks
CROP CEREAL GRAINS Rice, Wild Rice	Bird Cherry-Oat Aphid Chinch Bug Fall Armyworm Grasshopper spp. Greenbug Leafhopper spp. Rice Stink Bug Riceworm Rice Water Weevil (Adult) Sharpshooter spp. True Armyworm Yellow Sugarcane Aphid Yellowstriped Armyworm European Corn Borer Mexican Rice Borer Rice Seed Midge Rice Stalk Borer Sugarcane Borer	0.03-0.04	3.20-5.12 3.84-5.12	 Mixers/loaders 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. LambdaStar Insecticide can be safely used when propanil 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 gallons of water (or a total carrier volume) per acre but ensure sufficient volume is used to provide adequate coverage. In addition, adding an emulsifiable crop oil (e.g., 1 pt. per acre) when lower aerial application volumes are used is recommended to help improve coverage, reduce evaporation, and improve efficacy. Apply a minimum of 10 gallons per acre by ground. For control of rice water weevil in dry seeded rice, make a foliar application as indicated by scouting for the presence of adults and/or feeding scars, usually within a time-frame of 0-5 days after permanent flood establishment. Do not exceed 10 days from starting permanent flood until insecticide application unless scouting indicates 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 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

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, LambdaStar Insecticide may be applied at the 1-3 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.
- California: Pre-flood, Pre-plant broadcast soil application for control of rice water weevil in wet-sown rice culture. Uniformly broadcast LambdaStar Insecticide at 3.8-5.1 fl. oz. per acre (0.03 – 0.04 lb. a.i. per acre) as a pre-flood, preplant application in wet-sown rice culture. Apply in a minimum of 2 gallons of water (or a total carrier volume) per acre by air or a minimum of 20 gallons of water per acre by ground. For improved efficacy, light incorporation of this product into the upper 1-2 inches of soil following application is recommended - a "roller" may be used for this incorporation. Apply pinpoint flood not more than 5 days after the soil application of this product, or weevil control may be reduced. Scout for feeding scars after plant emergence and apply a second foliar treatment if needed. Do not apply more than 5.1 fl. oz. (0.04 lb. a.i.) per acre under this use pattern.
- Greenbug is known to have many biotypes. Lambdastar Insecticide may only provide suppression. If satisfactory control is not achieved with the first application of Lambdastar Insecticide, a resistant biotype may be present. Use alternate chemistry for control.
- For control of stem borers, scout fields, when rice growth is near 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	ice
	ł		stems. Make the first application at par	nicle
		}	differentiation to 2 inch panicle for par	tial
			control. Make the second application a	t
'		_	boot to heading for maximum control.	
			rice varieties are susceptible to stem bo	
			damage, but Cocodrie and Priscilla an	
			particularly susceptible.	•
1			• Do not release flood water within 7	
			days of an application.	
		ĺ	• Do not apply more than 0.12 lb. a.i. (0.96	pl.)
]	per acre per season.	_
			• Do not apply more than 0.04 lb. a.i. (0.3	
}			pt.) per acre within 21 to 27 days of har	
			 Do not apply within 21 days of harves 	st.
		ľ	• Do not use treated rice fields for the	
			aquaculture of edible fish and crusta	cea.
		i.	• Do not apply as an ultra-low volume	
			(ULV) spray.	
	·]	For control before the larvae bores into	the
}	l l	1	plant stalk.	
		L	Prairie Smith.	

Rail Armyworm! Fall Armyworm! Yellow-striped Armyworm! Corn Earworm Webworm spp. European Corn Borer² Southwestern Corn Borer² Lesser Cornstalk Borer² Flea Beetle spp. Stink Bug spp. Grasshopper spp. Chinch Bug Mexican Rice Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² I Use higher rates for large larvae only. Po not apply more than 0.08 lb. a.i. (0.64 pt.) per acre per season once crop is in soft dough stage. I Use higher rates for large larvae only. Piccontrol before the larva bores into the plant stalk. See resistance statement under			R	ate	
CERÉAL GRAINS: Sorghum Midge Cutworm spp. Sorghum Midge Armyworm Beet Armyworm' Yellow-striped Armyworm' Corn Earworm Webworm spp. European Corn Borer² Southwestern Corn Borer² Lesser Cornstalk Borer² Flea Beetle spp. Chinch Bug Mexican Rice Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² On the stalk Borer² Sugarcane Borer² Chinch Pug Mexican Rice Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² On the stalk Borer² Sugarcane Borer² Sugarcane Borer² Lesser Corn Stalk Borer² Rice Stalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Lesser Corn Stalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Corn Stalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Rice Stalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Rice Stalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Sugarcane Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Sugarcane Borer² Sugarcane Borer² Lesser Cornstalk Borer² Lesser Cornstalk Borer² Sugarcane Borer² Lesser Cornstalk Borer² Lesser Cornstal	Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
Armyworm Beet Armyworm Fall Armyworm Yellow-striped Armyworm Corn Earworm Webworm spp. European Corn Borer Southwestern Corn Borer Lesser Cornstalk Borer Flea Beetle spp. Stink Bug spp. Grasshopper spp. Chinch Bug Mexican Rice Borer Rice Stalk Borer Sugarcane Borer Sugarcane Borer Sugarcane Borer Lesser Cornstalk Borer Sugarcane Borer O.03 3.84 3.	CEREAL GRAINS: Sorghum	Cutworm spp.	0.015-0.02	1.92-2.56	usually at intervals of 5 or more days. Timing and frequency of applications
GENERAL INFORMATION.	(Grain)	Beet Armyworm ^{1,3} Fall Armyworm ¹ Yellow-striped Armyworm ¹ Corn Earworm Webworm spp. European Corn Borer ² Southwestern Corn Borer ² Lesser Cornstalk Borer ² Flea Beetle spp. Stink Bug spp. Grasshopper spp. Chinch Bug Mexican Rice Borer ² Rice Stalk Borer ²			thresholds. Apply with ground or air equipment using sufficient water and application methods to obtain full coverage of target location. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. 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. LambdaStar Insecticide 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 pt.) per acre per season. 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. Use higher rates for large larvae only. For control before the larva bores into the plant stalk.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
CEREAL GRAINS:	Cutworm spp. Army Cutworm	0.015-0.025	1.92-3.20	Apply as required by scouting, usually at intervals of 5 or more days.
Barley Buckwheat Oats Rye Wheat Wheat Hay Triticale	Armyworm Fall Armyworm Yellow-striped Armyworm Flea Beetle spp. Cereal Leaf Beetle Stink Bug spp. English Grain Aphid¹ Russian Wheat Aphid¹ Bird Cherry-Oat Aphid¹ Grasshopper spp. Orange Blossom Wheat Midge Hessian Fly⁴	0.02-0.03	2.56-3.84	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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. • For chinch bug control, repeat applications at 3- to 5-day intervals if needed. LambdaStar Insecticide may only suppress heavy infestations and/or migrations.
	Grass Sawfly	0.025-0.03	3.20-3.84	Greenbug is known to have many
	Chinch Bug Greenbug ¹ , ² Corn Leaf Aphid ² Mite Spp. ²	0.03	3.84	biotypes. LambdaStar Insecticide 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 pt.) /A per season. Best control is obtained before insects begin to roll leaves. Once wheat has started to boot, LambdaStar Insecticide may provide suppression only. Higher rates and increased coverage will be necessary. Suppression only. See resistance statement under GENERAL INFORMATION. Make applications when adults emerge.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
COLE CROPS: Broccoli Brussels Sprouts Cabbage Cavalo Broccolo Cauliflower Chinese Broccoli (gai lon) Chinese Cabbage (napa) Chinese Mustard Cabbage (gai choy) Kohlrabi	Alfalfa Looper Cabbage Looper Imported Cabbageworm Southern Cabbageworm Cutworm spp. Cabbage Webworm Diamondback Moth³ Armyworm Beet Armyworm¹ Yellow-striped Armyworm Corn Earworm Flea Beetle spp. Japanese Beetle (Adult) Vegetable Weevil (Adult) Grasshopper spp. Leafhopper spp. Leafhopper spp. Plant Bug spp. including Lygus spp³ Stink Bug spp. Meadow Spittlebug Aphid spp.² Whitefly spp.² Spider Mite spp.²	0.015-0.025	2.56-3.84	 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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. Do not apply within 1 day of harvest. Do not apply more than 0.24 lb. a.i. (1.92 pts.) per acre per season. For control of first and second instar only. Suppression only. See resistance statement under GENERAL INFORMATION.

		Ra	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
COTTON	Cutworm spp. Tobacco Thrips Soybean Thrips	0.015-0.02	1.92-2.56	• 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
	Lygus Bug spp. ³ Pink Bollworm Cabbage Looper Cotton Leafperforator Saltmarsh Caterpillar Cotton Leafworm Cotton Fleahopper	0.02-0.03	2.56-3.84	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 and a minimum of 10 gallons per acre by ground.
	Cotton Bollworm Tobacco Budworm³ Boll Weevil Fall Armyworm Beet Armyworm ^{1,3} European Corn Borer Brown Stink Bug Green Stink Bug Southern Green Stink Bug Two-spotted Spider Mite² Cotton Aphid².³ Bandedwing Whitefly².³ Sweetpotato Whitefly².³	0.025-0.04	3.20-5.12	 Applications may also be made with equipment adapted and calibrated for ULV sprays. LambdaStar Insecticide may be mixed with once-refined vegetable oil and applied in a minimum of at least 1 qt. of finished spray per acre. Under light bollworm/budworm infestation levels, 0.02 lb. a.i. (0.16 pt.) per acre 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, LambdaStar Insecticide also provides ovicidal control of unhatched <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 0.2 lb. a.i. (1.6 pts.) per acre 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. For control of first and second instar only. Suppression only. Suppression only. See resistance statement under GENERAL INFORMATION.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
CUCURBIT VEGETABLES Chayote (fruit) Chinese Waxgourd	Target Pests Armyworm spp. 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. Melonworm Pickleworm Plant Bug spp.	lb. a.i./A 0.02-0.03	fl. oz./A 2.56-3.84	Remarks • 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 all plant parts. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. • Use higher application volumes and/or rates when foliage is dense, pest populations are high, larvae are large, weather conditions are adverse and/or as plant size
includes: balsam apple, balsam pear, bitter melon, Chinese cucumber Muskmelon (hybrids and/or cultivars of Cucurnis melo) — includes: true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa	Rindworm spp. complex Saltmarsh Caterpillar Squash Beetle Squash Bug spp. Squash Vine Borer spp. Stink Bug spp. Thrips spp. Thobacco Budworm Webworm spp.			increases. Use higher rates for longer residual. 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 LambdaStar Insecticide. Do not apply more than 0.18 lb. a.i. (1.44 pts.) per acre per season. Do not apply within 1 day of harvest.
Claus melon, snake melon Pumpkin Squash, summer (Cucurbita pepo var. melopepo) — includes: crookneck squash, straightneck squash, straightneck squash, vegetable marrow, zucchini Squash, winter (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 Citrulius lanatus	Aphid spp. 1,3 Leafminer spp. 1,3 Spider Mite spp. 3 Whitefly spp. 1,3	0.03	3.84	GENERAL INFORMATION. Does not include Western Flower Thrips. Suppression only.

FRUITING VEGETABLES: Tomato and	Target Pests Cabbage Looper	lb. a.i./A	fl. oz./A	Remarks
VEGETABLES: Tomato and	Cabbage Looper		II. UZ./ A	Remarks
Peppers (bell and non-bell) Eggplant Ground Cherry Pepino	Cutworm spp. Hornworm spp. Tomato Fruitworm Tobacco Budworm³ Tomato Pinworm Beet Armyworm¹,³ Southern Armyworm¹ Yellow-striped Armyworm¹ Fall Armyworm¹ European Corn Borer⁴ Leafminer spp.² Colorado Potato Beetle³ Flea Beetle spp. Grasshopper spp. Leafhopper spp. Aphid spp²,³ Whitefly spp²,³ 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 Psyllid²,³ Spider Mite spp.² Thrips⁵ Cucumber Beetle spp. (Adult)	0.015-0.025	2.56-3.84	 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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. Do not apply within 5 days of harvest. Do not apply more than 0.36 lb. a.i. (2.88 pts.) per acre per season. 'For control of first and second instar only. 'Suppression only. 'See resistance statement under GENERAL INFORMATION. For control before the larva bores into the plant stalk or fruit. 'Does not include Western Flower Thrips.
	·			

		I	Rate	
Crop	Target Pests	lb.a.i./A	fl.oz./A	Remarks
GRASS FORAGE, FODDER AND HAY Pasture and Rangeland Grass, Grass Grown for hay or Silage and Grass Grown for	Army Cutworm Cutworm spp. Essex Skipper Range Caterpillar Striped Grass Looper	0.015-0.025	1.92-3.2	 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 and application methods to obtain full coverage of foliage. Apply in a
Seed	Beet Armyworm Billbug spp. ³ Bird Cherry-Oat Aphid ¹ Black Grass Bug Black Turfgrass 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 ^{1,2} Japanese Beetle (adult) Katydid spp. Leafhopper spp. Mite spp. ³ Russian Wheat Aphid ¹ Southern Armyworm Spittlebug spp. Stink Bug spp. Sugarcane Aphid Thrips spp. Tick spp. True Armyworm Webworm spp. Yellowstriped Armyworm	0.02-0.03	2.56-3.84	minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. • Use higher application volumes and rates when foliage is dense, pest populations are high, larvae are large and/or weather conditions are adverse. Use higher rates for longer residual. • For chinch bug control, LambdaStar Insecticide may only suppress heavy infestations and/or migrations. In this situation, a second application using an alternative chemistry may be needed. • Greenbug is known to have many biotypes. LambdaStar Insecticide may provide suppression only. In this situation, a second application using an alternative chemistry may be needed. Pasture and rangeland grass may be used for grazing or cut for forage 0 days after application. Do not cut grass to be dried and harvested for hay until 7 days after the last application. Grass grown for seed: Straw and mature seed (seed screenings) may be used as feed 7 days after the last application. Regrowth of grass grown for seed may be used for grazing, cut for forage or cut to be dried and harvested for hay. • Do not apply more than 0.03 lb. a.i. (0.24 pt.) per acre per cutting for pastures, rangeland and grasses grown for seed. A minimum retreatment interval (RTI) of 30 days is required for pastures and rangeland receiving 0.03 lb. a.i. per acre which have not been cut

 between applications. Do not apply more than 0.09 lb. a.i. (0.72 pt.) per acre per season.
¹ Best control is obtained before insects begin to roll leaves. ² See resistance statement under GENERAL INFORMATION. ³ Suppression only.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
LEGUME	Cutworm spp.	0.015-0.025	1.92-3.20	Apply as required by scouting.
VEGETABLES	Green Cloverworm			usually at intervals of 5 or more
(BEANS AND PEAS):	Imported			
Edible Podded	Cabbageworm		İ	days. Timing and frequency of
(only)	Saltmarsh Caterpillar			applications should be based upon
Canavalia gladiata-	Velvetleaf Caterpillar			insect populations reaching locally
sword bean	Mexican Bean Beetle			determined economic thresholds.
		0.02-0.03	2.56-3.84	Apply with ground or air
Canavalia ensiformis –	Corn Earworm	0.02-0.03	2.50-5.07	equipment using sufficient water to
jackbean	Painted Lady Butterfly		l	
Glycine max - Soybean	(larva)			obtain full coverage of foliage.
(immature seed)	European Corn Borer			Apply in a minimum of 2 gallons
Edible Podded,	Looper spp.			per acre by air and a minimum of
Succulent	Western Bean Cutworm	}	1	10 gallons per acre by ground.
Shelled or Dried	Tobacco Budworm ⁴			For edible podded and succulent
Shelled	l .			
Phaseolus spp	Armyworm ²			shelled legume vegetables, do not
includes: field,	Fall Armyworm ²			apply within 7 days of harvest.
kidney, lima, navy,	Yellow-striped			For dried shelled legume
pinto, runner, snap,	Armyworm ²		· ·	vegetables, do not apply within 21
tepary, and wax beans	Western Yellow-striped			days of harvest.
Vigna spp includes:	Armyworm ²	1		• Do not apply more than 0.12 lb.
adzuki, asparagus,	Bean Leafskeletonizer			be not apply more than 0.12 io.
moth,	Webworm spp.	1		a.i. (0.96 pt.) per acre per season.
mung, rice, urd and	Leaftier spp.			For succulent and dried shelled
yard long beans, black-	Alfalfa Caterpillar			peas and beans, do not graze
	Stalk Borer ¹	1	1	livestock in treated areas or harvest
eyed pea, catjang,	Cucumber Beetle spp.			vines for forage or hay.
Chinese longbean,	(Adult)			ines ior iorage or may
cowpea, Crowder pea,	Corn Rootworm Beetle			IFan control before the lamin bases
and Southern pea	spp. (Adult)	ļ		For control before the larva bores
Pisum spp	Flea Beetle spp. (Adult)		ļ	into the plant stalk or pods.
includes: dwarf,	Curculio and Weevil	· ·		² Use higher rates for large larvae.
edible-pod, English,	spp. (foliage and pod			³ For suppression only.
field, garden, green,	feeding adults and	ŀ	İ	⁴ See resistance statement under
snow and sugar snap	larvae)		ļ	GENERAL INFORMATION.
peas	Blister Beetle spp.			Does not include Western Flower
Cajanus cajan - Pigeon				1
pea	Bean Leaf Beetle			Thrips.
Succulent	Japanese Beetle (Adult)			
Shelled or Dried	Leafhopper spp.			
Shelled	Flea Hopper spp.			
Vicia faba broadbean	Three-cornered Alfalfa	1		
(favabean)	Hopper			
Dried Shelled	Meadow Spittlebug		'	
(only)	Stink Bug spp.		-	
Lupinus spp includes:	Plant Bug spp. Including			
grain, sweet, white and	Lygus spp. ⁴	1		
sweet white lupines	Grasshopper spp.			
Cicer arietimum -	Thrips spp. 4,5			
	Aphid spp.4	Į.	1	
Chickpea (garbanzo				
bean)	Beet Armyworm ^{3,4}	0.03	3.84	
Cyamopsis	Soybean Looper ^{3,4}			
tetragonoloba -	Lesser Cornstalk			
guar	Borer ³			
Lablab pupureus -				
Lablab bean	Leafminer spp. 3,4	1		
(hyacinth bean)	Whitefly spp. 3,4			
Lens esculata -	Spider Mite Spp. ³		1	1
Lens escutata -	opidel wife opp.	1		

LEGUME Corn Earworm Velvetbean Caterpillar Green Cloverworm	lb. a.i./A 0.015-0.025	fl. oz./A	Remarks
LEGUME Corn Earworm Velvetbean Caterpillar Green Cloverworm			
Fall Armyworm¹ Yellow-striped Armyworm³ Tobacco Budworm³ Webworm spp. European Corn Borer Silverspotted Skipper Japanese Beetle (Adult) Blister Beetle spp. Stink Bug spp. Plant Bug spp. Grasshopper spp.	0.025-0.03	3.20-3.84	 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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. For control of adult corn rootworm beetles (Diabrotica species) as part of an aerial applied corn rootworm control program, use a minimum of 2.56 fl. oz. per acre (0.02 lb. a.i. per acre). Do not apply within 30 days of harvest. Do not apply more than 0.06 lb. a.i. (0.48 pt.) per acre per season. Use higher rates for large larvae. 2 Suppression only. 3 See resistance statement under GENERAL INFORMATION. 4 Use lower rates for early season applications and/or lighter populations. 5 Does not include Western Flower Thrips.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
LETTUCE (HEAD AND LEAF)	Alfalfa Looper Cabbage Looper Imported Cabbageworm Cutworm spp. Saltmarsh Caterpillar	0.015-0.025	1.92-3.20	• Apply as required by scouting, usually at intervals of 5 or more days. Timing and frequency of applications should be based upon insect p populations reaching locally
	Green Cloverworm 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)	0.02-0.03	2.56-3.84	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 and a minimum of 10 gallons per acre by ground. • Do not apply within 1 day of harvest. • Do not apply more than 0.3 lb. a.i. (2.4 pts.) per acre per season. 'For control of first and second instar only.
	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			² Suppression only. ³ See resistance statement under GENERAL INFORMATION.
ONION (BULB) AND GARLIC	Cutworm spp. Seedcorn Maggot (Adult) Onion Maggot (Adult) Leafminer spp. (Adult)	0.015-0.025	1.92-3.20	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
CARDIC	Armyworm spp. ¹ Onion Thrips ³ Tobacco Thrips ³ Western Flower Thrips ^{2,3} Flower Thrips ^{2,3} Aphid spp. ² Plant Bug spp. Stink Bug spp.	0.02-0.03	2.56-3.84	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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. For thrips control by aerial application, the addition of 1 % COC v/v, 1/4% NIS v/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.) per acre per season. For control of the first and second instars only. Suppression only. See resistance statement under GENERAL INFORMATION.

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Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
PEANUT	Cutworm spp. Green Cloverworm Velvetbean Caterpillar Red-necked Peanut Worm Three-cornered Alfalfa Hopper Potato Leafhopper	0.015- 0.025	1.92-3.20	 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
	Corn Earworm Fall Armyworm¹ Bean Leaf Beetle Southern Corn Rootworm (Adult) Vegetable Weevil Whitefringed Beetle (Adult) Stink Bug spp. Tobacco Thrips	0.02-0.03	2.56-3.84	coverage of foliage. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. • Do not apply within 14 days of harvest. • Do not apply more than 0.12 lb. a.i. (0.96 pt.) per acre per season.
	Grasshopper spp. Beet Armyworm ^{2,3} Soybean Looper ^{2,3} Lesser Cornstalk Borer ² Spider Mite spp. ² Aphid spp. ²	0.03	3.84	2 Suppression only. 3 See resistance statement under GENERAL INFORMATION.
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 Apple Aphid Rosy Apple Aphid Pear Psylla¹ San Jose Scale (fruit infestations only) Orange Tortrix Omnivorous Leafroller Spirea Aphid¹ Tree Borer spp. Webworm spp.	0.02-0.04	2.56-5.12	 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. Apply in a minimum of 10 gallons per acre by air and a minimum of 50 gallons per acre by ground. Do not apply within 21 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. Suppression only.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
STONE FRUITS: Apricot Sweet and Tart Cherry Nectarine Peach Plum 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 Chafer Japanese Beetle Plant Bug spp. Stink 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	 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 recommendations. Apply with ground or air equipment using sufficient water to obtain full coverage of the foliage or target area. Apply in a minimum of 10 gallons per acre by air and a minimum of 50 gallons per acre by ground. 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	Sugarcane Borer ¹ Rice Stalk Borer ¹ Sugarcane Beetle (Adult) ² Yellow Sugarcane Aphid ³ Mexican Rice Borer ¹ Pygmy Mole Cricket Sugarcane Aphid ³ West Indian Cranefly	0.025-0.04	3.20-5.12	 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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. Do not apply within 21 days of harvest. Do not apply more than 0.16 lb. a.i. (1.28 pts.) per acre per season. 'For control before the larva bores into the plant stalk. 2Suppression only of beetles active above ground. 'See resistance statement under GENERAL INFORMATION.

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
SUNFLOWER	Sunflower Beetle	0.015-	1.92-3.20	Apply as required by scouting,
50111 20 11 21	Cutworm spp.	0.025		usually at intervals of 5 or more
	Sunflower Moth	0.02-0.03	2.56-3.84	days. Timing and frequency of
	Banded Sunflower Moth		ł	applications should be based upon
	Fall Armyworm ¹]	insect populations reaching locally
	Woollybear Caterpillar			determined economic thresholds.
	Spotted Cabbage	l		Apply with ground or air equipment
	Looper			using sufficient water to obtain full
	Painted Lady (Thistle)			coverage of sunflower heads and/or
	Caterpillar			foliage. Apply in a minimum of 2
	Seed Weevil (Adult)		i	gallons per acre by air and a minimum
	Stem Weevil (Adult)			of 10 gallons per acre by ground.
	Head-Clipper Weevil			• Do not apply within 45 days of
	(Adult)			harvest.
	Japanese Beetle (Adult)	1	İ	• Do not apply more than 0.12 lb. a.i.
	Sunflower Maggot			(0.96 pt.) per acre per season.
	(Adult)			• Do not apply more than 0.09 lb. a.i.
	Leafhopper spp.			(0.72 pt.) per acre per season after
	Meadow Spittlebug			bloom initiation.
	Stink Bug spp.			• Do not apply as a ultra-low volume
	Grasshopper spp.			(ULV) spray.
		0.03	3.84	1
	Beet Armyworm ^{2,3}	ļ		¹ Use higher rates for large larvae.
·	Spider Mite spp. ²			² Suppression only.
				³ See resistance statement under
TOPACCO	Tobacco Budworm ³	0.015-0.03	1.02.2.94	GENERAL INFORMATION.
TOBACCO	Tobacco Hudworm	0.013-0.03	1.92-3.84	• Apply as required by scouting,
				usually at intervals of 7 or more days. Timing and frequency of
	Cabbage Looper Corn Earworm			applications should be based upon
	Salt Marsh Caterpillar			insect populations reaching locally
	Armyworm spp. 1		,	determined economic threshold.
	Cutworm spp.			Apply with ground or air equipment
	Webworm spp.			using sufficient water to obtain full
	Tobacco Flea Beetle]	coverage of the foliage. Apply in a
	(Adult)			minimum of 2 gallons per acre by air
	Cucumber Beetle spp.			and a minimum of 10 gallons per acre
•	(Adult)			by ground.
	Blister Beetle spp.			• Do not apply within 40 days of
	Vegetable Weevil		1	harvest.
	(Adult)			• Do not apply more than 0.09 lb. a.i.
	Japanese Beetle (Adult)		1	(0.72 pt.) per acre per year.
	Grasshopper spp.	Ì	}	
	Tree Cricket spp.	1	1	'For control of first and second instar
	Katydid spp.			only.
	Plant Bug spp.3			² Suppression only.
	Stinkbug spp.			³ See resistance statement under
	Tobacco Thrips spp. ²			GENERAL INFORMATION.
	Tobacco Aphid spp. ^{2,3}		İ	
	Tobacco Hornworm			·
	Potato Tuberworm			

		R	ate	
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
TREE NUTS: Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Nut Macadamia Nut (Bush Nut) Pistachio Walnut, Black Walnut, English (Persian)	Leafroller spp. Navel Orangeworm Codling Moth Filbertworm Peach Twig Borer Walnut Husk Fly spp. (Adult) Ants Plant Bug spp. Stink Bug spp. Chinch Bug Leaffooted Bug Walnut Aphid	0.02-0.04	2.56-5.12	 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. Apply in a minimum of 10 gallons per acre by air and a minimum of 50 gallons per acre by ground. Do not apply within 14 days of harvest. Do not apply more than 0.16 lb. a.i. (1.28 pts.) per acre per year. Do not apply more than 0.12 lb. a.i.
Pecan	Hickory Shuckworm Pecan Casebearer spp. Pecan Weevil Pecan Aphid spp. Pecan Spittlebug Pecan Phylloxera spp. Stink Bug spp.	0.02-0.04	2.56-5.12	(0.96 pt.) per acre per year post bloom.

		R		
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks
TUBEROUS AND CORM VEGETABLES (Potato, Sweet Potato, Yams and Related)	Cutworm spp. Leafhopper spp. Saltmarsh Caterpillar Sweet Potato Hornworm Woolybear Caterpillar spp.	0.015- 0.025	1.92-3.20	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.
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)	Aphid spp. 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. 1 Plant Bug spp. Potato Psyllid Potato Tuberworm Stink Bug spp. Sweet Potato Leaf Beetle (adults) Sweet Potato Vine Borer Thrips spp. 1, 2 Tortoise Beetle spp. Webworm spp. Weevil spp. (adults)	0.02-0.03	2.56-3.84	
	Leafminer spp. ^{1,3} Whitefly spp. ^{1,3} Spider Mite spp. ³	0.03	3.84	 Do not apply within 7 days of harvest. Do not apply more than 0.12 lb. a.i. (0.96 pt.) per acre per season. ¹See resistance statement under GENERAL INFORMATION. ²Does not include Western Flower Thrips. ³Suppression only.

NON-AGRICULTURAL USES

NON-AGRICULTURAL USES Rate								
Crop	Target Pests	lb. a.i./A	fl. oz./A	Remarks				
CONIFER AND DECIDUOUS TREES: Plantations Nurseries	Pine Tip Moth spp. Spruce Budworm Bagworm Tent Caterpillar spp. Leafroller spp. Gypsy Moth Webworm 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 Conelet Bug Spittlebug spp. Pine Leaf Chermid Balsam Wooly Aphid Balsam Twig Aphid Birch Leafminer Black Pine Weevil Elm Leaf Beetle European Elm Bark Beetle Mealybug spp. Pine Needle Scale Pine Tortoise Scale Poplar Aphid spp.	0.02-0.04	11. 0Z./A 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. Apply in a minimum of 2 gallons per acre by air and a minimum of 10 gallons per acre by ground. • Do not apply more than 0.24 lb. a.i. (1.92 pts.) per acre per year.				
CONIFER AND DECIDUOUS TREES: Seed Orchards	Coneworm spp. Seed Bug spp. Thrips spp.	See Remarks	See Remarks	 For high volume sprayers, dilute 5.12 fl. oz. per 100 gallons of water and apply 5-10 gallons of finished spray per tree. For low volume sprayers, dilute 20 fl. oz. per 100 gallons of water and apply 100 gallons of finished spray per acre. For aerial applications, apply 15 fl. oz. per acre in a minimum of 10 gallons finished spray per acre. Do not apply more than 0.5 lb. a.i. (4 pts.) per acre per year. 				
NON- CROPLAND (Excluding Public Land)	See Crop Outlets on this label for target pest and rates.	See Crop Outlets	See Crop Outlets	 Spray non-cropland adjacent to agricultural areas to control migratory insects, which may threaten crops. Follow general 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.) per acre 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 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:

For Containers equal to or less than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. 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. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Containers greater than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. 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. 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. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 Bulk, Mini-Bulk, EZ Handler® and Boomerang Container Disposal Return container to point of purchase for reuse with seal intact and in salable condition.

Container Precautions

Before refilling RETURNABLE CONTAINERS, 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.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

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 <u>refunded</u>.

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 LG Life Sciences, LTD., 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 LG Life Sciences, LTD., and Seller harmless for any claims relating to such factors.

LG Life Sciences, LTD., 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 LG Life Sciences, LTD., and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW LG Life Sciences, LTD., MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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