



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 14, 2015

Ms. Amy J. McCaskill  
Federal Registrations Manager  
Bayer CropScience  
P.O. Box 12014  
2 TW Alexander Drive  
Research Triangle Park, NC 27709

Subject: Label Amendment – Decrease the minimum aerial volume from 25 GPA to 10 GPA for Tree and Vine Crops (except Citrus) and Reducing the Number of Synthetic Pyrethroid Applications  
Product Name: Leverage 360  
EPA Registration Number: 264-1104  
Application Date: December 2, 2014  
Decision Number: 498960

Dear Ms. McCaskill:

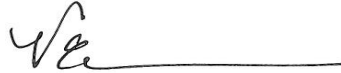
The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Melody Banks by phone at 703 305 5413, or via email at [Banks.Melody@epa.gov](mailto:Banks.Melody@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'VE', followed by a horizontal line extending to the right.

Venus Eagle, Product Manager 01  
Invertebrate & Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure: Copy of Stamped Accepted Label

# 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.

GROUP	3	4A	INSECTICIDE
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## LEVERAGE<sup>®</sup> 360 Insecticide

For protection of listed crops from certain insects and promoting enhanced plant health and yield.

### ACTIVE INGREDIENT:

Imidacloprid*	21.0%
β-cyfluthrin**	10.5%
OTHER INGREDIENTS:	68.5%
TOTAL:	100.0%

Contains 2 lbs imidacloprid per gallon plus 1 lb β-cyfluthrin per gallon

\* CAS# - 138261-41-3

\*\* CAS# - 68359-37-5

EPA Reg. No. 264-1104

EPA Est.

**STOP-READ THE LABEL BEFORE USE**  
**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

### FIRST AID

IF ON SKIN OR CLOTHING:	<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>
IF IN EYES:	<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.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
IF SWALLOWED:	<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 a poison control center or doctor.</li><li>Do not give anything by mouth to an unconscious person.</li></ul>
<p>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.</p>	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove contaminated clothing and wash before reuse.

**ACCEPTED**

01/14/2015

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 264-1104

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

### Applicators and Other Handlers Must Wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinylchloride (PVC) or viton.
- Shoes plus socks

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.

## Engineering control statement

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

### User 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 invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging in the treatment area. Additional information may be obtained by consulting your Cooperative Extension Service.

This product is highly toxic to aquatic invertebrates.

Imidacloprid demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## PROTECTION OF POLLINATORS



**APPLICATION RESTRICTIONS** EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.



Look for the bee hazard icon in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

**This product can kill bees and other insect pollinators.**

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at:

<http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: [www.aapco.org/officials.html](http://www.aapco.org/officials.html).

Pesticide incidents should also be reported to the National Pesticide Information Center at:

[www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at: [beekill@epa.gov](mailto:beekill@epa.gov)

## DIRECTIONS FOR USE

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

See individual crops for specific pollinator protection application restrictions. If none exist under the specific crop, for foliar applications, follow these application directions for crops that are contracted to have pollinator services or for food/feed & commercially grown ornamentals that are attractive to pollinators:

### FOR CROPS UNDER CONTRACTED POLLINATION SERVICES



Do not apply this product while bees are foraging. Do not apply this product until flowering is complete and all petals have fallen unless the following condition has been met.

If an application must be made when managed bees are at the treatment site, the beekeeper providing the pollination services must be notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.

### FOR FOOD CROPS AND COMMERCIALY GROWN ORNAMENTALS NOT UNDER CONTRACT FOR POLLINATION SERVICES BUT ARE ATTRACTIVE TO POLLINATORS



Do not apply this product while bees are foraging. Do not apply this product until flowering is complete and all petals have fallen unless one of the following conditions is met:

- The application is made to the target site after sunset
- The application is made to the target site when temperatures are below 55°F
- The application is made in accordance with a government-initiated public health response
- The application is made in accordance with an active state-administered apiary registry program where beekeepers are notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying
- The application is made due to an imminent threat of significant crop loss, and a documented determination consistent with an IPM plan or predetermined economic threshold is met. Every effort should be made to notify beekeepers no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.

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

### AGRICULTURAL USE REQUIREMENTS

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

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

For entry into 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, wear:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks

## Resistance Management Recommendations

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area.

LEVERAGE 360 Insecticide contains both Group 3 and Group 4A insecticides. Insect biotypes with acquired or inherent tolerance to these types of products may eventually dominate the insect population if Group 3 and/or Group 4A products are used repeatedly as the predominate method of control for targeted species. This may eventually result in partial or total loss of control of those species by LEVERAGE 360 Insecticide and/ or other Group 3 and 4A products.

One of the active ingredients in LEVERAGE 360 Insecticide is a member of the neonicotinoid chemical class. Avoid using a block of more than three consecutive applications of LEVERAGE 360 Insecticide and/or other Group 4A products having the same or similar mode of action.

Following a neonicotinoid block of treatments, Bayer CropScience strongly encourages the rotation to a block of applications with effective products of a different mode before using additional applications of neonicotinoid products. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect pest's ability to develop resistance to this class of chemistry.

Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://irac-online.org/>.

## ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on an imidacloprid label. There are no rotational crop restrictions based on  $\beta$ -cyfluthrin.

ROTATIONAL PLANT-BACK INTERVALS*
<b>IMMEDIATE PLANT-BACK</b> All crops on this label plus the following crops not on this label: barley, canola, Christmas trees, corn (field, sweet and pop), cranberry, Globe artichoke, mustard seed, rapeseed, strawberry, sorghum, sugarbeet, sunflower, tobacco, watercress, wheat and all crops from the following Crop Groups as recognized and defined by EPA. Crops contained within a particular crop group are subject to change. For information, related to specific crops please contact your Bayer CropScience representative.  BULB VEGETABLES - Crops of Crop Group 03-07 LEAFY PETIOLE VEGETABLES – Crops of Crop Subgroup 4B LEGUME VEGETABLES – Crops of Crop Group 6 including: Edible Podded plus Succulent Shelled, Peas and Beans CUCURBIT VEGETABLES – Crops of Crop Group 9 BUSHBERRY and CANEBERRY – Crops of Crop Group 13 HERBS – Crops of Crop Subgroup 19A ROOT VEGETABLES – Crops of Crop Subgroup 1B TROPICAL FRUIT – Including: Acerola, Atemoya, Avocado, Birida, Black sapote, Canistel, Cherimoya, Custard apple, Feijoa, Llama, Jaboticaba, Guava, Longan, Lychee, Mamey sapote, Mango, Papaya, Passionfruit, Persimmon, Pulasan, Rambutan, Sapodilla, Soursop, Spanish lime, Star apple, Starfruit, Sugar apple, Wax jambu
<b>30-DAY PLANT-BACK</b> Cereals (including buckwheat, millet, oats, rice, rye, and triticale), safflower
<b>12-MONTH PLANT-BACK</b> All other crops
*Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed.

## FOLIAR APPLICATIONS

Apply using properly calibrated ground sprayers, fixed- or rotary-winged aircraft or through properly designed, sprinkler-type, chemigation equipment. Thorough and uniform coverage of plants, is required for pest control. Use of spray nozzles that provide medium-sized droplets are encouraged to reduce drift potential. For all aphids, apply as pest population begins to build and prior to build up of damaging levels. See general, spray drift reduction management, section below for application guidelines on all application methods.

**Ground equipment applications** must be made in a minimum of 10 gallons/A. A non-ionic surfactant (NIS) is specified for this use. See Adjuvant section below.

**Aerial applications** must be made in a minimum of 2 gallons/A. A crop-oil-concentrate (COC) is specified for this use. See Adjuvant section below.

**Chemigation applications** must be made as concentrated as possible. For best results apply at 100% input for center pivots or 0.10 inch (2,716 gallons) up to 0.15 inch (4,073 gallons) of water/A for other systems. See additional directions and precautions given below. Use only the highest labeled rate for chemigation applications.

**Restrictions**

LEVERAGE 360 Insecticide contains 2 (two) active ingredients: imidacloprid and  $\beta$ -cyfluthrin.

Do not apply more than 0.5 lb imidacloprid per acre, per year regardless of formulation or method of application, unless specified within a crop-specific section for a given crop.

Do not apply more than the maximum seasonal total for cyfluthrin or  $\beta$ -cyfluthrin when each product is used alone or as a component of LEVERAGE 360, and do not apply more than the combined maximum seasonal total for both cyfluthrin or  $\beta$ -cyfluthrin active ingredients as outlined in the crop specific sections of this label.

**Tank-mixtures:** LEVERAGE 360 Insecticide may be combined with foliar-applied fungicides, herbicides and insecticides/miticides. Other pesticides and fertilizers approved for use in a crop may be used in mixtures with LEVERAGE 360 Insecticide provided they have been tested and shown to be compatible.

**Adjuvants:** The use of an adjuvant with LEVERAGE 360 Insecticide may improve deposition, coverage and pest control.

- A high quality, non-ionic surfactant (NIS) is specified for ground applications.
- A crop-oil-concentrate (COC) is specified for aerial applications.
- All adjuvants regardless of their composition must be used according to the adjuvants manufacturer's use directions.
- Do not use petroleum-based and other non-emulsifiable oils with LEVERAGE 360 Insecticide.

**Mixing order:** When pesticide or fertilizer mixtures are needed, add products in the following order:

- Products packaged in PVA;
- Wettable powders or wettable granules;
- LEVERAGE 360 Insecticide, or other flowable type products;
- Emulsifiable concentrates;
- Fertilizer or micro-nutrient solutions

Ensure good agitation as each component is added. Do not add an additional component until the previous is thoroughly mixed. If a fertilizer or micro-nutrient solution is used, a fertilizer/pesticide compatibility agent may be needed.

Maintain constant agitation during both mixing and application to ensure uniformity of spray mixture.

**Compatibility (jar test):** Test components of an intended tank mixture before adding LEVERAGE 360 Insecticide to the spray or mix tank. Add proportionate amounts of each ingredient in the appropriate order, to a pint or quart jar, cap, shake for 5 minutes, and let set for 5 minutes. Poor mixing or formation of precipitates that do not readily re-disperse indicates an incompatible mixture that should not be used. For further information, contact your local Bayer CropScience representative.

For all insects, base the timing of application on careful scouting and local economic thresholds.

**SPECIFIC GUIDELINES FOR USE IN CHEMIGATION SYSTEMS**

Types of Irrigation Systems: Apply LEVERAGE 360 Insecticide only through sprinkler type irrigation systems. These types include; center pivot, lateral move, or solid set irrigation systems. Do not apply LEVERAGE 360 Insecticide through any other type of irrigation system.

**Injection for Chemigation:** Inject the specified dosage of LEVERAGE 360 Insecticide into the irrigation main, water stream: (1) through a constant flow, metering device; (2) into the center of the main line flow via a pitot tube or equivalent; (3) at a point ahead of at least one, right-angle turn in main stream flow such that thorough mixing with the irrigation water is ensured.

**Uniform Water Distribution and System Calibration:** The irrigation system must provide uniform distribution of LEVERAGE 360 Insecticide treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in or on the crop can result from non-uniform distribution. The system must be calibrated to uniformly distribute the rates specified for chemigation application to specific crops. If you have questions about calibration, contact your State Extension Service, equipment manufacturers, or other experts.

**Chemigation Monitoring:** 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.

**Required Injection and Sprinkler System Safety Devices:** 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. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor/engine stops or in cases where there is no water pump, when water pressure decreases to the point where pesticide distribution is adversely affected. Injection systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

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



**Using Water from Public Water Systems:** 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. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional automatic quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must contain a functional normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

**Chemical Supply Tank Dilution and Agitation:** For injection of LEVERAGE 360 Insecticide use a chemical supply tank for pre-mixing LEVERAGE 360 Insecticide with water before injecting mixture into the irrigation line. Dilution ratio should be at least 4 parts water to 1 part LEVERAGE 360 Insecticide. Constant mechanical or hydraulic agitation must be maintained in the chemical supply tank during the entire period of application.

Determine the required amounts of LEVERAGE 360 Insecticide and water to mix in the tank. The amount of LEVERAGE 360 Insecticide needed equals the number of fluid ounces of LEVERAGE 360 Insecticide to be applied per acre multiplied by the number of acres to be chemigated. The amount of emulsion needed equals the gallons of emulsion delivered per hour by the injection pump, multiplied by the number of hours chemigation will take place. The amount of water needed equals the amount of emulsion needed minus the amount of LEVERAGE 360 Insecticide needed.

**Cleaning the Chemical Injection System:** In order to apply pesticides accurately, the chemical injection system must be kept clean; free from chemical or fertilizer residues and sediments. Refer to your owner's manual or ask your equipment supplier for the cleaning procedure for your injection system.

**Flushing the Irrigation System:** At the end of the application period, allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

**Center-Pivot and Automatic-Move Linear Systems:** Inject the specified dosage per acre continuously for one complete revolution or move of the system. The system should be run at maximum speed. Nozzles in the immediate area of control panels, chemical supply tanks, pumps and system safety devices should be plugged to prevent chemical contamination of these areas.

**Solid Set and Manually Controlled Linear Systems:** Injection should be during the last 30 to 60 minutes of a regular irrigation period or as a separate 30 to 60 minute application not associated with a regular irrigation.

**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.**

#### **Spray Drift Reduction Management**

The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator. Use the following as a guide for reducing drift onto non-target sites.

#### **Buffer Zone Requirements:**

**Ground, Foliar Applications:** Do not apply by ground within 25 feet of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds.

**Aerial Applications:** Do not apply by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds. Mount the spray boom on the aircraft so as to minimize drift caused by wing tip or rotor vortices. The boom length must not exceed 75% of the wing span or rotor diameter.

**Importance of Droplet Size:** An important factor influencing drift is droplet size. Small droplets (<150 to 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. 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 possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

**Wind Speed Restrictions:** Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Avoiding applications when wind direction is toward the aquatic area can reduce risk of exposure to sensitive aquatic areas.

**Restrictions During Temperature Inversions:** Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog. However, if fog is not present, the movement of smoke from a ground source can also identify inversions. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

**Runoff Management:** Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Soil Conservation Service for recommendations in your use area. Do not apply if soil is saturated with water. Do not apply under conditions that favor drift from runoff. Do not apply in the rain.

**FIELD CROPS**  
**Applications for LEVERAGE 360 Insecticide**

Apply specified rate per acre as a broadcast or directed foliar spray to an infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve pest control. A spray adjuvant may be used to improve coverage. LEVERAGE 360 Insecticide may be tank mixed with other insecticides for improved control of other pests.

<b>COTTON</b>	
Pests Controlled	Product Rate fluid ounces/Acre
Cabbage looper Cotton aphid Cotton leafworm Cotton leaf perforator Cutworms European corn borer Flea beetle Fleahopper Garden webworm Pink bollworm Saltmarsh caterpillar Southern garden leafhopper Thrips (foliage feeding thrips only)	2.8* – 3.2
Armyworms (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Boll weevil Cotton bollworm (for ovicidal effects, use high rate) Grasshopper Tarnished plant bug Stink bugs Whitefly (other than sweetpotato whitefly)	3.2
Pest(s) Suppressed	Product Rate fluid ounces/Acre
Lygus bug Sweetpotato whitefly	3.0 – 3.2

**RESTRICTIONS**  
 Pre-Harvest Interval (PHI): **14 days.**  
 Minimum interval between applications: **7 days**  
 Maximum LEVERAGE 360 Insecticide allowed per year: **19.8 fluid ounces/A** (0.155 lb A/A β-cyfluthrin, 0.31 lb A/A imidacloprid)  
 Maximum β-cyfluthrin allowed in all forms per crop season: 0.25 lb A/A  
 Maximum cyfluthrin allowed in all forms per crop season: 0.50 lb A/A  
 Maximum β-cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.50 lb A/A  
 Do not graze treated fields after application of LEVERAGE 360 Insecticide.  
 Do not make more than a total of **6** synthetic pyrethroid applications (one, or combination of products) to a cotton crop in one season.

**ADDITIONAL USE DIRECTIONS**  
 LEVERAGE 360 Insecticide is to be applied through properly calibrated ground, aerial or chemigation application equipment.  
 \* Rate specified for ground sprayer application only. For aerial or chemigation applications, use the highest rate listed.

<b>PEANUT</b>	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Aphids Armyworm (1st and 2nd instar) Bean leaf beetle Corn earworm Cutworms Grasshoppers Green cloverworm Leafhoppers Rednecked peanutworm Stink bugs Threecornered alfalfa hopper Velvetbean caterpillar Whiteflies	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>14 days</b> (minimum time between final application and threshing for seed). Minimum interval between applications: <b>10 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>8.3 fluid ounces/A</b> (0.065 lb AI/A $\beta$ -cyfluthrin, 0.13 lb AI/A imidacloprid). Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.065 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.131 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.131 lb AI/A	

<b>POTATO</b>	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Aphid <sup>1/</sup> Cabbage looper Colorado potato beetle Cutworm European corn borer Flea beetle Potato leafhopper Potato psyllid Potato tuberworm Tarnished plant bug	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>7 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>12.8 fluid ounces/A</b> (0.1 lb AI/A $\beta$ -cyfluthrin, 0.2 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.132 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.263 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.263 lb AI/A <b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated ground, aerial or chemigation application equipment. <sup>1/</sup> For all aphids, apply as pest population begins to build and prior to buildup of damaging levels. For aphid control in crop with dense canopy use ground application equipment which will provide thorough coverage of lower leaves.	

<b>SOYBEAN</b>	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Leafhoppers	2.4 – 2.8
Armyworms (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Aphids Bean leaf beetle Bean leaf webber Cabbage looper Corn rootworms (adult) Cucumber beetles (adult) Cutworms Grasshoppers Green cloverworm Japanese beetle (adult) June beetle (adult) Mexican bean beetle Saltmarsh caterpillar Silverspotted skipper Soybean podworm / Corn earworm Stink bugs Tarnished plant bug Threecornered alfalfa hopper Thrips (foliage feeding thrips only) Velvetbean caterpillar Whiteflies (other than sweetpotato whitefly)	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI) for seed: <b>21 days</b> . Dry vines (hay) and green forage may be fed <b>15 days</b> after last application Minimum interval between applications: <b>7 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>9.0 fluid ounces/Acre</b> (0.07 lb AI/A β-cyfluthrin, 0.14 lb AI/A imidacloprid) Maximum β-cyfluthrin allowed in all forms per crop season: 0.088 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.175 lb AI/A Maximum β-cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.175 lb AI/A <b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated ground, aerial or chemigation application equipment.	

**VEGETABLE CROPS**

**Applications for LEVERAGE 360 Insecticide**

Apply specified rate per acre as a broadcast or directed foliar spray to an infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve pest control. A spray adjuvant may be used to improve coverage. LEVERAGE 360 Insecticide may be tank mixed with other insecticides for improved control of other pests.

**BRASSICA LEAFY VEGETABLES <sup>1/</sup>**

**Crops of Crop Group 5, plus Turnip greens, including:** Broccoli, Broccoli raab (*rapini*), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (*gai lon*), Chinese cabbage (*bok choy*), Chinese cabbage (*napa*), Chinese mustard cabbage (*gai choy*), Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens.

Pests Controlled	Product Rate fluid ounces/Acre
Alfalfa looper Armyworms (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Aphids Cabbage looper Cabbage webworm Corn earworm Cutworms Flea beetles Grasshopper Imported cabbageworm Leafhoppers Meadow spittlebug Southern cabbageworm Stink bugs Tarnished plant bug Thrips (except <i>Thrips palmi</i> and <i>Scirtothrips dorsalis</i> ) (Controls foliage feeding thrips only) Vegetable weevil (adult)	3.0
Pest(s) Suppressed	Product Rate fluid ounces/Acre
Chilli thrips (foliage feeding thrips only) <i>Thrips palmi</i> (foliage feeding thrips only) Whitefly (including sweetpotato whitefly)	3.0

**RESTRICTIONS**

Pre-Harvest Interval (PHI): **7 days**

Minimum interval between applications: **7 days**

Maximum LEVERAGE 360 Insecticide allowed per crop season: **12.8 fluid ounces/Acre** (0.1 lb AI/A  $\beta$ -cyfluthrin, 0.2 lb AI/A imidacloprid)

Maximum  $\beta$ -cyfluthrin allowed in all forms per crop season: 0.1 lb AI/A

Maximum cyfluthrin allowed in all forms per crop season: 0.2 lb AI/A

Maximum  $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.2 lb AI/A

For aerial applications, apply in a minimum of 5 GPA.

<sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.

<b>LEAFY GREENS <sup>1/</sup></b>	
<b>Crops of Crop Subgroup 4A Including:</b> Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (Roquette), Chervil, Chrysanthemum (edible leaved and garland), Corn salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Spinach [including New Zealand and vine (Malabar spinach, Indian spinach)]	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Alfalfa looper Armyworms (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Aphids Cabbage looper Corn earworm Cutworms European corn borer Flea beetles Grasshoppers Green cloverworm Imported cabbageworm Leafhoppers Saltmarsh caterpillar Stink bugs Thrips (except <i>Thrips palmi</i> and <i>Scirtothrips dorsalis</i> ) (Controls foliage feeding thrips only) Vegetable weevil (adult)	3.0
<b>Pest(s) Suppressed</b>	<b>Product Rate fluid ounces/Acre</b>
Chilli thrips (foliage feeding thrips only) <i>Thrips palmi</i> (foliage feeding thrips only) Whitefly (including sweetpotato whitefly)	3.0
<b>RESTRICTIONS</b>	
Pre-Harvest Interval (PHI): <b>7 days</b>	
Minimum interval between applications: <b>7 days</b>	
Maximum LEVERAGE 360 Insecticide allowed per crop season: <b>12.8 fluid ounces/Acre</b> (0.1 lb AI/A $\beta$ -cyfluthrin, 0.2 lb AI/A imidacloprid)	
Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.1 lb AI/A	
Maximum cyfluthrin allowed in all forms per crop season: 0.2 lb AI/A	
Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.2 lb AI/A	
For aerial applications, apply in a minimum of 5 GPA.	
<sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	

<b>FRUITING VEGETABLES <sup>1/</sup></b>	
<b>Crops of Crop Group 8, including:</b> Eggplant, Ground cherry, Pepper, ( <i>Capsicum</i> spp., including Bell, Chili, Cooking, Pimento and Sweet) Tomato, Pepinos, Tomatillo	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Aphids Beet armyworm (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Cabbage looper Colorado potato beetle European corn borer Leafhoppers Southern armyworm (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Stink bugs Tarnished plant bug Thrips (except <i>Thrips palmi</i> . Controls foliage feeding thrips only) Tomato fruitworm Tomato hornworm Tomato pinworm Variegated cutworm Western yellowstriped armyworm (1 <sup>st</sup> and 2 <sup>nd</sup> instars)	3.8 – 4.1
Flea beetles Garden symphylan Whitefly (including sweetpotato whitefly)	4.1
<b>Pest(s) Suppressed</b>	<b>Product Rate fluid ounces/Acre</b>
Dipterous leafminer Pepper weevil <i>Thrips palmi</i> (foliage feeding thrips only)	4.1
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI) for tomato: <b>0 day</b> . PHI for all other fruiting vegetables included in this section: <b>7 days</b> . Minimum interval between applications: <b>7 days</b> Maximum LEVERAGE 360 Insecticide allowed per crop season: <b>15.4 fluid ounces/Acre</b> (0.12 lb AI/A β-cyfluthrin, 0.24 lb AI/A imidacloprid) Maximum β-cyfluthrin allowed in all forms per crop season: 0.132 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.263 lb AI/A Maximum β-cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.263 lb AI/A <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	
<b>ADDITIONAL USE DIRECTIONS</b> For pepper weevil, apply LEVERAGE 360 Insecticide by ground equipment only, timing applications prior to damaging population becoming established. Good coverage of foliage and fruit is necessary for pest control. Incorporate applications of LEVERAGE 360 Insecticide into a full-season program, where alternations of effective products from multiple classes of chemistry and different modes of action are utilized in a blocked or windowed approach. For reduction of damage caused by garden symphylan, apply LEVERAGE 360 Insecticide to the entire top of the planting beds prior to transplanting. Thoroughly incorporate to a depth of approximately 4 to 6 inches. A maximum of 1 pre-transplant application is allowed per crop season.	

<b>PEA and BEAN, DRIED SHELLLED (except Soybean) <sup>1/</sup></b>	
<b>Crops of Crop Group 6C (except Soybean, dry) Including:</b> <b>Dried cultivars of bean</b> (any <i>Lupinus</i> spp., includes grain lupin, sweet lupin, white lupin, and white sweet lupin). <b>Dried cultivars of bean</b> (any <i>Phaseolus</i> spp., includes field bean, kidney bean, dry lima bean, navy bean, pinto bean, tepary bean). <b>Dried cultivars of bean</b> (any <i>Vigna</i> spp., includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, Urd bean). <b>Dried cultivars of pea</b> (any <i>Pisum</i> spp., includes dwarf pea, English pea, field pea, garden pea, green pea). <b>Other Beans and Peas</b> , includes broad bean (dry), chickpea (dry), guar (dry), lablab bean (dry), lentil (dry), pigeon pea (dry).	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Alfalfa looper Armyworms (1 <sup>st</sup> and 2 <sup>nd</sup> instars) Aphids Bean leaf beetle Cabbage looper Corn earworm Cowpea curculio Cucumber beetle Cutworms European corn borer Flea beetles Grasshoppers Green cloverworm Japanese beetle Leafhoppers Mexican bean beetle Pea leaf beetle Pea weevil Saltmarsh caterpillar Tarnished plant bug Velvetbean caterpillar Webworm Woollybear caterpillar	2.4 – 2.8
<b>Pest(s) Suppressed</b>	<b>Product Rate fluid ounces/Acre</b>
Stink bugs Whitefly (including sweetpotato whitefly)	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>14 days</b> Maximum LEVERAGE 360 Insecticide allowed per crop season: <b>6.4 fluid ounces/Acre</b> (0.05 lb AI/A β-cyfluthrin, 0.10 lb AI/A imidacloprid) Maximum β-cyfluthrin allowed in all forms per crop season: 0.05 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.10 lb AI/A Maximum β-cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.10 lb AI/A Do not feed treated vines or hay to livestock. <b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated ground, aerial or chemigation application equipment. <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	



<b>Carrot and Radish <sup>1/</sup></b>	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Aphids Cabbage looper Carrot weevil Cutworms European corn borer Flea beetles Leafhoppers Tarnished plant bug	2.4 – 2.8
<b>Pest(s) Suppressed</b>	<b>Product Rate fluid ounces/Acre</b>
Chilli thrips (foliage feeding thrips only) <i>Thrips palmi</i> (foliage feeding thrips only) Stink bugs Whitefly (including sweetpotato whitefly)	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>7 days</b> Maximum LEVERAGE 360 Insecticide allowed per crop season: <b>2.8 fluid ounces/Acre</b> (0.022 lb AI/A $\beta$ -cyfluthrin, 0.044 lb AI/A imidacloprid) on Radish; <b>8.3 fluid ounces/Acre</b> (0.065 lb AI/A $\beta$ -cyfluthrin, 0.130 lb AI/A imidacloprid) on Carrot. Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.11 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.22 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.22 lb AI/A Do not harvest radish tops (leaves) for human consumption. <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	

<b>TUBEROUS and CORM VEGETABLE <sup>1/</sup></b>	
<b>Crops of Crop Subgroup 1D Including:</b> Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Canna (edible), Cassava (bitter and sweet), Chayote (root), Chufa, Dasheen (taro), Ginger, Leren, Sweet potato, Tanier, Turmeric, Yam bean, Yam (true) <b>(For applications on Potato see Field Crops section)</b>	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Aphids Cabbage looper Carrot weevil Cutworms European corn borer Flea beetles Leafhoppers Sweet potato weevil Tarnished plant bug	2.4 – 2.8
<b>Pest(s) Suppressed</b>	<b>Product Rate fluid ounces/Acre</b>
Chilli thrips (foliage feeding thrips only) <i>Thrips palmi</i> (foliage feeding thrips only) Stink bugs Whitefly (including sweetpotato whitefly)	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>5 days</b> Maximum LEVERAGE 360 Insecticide allowed per crop season: <b>8.3 fluid ounces/Acre</b> (0.065 lb AI/A $\beta$ -cyfluthrin, 0.13 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.132 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.263 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.263 lb AI/A  <b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated ground, aerial or chemigation application equipment. <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	

**TREE and VINE CROPS**  
**Applications for LEVERAGE 360 Insecticide**

Apply specified rate per acre as a broadcast or directed foliar spray to an infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve pest control. A spray adjuvant may be used to improve coverage. LEVERAGE 360 Insecticide may be tank mixed with other insecticides for improved control of other pests.

Application rates within this label are based on full-size mature trees and vines. Use higher listed rates for moderate to heavy insect pressure. Lower rates are generally adequate for smaller trees/vines or low to moderate insect pressure but require careful scouting and may require more frequent application.

**CITRUS (California and Arizona, Only)**

**Crops of Crop Group 10 Including:** Calamondin, Citrus citron, Citrus hybrids (*Citrus* spp., includes chironja, tangelo and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (sweet and sour), Pummelo, Satsuma mandarin, and other cultivars and/or hybrids of these

Pests Controlled	Product Rate fluid ounces/Acre
Leafhoppers/Sharpshooters (including Glassy-winged sharpshooter)	2.4 – 3.2
Foliar feeding cutworms Fuller rose beetle (larvae and adults on foliage) Grasshoppers Root-weevil complex (larvae and adults on foliage)	3.2 – 6.4
Aphids Asian citrus psyllid Blackfly Katydid Leafminers Mealybugs Scales Whiteflies	6.4
Pest(s) Suppressed	Product Rate fluid ounces/Acre
Thrips (foliage feeding thrips only)	6.4

**RESTRICTIONS**

Pre-Harvest Interval (PHI): **0 day**  
 Minimum interval between applications: **10 days**  
 Maximum LEVERAGE 360 Insecticide allowed per year: **6.4 fluid ounces/Acre** (0.05 lb AI/A  $\beta$ -cyfluthrin, 0.10 lb AI/A imidacloprid)  
 Maximum  $\beta$ -cyfluthrin allowed in all forms per crop season: 0.05 lb AI/A  
 Maximum cyfluthrin allowed in all forms per crop season: 0.10 lb AI/A  
 Maximum  $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.10 lb AI/A  
 Do not apply during bloom or within 10 days prior to bloom or when bees are foraging.  
 LEVERAGE 360 Insecticide is to be applied through properly calibrated ground or aerial application equipment.  
 Minimum application volume (water): 25 GPA – ground, 25 GPA – aerial application.

**ADDITIONAL USE DIRECTIONS**

Time applications for control of scale according to crawler stage. Two applications may be required to achieve control.

<b>GRAPE</b>	
<b>Includes:</b> Table grape, Raisin, Wine and Muscadine grape	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Grape leaf skeletonizer Leafhoppers/Sharpshooters (including Glassy-winged sharpshooter) Western grape leaf skeletonizer	2.4 – 3.2
Climbing cutworm Grape berry moth Grape bud beetle Grape cane gallmaker (adult) Grape flea beetle Grape leaf folder Grape leafroller Mealybugs (crawlers) Omnivorous leafroller Orange tortrix Thrips (foliage feeding thrips only)	3.2 – 6.4
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>3 days</b> Minimum interval between applications: <b>14 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>6.4 fluid ounces/Acre</b> (0.05 lb AI/A $\beta$ -cyfluthrin, 0.10 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.1 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.2 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.2 lb AI/A Minimum application volume (water): 25 GPA – ground, <b>10</b> GPA – aerial application. <b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated application equipment.	

<b>HOPS</b>	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Hop aphid Hop flea beetle Hop looper Hop plant bug	3.2
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>28 days</b> Minimum interval between applications: <b>21 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>16 fluid ounces/Acre</b> (0.125 lb AI/A $\beta$ -cyfluthrin, 0.25 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.125 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.250 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.250 lb AI/A <b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated ground or aerial application equipment.	

<b>POME FRUIT</b>	
<b>Crops of Crop Group 11 Including:</b> Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental pear, Quince	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Aphids (except woolly apple aphid) Apple leafroller Apple maggot Codling moth Ermine moth European apple sawfly Green fruitworm Leafhoppers/Sharpshooters (including Glassy-winged sharpshooter) Lesser appleworm Obliquebanded leafroller Oriental fruit moth Pandemis leafroller Pear sawfly (larvae = pear slug) Periodical cicada Plant bugs Plum curculio Redbanded leafroller San Jose scale (crawlers) Spotted tentiform leafminer Stink bugs Tufted apple bud moth Variegated leafroller Western tentiform leafminer	2.4 – 2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>14 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>2.8 fluid ounces/Acre</b> (0.022 lb AI/A $\beta$ -cyfluthrin, 0.044 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.022 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.044 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.044 lb AI/A Do not apply pre-bloom or during bloom or when bees are foraging. Minimum application volume (water): 100 GPA – ground, <b>10</b> GPA – aerial application.	
<b>ADDITIONAL USE DIRECTIONS</b> LEVERAGE 360 Insecticide is to be applied through properly calibrated application equipment. Time applications for control of scale according to crawler stage. Two applications may be required to achieve control. Application targeting Apple maggot must be combined with manufacturer's specified rate of a sticker.	

<b>STONE FRUIT</b>	
<b>Crops of Crop Group 12 Including:</b> Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh)	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
American plum borer Aphids Cherry fruit fly Codling Moth Green fruitworm Green June beetle Japanese beetle Leafhoppers/Sharpshooters (including Glassy-winged sharpshooter) Lesser peach tree borer Obliquebanded leafroller Omnivorous leafroller Oriental fruit moth Peach twig borer Periodical cicada Plant bugs Plum curculio Redbanded leafroller Rose chafer San Jose scale (crawlers) Stink bugs Western cherry fruit fly	2.4 – 2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>14 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>5.6 fluid ounces/Acre</b> (0.044 lb AI/A $\beta$ -cyfluthrin, 0.088 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.044 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.088 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.088 lb AI/A Do not apply pre-bloom or during bloom or when bees are foraging. Minimum application volume (water): 50 GPA – ground application, <b>10</b> GPA – aerial application.	
<b>ADDITIONAL USE DIRECTIONS</b> Time applications for control of scale according to crawler stage. Two applications may be required to achieve control. Time applications targeting aphids before pest population builds to damaging levels. LEVERAGE 360 Insecticide is to be applied through properly calibrated application equipment.	

<b>TREE NUTS - except almond</b>	
<b>Crops of Crop Group 14 (except Almond), including:</b> Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Hazelnut (filbert), Hickory nut, Macadamia nut, Pecan, Pistachio, Walnut [black and English]	
<b>Pests Controlled</b>	<b>Product Rate fluid ounces/Acre</b>
Ants (on foliage) Aphids (except Black pecan aphid – see below) Codling moth Common earwig Filbertworm Hickory shuckworm Leaffooted bug Leafhoppers/Sharpshooters (including Glassy-winged sharpshooter) Navel orangeworm Obliquebanded leafroller Peach twig borer Pecan nut casebearer Pecan weevil <i>Phylloxera</i> sp. (leaf infestations) Spittlebugs Stink bugs Tarnished plant bug Walnut husk fly Whiteflies	2.8
<b>Pest(s) Suppressed</b>	<b>Product Rate fluid ounces/Acre</b>
Black pecan aphid Mealybugs San Jose scale	2.8
<b>RESTRICTIONS</b> Pre-Harvest Interval (PHI): <b>14 days</b> Minimum interval between applications: <b>14 days</b> Maximum LEVERAGE 360 Insecticide allowed per year: <b>2.8 fluid ounces/Acre</b> (0.022 lb AI/A $\beta$ -cyfluthrin, 0.044 lb AI/A imidacloprid) Maximum $\beta$ -cyfluthrin allowed in all forms per crop season: 0.022 lb AI/A Maximum cyfluthrin allowed in all forms per crop season: 0.044 lb AI/A Maximum $\beta$ -cyfluthrin plus cyfluthrin allowed in all forms per crop season: 0.044 lb AI/A Do not apply pre-bloom or during bloom or when bees are foraging. Minimum application volume (water): 100 GPA – ground application, <b>10</b> GPA – aerial application.	
<b>ADDITIONAL USE DIRECTIONS</b> Time applications for control of scale according to crawler stage. Two applications may be required to achieve control. Time applications targeting aphids before pest population builds to damaging levels. LEVERAGE 360 Insecticide is to be applied through properly calibrated application equipment.	

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response telephone number is 1-800-334-7577, or contact Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container.

### For containers less than 5 gallons

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. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### For containers greater than 5 gallons

Triple rinse or pressure 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.



## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

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**Bayer CropScience LP**  
**P.O. Box 12014, 2 T.W. Alexander Drive**  
**Research Triangle Park, North Carolina 27709**  
**1-866-99BAYER (1-866-992-2937)**

LEVERAGE 360 Insecticide (PENDING) 10/20/2014