

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 INSECTICIDE

Bifender FC 3.1 is a versatile, broad-spectrum insecticide that can be mixed directly with liquid fertilizers for control of insect and mite pests on agricultural crops. It can be applied as a PPI, at-plant, PRE, or as a foliar application.

Active Ingredient:

By Wt

Bifenthrin: (2 methyl [1,1'-biphenyl] 3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2dimethyl- cyclopropanecarboxylate*.....

Other Ingredients: 66.0 %

*Cis isomers 97% minimum, trans isomers 3% maximum. This product contains 3.1 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

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

See inside booklet for additional precautionary information.

EPA Reg. No. 89118-13

Designed for liquid fertilizer compatibility using the Allosperse® delivery system

If swallowed:

- · Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- · Remove contact lenses, if present, after the first 5 minutes, then continue
- Call a poison control center or doctor for treatment advice

Note to physician:

This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In the event of a medical or chemical emergency contact Chemtel Inc. in North America at 1-800-255-3924 or worldwide international at +1-813-248-0585.

Net Contents: 2½ Gallons



Vive Crop Protection Inc. 500 Westover Dr #10198 Sanford, NC 27330 1-888-760-0187



2019-08-01

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Wear protective eyewear. Avoid contact with skin, eyes, or clothing. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt, long pants, socks, shoes, and protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using to bacco or using the toilet. $% \label{eq:controlled}$

FIRST AID

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Personal Protective Equipment (PPE)

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants;
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber;
- · Shoes plus socks.

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants;
- · Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber;
- · Shoes plus socks:
- Protective eyewear.

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly with soap and water after handling.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product.
- Wash 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. Use with care when applying in areas adjacent to any body of water. 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 make applications 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 while bees are foraging in the treatment area.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species

Physical or Chemical Hazards

Do not mix or allow coming in contact with any oxidizing agent. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

Restricted Use Pesticide

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

Do not apply this product in a way that will contact workers or other persons. either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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), notification to workers, 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 restrictedentry interval (REI) of 12 hours.

PPF required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Coveralls;
- Chemical-resistant gloves made of any waterproof material such as polyvinyl
- chloride, nitrile rubber or butyl rubber;
- Shoes plus socks.







Product Restrictions

Vegetative Buffer Zones

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses: Natural Resources Conservation Services.

USDA, N RCS.2000. Fort Worth, Texas. (21pp.)

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_023819.pdf

In New York State this product may not be applied within 100 feet (using ground equipment) to 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes.

Buffer Zone for Ground Application (groundboom, chemigation, or airblast)

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

Buffer Zone for ULV Aerial Application

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

Buffer Zone for Non-ULV Aerial Application

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

Rotational Crops

Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated 30 days following the final application of bifenthrin.

Product Use Instructions

Bifender FC 3.1 is a versatile, broad-spectrum insecticide and miticide containing the active ingredient bifenthrin in an optimized SC formulation that is compatible with liquid fertilizers. Bifender FC 3.1 provides activity against many important crop insect pests and can be used alternated with other insecticides with a different mode of action or tank-mixed with such insecticides and other crop protection products.

Bifenthrin, the active ingredient in Bifender FC 3.1, belongs to the pyrethroid class of insecticides. Bifenthrin is a neurotoxin which causes exposed insects to develop hyperexcitation and tremors, followed by paralysis and death. Pyrethroids are classified as GROUP 3 INSECTICIDES.

Integrated Pest Management (IPM)

Bifender FC 3.1 should be used as one component in an integrated pest management program including cultural practices that reduce insect pest pressure. Consult your local extension specialist or certified crop advisor for local best practices to manage insect pests.

Spray Drift Management

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

Wind Direction and Speed

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph.

Temperature Inversion

Do not make aerial or ground applications into temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Droplet Size

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

Additional Requirements for Aerial Applications

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

Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

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

Application and Mixing Instructions

Shake well before use

Bifender FC 3.1 insecticide and miticide is designed for pre-plant incorporated (PPI), at-plant, pre-emergence (PRE), banded, broadcast, transplant-water drench, and foliar spray applications, and must be diluted with water and/or liquid fertilizer before application. Refer to Specific Use Directions for Crop Plants for pest control or suppression instructions.

Do not use strainer (nozzle screens) with a mesh designation greater than 50. Make sure that application equipment is thoroughly cleaned and properly calibrated prior to application and thoroughly cleaned after application.

Bifender FC 3.1 can be mixed directly with water and/or liquid starter or popup fertilizer. Follow liquid fertilizer recommendations regarding seed safety and use guidelines. Conduct a preliminary jar test using the appropriate ratio of fertilizer and Bifender FC 3.1 (see instructions below). If mixture compatibility is not acceptable, repeat the jar test with an equivalent volume of water added to the liquid fertilizer prior to adding Bifender FC 3.1. Do not exceed dilution specified by mixing instructions. For best results, use immediately after mixing. Do not allow a tank mixture to set overnight. If the mixture settles, agitate the mixture and assess to ensure thorough re-mixing prior to application. Do not store mixtures. Make sure that application equipment is thoroughly cleaned and properly calibrated prior to application and thoroughly cleaned after application.

- Use spray nozzles appropriate for the crop to provide full coverage and uniform distribution of the spray mixture.
- Use screens where appropriate to protect sprayer equipment and prevent clogging.
- Screens used to protect pump on the suction side to be no finer than 16-mesh.
- \bullet Do not fit the recirculation line of the spray system with a screen.
- Screens used on the spray nozzles are to be no finer than 50-mesh.
- The spray system pump is to have sufficient capacity to deliver 35-40 psi of pressure to the nozzles, and recirculate at least 10% of the tank volume per minute to maintain a uniform mixture.
- Agitate the spray mixture with a jet agitator or liquid sparge tube.
- Do not use air sparge.

Consult manufacturers of spray equipment for more information on sprayer use, calibration, and recommendations. Consult state agricultural extension recommendations for local directions and spray schedules.

Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip.







Choose the rate of application within the label ranges for the crop being treated based on expected insect pest pressure. This can be determined by history and scouting of the field and whether weather conditions are expected to be favorable. Use lower rates when insect pest pressure is expected to be light and use higher rates when insect pest pressure is expected to be heavy. Application rates are generally higher in arid climates.

Unless otherwise directed by registered supplemental labeling, follow the Directions for Use in each crop group section.

Mixing Instructions

Solo Bifender FC 3.1 Application

- Determine the required volume of water or liquid fertilizer for application and fill the spray/mixing tank with $\frac{1}{2}$ $\frac{2}{3}$ of this volume.
- Begin agitation of the tank and add the required volume of Bifender FC 3.1 for the insecticide application.
- Continue agitation while adding the remaining $\,1/2\,$ $\,1/3\,$ volume of water or liquid fertilizer to complete the spray mixture.
- Apply the mixture after the contents of the tank are completely dispersed.
- Maintain agitation of the spray tank until all of the spray mixture has been applied.
- Thoroughly rinse spray tank with water and dispose of the rinse water by spraying onto a section of the already treated crop.

Do not prepare more spray mixture than is required for the treatment. Do not allow a mixture to set overnight. If the mixture settles, agitate the mixture and assess to ensure thorough re-mixing prior to application. Do not store spray mixtures.

Bifender FC 3.1 Tank Mixture Application

Bifender FC 3.1 may be applied in tank mixtures with adjuvants, micronutrients, and other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products. Do not combine Bifender FC 3.1 in the spray tank with pesticides, adjuvants or fertilizers unless compatibility charts or your own prior use has shown that the combination is physically compatible, and the combination is effective and non-injurious to the target crop under your use conditions.

When an adjuvant is used, it is recommended to use an adjuvant that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification.

Caution: Test potential mixing partners, including adjuvants, for mixing compatibility using a standard jar test or other similar method and for crop safety prior to use on a crop. Incompatibilities may exist with some methylated seed oils, crop oil concentrates, or silicone-based adjuvants; conduct jar tests before using.

The following jar test procedure is recommended to evaluate compatibility: Following any product specific instructions for order of addition, pour the recommended proportions of the products into a suitable container, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

Do not prepare more spray mixture than is required for the treatment. For best results, use immediately after mixing. Do not allow a mixture to set overnight. If the mixture settles, agitate the mixture and assess to ensure thorough re-mixing prior to application. Do not store soray mixtures.

Instructions For PPI And PPE Applications

PPI Treatments: PPI herbicides can be tank mixed with Bifender FC 3.1. Test for compatibility with jar tests or similar methods before use. Follow all use rate recommendations. Incorporate Bifender FC 3.1 close to seed planting depth.

PRE Treatments: PRE herbicides can be tank mixed with Bifender FC 3.1. Test for compatibility with jar tests or similar methods before use and follow all use rate recommendations.

Instructions For At-Plant And Banded Applications

Bifender FC 3.1 can be applied as a soil-directed application at-plant, as an infurrow or T-band application, or as an early season banded application over the plant row for control of below ground and surface feeding insect pests. Refer to the use directions for specific crops to determine if such applications are labeled for a given crop and, if so, for which insect pests.

Generally, at-plant in-furrow applications are more effective against below ground feeding insects, whereas T-band and broadcast applications may be more effective against surface feeding insect pests. Check with your local extension specialist or certified crop advisor for specific advice on best local practices for insect control.

At-Plant Application Instructions

Use 3-20 gallons of water or liquid fertilizer per acre for in-furrow or T-band applications.

Direct the 5 -7 inch spray into the furrow just before the seed is covered, unless instructed otherwise under the specific crop instructions.

Use the higher rate if conditions are expected to be favorable for insect pests or mites, or if minimum or no-till practices are being followed.

	At Plant In-Furrow Application Rates (fl oz per acre)										
		0.05 fl oz	0.08 fl oz	0.09 fl oz	0.15 fl oz	0.16 fl oz	0.19 fl oz	0.24 fl oz	0.38 fl oz	0.47 fl oz	0.71 fl oz
	Row ft	per 1000									
Row Spacing	per Acre	row feet									
20	26136	1.2	2.0	2.5	4.0	4.1	5.0	6.2	9.9	12.4	ieei
22	23760	1.1	1.8	2.3	3.6	3.8	4.5	5.6	9.0	11.3	
24	21780	1.0	1.7	2.1	3.3	3.4	4.1	5.2	8.3	10.3	
26	20105	1.0	1.5	1.9	3.0	3.2	3.8	4.8	7.6	9.5	
28	18669	0.9	1.4	1.8	2.8	2.9	3.5	4.4	7.1	8.8	
30	17424	0.8	1.3	1.7	2.6	2.8	3.3	4.1	6.6	8.3	12.4
32	16335	0.8	1.2	1.5	2.5	2.6	3.1	3.9	6.2	7.7	11.6
34	15374	0.7	1.2	1.5	2.3	2.4	2.9	3.6	5.8	7.3	10.9
36	14520	0.7	1.1	1.4	2.2	2.3	2.8	3.4	5.5	6.9	10.3
38	13756	0.7	1.0	1.3	2.1	2.2	2.6	3.3	5.2	6.5	9.8
40	13068	0.6	1.0	1.2	2.0	2.1	2.5	3.1	5.0	6.2	9.3

Linear Row Feet Calculation: 522,720 ÷ row spacing (in inches) = Row feet per acre

Instructions For Foliar Applications

Bifender FC 3.1 can be applied as a spray to above ground plant parts such as flowers, foliage and fruit. Application in a tank mixture with an adjuvant is recommended to improve wetting. Refer to the use directions for specific crops to determine if such applications are labeled for a given crop and, if so, for which plant parts and which insect pests.

Use higher label rates if insect pest pressure is high, controlling for mites, and/or conditions are expected to be favorable for pest population growth.

Do not apply when conditions favor drift from the area intended for treatment; follow instructions under the Spray Drift section.

Ground Applications

Apply with sufficient water or liquid fertilizer in a manner that provides thorough and uniform coverage to obtain good pest control. Follow spray volume recommendations given under specific crops.

Aerial Applications

Apply with sufficient water or liquid fertilizer in a manner that provides uniform coverage for good pest control. Follow spray volume recommendations given under specific crops. Dense canopies may limit coverage on lower leaves from aerial applications reducing insect pest control on those leaves.







Chemigation Use Directions

Apply this product only through sprinklers including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

For Low Energy Precision Application (LEPA) irrigation of a minimum of 0.75 inch of water per acre is recommended. Where non-emulsified oils are used as the diluent, 1 to 2 pints per acre is recommended.

Results from utilizing chemigation have been variable and depend upon the set up and calibration of equipment. Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. Contact your State Agricultural Extension Service specialists, equipment manufacturers or other experts for consultation on the suitability of the equipment set up to obtain effective control of the target insect pests.

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. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain, appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

Resistance Management Recommendations

Bifender FC 3.1 contains the active ingredient bifenthrin which is a GROUP 3 INSECTICIDE and is effective against a variety of insect and mite pests.

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

- To delay insecticide (or miticide) resistance consider:

 Avoiding the consecutive use of Bifender FC or other GROUP 3 insecticides/ miticides that have a similar target site of action, on the same insect/mite species.
- Using tank-mixtures or premixes with insecticides/miticides from a different target site of action GROUP as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/miticide use on a comprehensive IPM program.
 Monitoring treated insect/mite populations for loss of field efficacy.
- · Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/miticide resistance management and/or IPM recommendations for the specific site and resistant pest problems.

The non-GROUP 3 insecticide(s) that is used to alternate or mix with a GROUP 3 insecticide must be labeled for the crop and, to be effective as a resistance management strategy, must also be labeled for the target insect pest

Monitor the efficacy of all insecticides used in your insect pest management program and record other factors that may influence insecticide performance and insect pest population growth. If Bifender FC 3.3 or another insecticide appears to be less effective against an insect pest that it previously controlled, contact your local extension specialist or certified crop advisor for further investigation. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulations.

BIFENDER FC 3.1 CONVERSION TABLES

Treated Area					
fl oz Product/A	lb a.i./A	Treated Acres per Gallon Product	Treated Acres per 2.5 Gallon of Product		
0.8	0.02	155.0	387.5		
1.0	0.025	124.0	310.0		
1.4	0.033	93.9	234.8		
1.7	0.04	77.5	193.8		
1.9	0.047	66.0	164.9		
2.1	0.05	62.0	155.0		
2.5	0.06	51.7	129.2		
2.6	0.062	50.0	125.0		
3.3	0.08	38.8	96.9		
4.1	0.10	31.0	77.5		
6.2	0.15	20.7	51.7		
6.6	0.16	19.4	48.4		
8.3	0.20	15.5	38.8		
10.3	0.25	12.4	31.0		
12.4	0.30	10.3	25.8		
20.6	0.50	6.2	15.5		

SPECIFIC USE DIRECTIONS FOR CROP PLANTS ARTICHOKE, GLOBE

	USE RATES		
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)	
Cribrate Weevil (Grubs)	4.1 (0.10)	0.24 (0.0057)	

At-Plant Instructions:

. Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control

	3		
FOLIAR	fl oz product/A (lb a.i./A)		
Artichoke Plume Moth Cribrate Weevil	4.1 (0.10)		

Foliar Instructions

Apply Bifender FC 3.1 in 75 or more gallons of spray per acre by ground equipment, or 10 or more gallons of spray per acre by aircraft to achieve thorough coverage.

- Do not exceed more than 0.5 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 5 days of harves
- Application Interval: Do not make applications less than 15 days apart.







BEET, GARDEN

		USE RATES
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 20" rows (lb a.i./1000 row ft)
Crown and Root Aphids Cutworms Flea Beetles Seedcorn and Root Maggots Wireworms	4.1 (0.10)	0.16 (0.0038)

At-Plant Instructions:

Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control.

FOLIAR	fl oz product/A (lb a.i./A)	
Aphids Flea Beetles Lepidopterous (larvae) Spider Mites Whitefly	3.3 - 4.1 (0.08 - 0.10)	

Foliar Instructions:

 Apply Bifender FC 3.1 in 25 or more gallons of spray per acre to achieve thorough coverage.

Specific Use Restrictions:

- Not for use in California.
- Do not exceed more than 0.4 lb bifenthrin per acre per season including at-
- plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
 Pre-Harvest Interval (PHI): Do not apply within 1 days of harvest.
- Application Interval: Do not make applications less than 7 days apart.

CANEBERRY SUBGROUP 13A

Blackberry (*Rubus* spp.); loganberry; red and black raspberry; including all cultivars, varieties and/or hybrids of these.

	USE RATES		
AT-PLANT	fl oz product/A (lb a.i./A)		
Wireworm White Grubs	4.1 (0.10)		

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control. Refer to At-Plant
- Application Instructions for application rates at various row spacings.

 May also be applied through transplant water the time of transplanting.

FOLIAR	fl oz product/A (lb a.i./A)	
Leafroller Orange Tortrix Root Weevil Spotted Winged Drosophila	2.1 - 4.1 (0.05 - 0.10)	
Raspberry Crown Borer ¹ Spider Mites	4.1 (0.10)	

- Foliar Instructions:
 Apply Bifender FC 3.1 in 50 or more gallons of spray per acre by ground equipment, or 10 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- ¹Raspberry Crown Borer: Apply in the spring (pre bloom), or fall (postharvest) as a drench application directed to the crown of the plants in a minimum of 200 gallons spray per acre. Increased efficacy is expected with higher spray volumes or for applications made prior to significant rainfall

- Do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 3 days of harvest.
- Application Interval: Do not apply more than 1 foliar application pre-bloom and 1 foliar application post-bloom.







CANOLA; CRAMBE; RAPESEED

	USE RATES		
AT-PLANT	fl oz product/A (lb a.i./A)		
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Aphids Seed Corn Beetle Seed Corn Maggot Stalk Borer Sugarcane Beetle True Armyworm Wireworm	3.3 (0.08)		

At-Plant Instructions:

 Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control. Refer to **At-Plant Application Instructions** for application rates at various row spacings.

		-
FOLIAR	fl oz product/A (lb a.i./A)	
Aphids Armyworm spp. Cutworms Diamondback Moth Flea Beetles Flea Hopper Grasshoppers Loopers Other Lepidopterous (Larvae) Plant Bugs Stink Bugs Seedpod Weevil Thrips Whitefly	1.4 - 1.7 (0.033 - 0.04)	

Foliar Instructions:

- Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

Specific Use Restrictions:

- Do not exceed more than 0.08 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.

 • Pre-Harvest Interval (PHI): Do not apply within 35 days of harvest.

 • Application Interval: Do not make applications less than 14 days apart.

CILANTRO; CORIANDER

	USE RATES			
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)		
Army Cutworm Armyworm spp. Cutworm spp Flea Beetle (Larvae) Grape Colaspis Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)		

At-Plant Instructions:

Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control.

FOLIAR	fl oz product/A (lb a.i./A)
Aphids Beet Armyworm Cabbage Looper Cutworm Flea Beetle Grasshoppers Leafminer Saltmarsh Caterpillar Spotted Cucumber Beetle Thrips Whitefly	1.4 - 4.1 (0.033 - 0.10)
Two-Spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

• Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.

- Not for use in California.
- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.5 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 3 days of harvest.
- Application Interval: Do not make applications less than 7 days apart.







CITRUS FRUIT CROP GROUP 10-10

Australian desert lime; Australian finger lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; Mount White lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; uniq fruit; including all cultivars, varieties and/or hybrids of these.

COIL CLIDEAGE	USE RATES
SOIL SURFACE UNDER DRIP LINE	fl oz product/A (lb a.i./A)
Blue Green Citrus Root Weevil Brown Leaf Notcher Diaprepes Root Weevil Little Leaf Notcher Southern Blue Green Citrus Root Weevil	10.3 - 20.6 (0.25 - 0.50)

Application Instructions:

- Jsing ground equipment, uniformly apply Bifender FC 3.1 to the bare soil beneath citrus trees, from trunk to drip line.
- Larger spray volume should increase coverage uniformity. Additionally, a preand post-application irrigation may aid in coverage uniformity.
- Bifender FC 3.1 forms a chemical barrier to Diaprepes and citrus root weevil larvae (neonates). Neonates hatch and fall from foliage, and attempt to burrow into the root zone of the tree. Bifender FC 3.1 provides contact activity against these neonates, so soil disturbance at the base of trees should be minimized.
- Application timing is crucial for effective control of Diaprepes Root Weevil Depending on region, Diaprepes can have one or two emergence peaks; one in the spring and one in the fall. These peaks can be greatly affected by environmental factors such as soil moisture. Apply high rates of Bifender FC 3.1 at the time of greatest emergence, or two moderate rates can be used if similar spring and fall emergence peaks are forecasted. If weevil emergence extends beyond the residual life of this product, use other management strategies (such as nematodes) to extend control. Consult with your local extension specialist or certified crop advisor for the most accurate and up-to-date emergence and application timing.
- Bifender FC 3.1 is also a valuable tool in an integrated pest management program for Citrus Root Weevil. Use in combination with good biological and cultural control practices for management of adult and larvae populations.
- Apply to individual citrus resets, when not in solid planted rows, using hand gun or shielded sprayer.

Specific Use Restrictions:

- Not for use in California.
- Do not allow any application of Bifender FC 3.1 to contact fruit or foliage.
- Do not exceed more than 0.5 lb bifenthrin per acre per year including applications from all bifenthrin containing products.
- Do not apply by air.

CORN

Field Corn (Grain, Silage, and Grown for Seed); Sweet Corn (Including Grown for Seed); Popcorn

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Corn Rootworm (Larvae) (Northern; Southern; and Western)	3.3 - 8.3 (0.08 - 0.2)	0.19 - 0.47 (0.0046 - 0.0115)
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Grape Colapsis Grubs Root Aphids Seedcorn Maggot Stalk Borer¹ True Armyworm¹ Wireworm	1.7 - 6.6 (0.04 - 0.16)	0.09 - 0.38 (0.0023 - 0.0091)

At-Plant Instructions:

- Following best local practice, apply as a spray T-banded over an open furrow
- or in-furrow with the seed. Thorough coverage is important for good control.

 ¹Army cutworm, armyworm spp., cutworm spp., stalkborer, true armyworm: Apply as a 5 -7 inch band over the row on the soil surface, a 5 - 7 inch band over the open furrow (T-band), in-furrow with the seed, or broadcast to the soil surface.

PRE-PLANT INCORPORATED (PPI)	fl oz product/acre (lb a.i./acre)
Armyworm spp. Black Cutworm Grape Colaspis Seed Corn Beetle Seed Corn Maggot White Grub Wireworm	1.9 - 2.6 (0.047 - 0.062)

PPI Instructions:

· Incorporate Bifender FC 3.1 close to seed planting depth up to a max depth of 3 inches.

PRE-EMERGENCE (PRE)	fl oz product/acre (lb a.i./acre)
Armyworm spp. Black Cutworm Seed Corn Beetle Stalk Borer	1.7 (0.04)

PRE Instructions:

Apply to the soil surface prior to plant emergence.

(continued)







CORN (continued)

	USE RATES
FOLIAR PESTS	fl oz product/A (lb a.i./A)
Aphids Army Cutworm Armyworm spp. Beet Armyworm Cereal Leaf Beetle Chinch Bug Common Stalk Borer Corn Earworm Corn Rootworm (Adult) Cucumber Beetle (Adult) Cutworm spp. European Corn Borer ³ Fall Armyworm Flea Beetle Grasshoppers Greenbug Japanese Beetle (Adult) Leafhoppers Sap Beetle Southern Armyworm Southern Armyworm Southern Corn Leaf Beetle Southwestern Corn Borer ³ Stinkbugs Thrips Tarnished Plant Bug True Armyworm Webworms Western Bean Cutworm Yellow Striped Armyworm	1.4 - 4.1 (0.033 - 0.10)
Banks Grass Mite ^{1,2} Carmine Mite ^{1,2} Two-spotted Spider Mite ^{1,2}	3.3 - 4.1 (0.08 - 0.10)

- Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage. To improve control by aircraft, use 5 gallons of finished spray per acre particularly when initial populations are heavier than normal. When applying by aircraft, 1-2 quarts of emulsified oil may be substituted for equivalent amounts water in the finished spray. Thorough coverage is important for good control.
- ¹Mites: Apply for Banks Grass Mite control when colonies first form prior to leaf damage or discoloration and before dispersal above the bottom third of the plant. For Two-Spotted Spider Mite and Carmine Mite control, apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy. Higher rates will be necessary for heavier initial populations and corn under heat or drought stress. Field experience with dimethoate at 0.5 lb active per acre in tank mixture has demonstrated good control under these conditions.
- ²Mite control in Texas, New Mexico, Oklahoma, Arizona: Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 5 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- ³Southwestern corn borer and european corn borer: Make initial application for corn borer control at or shortly before egg hatch and repeat as necessary.

CORN (continued)

Foliar Instructions: (continued)

- · Corn ear-attacking pests: Apply this product just before silking and repeat as necessary to maintain control.
- Other insect pests: Apply when pests first appear and repeat as necessary.

Specific Use Restrictions:

- Do not apply more than 0.2 pounds bifenthrin per acre per season as an at-plant application.
- For field corn do not exceed more than 0.3 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- For sweet corn do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 1 day of harvest for sweet corn, or 30 days of harvest for field corn.
- Application Interval: Do not make applications less than 7 days apart.
- Do not graze livestock in treated areas or cut treated crops for feed within 30 days of last application for field corn or within 1 day of harvest for sweet corn.
- Use of ultra low volume (ULV) foliar application on corn is prohibited.
- · Do not make aerial or ground foliar applications to corn if heavy rainfall is

COTTON

imminent.

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Cutworm spp. Grape Colaspis Root Maggot Seedcorn Maggot White Grub Wireworm	0.8 - 4.1 (0.02 - 0.10)	0.05 - 0.24 (0.0011 - 0.0057)

At-Plant Instructions:

· Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control.

300d. Thorough coverage is important for good control.		
FOLIAR	fl oz product/A (lb a.i./A)	
European Corn Borer Soybean (Banded) Thrips Tobacco Thrips	0.8 - 4.1 (0.02 - 0.10)	
Boll Weevil¹ Bollworm Cabbage Looper Cotton Aphid² Cotton Fleahopper Cotton Leafperforator Cutworm Fall Armyworm Plant Bug Saltmarsh Caterpillar Southern Garden Leafhopper Stink Bug Tobacco Budworm Whitefly Yellow Striped Armyworm	1.7 - 4.1 (0.04 - 0.10)	

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COTTON (continued)

FOLIAR	USE RATES
	fl oz product/A (lb a.i./A)
Beet Armyworm Carmine Spider Mite ² Lygus Spp. Pink Bollworm Two-Spotted Spider Mite ²	2.5 - 4.1 (0.06 - 0.10)

Foliar Instructions:

- Application in water: Apply Bifender FC 3.1 in 5 or more gallons of spray per acre by ground equipment, or 1 or more gallons of spray per acre by aircraft to achieve thorough coverage. When applying by air, 1 quart of emulsified oil may be substituted for equivalent amount water in the finished spray.
- ULV application: Apply the recommended rate of this product in a minimum of 1 quart of finished spray per acre with aircraft calibrated to give adequate coverage.
- Boll weevil: Apply product at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels.
- 2Mites and aphids: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is reached.

Specific Use Restrictions:

- In California: Do not exceed 0.3 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing
- Other States: Do not exceed more than 0.5 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 14 days of harvest.
- Do not graze livestock in treated areas or cut treated crops for feed.
- Do not make more than 10 synthetic pyrethroid pesticide applications to a cotton crop in any one growing season.

CUCURBIT VEGETABLES CROP GROUP 9

Chayote (fruit); Chinese wax gourd; citron melon; cucumber; gherkin; gourd, edible; Momordica spp.; muskmelon; pumpkin; squash, summer; squash, winter; watermelon; including all cultivars, varieties and/or hybrids of these.

		USE RATES
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Cucumber Beetle (Larvae)	3.3 - 4.1 (0.08 - 0.1)	0.19 - 0.24 (0.0046 - 0.0057)
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Flea Beetle Larvae Grubs True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control.
- May also be applied through transplant water the time of transplanting.
- ¹Army cutworm, armyworm spp., cutworm spp., or true armyworm. Bifender FC 3.1 may be applied as a broadcast or banded treatment to soil surface.

CUCURBIT VEGETABLES CROP GROUP 9 (continued)

	USE RATES	
FOLIAR	fl oz product/A (lb a.i./A)	
Aphids Armyworm Cabbage Looper Corn Earworm Cucumber Beetle Cutworm Grasshopper Leafhoppers Melonworm Pickleworm Plant Bug Rindworm Squash Vine Borer Stink Bug Tobacco Budworm	1.7 - 4.1 (0.04 - 0.10)	
Banks Grass Mite Carmine Mite Lygus spp. Two-spotted Spider Mite Whitefly	3.3 - 4.1 (0.08 - 0.10)	

- Apply Bifender FC 3.1 in 20 or more gallons of spray per acre by ground equipment, or 5 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.3 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Do not make more than 2 applications after bloom.
 Pre-Harvest Interval (PHI): Do not apply within 3 days of harvest.
- · Application Interval: Do not make applications less than 7 days apart.







DRIED SHELLED PEA AND BEAN (EXCEPT SOYBEAN) SUBGROUP 6C Dried cultivars of bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); bean (Vigna spp.) (includes adzuki bean, blackeyed pea, catjang, cow-pea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea (Pisum spp.) (includes field pea); pigeon pea.

1177		
	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Corn Rootworm (larvae)	3.3 - 4.1 (0.08 - 0.1)	0.19 - 0.24 (0.0046 - 0.0057)
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Grape Colapsis Grubs Root Maggot True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

At-Plant Instructions

- · Following best local practice, apply T-band over an open furrow, in-furrow as a spray, or as a banded spray over the row targeting the plant bases and surrounding soil. Thorough coverage of these areas is important for good
- ¹Army cutworm, armyworm spp., cutworm spp., true armyworm: Apply broadcast to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Aster Leafhoppers Flea Beetle Grasshoppers Leafhoppers	1.0 - 4.1 (0.025 - 0.10)
Alfalfa Caterpillar Aphids Bean Leaf Beetle Beet Armyworm Cloverworm Corn Rootworm (Adult) Cucumber Beetles Cutworms European Corn Borer Fall Armyworm Japanese Beetle (Adult) Loopers Pea Leaf Weevil Pea Weevil Plant Bug Sap Beetle Stink Bug Southern Armyworm Tarnished Plant Bug Thrips Webworms Western Bean Cutworm Whitefly	1.4 - 4.1 (0.033 - 0.10)

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DRIED SHELLED PEA AND BEAN (EXCEPT SOYBEAN) SUBGROUP 6C (continued)

1		
	USE RATES	
FOLIAR	fl oz product/A (lb a.i./A)	
Banks Grass Mite Carmine Mite Lygus Species Twospotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)	

Foliar Instructions:

- · Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

Specific Use Restrictions:

- Not for use in California.
- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- For succulent beans and succulent or dry peas do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- For dried beans do not exceed more than 0.3 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): For succulent beans and peas do not apply within 3 days of harvest; for dry beans and peas do not apply within 14 days of harvest.
- Application Interval: For succulent beans and peas do not make applications less than 3 days apart; for dry beans and peas do not make applications less than 7 days apart.





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	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 24" rows (lb a.i./1000 row ft)
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Grubs Root Maggot True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.08 - 0.15 (0.0018 - 0.0037)

- Following best local practice, apply T-band over an open furrow, in-furrow as a spray, or as a banded spray over the row targeting the plant bases and sur-
- rounding soil. Thorough coverage of these areas is important for good control.

 ¹Army cutworm, armyworm spp., cutworm spp., true armyworm: Apply broadcast to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Armyworms (Including Beet) Armyworm Fall Armyworm Southern Cabbage Looper Colorado Potato Beetle Corn Earworm Cucumber Beetle Cutworms European Corn Borer Flea Beetle Leafminers Loopers Pepper Weevil Plant Bug Stink Bug Thrips Tomato Hornworm Tomato Pinworm Vegetable Leafminer Whitefly Yellowstriped Armyworm	1.4 - 4.1 (0.033 - 0.10)
Banks Grass Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

- Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.

 • When applying by air, 1-2 quarts of emulsified oil may be substituted for
- equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

Specific Use Restrictions:

- Not for use in California.
 Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application. Do not exceed more than 0.2 lb bifenthrin per acre per season including at-
- plant, PRE, PPI, and foliar applications from all bifenthrin containing products.

 Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest.
- Application Interval: Do not make applications less than 7 days apart.

GRAPES

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	
Grape Phylloxera (Suppression Only) White Grubs Wireworm	4.1 (0.10)	

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow. Thorough coverage is important for good control. Refer to At-Plant Application Instructions for application rates at various row spacings.

 May also be applied through transplant water the time of transplanting.

FOLIAR	fl oz product/A (lb a.i./A)
Cutworms Eastern Grape Leafhopper Grape Berry Moth Grapevine Root Borer Japanese Beetle (Adult) Lady Beetle (Scymnus spp.) Variegated Leafhopper Western Grape Leafhopper	2.1 - 4.1 (0.05 - 0.10)
Black Vine Weevil Glassywinged Sharpshooter Two-spotted Spider Mite	4.1 (0.10)

Foliar Instructions:

- Apply Bifender FC 3.1 in 25 or more gallons of spray per acre by ground equipment, or 10 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

- Not for use in California. • Do not exceed more than 0.1 lb bifenthrin per acre per season including at-
- plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
 Pre-Harvest Interval (PHI): Do not apply within 30 days of harvest.





HEAD AND STEM BRASSICA SUBGROUP 5A

Broccoli; broccoli, Chinese; brussels sprouts; cabbage; cabbage, Chinese (napa); cabbage, Chinese mustard; cauliflower; cavalo broccolo; kohlrabi; including all cultivars, varieties and/or hybrids of these.

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Army Cutworm¹ Armyworm spp.¹ Cabbage Maggot Cutworm spp.¹ Grubs Root Aphids Root Maggots Seedcorn Maggot Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

- Following best local practice, apply as a spray T-banded over an open furrow or in-furrow with the seed or transplant. Thorough coverage is important for
- ¹Army cutworm, armyworm spp., and cutworm: Bifender FC 3.1 may be applied as a broadcast treatment to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Aphids Armyworm Spp. Black Burrowing Bug Crickets Corn Earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Ground Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bug Thrips Tobacco Budworm Whitefly Wireworm (Adult)	1.4 - 4.1 (0.033 - 0.10)
Banks Grass Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

 Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage. When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

HEAD AND STEM BRASSICA SUBGROUP 5A (continued)

Specific Use Restrictions:

- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.5 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.

 • Do not make more than 5 applications after bloom.
- Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest
- · Application Interval: Do not make applications less than 7 days apart

HOPS

	USE RATES
AT-PLANT	fl oz product/A (lb a.i./A)
Grape Colaspis Rootworms Sweet Potato Flea Beetle White Grubs Wireworms	2.5 - 4.1 (0.06 - 0.10)

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed.
 Thorough coverage is important for good control. Refer to At-Plant Application Instructions for application rates at various row spacings.
- May also be applied as a soil drench through transplant water the time of transplanting.
- · Apply in a minimum of 10 gallons per acre of finished spray.

FOLIAR	fl oz product/A (lb a.i./A)	
Aphids Armyworm Cutworm Leafroller Looper	2.5 - 4.1 (0.06 - 0.10)	
Root Weevil ¹	2.1 - 4.1 (0.05 - 0.10	
Two-spotted Spider Mite ²	4.1 (0.10)	

Foliar Instructions:

- For best results apply this product in 100-150 gallons per acre with ground equipment in early season, or 200-250 gallons of spray per acre in late season. Thorough coverage is important for good control.
- 1Root weevil: Direct spray at lower 3 feet of plant plus 1.5-2 feet of soil on both sides of plant row.
- *Two-spotted spider mite: Apply no less than 7.4 fl oz (0.10 lb a.i. per acre) per application in a minimum of 10 gallons of finished spray per acre

Specific Use Restrictions:

- Do not exceed more than 0.3 lb bifenthrin per acre per season including atplant, PRE, PPI, Layby and foliar applications from all bifenthrin containing products.
- Do not apply using an ultra low volume (ULV) application method.
- Pre-Harvest Interval (PHI): Do not apply within 14 days of harvest.
 Application Interval: Do not make applications less than 21 days apart.





(continued)



LEAFY BRASSICA GREENS SUBGROUP 5B & TURNIP GREENS Broccoli raab; cabbage, Chinese (bok choy); collards; kale; mizuna; mustard greens; mustard spinach; rape greens; turnip greens.

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	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	
Rootworm (Larvae)	3.3 - 4.1 (0.08 - 0.10)	
Army Cutworm¹ Armyworm spp.¹ Cabbage Maggot Cutworm spp.¹ Grubs Lettuce Root Aphid Root Maggots True Armyworm Wireworm	1.7 - 3.3 (0.04 – 0.08)	

At-Plant Instructions:

- · Following best local practice, apply as a spray T-banded over an open furrow or in-furrow with the seed or transplant. Thorough coverage is important for good control. Refer to **At-Plant Application Instructions** for application rates at various row spacings.
- ¹Cutworm and armyworm: Bifender FC 3.1 may be applied as a broadcast treatment to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Aphids Armyworm Spp. Crickets Corn Earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Grasshoppers Ground Beetles Imported Cabbageworm Japanese Beetle (Adult) Leafhoppers Loopers Saltmarsh Caterpillar Stink Bug Thrips Tobacco Budworm Whitefly Wireworm (Adult)	1.4 - 4.1 (0.033 - 0.10)
Banks Grass Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

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LEAFY BRASSICA GREENS SUBGROUP 5B & TURNIP GREENS

(continued)

- Foliar Instructions:
 Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

Specific Use Restrictions:

- Not for use in California.
- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.4 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing
- Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest.
 Application Interval: Do not make applications less than 7 days apart

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USE RATES		USE RATES
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Rootworm (Larvae)	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)
Army Cutworm¹ Armyworm spp.¹ Bulb Mites¹ Cutworm spp.¹ Grubs Lettuce Root Aphid Root Maggot True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

- At-Plant Instructions:
 Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control.
- ¹Army cutworm, armyworm spp., bulb mites, cutworm spp., true armyworm: Apply broadcast to soil surface.

FOLIAR PESTS	fl oz product/A (lb a.i./A)
Aphids Armyworm Cabbage Maggot Corn Earworm Cucumber Beetle Cutworm Diamondback Moth Flea Beetle Grasshoppers Imported Cabbageworm Leafhopper Looper Saltmarsh Caterpillar Stink Bug spp. Thrips Tobacco Budworm Whitefly	1.4 - 4.1 (0.033 - 0.10)

(continued)







LETTUCE, HEAD (continued)

	USE RATES
FOLIAR PESTS	fl oz product/A (lb a.i./A)
Carmine Mite Lygus spp. Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

- Apply Bifender FC 3.1 in 15 or more gallons of spray per acre by ground equipment, or 5 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

Specific Use Restrictions:

- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.5 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest.
- Application Interval: Do not make applications less than 7 days apart.

MAYHAW

WATTAW		
	USE RATES	
PPI & PRE	PPI / PPE fl oz product/A (lb a.i./A)	
White Grub Wireworm	4.1 (0.10)	

PPI Instructions:

- Incorporate Bifender FC 3.1 close to seed planting depth. PRE Instructions:
- Apply to the soil surface prior to plant emergence.

FOLIAR PESTS	fl oz product/A (lb a.i./A)
Plum Curculio	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

- Apply Bifender FC 3.1 in 15 or more gallons of spray per acre by ground equipment, or 5 or more gallons of spray per acre by aircraft to achieve thor-
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

Specific Use Restrictions:

- Not for use in California.
- Do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing
- Pre-Harvest Interval (PHI): Do not apply within 30 days of harvest.
 Application Interval: Do not make applications less than 7 days apart.

OKRA

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Armyworm Cutworm spp. Flea Beetle (Larvae) Grape Colaspis Root Maggot Wireworm White Grub	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

At-Plant Instructions:
Apply as a 5 to 7 inch T-band over an open furrow, in-furrow with the seed, or broadcast to the soil surface. Thorough coverage is important for good

FOLIAR	fl oz product/A (lb a.i./A)
Aphids Armyworm Corn Earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Japanese Beetle (Adult) Leafminers Loopers Stink Bugs Thrips Whitefly	1.4 - 4.1 (0.033 - 0.10)
Broad Mite Carmine Mite Lygus Species Two-Spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

 Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 10 or more gallons of spray per acre by aircraft to achieve thorough coverage.

- Not for use in California.
- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products
- Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest.
- Application Interval: Do not make applications less than 7 days apart.







PEANUT

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Aphids Leafhoppers Thrips Wireworms	3.3 - 4.1 (0.08 - 0.10)	0.19 - 0.24 (0.0046 - 0.0057)

At-Plant Instructions

Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control.

FOLIAR	fl oz product/A (lb a.i./A)	
Beet Armyworm Corn Earworm Cutworm Species Fall Armyworm Grasshoppers Green Cloverworm Leafhoppers Lesser Cornstalk Borer Loopers Rednecked Peanut Worm Southern Armyworm Southern Corn Rootworm Stink Bugs Three Cornered Alfalfa Hoppers Velvetbean Caterpillar Yellowstriped Armyworm	1.4 - 4.1 (0.033 - 0.10)	
Aphids Spider Mites Thrips Whitefly	3.3 - 4.1 (0.08 - 0.10)	

Foliar Instructions:

 Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.

Specific Use Restrictions:

- Not for use in California.
- Do not exceed more than 0.5 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.

 • Pre-Harvest Interval (PHI): Do not apply within 14 days of harvest.

 • Application Interval: Do not make applications less than 14 days apart.

- Do not feed treated peanut hay or immature plants to livestock.

PEARS

	USE RATES	
PESTS	fl oz product/A (lb a.i./A)	
Aphids Codling Moths Codling Moths Cutworms Green Fruitworms Leafmoppers Leafminers Leafminers Leafroller Lygus spp. Plant Bugs Plum Curculio San Jose Scale Crawlers Stink Bugs Tarnished Plant Bugs	1.7 - 8.3 (0.04 - 0.2)	
Two-spotted Spider Mite Yellow Mite	2.5 - 8.3 (0.06 - 0.2)	
European Red Mite	3.3 - 8.3 (0.08 - 0.2)	

Application Instructions:

 Apply Bifender FC 3.1 in 50 or more gallons of spray per acre by ground equipment as a concentrate, 200 or more gallons of spray by ground equipment as a dilute, or 10 or more gallons of spray per acre by aircraft to achieve thorough coverage. Thorough coverage is important for good control.

- Do not exceed more than 0.5 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing prod-ucts, with no more than 0.45 lb bifenthrin per acre applied after petal fall.

 • Pre-Harvest Interval (PHI): Do not apply within 14 days of harvest.
- Application Interval: Do not make applications less than 30 days apart. • Do not graze livestock in treated orchards or cut treated cover crops for





DEDDERS RELL & NON-RELL

PEPPERS, BELL & NON-BELL			
	USE RATES		
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)	
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Flea Beetle Larvae Grubs Pepper Maggot Root Aghid Root Maggot Stalk Borer¹ True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)	

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow, in-furrow with the seed or transplant, or as a band to the soil surface. Thorough coverage is important for good control.
- ¹Army cutworm, armyworm spp., cutworm spp., stalk borer, true armyworm: Apply broadcast to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Armyworm (Including Beet) Armyworm Fall Armyworm Southern Cabbage Looper Colorado Potato Beetle Corn Earworm Cucumber Beetle Cutworm European Corn Borer Flea Beetle Leafminer Looper Pepper Weevil Plant Bug Stink Bugs Thrips Tomato Hornworm Tomato Pinworm Vegetable Leafminer Whitefly Yellowstriped Armyworm	1.4 - 4.1 (0.033 - 0.10)
Broad Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

- Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage. Thorough coverage is important for good control.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

PEPPERS, BELL & NON-BELL (continued)

Specific Use Restrictions:

- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 7 days of harvest.
- · Application Interval: Do not make applications less than 7 days apart.

ROOT VEGETABLES (EXCEPT SUGAR BEET) SUBGROUP 1B Burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip-rooted; parsnip; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; turnip. (EXCEPT GARDEN BEET)

AT-PLANT, PPI & PRE	USE RATES
	fl oz product/A (lb a.i./A)
Crown and Root Aphids Cutworms Flea Beetles Seedcorn and Root Maggots Wireworms	4.1 (0.10)

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow or in-furrow with the seed. Thorough coverage is important for good control. Refer to At-Plant Application Instructions for application rates at various row spacings.
- Incorporate Bifender FC 3.1 close to the intended seed planting depth.
- PRE Instructions: Apply to the soil surface prior to plant emergence.

FOLIAR	fl oz product/A (lb a.i./A)
Banded Cucumber Beetle Black Flea Beetle Click Beetles Corn Wireworm Cucumber Beetles Flea Beetles Japanese Beetle Grubs May/June Beetles Rootworms Southern Potato Beetle Sugarcane Beetle Sweet Potato Flea Beetle Sweet Potato Weevil Tobacco Wireworm Whitefringed Beetle White Grub	1.4 - 4.1 (0.033 - 0.10)

Foliar Instructions:

 Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 3 or more gallons of spray per acre by aircraft to achieve thor-

- Not for use in California.
- Do not exceed more than 0.5 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 21 days of harvest.
- Application Interval: Do not make applications less than 21 days apart.
- · Do not make more than 2 foliar applications per season.









SOD FARMS

COD 174 IIIIO		
	USE RATES	
FOLIAR	fl oz product/A (lb a.i./A)	fl oz product/1000 ft² (lb a.i./1000 ft²)
Armyworms ¹ Cutworms ¹ Sod Webworm ¹	1.4 - 2.1 (0.033 - 0.05)	0.03 - 0.05 (0.0008 - 0.0012)
Annual Bluegrass Weevil (Hyperodes) ² (Adult) Banks Grass Mite ⁶ Billbugs (Adult) ³ Black Turfgrass Ataenius (Adult) ⁴ Crickets Earwigs Grasshoppers Mealybugs Mites ⁶	2.1 - 4.1 (0.05 - 0.10)	0.05 - 0.09 (0.0012 - 0.0023)
Ants Chinch Bugs ⁵ Japanese Beetle (Adult) Mole Cricket (Adult) ⁷ Mole Cricket (Nymph) ⁸	4.1 - 8.4 (0.10 - 0.20)	0.09 - 0.19 (0.0023 - 0.0047)

Application Instructions:

- Following best local practice, apply as a broadcast treatment. Use higher volumes up to 10 gallons of carrier per 1000 square feet to get uniform coverage when treating dense grass foliage. For best foliage wetting, apply tank-mixed with a compatible surfactant. Thorough coverage is important for good control.
- Irrigation to treated area within a few hours following application can improve efficacy to sub-surface pests including mole crickets.
- Recommended rates should be effective for all pests listed in above table.
 However, if pest populations are extremely high or maximum residual control is required, Bifender FC 3.1 may be applied at a maximum of 0.19 fl oz per 1000 square feet per application.

Specific Pest Instructions:

- ¹ Armyworms, cutworms and sod webworms: Delay watering (irrigation) or mowing for 24 hours after application to ensure optimum control. If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 0.19 fl oz per 1000 square feet per application) may be required during periods of high pest pressure.
- Annual bluegrass weevil (adult): For optimal control, time applications
 to coincide with adult weevil movement from overwintering sites to grass
 areas. Weevil migration time usually begins at Forsythia bloom and ends
 with the full bloom of the flowering dogwood (Cornus florida). Consult with
 your local extension specialist or certified crop advisor for the most accurate
 and up-to-date emergence and application timing.
- Billbug (adult): For best results, apply Bifender FC 3.1 when adults are first observed. Consult with your local extension specialist or certified crop advisor for the most accurate and up-to-date emergence and application timing.
- Black turfgrass Ataenius (adult): In order to control the first and second generations, apply product in May and July. First application should coincide with blooming horse chestnut (Aesculus hippocastanum) and Vanhoutte spirarea (Spiraea vanhoutte). Second (July) application should coincide with Rose of Sharon (Hibiscus syriacus) bloom.

(continued)

SOD FARMS (continued)

Specific Pest Instructions:

- ⁵Chinch bug: Chinch bugs are found in the thatch layer and infest the base of grass plants. To optimize penetration of Bifender FC 3.1 to chinch big location, irrigate (water) grass after treatment. If grass area is being maintained at a long mowing height or if thatch layer is excessive, apply at a higher volume. High application rates (up to 0.19 fl oz per 1000 square feet per application) can be used to control difficult midsummer nymph and adult nonulations.
- Mites: For optimal control, a second application, five to seven days after the first, may be necessary.
- *Mole cricket (adult): For best results on this very active insect pest, apply as late in the day as possible. Water grass after treatment with up to 0.5 inches of water. If soil is dry, irrigate before treatment to bring insects closer to the surface and insecticide treatment. Treat at peak egg hatch to ensure larvae are suppressed at hatch. Consult with your local extension specialist or certified crop advisor for the most accurate and up-to-date emergence and application timing.
- *Mole cricket (nymph): If areas were under high mole cricket pressure in the spring, then treat immediately before peak egg hatch. Emerging insect nymphs are both close to soil surface and more susceptible to insecticide, while older and larger nymphs cause more damage and are more difficult to control. Higher application rates and more frequent applications may need to be made to control the older nymphs. For best results, apply as late in the day as possible, and water grass after treatment with up to 0.5 inches of water. If soil is dry, irrigate before treatment to bring insects closer to the surface and insecticide treatment.

- Not for use in California.
- In New York State, this product may not be applied to turf within 100 feet of a coastal marsh or of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- In New York State, do make a single repeat application of this product if there
 are signs of renewed insect activity, but not sooner than two weeks after the
 first application.







SOYBEANS

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Rootworm (Larvae)	3.3 - 4.1 (0.08 - 0.10)	0.19 - 0.24 (0.0046 - 0.0057)
Army Cutworm¹ Armyworm spp.¹ Bean Leaf Beetle (Larvae) Cutworm spp.¹ Grape Colaspis GrubsRoot Maggot Seed Corn Beetle Seed Corn Maggot True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow, in-furrow with the seed, or as a banded spray over the soil surface. Thorough coverage is important for good control.
- ¹Army cutworm, armyworm spp., cutworm spp., true armyworm: For best results apply broadcast to soil surface.

PRE-PLANT INCORPORATED (PPI)	fl oz product/acre (lb a.i./acre)
Armyworm spp. Black Cutworm Seedcorn Maggot White Grub Wireworm	1.9 - 2.6 (0.047 - 0.062)

Incorporate Bifender FC 3.1 close to seed planting depth and no deeper than 3 inches.

PRE-EMERGENCE	fl oz product/acre
(PRE)	(lb a.i./acre)
Armyworm spp. Black Cutworm Stalk Borer	1.7 (0.04)

PRE Instructions:

Apply to the soil surface prior to plant emergence.		
FOLIAR	fl oz product/A (lb a.i./A)	
Alfalfa Caterpillar Aphids Armyworms¹ Bean Leaf Beetle Blister Beetle spp. Corn Earworm Corn Rootworm (Adult) Cowpea Curculio Cucumber Beetles (Adult) Cutworms Dectes Stem Borer	1.4 - 4.1 (0.033 - 0.10)	

SOYBEANS (continued)

USE RATES	
FOLIAR	fl oz product/A (lb a.i./A)
False Chinch Bug Flea Beetle Grasshoppers Green Cloverworm Hornworms Imported Cabbage- worm Japanese Beetle (Adult) Leaf Skeletonizer spp. Leafminers (Adult) Lesser Cornstalk Borer Loopers Mexican Bean Beetle Painted Lady (Thistle) Caterpillar Pea Leaf Weevil Saltmarsh Caterpillar Seedcorn Maggot (Adult) Silverspotted Skipper Spittlebug Stink Bug Three-Cornered Alfalfa Hopper Thrips Tobacco Budworm¹ Velvetbean Caterpillar Webworm Woollybear Caterpillar	1.4 - 4.1 (0.033 - 0.10)
Lygus Species Whitefly Two Spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

- Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- ¹Armyworms, tobacco budworm: Please consult your local or state agricultural authority to determine if pyrethroid resistance is present in armyworm, or tobacco budworm populations in your area. If so refer to the resistance management section of this label.

Specific Use Restrictions:

- Not for use in California.
- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.3 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 18 days of harvest.
- Application Interval: Do not make applications less than 30 days apart.





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SUCCULENT SHELLED PEA AND BEAN SUBGROUP 6B & EDIBLE-PODDED LEGUME SUBGROUP 6A

Bean (Phaseolus spp.) (includes broad bean (succulent), lima bean (green), runner bean, snap bean, wax bean); bean (Vigna spp.) (includes asparagus bean, blackeyed pea, Chinese longbean, cowpea, moth bean, southern pea, yardlong bean); jackbean; pea (Pisum spp.) (includes dwarf pea, edible-pod pea, English pea, garden pea, green pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed); sword bean; including all cultivars, varieties and/or hybrids of these.

		USE RATES
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Corn Rootworm (larvae)	3.3 - 4.1 (0.08 - 0.10)	0.19 - 0.24 (0.0046 - 0.0057)
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Grape Colapsis Grubs Root Maggot True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0023 - 0.0046)

At-Plant Instructions

- Following best local practice, apply T-band over an open furrow, in-furrow as a spray, or as a banded spray over the row targeting the plant bases and surrounding soil. Thorough coverage of these areas is important for good control.
- ¹Army cutworm, armyworm spp., cutworm spp., true armyworm: Apply broadcast to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Aster Leafhoppers Flea Beetle Grasshoppers Leafhoppers	1.0 - 4.1 (0.025 - 0.10)
Alfalfa Caterpillar Aphids Bean Leaf Beetle Beet Armyworm Cloverworm Corn Earworm Corn Earworm Corn Earworm European Corn Borer Fall Armyworm Japanese Beetle (Adult) Loopers Pea Leaf Weevil Pea Weevil Plant Bug Sap Beetle Stink Bug Southern Armyworm Tarnished Plant Bug Thrips Webworms Western Bean Cutworm Whitefly	1.4 - 4.1 (0.033 - 0.10)

SUCCULENT SHELLED PEA AND BEAN SUBGROUP 6B & EDIBLE-PODDED LEGUME SUBGROUP 6A (continued)

	USE RATES
FOLIAR	fl oz product/A (lb a.i./A)
Banks Grass Mite Carmine Mite Lygus Species Two spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

- Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 2 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- When applying by air, 1-2 quarts of emulsified oil may be substituted for equivalent amounts of water in the finished spray. Thorough coverage is important for good control.

- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- For succulent beans and succulent or dry peas do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- For dried beans do not exceed more than 0.3 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): For succulent beans and peas do not apply within 3 days of harvest; for dry beans and peas do not apply within 14 days of harvest
- Application Interval: For succulent beans and peas do not make applications less than 3 days apart; for dry beans and peas do not make applications less than 7 days apart.







SPINACH

	USE RATES	
AT-PLANT	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)
Rootworm (Larvae) Garden Symphylans	3.3 - 4.1 (0.08 - 0.10)	0.19 - 0.24 (0.0046 - 0.0057)
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Grubs Root Maggot Seed Corn Maggot True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0024 - 0.0046)

- Apply as a 5 to 7 inch T-band over an open furrow, in-furrow with the seed, or banded spray over the soil surface. Thorough coverage is important for
- good control.

 ¹Army cutworm, armyworm spp., cutworm spp., true armyworm: Apply broadcast to soil surface.

FOLIAR	fl oz product/A (lb a.i./A)
Armyworms Colorado Potato Beetle Corn Earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafminers Loopers Pepper Weevil Thrips Tomato Hornworm Tomato Pinworm Whitefly¹	1.4 - 4.1 (0.033 - 0.10)
Broad Mite Banks Grass Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

- Apply Biffender FC 3.1 in 10-50 or more gallons of spray per acre by ground equipment, or 5-50 or more gallons of spray per acre by aircraft to achieve thorough coverage.
- Whitefly: apply foliar treatments of Bifender FC 3.1 by group or air at rates of up to 0.1 lb active per acre per application at minimum 7-day intervals up to a maximum of 4 applications.

- Specific Use Restrictions:

 Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.4 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 40 days of harvest. Application Interval: Do not make applications less than 7 days apart.

TOBACCO

	TRANSPLANT	USE RATES		
		fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)	
	Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Mole Cricket Stalk Borer White Grubs Wireworm	1.7 - 4.1 (0.04 - 0.10)	0.09 - 0.24 (0.0024 - 0.0057)	

Pre-Transplant Instructions:

• Use of suitable equipment to incorporate into top 4 inches of the soil is required to control below ground pests.

At-Transplant Instructions:

 Apply 0.0625 to 0.1 lb a.i./Acre per application in a water treatment application volume of 10 to 200 gal/A.

FOLIAR PESTS	fl oz product/A (lb a.i./A)
Aphid spp.¹ Armyworm spp. Chinch Bugs Cutworm spp. Flea Beetle (Adult) Grasshoppers	1.7 - 4.1 (0.04 - 0.1)
Hornworm Tobacco Budworm	3.3 - 4.1 (0.08 - 0.10)
Lygus spp. Spider Mites	4.1 (0.10)

Foliar Instructions:

- Apply 0.04 to 0.10 lb ai/acre per foliar application up to, and including, layby in 10 or more gallons per acre for thorough control.
 ¹Aphid spp.: See the Resistance Management Recommendations section.

- Not for use in California.
- Do not exceed more than 0.2 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply later than layby. Do not make more than 2 foliar applications per season.





TOMATOES, TOMATILLOS, & GROUNDCHERRIES

TOMATOLO, TOMATILLOO, & GITOOTEDOTILITALEO				
AT-PLANT	USE RATES			
	fl oz product/A (lb a.i./A)	fl oz product/1000 row ft @ 30" rows (lb a.i./1000 row ft)		
Army Cutworm¹ Armyworm spp.¹ Cutworm spp.¹ Flea Beetle (Larvae) Grubs Root Maggot Stalk Borer True Armyworm¹ Wireworm	1.7 - 3.3 (0.04 - 0.08)	0.09 - 0.19 (0.0024 - 0.0046)		

At-Plant Instructions:

- Apply as a 5 to 7 inch T-band over an open furrow, in-furrow with the seed, or banded spray over the soil surface. Thorough coverage is important for
- good control.

 May also be applied through transplant water at the time of transplanting.

		armyworm			
Apply broa	adcast to	soil surface.			

FOLIAR PESTS	fl oz product/A (lb a.i./A)
Aphids Armyworms (Beet Armyworms, Fall Army- worm, Southern Yellow- striped Armyworm) Bean Leaf Beetle Cabbageworm Carmine Mite Cloverworm Corn Rootworm Corn Barworm Corn Beetles Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hopper Grasshopper Japanese Beetle (Adult) Leafhoppers Loopers Lygus spp. Melonworm Pea Weevil Pea Leaf Weevil Pickleworm Plant Bug Rindworm Salt March Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Two-spotted Spider Mite Whitefily	1.4 - 3.3 (0.033 - 0.08)

TOMATOES, TOMATILLOS, & GROUNDCHERRIES (continued)

FOLIAR PESTS	USE RATES
	fl oz product/A (lb a.i./A)
Two-spotted Spider Mite	3.3 - 4.1 (0.08 - 0.10)

Foliar Instructions:

 Apply Bifender FC 3.1 in 10-50 or more gallons of spray per acre by ground equipment, or 5-50 or more gallons of spray per acre by aircraft to achieve thorough coverage.

Specific Use Restrictions:

- Not for use in California
- Do not apply more than 0.1 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.4 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 1 days of harvest
- Application Interval: Do not make applications less than 10 days apart.

TREE NUTS CROP GROUP 14-12

African nut-tree; almond; beech nut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; okari nut; pachira nut; peach palm nut; pecan; pequi; pili nut; pine nut; pistachio; sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; including all cultivars, varieties and/or hybrids of these.

	USE RATES
FOLIAR	fl oz product/A (lb a.i./A)
Black Pecan Aphid Codling Moth Filbert Worm Hickory Shuckworm Leaf-footed Bugs Navel Orangeworm Oblique Banded Leafroller Peach Twig Borer Pecan Leaf Casebearer Pecan Nut Casebearer Pecan Phylloxera Plant Bugs Stink Bugs Walnut Aphid	2.1 - 8.3 (0.05 - 0.20)
European Red Mite Pecan Weevil Spider Mite spp.	3.3 - 8.3 (0.08 - 0.20)
Walnut Husk Fly	4.1 - 8.3 (0.10 - 0.20)

Foliar Instructions:

Apply Bifender FC 3.1 in 50 or more gallons of spray per acre by ground equipment as a concentrate, 200 or more gallons of spray by ground equipment as a dilute, or 10 or more gallons of spray per acre by aircraft to achieve thorough coverage. Thorough coverage is important for good control.







TREE NUTS CROP GROUP 14-12 (continued)

Specific Use Restrictions:

- Do not exceed more than 0.5 lb bifenthrin per acre per season including at-plant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 21 days of harvest for pecans, or 7 days for all other tree nut crops.

 • Application Interval: Do not make applications less than 15 days apart.
- · Do not graze livestock in treated orchards or cut treated cover crops for feed

TUBEROUS AND CORM SUBGROUP 1C

Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; yam, true; including all cultivars, varieties and/or hybrids of these.

AT-PLANT	USE RATES
	fl oz product/A (lb a.i./A)
Grape Colaspis Rootworms Sweet Potato Flea Beetle White Grubs Wireworms	6.2 - 12.4 (0.15 - 0.30)

At-Plant Instructions:

 Apply as a soil incorporated broadcast, directed bed spray, or T-band spray into the planting furrow in a minimum of 10 gallons of spray per acre. Thorough coverage is important for good control. Refer to **At-Plant Application** Instructions for application rates at various row spacings.

LAY-BY	fl oz product/A (lb a.i./A)
Grape Colaspis Rootworms Wireworms White Grubs	6.2 - 12.4 (0.15 - 0.30)

Lay-By Instructions:

 Bifender FC 3.1 may be applied as one or more soil directed and incorporated treatments at cultivation or lay-by. Apply Bifender FC 3.1 to the drill area and incorporate by cultivation equipment set to throw soil towards the drill area. Apply Bifender FC 3.1 in 10 or more gallons of spray per acre to achieve thorough coverage.

PRE-PLANT INCORPORATED (PPI)	fl oz product/A (lb a.i./A)	
Grape Colaspis Rootworm Sweet Potato Flea Beetle White Grub Wireworm	6.2 - 12.4 (0.15 - 0.30)	

 Apply Bifender FC 3.1 to the planting area as a broadcast application or a banded application prior to planting and incorporate to the planting depth. Apply Bifender FC 3.1 in 10 or more gallons of spray per acre to achieve thorough coverage.

(continued)

TUBEROUS AND CORM SUBGROUP 1C (continued)

	USE RATES
FOLIAR	fl oz product/A (lb a.i./A)
Banded Cucumber Beetle Black Flea Beetle Click Beetles Corn Wireworm Cucumber Beetles Hea Beetles Japanese Beetle Grubs May/June Beetles Rootworms Southern Potato Beetle Sugarcane Beetle Sweet Potato Flea Beetle Sweet Potato Weevil Tobacco Wireworm Whitefringed Beetle White Grub	1.4 - 4.1 (0.033 - 0.10)

Foliar Instructions:

· Apply Bifender FC 3.1 in 10 or more gallons of spray per acre by ground equipment, or 3 or more gallons of spray per acre by aircraft to achieve

- Not for use in California
- · Do not apply more than 0.3 pounds bifenthrin per acre per season as an at-plant application.
- Do not exceed more than 0.5 lb bifenthrin per acre per season including atplant, PRE, PPI, and foliar applications from all bifenthrin containing products.
- Pre-Harvest Interval (PHI): Do not apply within 21 days of harvest.
- Application Interval: Do not make applications less than 21 days apart.
- Do not make more than 2 foliar applications per season.







STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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 on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

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 of the nearest EPA Regional Office for guidance.

Container Handling:

Metal or Plastic Container less than or equal to 5 gallons

Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ½ 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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

IMPORTANT INFORMATION READ BEFORE USING PRODUCT

Conditions of Sale and Limitation of Warranty and Liability:

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

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Vive Crop Protection or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Vive Crop Protection and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VIVE CROP PROTECTION MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT.

Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Vive Crop Protection, and Buyer assumes the risk of any such use.

To the extent consistent with applicable law, Vive Crop Protection or Seller shall not 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 VIVE CROP PROTECTION 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 VIVE CROP PROTECTION OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement except as signed by an authorized representative of Vive Crop Protection.

Bifender, Allosperse, and Vive Crop Protection are registered trademarks of Vive Crop Protection Inc.

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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 INSECTICIDE

Bifender® FC 3.1 Insecticide

Bifender FC 3.1 is a versatile, broad-spectrum insecticide that can be mixed directly with liquid fertilizers for control of insect and mite pests on agricultural crops. It can be applied as a PPI, at-plant, PRE, or as a foliar application.

Active Ingredient:	By W
Bifenthrin: (2 methyl [1,1'-biphenyl] 3-yl) methyl 3-	
(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-	
dimethyl- cyclopropanecarboxylate*	34.0 %
Other Ingredients:	66.0 %
TOTAL	100.0 %

*Cis isomers 97% minimum, trans isomers 3% maximum.

This product contains 3.1 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

This label must be in the possession of the user at the time of application. See inside booklet for additional precautionary information.

EPA Reg. No. 89118-13

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

FIRST AID: If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

Note to physician: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

Net Contents: 21/2 Gallons

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In the event of a medical or chemical emergency contact Chemtel Inc. in North America at 1-800-255-3924 or worldwide international at +1-813-248-0585.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. 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 make applications 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 while bees are foraging in the treatment area.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

STORAGE AND DISPOSAL

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

Pesticide Storage:

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Pesticide Disposal

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

Vive Crop Protection Inc. 500 Westover Dr #10198 Sanford, NC 27330 1-888-760-0187





