



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 10, 2016

Karen Murphy  
Regulatory Affairs Manager  
Liberty Crop Protection, LLC.  
4850 Hahns Peak Drive Suite 200  
Loveland, CO 80538

Subject: Notification per PRN 98-10 – Correction of typographical errors, revised address  
Product Name: LIBERTY TEB-LAMBDA EC  
EPA Registration Number: 89168-26  
Application Date: 07/29/2016  
Decision Number: 519966

Dear Ms. Murphy:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, please contact Maryam K. Muhammad by phone at 703-347-0301, or via email at [Muhammad.maryam@epa.gov](mailto:Muhammad.maryam@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to be "H. Johnson".

Hope Johnson, Product Manager 21  
Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

**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

## Liberty Teb-Lambda EC

**Active Ingredients:**

Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1  
*H*-1,2,4-triazole-1-ethanol.....22.30%  
 Lambda-cyhalothrin, [1 $\alpha$ (S\*), 3 $\alpha$ (Z)]-( $\pm$ )-cyano-(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate .....4.94%  
 Other Ingredients\*.....72.76%  
**Total**.....100.00%  
 Contains 1.82 lbs./gal tebuconazole and 0.4 lbs./gal. lambda cyhalothrin

**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.)

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN:</b> This product causes irreversible eye damage. "Probable mucosal damage may contraindicate the use of gastric lavage.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information you may also call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ) or poison control 1-800-222-1222.	
<b>HOT LINE NUMBER:</b> For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call <b>1-800-424-9300</b>	
<b>NOTIFICATION</b>	

EPA Reg. No. 89168-26

EPA Est. No. 89168-26

LIBERTY CROP PROTECTION, LLC  
~~1966 W 15<sup>th</sup> Street, Suite 6~~  
 4850 Hahns Peak Drive Suite 200  
 Loveland, CO 80538

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/10/2016

Net Contents: \_\_\_\_ Gallons ( \_\_\_\_ L)

031814 031814RD072916

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**DANGER/PELIGRO:** Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spraymist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective eyewear (goggles or faceshield), Long-sleeved shirt and Long pants, socks, shoes and chemical resistant gloves (selection category E)

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### 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 resistance category selection chart.

#### Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, Category E, 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
- 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 exist, 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/PPE 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 toxic to mammals, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

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.

**Ground Water Advisory:** Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**Surface Water Advisory:** This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall- runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

**Physical or Chemical Hazards** - Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

### **DIRECTIONS FOR USE**

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

#### **SHAKE WELL BEFORE USING.**

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)**  
**Refer to the Crop Specific Directions for appropriate REI.**

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 short-sleeved shirt and short pants
- Chemical-resistant gloves, Category E, 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

Liberty Teb-Lambda EC is a uniquely formulated emulsifiable concentrate product intended to provide fungicidal and insecticidal properties for the control of the listed diseases and insects on, Corn (Field, Seed, Sweet, Popcorn), Cotton, Cucurbits, Soybeans, Sunflowers, and Barley and Wheat.

Initial and residual control is contingent upon thorough crop coverage. Apply with ground or aerial equipment using sufficient water to obtain full coverage of foliage. Apply in a minimum of 5 gal/acre by air or 10 gal/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, Liberty Teb-Lambda EC may be applied before, during, or after planting. For soil-incorporated applications, use higher listed rates for improved control.

## **RESISTANCE MANAGEMENT**

Liberty Teb-Lambda EC is a combination Group 3 fungicide and Group 3 Insecticide. Some diseases and 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 similar modes of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of disease or 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**

OBSERVE THE FOLLOWING RESTRICTIONS 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.

### **SPRAY DRIFT RESTRICTIONS**

- Apply only during alternate years in fields adjacent to aquatic areas listed above.
- Do not apply by ground within 100 ft or by air within 150 ft of lakes, reservoirs, rivers, permanent streams, marshes, pot holes, or natural ponds, estuaries, and commercial fish farm ponds. Increase the buffer zone to 450 ft when ultralow volume (ULV) application is made.
- Do not cultivate within 10 ft of the aquatic area so as to allow growth of a vegetative filter strip.
- Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3-10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.
- 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 ft. 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 ft. vegetated non-cropped buffer strip for runoff protection would be part of the larger 150 ft. buffer strip (or 450 ft. buffer strip for ULV application) required for spray drift.
- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

### **SPRAY DRIFT PRECAUTIONS**

- 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 ft above the crop canopy should be avoided.
- Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction

is toward the aquatic area.

- 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.
- 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 the wing span or rotor diameter.

## **TANK MIX APPLICATION**

Fill the spray tank at least 1/3 full of clean water or diluents. With the pump and agitator running continuously, add the specified amount of each product in the tank mix to the spray tank and allow to fully disperse, adding Liberty Teb-Lambda EC last. Add the remainder of water or diluent to the spray tank. Follow the precautions and limitations of the most restricted product in the tank mixture.

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

## **CHEMIGATION**

### **USE DIRECTIONS - Sprinkler Irrigation Application**

Apply Liberty Teb-Lambda EC 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, rates and mixing instructions. These recommendations should be proven, through university and extension field trials, to be effective with Liberty Teb-Lambda EC 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 specified rate of Liberty Teb-Lambda EC 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 directions, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of Liberty Teb-Lambda EC 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.

Do not apply Liberty Teb-Lambda EC 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 Directions - Sprinkler Irrigation Applications**

- A. 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.
- B. 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 back-flow.

- C. The pesticide injection pipeline must contain a functional, automatic, quick-closing check- valve to prevent the flow of fluid back toward the injection pump.
- D. 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.
- E. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- F. 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.
- G. **Do not** apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of treated water.
- H. **Do not** apply through chemigation systems connected to public water systems.
- I. Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.
- J. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- K. If you have any questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers, or other experts.
- L. 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.
- M. 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 are capable of being fitted with a system interlock.
- N. Any alternatives to the above required safety devices must conform to the list of EPA-approved alternative devices.

APPLICATION DIRECTIONS		
CROP	DISEASE / PESTS	Fl. Oz. / A
<b>Cucurbit Vegetables Group</b>	Powdery mildew ( <i>Sphaerotheca fuliginea</i> / <i>Podosphaera xanthrii</i> / <i>Erysiphe cichoracearum</i> )	8 – 9.5
Chayote	Armyworm species <sup>1</sup>	
Chinese waxgourd	Blister Beetle species	
Citron melon	Cabbage Looper	
Cucumber	Corn Earworm	
Gherkin	Cricket species	
Edible gourd (includes hyotan, cucuzza, hechima and Chinese okra)	Cucumber Beetle species (adults)	
<i>Momordica</i> spp (includes balsam apple, balsam pear, bitter melon and Chinese cucumber)	Cutworm species	
Muskmelon (includes cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple	Flea Beetle species	
	Grasshopper species	
	June Beetle species	
	Leaffooted Bug	
	Leaf hopper species	
	Lygus Bug species <sup>1</sup>	
	Melonworm	

melon, Santa Claus melon and snake melon) Pumpkin Summer squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini) Winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash) Watermelon	Pickleworm Plant Bug species Rindworm species complex Saltmarsh Caterpillar Squash Beetle Squash Bug species Squash Vine Borer species Stink Bug species Thrips species <sup>1,2</sup> Tobacco Budworm <sup>1</sup> Webworm species	
	Aphid species <sup>1</sup> Leafminer species <sup>1,3</sup> Whitefly species <sup>1,3</sup> Spider Mite species <sup>3</sup>	9.5

**Precautions:**

- Apply the specified dosage in a protective spray schedule to foliage and fruit.
- Apply as required by scouting, usually at intervals of 10 to 14 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. When applying by air, apply in a minimum of 5 gal. total solution per acre. When applying by ground, a minimum of 10 gal. total solution per acre is recommended.
- Use higher application volumes and/or listed rates when foliage is dense, pest populations are high, larvae are large, weather conditions are adverse and/or as plant size increases. Use higher listed 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 Liberty Lambda-Teb EC.
- For optimum disease and insect control apply using 1 to 2 qts of Velomax / 100 gallons of spray solution.
- This product must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time this product will be resistant to weathering.
- This product is a combination (Group 3) fungicide, demethylation inhibitor (DMI), and (Group 3) Insecticide.

<sup>1</sup>See **Resistance** statement under **Directions for Use**.

<sup>2</sup>Does not include Western Flower Thrips

<sup>3</sup>Suppression only.

**Restrictions:**

- **Restricted entry interval (REI) = 24 hours**
- **Do not** apply within 7 days of harvest.
- **Do not** apply more than 0.48 lb. a.i. of all Tebuconazole containing products (34 fl. oz. of this product) per acre per season.
- **Do not** apply more than 0.18 lb. a.i. of all Lambda Cyhalothrin containing products (57 fl. oz. of this product) per acre per season.

**NOTE:** Maximum application of this product, per acre, per season, for this use is 34 fl. oz.



APPLICATION DIRECTIONS		
CROP	DISEASE / PESTS	Fl. Oz. / A
Barley Wheat (Wheat Hay Triticale)	Rust ( <i>Puccinia</i> spp) Head blight ( <i>Fusarium</i> spp) <sup>2</sup> Army Cutworm Armyworm Bird Cherry-Oat Aphid <sup>1</sup> Cereal Leaf Beetle Chinch Bug Corn Leaf Aphid <sup>2</sup> Cutworm species English Grain Aphid <sup>1</sup> Fall Armyworm Flea Beetle species Grasshopper species Grass Sawfly Greenbug <sup>1,3</sup> Hessian Fly <sup>4</sup> Mite species <sup>2</sup> Orange Blossom Wheat Midge Russian Wheat Aphid <sup>1</sup> Stink Bug species Yellowstriped Armyworm	8

#### Application timing directions

- **Rusts** Apply this product at the earliest sign of rust pustules on foliage.
- **Fusarium head blight** Optimal timing of this product for Fusarium head blight suppression is when main stem heads have fully emerged (Feekes 10.5) on 50% of the plants.

#### Precautions:

- Apply as required by scouting, usually at intervals of 5 or more days. Observe fields closely for early disease symptoms particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development. 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 5 gals. of water per acre.
- For chinch bug control, repeat applications at 3-5 day intervals if needed. Liberty Teb-Lambda EC may only suppress heavy infestations and/or migrations.
- Greenbug is known to have many biotypes. Liberty Teb-Lambda EC may provide suppression only. In this situation, a second application using an alternative chemistry may be needed.
- For optimum disease and insect control apply using 1 to 2 qts of Velomax / 100 gallons of spray solution.
- This product must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time this product will be resistant to weathering.
- This product is a combination (Group 3) fungicide, demethylation inhibitor (DMI), and (Group 3) Insecticide.

<sup>1</sup>Best control is obtained before insects begin to roll leaves. Once crop has started to boot, Liberty Teb-Lambda EC may provide suppression only. Higher specified rates and increased coverage will be

necessary.

<sup>2</sup>Suppression only.

<sup>3</sup>See **Resistance** statement under **Directions for Use**.

<sup>4</sup>Make applications when adults emerge.

**Restrictions:**

- **Restricted entry interval (REI)** = 24 hours
- **Do not** apply within 30 days of harvest.
- **Do not** allow livestock to graze in treated areas or harvest treated forage as feed for meat or dairy animals within 7 days after treatment. **Do not** feed treated straw to meat or dairy animals within 30 days after the last treatment.
- **Do not** apply more than 0.11 lb. a.i. all Tebuconazole containing products (8 Fl. Oz. of product) per acre per season.
- **Do not** apply more than 0.06 lb. a.i. of all Lambda Cyhalothrin containing products (19 fl. oz. of this product) per acre per season.
- **NOTE:** Maximum application of this product, per acre, per season, for this use is 8 fl. oz.

APPLICATION DIRECTIONS		
CROP	DISEASE / PESTS	Fl. Oz. / A
Corn (Foliar)	Rust ( <i>Puccinia</i> spp)	8 – 9.5
Field Corn	Northern leaf blight ( <i>Helminthosponum turcicum</i> )	
Popcorn	Southern leaf blight ( <i>Helminthosponum maydis</i> )	
Seed Corn	Northern leaf spot ( <i>Helminthosponum carbonum</i> )	
Sweet Corn	Gray leaf spot ( <i>Cercospora zea maydis</i> )	
	Armyworm <sup>2</sup>	
	Bean Leaf Beetle	
	Beet Armyworm <sup>4</sup>	
	Bird Cherry-Oat Aphid <sup>3</sup>	
	Cereal Leaf Beetle	
	Chinch Bug	
	Corn Earworm <sup>1</sup>	
	Corn Leaf Aphid <sup>3</sup>	
	Corn Rootworm Beetle (Adult):	
	Mexican	
	Northern	
	Southern	
	Western	
	Cutworm species	
	English Grain Aphid <sup>3</sup>	
	European Corn Borer <sup>1</sup>	
	Fall Armyworm <sup>2</sup>	
	Flea Beetle species	
	Grasshopper species	
	Greenbug <sup>3,4</sup>	
	Green Cloverworm	
	Hop Vine Borer <sup>1</sup>	
	Japanese Beetle (Adult)	
	Lesser Cornstalk Borer	

	Meadow Spittlebug Mexican Rice Borer <sup>1</sup> Rice Stalk Borer <sup>1</sup> Sap Beetle (Adult) Seedcorn Beetle Southern Corn Leaf Beetle <sup>3</sup> Southwestern Corn Borer <sup>1</sup> Stalk Borer <sup>1</sup> Stink Bug species Sugarcane Borer <sup>1</sup> Tobacco Budworm <sup>1,4</sup> Webworm species Western Bean Cutworm <sup>1</sup> Yellowstriped Armyworm <sup>2</sup>	
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**Precautions:**

- Apply as required by scouting, or locally prescribed corn growth stages, in a protective spray schedule or when weather conditions are favorable for disease development, usually at intervals of 7 to 14 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. Liberty Teb-Lambda EC 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 0.03 lb. a.i./A (9.5 fl oz/A).
- For optimum disease and insect control apply using 1 to 2 qts of Velomax / 100 gallons of spray solution.
- This product must have two to four hours of drying time on corn foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time this product will be resistant to weathering.
- This product is a combination (Group 3) fungicide, demethylation inhibitor (DMI), and (Group 3) Insecticide.

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

<sup>2</sup>Use higher specified rates for large larvae.

<sup>3</sup>Suppression only.

<sup>4</sup>See **Resistance** statement under **Directions for Use**.

**Restrictions:**

- **Restricted entry interval (REI) for sweet corn** = 19 days
- **Restricted entry interval (REI) for all corn except sweet corn** = 24 hours
- **Sweet corn: Do not** feed or allow livestock to graze in treated areas within 21 days of harvest of ears or forage and within 49 days of the harvest of fodder. **Field, seed, or popcorn: Do not** feed or allow livestock to graze in treated areas within 21 days of harvest of forage and within 36 days of the harvest of grain or fodder.
- **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. all Tebuconazole containing products (34 fl. oz. or 1.06 qts. of

product) per acre per season.

- **Do not** apply more than 0.12 lb. a.i. of all Lambda Cyhalothrin containing products (38 fl. oz. of this product) per acre per season.

- **Do not** apply more than 0.06 lb. a.i. /A after silk initiation. (Lambda Cyhalothrin)

- **Do not** apply more than 0.03 lb. a.i. /A after corn has reached the milk stage (yellow kernels with milky fluid). (Lambda Cyhalothrin)

- **NOTE:** Maximum application of this product, per acre, per season, for this use is 34 fl. oz.

APPLICATION DIRECTIONS		
CROP	DISEASE / PESTS	Fl. Oz. / A
Cotton	Southwestern cotton rust ( <i>Puccinia cacabata</i> )	12 - 13
	Bandedwing Whitefly <sup>2,3</sup>	
	Beet Army worm <sup>1,3</sup>	
	Boll Weevil	
	Brown Stink Bug	
	Cabbage Looper	
	Cotton Fleahopper	
	Cotton Leafperforator	
	Cotton Leafworm	
	Cotton Aphid <sup>2,3</sup>	
	Cotton Bollworm	
	Cutworm species	
	European Corn Borer	
	Fall Armyworm	
	Green Stink Bug	
	Lygus Bug species <sup>3</sup>	
	Pink Bollworm	
	Saltmarsh Caterpillar	
	Southern Green Stink Bug	
	Soybean Thrips	
Sweet Potato Whitefly <sup>2,3</sup>		
Tobacco Budworm <sup>3</sup>		
Tobacco Thrips		
Twospotted Spider Mite <sup>2</sup>		

**Precautions:**

- Apply as required by scouting, in a protective spray schedule or when weather conditions are favorable for rust development, usually at intervals of 7 to 14 days or as necessary to maintain control. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds.

- Apply with ground or aerial equipment using sufficient water to obtain full coverage of foliage.

- Applications may also be made with equipment adapted and calibrated for ULV sprays. Liberty Teb-Lambda EC may be mixed with once-refined vegetable oil and applied in a minimum of at least one qt. of finished spray per acre.

- Under light bollworm/budworm infestation levels, 0.02 lb. a.i.(6.5 Fl. Oz.)/A may be applied in conjunction with intense field monitoring.

- For boll weevil control, spray on a 3-5 day schedule.

- When applied according to label directions for control of cotton bollworm and tobacco budworm, Liberty Teb-Lambda EC also provides ovicidal control of unhatched Heliothine species eggs.

- For optimum disease and insect control apply using 1 to 2 qts of Velomax / 100 gallons of spray

solution.

- This product must have two to four hours of drying time on corn foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time this product will be resistant to weathering.

- This product is a combination (Group 3) fungicide, demethylation inhibitor (DMI), and (Group 3) Insecticide.

<sup>1</sup>For control of the first and second instar only.

<sup>2</sup>Suppression only.

<sup>3</sup>See **Resistance** statement under **Directions for Use**.

**Restrictions:**

- **Restricted entry interval (REI)** = 24 hours
- **Do not** apply within 30 days of harvest.
- **Do not** graze livestock in treated areas.
- **Do not** apply more than 0.5 lb. a.i. of all Tebuconazole containing products (35 fl. oz. of this product) per acre per crop season.
- **Do not** apply more than 0.2 lb. a.i. of all Lambda Cyhalothrin containing products (64 fl. oz. of this product) 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.
- **NOTE:** Maximum application of this product, per acre, per season, for this use is 35 fl. oz.

APPLICATION DIRECTIONS		
CROP	DISEASE / PESTS	Fl. Oz. / A
Soybean	Rust ( <i>Phakospora pachyrhizi</i> ) Powdery mildew ( <i>Microsphaera diffusa</i> ) Armyworm <sup>1</sup> Bean Leaf Beetle Beet Armyworm <sup>2,3</sup> Blister Beetle species Cabbage Looper Corn Earworm Corn Rootworm Beetle (Adult): Mexican Northern Southern Western Cutworm species European Corn Borer Fall Armyworm <sup>1</sup> Green Cloverworm Grasshopper species Japanese Beetle (Adult) Lesser Cornstalk Borer <sup>2</sup> Mexican Bean Beetle Plant Bug species Painted Lady (Thistle) Caterpillar Potato Leafhopper Saltmarsh Caterpillar	8

	Silverspotted Skipper Soybean Aphids <sup>4</sup> Soybean Looper <sup>2,3</sup> Spider Mite species <sup>2</sup> Stink Bug species Threecornered Alfalfa Hopper Thrips species <sup>5</sup> Tobacco Budworm <sup>3</sup> Velvetbean Caterpillar Woollybear Caterpillar Webworm species Yellowstriped Armyworm <sup>1</sup>	
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**Precautions:**

- Apply as required by scouting, as a broadcast foliar spray as a preventative spray or at first visible symptoms of disease and insect populations reaching locally determined economic thresholds. Repeat applications on a 10 to 14 day spray interval if environmental conditions are favorable for continued disease or insect development. Use the higher specified rates and shorter spray intervals when disease pressure or insect populations are severe.
- Apply with ground or aerial equipment using sufficient water to obtain full coverage of foliage. in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons per acre by aircraft spray equipment.
- For control of adult corn rootworm beetles (*Diabrotica* species) as part of an aerial-applied corn rootworm control program use a minimum of 0.02 lb. a.i (6.5 Fl. Oz. of this product)/A per season. (Lambda Cyhalothrin)
- For optimum disease and insect control apply using 1 to 2 qts of Velomax / 100 gallons of spray solution.
- This product is a combination (Group 3) fungicide, demethylation inhibitor (DMI), and (Group 3) Insecticide.
- <sup>1</sup>Use higher specified rates for large larvae.
- <sup>2</sup>Suppression only.
- <sup>3</sup>See **Resistance** statement under **Directions for Use**.
- <sup>4</sup>Use lower rates for early season applications and/or lighter populations.
- <sup>5</sup>Does not include Western Flower Thrips.

**Restrictions:**

- The lowest labeled rate of spray surfactant must be tank mixed with this product.
- **Do not** apply more than 3 applications per season.
- **Do not** graze or harvest treated soybean forage, straw, or hay for livestock feed.
- **Restricted entry interval (REI)** = 24 hours
- **Do not** apply within 30 days of harvest.
- **Do not** apply more than 0.25 lb. a.i. of all Tebuconazole containing products (17 fl. oz. of this product) per acre per crop season.
- **Do not** apply more than 0.06 lb. a.i. of all Lambda Cyhalothrin containing products (19 fl. oz. of this product) per acre per season.
- **NOTE:** Maximum application of this product, per acre, per season, for this use is 17 fl. oz.



APPLICATION DIRECTIONS		
CROP	DISEASE / PESTS	Fl. Oz. / A
Sunflower	Rust ( <i>Puccinia helianthi</i> ) Cutworm species Sunflower Beetle Banded Sunflower Moth Beet Armyworm <sup>2,3</sup> Fall Army worm <sup>1</sup> Grasshopper species Head-Clipper Weevil (Adult) Japanese Beetle (Adult) Leaf hopper species Meadow Spittlebug Painted Lady (Thistle) Caterpillar Seed Weevil (Adult) Spider Mite species <sup>2</sup> Spotted Cabbage Looper Stem Weevil (Adult) Stink Bug species Sunflower Maggot (Adult) Sunflower Moth Woollybear Caterpillar	8 - 12

**Precautions:**

- Apply as required by scouting, apply specified dosage of this product at the earliest sign of infection (rust pustules developing) or when weather conditions are favorable for rust development and insect populations reaching locally determined economic thresholds.
- Apply higher specified rate to highly susceptible varieties and/or under severe disease or insect populations.
- Application may be repeated at 14 days if necessary to maintain control of the disease.
- Apply specified dosage in a minimum of 10 gallons of spray solution per acre by ground or a minimum of 5 gallons of spray solution by air.
- For optimum disease and insect control apply using 1 to 2 qts of Velomax / 100 gallons of spray solution.
- This product must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time this product will be resistant to weathering.
- This product is a combination (Group 3) fungicide, demethylation inhibitor (DMI), and (Group 3) Insecticide.
- <sup>1</sup>Use higher specified rates for large larvae.
- <sup>2</sup>Suppression only.
- <sup>3</sup>See **Resistance** statement under **Directions for Use**.

**Restrictions:**

- **Restricted entry interval (REI)** = 24 hours
- **Do not** apply within 50 days of harvest.
- **Do not** apply more than 0.45 lb. a.i. of all Tebuconazole containing products (32 fl. oz. of this product) per acre per crop season.
- **Do not** apply more than 0.12 lb. a.i. of all Lambda Cyhalothrin containing products (38 fl. oz. of this product) per acre per season.
- **Do not** apply more than 0.09 lb. a.i. of all Lambda Cyhalothrin containing products (30 fl. oz. of this product) per acre per season after bloom initiation.
- **Do not** apply as an ultra-low volume (ULV) spray.
- **NOTE:** Maximum application of this product, per acre, per season, for this use is 32 fl. oz.

## **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 Handling**

**NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS):** Do not reuse or refill this container. Triple rinse container (or equivalent) 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  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS):** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 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 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**REFILLABLE CONTAINER:** Refill this container with pesticide 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.

REFILL ONLY WITH LIBERTY LAMBDA-CY 1 EC. The contents of RETURNABLE CONTAINERS cannot be completely removed by cleaning. Refilling with materials other than Liberty Teb-Lambda EC will result in contamination and may weaken container. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

**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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of LIBERTY CROP PROTECTION LLC 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 LIBERTY CROP PROTECTION LLC and Seller harmless for any claims relating to such factors.

LIBERTY CROP PROTECTION 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 this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or LIBERTY CROP PROTECTION LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LIBERTY CROP PROTECTION LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither LIBERTY CROP PROTECTION LLC nor Seller shall 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 LIBERTY CROP PROTECTION 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 LIBERTY CROP PROTECTION, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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