



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 5, 2026

Jordan Moseley
Regulatory Affairs Manager
AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660

Subject: Label Amendment - Registration Review Mitigation for Bifenthrin
Product Name: DISCIPLINE 2EC
EPA Registration Number: 5481-517
Case Number: 474494
Application Date: March 24, 2021

Dear Jordan Moseley:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Bifenthrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Meaghan Robertson by phone at 202-566-0169, or via email at robertson.meaghan@epa.gov.

Sincerely,



Cathryn Britton
Chief, Risk Management and Implementation
Branch V
Pesticide Re-evaluation Division (7508M)
Office of Pesticide Programs

ENCLOSURE: Stamped label

{Note to reviewer: Text in curly brackets { } indicate a note to the EPA reviewer and will not appear on the label. Text in brackets [] is optional, and may or may not appear on the end use label. Text in parentheses () will appear on the end use label.}

{NOTE TO REVIEWER:}

THIS IS A MASTER LABEL FOR DISCIPLINE 2EC
SUB-LABEL A CONTAINS CROP USES
SUB-LABEL B CONTAINS NON-CROP USES}

ACCEPTED

02/05/2026

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under
EPA Reg. No. 5481-517

SUB-LABEL A

RESTRICTED USE PESTICIDE

Toxic 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.

BIFENTHRIN	GROUP	3A	INSECTICIDE
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DISCIPLINE 2EC[®]

For use on artichokes, beans, brassicas, brassica vegetables, bushberries, caneberries, canola, christmas trees, cilantro, citrus, conifer seed orchards, coriander, corn, cotton, crambe, cucurbits, eggplant, field corn, garden beets, grapes, grasses, head lettuce, hops, leafy brassicas, leafy petiole vegetables, mayhaw, okra, peanuts, pears, peas, peppers, popcorn, rapeseed, root crops (except sugar beets), soybeans, spinach, succulent peas and beans, sweet corn, tobacco, tomatoes, tree nuts and tuberous vegetables, turnip greens and corm vegetables to control listed insects/pests and mites.

ACTIVE INGREDIENT:

Bifenthrin

(2-methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-
2,2-dimethyl-cyclopropanecarboxylate* 25.1%

INERT INGREDIENTS** 74.9%

TOTAL 100.0%

Contains petroleum distillate

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

**Contains xylene range aromatic solvents.

This product contains 2 pounds active ingredient per gallon.

For Outdoor Use Only.

KEEP OUT OF REACH OF CHILDREN
WARNING - AVISO

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

See inside booklet for complete Precautionary Statements, Directions for Use, and Storage and Disposal. .

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

EPA Reg. No. 5481-517

Net Contents: _____

EPA Est. No. _____



AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660 U.S.A.
1-888-462-6822

[Made in USA]

{Note for reviewer. Below is for QR code and pointer text placeholder}

[Scan for Spanish/Escaneer para español

(PLACE QR CODE HERE)]

FIRST AID	
If swallowed	<ul style="list-style-type: none">Call a poison control center or doctor immediately for treatment advice.Do not give any liquid to the person.Do not induce vomiting unless told to do so by the poison control center or doctor.Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">Move person to fresh air.If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none">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 eye.Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
For Medical Emergencies phone:1-888-681-4261	
For Transportation Emergencies, including spill, leak or fire, phone: CHEMREC®1-800-424-9300	
For Product Use Information phone: AMVAC®1-888-462-6822	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided. Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the dilute product through application or other tasks must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, or Viton[®] \geq 14 mils
- Shoes plus socks.

Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks, and
- Protective eyewear.

Mixers and loaders supporting aerial applications to cotton must wear at a minimum:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

Mixers, loaders, and applications using mechanically pressurized handguns for applications to tobacco must wear at a minimum:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

Mixers, loaders, and applications using mechanically pressurized handguns for applications to tuberous and corm vegetables must wear at a minimum:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not 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 if bees are visiting the treatment area. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.**

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 AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

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

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

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

- Coveralls,
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils
- Shoes plus socks.

Mixers and loaders supporting aerial applications to cotton must wear at a minimum:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

Mixers, loaders, and applications using mechanically pressurized handguns for applications to tobacco must wear at a minimum:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

Mixers, loaders, and applications using mechanically pressurized handguns for applications to tuberous and corm vegetables must wear at a minimum:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

{NOTE TO REVIEWER – The Chemigation Use Directions will appear on commercial labels when crops are included that allow for application of pesticide by means of chemigation. If the commercial labels only contain crops for which application is not done by means of chemigation, the statement “Do not apply using chemigation” will be used instead of the Chemigation Use Directions.}

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.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment. Product should be applied continuously for the duration of the water application. Product should be diluted in sufficient volume to ensure accurate application over the area to be treated. When using chemigation, a minimum of 0.50 inch per acre of irrigation water is recommended. Agitation generally is not required when a suitable diluent is used. A diluent test should be conducted to ensure that phase separation will not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable control.

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.

Tank-Mixture

Product may be applied in tank mixtures with other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products. Test for compatibility of products before mixing.

Application Instructions

Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower rates under light to moderate infestations; higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

Mix product with water or fertilizer in the following manner. Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of product, and then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

Applications of this product alone or in recommended tank mixtures, in conjunction with liquid starter or pop-up fertilizers may be used. A jar compatibility test should be performed with the appropriate ratio of Discipline 2EC and fertilizer prior to use. Constant agitation should be maintained during mixing and application. If the mixture sits overnight, thoroughly agitate before use.

Apply as a T-band treatment over an open seed furrow, in-furrow with the seed or as a broadcast soil application. Position the spray nozzle behind the planter shoe, in front of the press wheel centered over the row. Use the crop tables below to determine the product needs per acre. Apply in a minimum of 3 gallons of finished spray per acre.

{NOTE TO REVIEWER: The following New York-related statement will be included on commercial labels that allow for aerial product application}

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.

-OR-

{NOTE TO REVIEWER: The following New York-related statement will be included on commercial labels that do not allow for aerial product application}

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

Maximum Allowable Use of Bifenthrin Per Acre Per Season

Refer to the individual crop sections for maximum allowable product usage per acre per season. The maximum allowable use must include all registered use patterns including at plant, soil applied, and/or foliar applications for a 12 month period. The 12 month period is to begin upon the initial application to the acre.

VEGETATIVE FILTER STRIPS

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

Only apply products containing bifenthrin onto fields where a maintained vegetative filter strip of at **least 25 feet** exists between the field edge and where a down gradient aquatic habitat exists. This minimum required width of 25 feet may be reduced or removed under the following conditions:

- For Western irrigated agriculture, a maintained vegetative filter strip of at least 10 feet wide is required. Western irrigated agriculture is defined as irrigated farmland in the following states: WA, OR, CA, ID, NV, UT, AZ, MT, WY, CO, NM, and TX (west of I-35).

- o For Western irrigated agriculture, if a sediment control basin is present, a vegetative filter strip is not required.
- In all other areas, a vegetative filter strip with a minimum width of 25 feet is required, unless the following conditions are met. The vegetative filter strip requirement may be reduced from 25 feet to 15 feet if at least one of the following applies:
 - o The area of application is considered prime farmland (as defined in 7 CFR § 657.5).
 - o Conservation tillage is being implemented on the area of application. Conservation tillage is defined as any system that leaves at least 30% of the soil surface covered by residue after planting. Conservation tillage practices can include mulch-till, no-till, or strip-till.
 - o A functional terrace system is maintained on the area of application.
 - o Water and sediment control basins for the area of application are functional and maintained.
 - o The area of application is less than or equal to 10 acres.

For further guidance on vegetative filter strips, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. <https://www.regulations.gov/document?D=EPA-HQ-OPP-2008-0331-0175>

Buffer Zones

Ground Application

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).

{NOTE TO REVIEWER: The following Buffer Zone for Aerial Applications paragraphs will not be included on commercial labels that prohibit aerial application:}

Ultra Low Volume 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). Applications made by mosquito control districts and other public health officials are exempt from this requirement.

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).

SPRAY DRIFT MANAGEMENT

AERIAL APPLICATIONS

MANDATORY SPRAY DRIFT MANAGEMENT

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S641).
- Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the wind speed is 10 mph or less, applicators must use $\frac{1}{2}$ swath displacement upwind at the downward edge of the field. When windspeed is between 11-15 miles per hour, applicators must use $\frac{3}{4}$ swath displacement upwind at the downwind edge of the field.
- Do not apply during temperature inversions.

AIRBLAST APPLICATIONS

MANDATORY SPRAY DRIFT MANAGEMENT

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- Do not apply during temperature inversions.

GROUND BOOM APPLICATIONS

MANDATORY SPRAY DRIFT MANAGEMENT

- Users must only apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON TARGET SITES AND ENVIRONMENTAL CONDITIONS.

HANDHELD TECHNOLOGY APPLICATIONS

- Take precautions to minimize spray drift.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- **Volume** – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

- Adjust nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

Boom Height - Ground Boom

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

Release Height - Aircraft

- Higher release heights increase the potential for spray drift.

Shielded Sprayers

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature and Humidity

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversions

- Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Non-target organism Advisory Statement (Environmental Hazards):

- This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and checking to confirm hive locations before spraying. For additional resources on pollinator best management practices, visit <https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators>.

Managed pollinator protection plans are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators.

How to Report Bee Kills

It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at beekill@epa.gov. To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website: http://npic.orst.edu/reg/state_agencies.html

Resistance Management

For resistance management, Discipline 2EC contains bifenthrin, a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Discipline 2EC and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same locations. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take one or more of the following steps:

- Rotate the use of Discipline 2EC or other Group 3 insecticides within the year with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of the mixture. In addition, consider the following recommendations from the Insect resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pests.
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greater if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated insect management program for insecticide use that includes scouting, uses historical information related to pesticide use record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or pest control advisor for any additional pesticide resistance-management and/or IPM recommendations for specific site and pest problems in your area.

For further information or to report suspected resistance contact AMVAC at (1-888-462-6822). You can also contact your pesticide distributor or university extension specialist to report resistance.

CROP USE DIRECTIONS

ARTICHOKE (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Artichoke Plume Moths Cribate Weevils	Foliar	6.40	0.10
REMARKS			
Apply this product when pest population reaches damaging threshold and repeat as necessary to maintain control, but not more often than 15 day intervals.			
Application by ground: Apply a full cover spray in a minimum of 75 gallons of finished spray per acre.			
Application by air: Apply specified dosage in a minimum of 10 gallons per acre.			
RESTRICTIONS			
Do not exceed 0.50 lb bifenthrin per acre per season.			
Do not apply within 5 days of harvest.			

BEANS & PEAS (DRIED) (AT PLANT USE)

Dried cultivars of: Bean (*Lupinus*); Bean (*Phaseolus*), Field bean, Kidney bean, Lima bean (dry), Navy bean, Pinto bean, Tepary bean; Bean (*Vigna*), Adzuki bean, Blackeyed pea, Catjang, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean; Broad bean (dry), Chickpea, Guar, Lablab bean, Lentil; Pea (*Pisum*), Field pea, Pigeon pea.

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworm species (including True*) Cutworm species (including Army*) Grape Colaspis Grubs Root Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Corn Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10
REMARKS				
Apply as a 5-7 inch band over the row on the soil surface, 5-7 inch T-band over the open seed furrow, or in-furrow with the seed.				
*Cutworm and Armyworm treatments may be applied as broadcast applications to the soil surface.				
RESTRICTIONS				
Do not apply more than 0.10 lb bifenthrin per acre per season as an at plant application.				
Do not apply more than 0.20 lb bifenthrin to peas or 0.30 lb bifenthrin to beans per acre per season including at plant plus foliar applications of all bifenthrin products.				

BRASSICA 'HEAD AND STEM' VEGETABLES (AT PLANT USE)

'Head and Stem' Brassica Vegetables including: Broccoli, Chinese, Broccoli (gai lan, white flowering broccoli), Brussels Sprouts, Cauliflower, 'Cavalo' broccoli, Kohlrabi, Cabbage, Chinese cabbage (napa), and Chinese mustard cabbage (gai choy).

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* Cabbage Maggots Cutworms* (including Army)* Grubs Root Aphids Root Maggots Seedcorn Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10

REMARKS

Apply as a 5-7 inch T-band over the open seed furrow, or in-furrow with the seed.

*Cutworm and Armyworm treatments may be applied as broadcast applications to the soil surface.

RESTRICTIONS

Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

BRASSICA 'HEAD AND STEM' VEGETABLES (FOLIAR USE) Head and Stem Brassica Vegetables including:
Broccoli, Chinese Broccoli (gai lan, white flowering broccoli), Brussels Sprouts, Cauliflower, 'Cavalo' broccoli, Kohlrabi, Cabbage, Chinese Cabbage (napa), Chinese Mustard Cabbage (gai choy)

[**OPTIONAL:** (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	2.10-6.40	0.03-0.10
Armyworms			
Corn Earworms			
Crickets			
Cucumber Beetles			
Cutworms			
Diamondback Moths			
Flea Beetles			
Ground Beetles			
Imported Cabbageworms			
Leafhoppers			
Loopers			
Saltmarsh Caterpillars			
Stink Bugs			
Thrips			
Tobacco Budworms			
Whiteflies			
Wireworm (adults)			
Mites (Banks Grass, Twospotted, Carmine and Pacific Spider)	Foliar	5.12-6.40	0.08-0.10
Plant Bugs (<i>Lygus</i> species)			

REMARKS

Apply this product in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

Do not make more than 5 applications after bloom.

Do not make applications less than 7 days apart.

Do not apply within 7 days of harvest.

BRASSICA LEAFY VEGETABLES, TURNIP GREENS (AT PLANT USE)

Broccoli raab, Bok choy, Collard, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip and Turnip greens.

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True*) Cutworms* (including Army*) Grubs Lettuce Root Aphids Root Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10
REMARKS				
Apply as a 5-7 inch band over the row on the soil surface, a 5-7 inch T-band over the open furrow, or in-furrow with the seed.				
*Apply broadcast to the soil surface for control of Army Cutworm, Armyworms, Cutworms, or True Armyworm.				
RESTRICTIONS				
Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.				
Do not apply more than 0.40 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

BUSHBERRIES (FOLIAR USE)

Blueberry, highbush and lowbush, Currant, Elderberry, Gooseberry, Huckleberry

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Blueberry Maggots Fruitworms Lecanium Scale (Crawlers) Leafhoppers Obliquebanded Leafrollers Plum Curculios Red banded Leafrollers Spanworms Variegated Leafrollers	Foliar	2.56 - 6.40	0.04 - 0.10
Mites (Banks Grass, Twospotted Spider, Carmine and Pacific Spider) Plant Bugs (<i>Lygus</i> species)	Foliar	5.12 - 6.40	0.08 - 0.10

REMARKS

Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons finished spray per acre with ground equipment. Thorough coverage is essential to achieve control.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season.

Do not make applications less than 7 days apart.

Do not apply within 1 day of harvest.

CANEBERRIES

Caneberries including: Blackberries, Bingleberries, Dewberries, Lowberries, Marionberries, Olallieberries, Youngberries, Loganberries, Raspberries

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Leafrollers	Foliar	3.20-6.40	0.05-0.10
Orange Tortrix			
Root Weevils			
Spider Mites	Foliar	6.40	0.10
REMARKS			
Apply this product by air or ground equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons per acre by air and 50 gallons per acre by ground).			
One application may be made pre-bloom and a second application may be made post-bloom.			
RESTRICTIONS			
Do not apply within 3 days of harvest.			
Do not exceed 0.20 lb active ingredient per acre per season.			

CANOLA, CRAMBE, RAPSEED (FOLIAR USE)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids			
Armyworms			
Cutworms			
Diamondback Moths			
Flea Beetles			
Flea Hoppers			
Grasshoppers			
Loopers			
Other <i>Lepidopterous</i> Larvae			
Plant Bugs (<i>Lygus</i> species)			
Stink Bugs			
Seedpod Weevils			
Thrips			
Whiteflies			

REMARKS

Apply this product in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

RESTRICTIONS

Do not apply more than 0.08 lb active ingredient (5.12 fluid ounces) per acre per season.

Do not make applications less than 14 days apart.

Do not apply within 35 days of harvest.

CHRISTMAS TREES (FOLIAR USE)

NOTE: Only for use in the States of Washington and Oregon

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Root Weevil Spruce Spider Mite	Foliar	3.90-6.40	0.06-0.10
REMARKS			
Apply this product in a minimum of 5 gallons of finished spray per acre by air or in a minimum of 20 gallons per acre with ground equipment. Not all species and varieties have been tested. Prior to full scale application, treat a few plants for observation.			
RESTRICTIONS			
Do not apply more than 0.10 lb active ingredient per acre per application.			
Do not make more than 2 foliar applications of bifenthrin per season.			
Do not make applications less than 21 days apart.			

CILANTRO & CORIANDER (AT PLANT USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworm species	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Cutworm species				
Flea Beetle Larvae				
Wireworms				
REMARKS				
Apply as a 5-7 inch band over the row on the soil surface, 5-7 inch T-band over the open seed furrow, in-furrow with the seed or broadcast to the soil surface.				
RESTRICTIONS				
Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.				
Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

CITRUS (Bare Soil Surface Under Drip Line)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Cockroaches, Asian Fire Ants	Bare Soil Surface Under Drip Line	6.40 - 16.00	0.10 - 0.25
Blue-Green Citrus Root Weevils Brown Leaf Notchers <i>Diaprepes</i> Root Weevils Little Leaf Notchers Southern Blue-Green Citrus Root Weevils, other	Bare Soil Surface Under Drip Line	16.00 - 32.00	0.25 - 0.50

REMARKS

Apply product by ground equipment to bare soil beneath citrus trees. Product must be uniformly applied from the trunk to the drip line of tree; apply in a minimum of 40 gallons of dilute spray per acre. Greater spray volume should ensure greater uniformity of coverage. Pre and post application irrigation may aid in the uniformity of coverage as well.

Product protects citrus tree roots from *Diaprepes* and other citrus root weevil feeding by forming a barrier which provides contact activity on newly hatched larvae (neonates). As citrus root weevil eggs hatch in new foliage, neonates fall to the soil surface beneath the tree and come in contact with this product as they attempt to burrow into the root zone. Disturbance of the soil beneath trees should be minimized.

Timing of product application is critical. Current information suggests that peak emergence of adult *Diaprepes* Weevil varies by citrus growing region and these emergence peaks can be dramatically affected by environmental factors, such as soil moisture. Typically, two peaks are observed for *Diaprepes*, first in spring then late summer or early fall. Southern Blue-Green and Blue-Green Citrus Weevils typically exhibit a single emergence peak in the spring. Brown and Little Leaf Notchers typically exhibit three emergence peaks, spring and summer and fall. Since emergence varies seasonally and by location, timing of product application can be accurately forecasted by observing adults. Adults are most active early morning and late afternoon; numbers can be estimated by trapping throughout spring and summer (emergence periods). Egg laying will occur for 8 to 10 weeks following adult emergence from the soil; larval invasion of the soil will begin 2 – 3 weeks following adult emergence. It is critical to have the product soil barrier in place prior to drop of the neonates.

This product is one of several effective tools in an integrated pest management program for citrus root weevils. Application of this product should be used in conjunction with good cultural practices, biological control of larvae and foliar control of adults. Consult local university extension personnel for current information to protect citrus trees from Citrus Root Weevils and other pests.

ADDITIONAL INFORMATION

Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer.

Peak emergence of *Diaprepes* root weevil generally occurs in the spring. Depending on weather conditions, a minor emergence of *Diaprepes* root weevil may also occur in the fall.

If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 32 fluid ounces per acre of formulated product should be used to obtain the longest residual management of *Diaprepes* root weevil.

If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, 16 fluid ounces per acre of formulated product can be applied early season and 16 fluid ounces per acre of formulated product can be applied later in the season.

RESTRICTIONS

Do not apply through irrigation systems.

Do not allow any application of this product to contact fruit or foliage.

Do not apply more than a total of 32 fluid ounces of formulated product (0.50 lb active ingredient) per acre per year.

Apply the specified dosage in a minimum of 40 gallons of finished spray per acre.

Ground application only.

Do not apply by air.

Do not apply within 1 day of harvest.

CONIFER SEED ORCHARDS (FOLIAR USE)

NOTE: Only For use in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, South Carolina, Tennessee, Texas and Virginia.

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Cone Worms		6.40-12.80	0.10-0.20
Seed Bugs	Foliar		

Seed Worms			
REMARKS			
Apply recommended dosage in 100-500 gallons of water per acre by ground and in 10 gallons of water or 0.50 gallons of refined vegetable oil per acre by air. Thorough coverage is essential. Begin application 7 days after peak pollen flight and continue on 30 day intervals up to a maximum of 0.60 lb active ingredient per acre per season.			
RESTRICTIONS			
Do not apply more than 0.60 lb active ingredient per acre per season. Do not make more than 6 applications per season. Do not make applications less than 30 days apart.			

CORN, FIELD (GRAIN AND SILAGE), FIELD CORN GROWN FOR SEED, POPCORN (AT PLANT USE)				
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]				
PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre** (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre** (Lb bifenthrin/A)
Armyworms* (including True*) Common Stalk Borer* Cutworms*(including Army*) Grubs Seed Corn Beetles Seed Corn Maggots Wireworms	At Plant	2.56 – 5.12	0.15 - 0.30	0.04 - 0.08
Corn Rootworm Larvae (Suppression)	At Plant	5.12	0.30	0.08
REMARKS				
Apply as a 5 to 7 inch T-band treatment over an open seed furrow, or in-furrow with the seed. Apply in a minimum of 3 gallons of finished spray per acre. Discipline 2EC alone or in recommended tank mixtures, may be mixed with water or certain liquid fertilizers. It is not formulated to be compatible with a complete range of liquid fertilizer options. A jar compatibility test should be performed with the appropriate ratio of product and fertilizer to ensure mixture is compatible and will remain in solution. Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.				
*For Army Cutworm, Armyworms, Common Stalk Borer, Cutworms, or True Armyworm, apply as a 5 - 7 inch band over the row on the soil surface, a 5 - 7 inch T-band over the open furrow, in-furrow with the seed, or broadcast to the soil surface.				
** For 30 inch rows.				
RESTRICTIONS				
Do not apply more than 0.20 lb active ingredient per acre per season as an at plant application. For field corn, do not apply more than 0.30 lb active ingredient per acre per season including pre-plant incorporated (PPI), at plant, pre-emergence (PRE), and foliar applications of all bifenthrin products.				

CORN, FIELD (GRAIN AND SILAGE), FIELD CORN GROWN FOR SEED, POPCORN (PRE & PPI)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms Black Cutworms Grape Colaspis	Pre-Plant Incorporated (PPI)	3.0 - 4.0	0.05 - 0.06

Seedcorn Maggots			
White Grubs			
Wireworms			
Armyworms	Pre-Emergence (PRE)	2.56	0.04
Black Cutworms			
Common Stalk Borers			

REMARKS

The 3-4 fl oz/A rates must be pre-plant incorporated (PPI) and can be tank mixed and applied with PPI herbicides. Incorporation of this product should be close to the intended seed planting depth, and no deeper than 3 inches. For PRE treatments, the 2.56 fl oz/A rate may be applied and can be tank mixed and applied with PRE herbicides.

RESTRICTIONS

For field corn, do not apply more than 0.30 lb active ingredient per acre total per season including PPI, at plant, PRE, and foliar applications of all bifenthrin products.

CORN, FIELD (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (FOLIAR USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	2.10-6.40	0.03-0.10
Armyworms (Beet, Fall, Southern, True, Yellowstriped and other species)			
Cereal Leaf Beetles			
Chinch Bugs			
Common Stalk Borers			
Corn Borers, European and Southwestern			
Corn Earworms			
Corn Rootworm Adults			
Cucumber Beetle Adults			
Cutworms (Army, Western Bean and other species)			
Flea Beetles			
Grasshoppers			
Greenbugs			
Japanese Beetle Adults			
Leafhoppers			
Sap Beetles			
Southern Corn Leaf Beetles			
Stink Bugs			
Tarnished Plant Bugs			
Thrips			
Webworms			
Mites (Banks Grass, Carmine and Twospotted Spider)	Foliar	5.12-6.40	0.08-0.10
Corn Rootworm Larvae (Northern, Southern and Western)	Foliar	5.12-6.40 (Chemigation Use Only)	0.08-0.10 (Chemigation Use Only)

REMARKS

General: Apply in a minimum of 2-5 gallons of finished spray per acre by aircraft or in a minimum of 10 gallons per acre with ground equipment. To improve control by aircraft, use 5 gallons of finished spray per acre particularly when initial populations are heavier than normal. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

To control corn ear-attacking pests: Apply this product just before silking and repeat as necessary to maintain control.

To control Southwestern Corn Borer and European Corn Borer: Make initial application for corn borer control at or shortly before egg hatch and repeat as necessary.

For control of other insect pests: Apply when pests first appear and repeat as necessary.

For control of Mites: 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 Twospotted 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 0.50 lb active per acre in tank mixture has demonstrated good control under these conditions.

For Mite control in Texas, New Mexico, Oklahoma, Arizona: Apply in a minimum of 5 gallons of finished spray per acre by aircraft or in a minimum of 10 gallons per acre with ground equipment.

To control Corn Rootworm Larvae by chemigation use only: Apply at or closely following corn rootworm egg hatch in a minimum of 1 inch irrigation water per acre.

RESTRICTIONS

Do not apply more than 0.30 lb active ingredient per acre per season including PRE and PPI, at plant, plus foliar applications.

Do not apply within 30 days of harvest.

Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.

Use of ultra low volume (ULV) application on corn is prohibited.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

CORN, SWEET, SWEET CORN GROWN FOR SEED (AT PLANT USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre** (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre** (Lb bifenthrin/A)
Armyworms (including True*) Common Stalk Borer* Cutworms* (including Army*) Grubs Seed Corn Beetles Seed Corn Maggots Wireworms	At Plant	2.56 – 5.12	0.15 - 0.30	0.04 - 0.08
Corn Rootworm Larvae (Suppression)	At Plant	5.12	0.30	0.08

REMARKS

Apply as a 5 to 7 inch T-band treatment over an open seed furrow, or in-furrow with the seed. Apply in a minimum of 3 gallons of finished spray per acre. Discipline 2EC alone or in recommended tank mixtures, may be mixed with water or certain liquid fertilizers. It is not formulated to be compatible with a complete range of liquid fertilizer options. A jar compatibility test should be performed with the appropriate ratio of product and fertilizer to ensure mixture is compatible and will remain in solution. Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and

application to maintain a uniform spray mixture.

*For Army Cutworm, Armyworms, Common Stalk Borer, Cutworms, or True Armyworm, apply as a 5 - 7 inch band over the row on the soil surface, a 5 - 7 inch T-band over the open furrow, in-furrow with the seed, or broadcast to the soil surface.

**For 30 inch rows.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season including PPI, at plant, PRE, and foliar applications of all bifenthrin products.

For field corn, do not apply more than 0.30 lb active ingredient per acre per season including pre-plant incorporated (PPI), at plant, pre-emergence (PRE), and foliar applications of all bifenthrin products.

CORN, SWEET, SWEET CORN GROWN FOR SEED (PRE & PPI)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz./A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms	At Plant	3.00 - 4.00	0.05 - 0.06
Black Cutworms	Pre-Plant Incorporated (PPI)		
Grape Colaspis			
Seedcorn Maggots			
White Grubs			
Wireworms			
Armyworms	At Plant	2.56	0.04
Black Cutworms	Pre-Emergence (PRE)		
Common Stalk Borers			

REMARKS

The 3-4 fl oz./A rate must be pre-plant incorporated (PPI) and can be tank mixed and applied with PPI herbicides. Incorporation of this product should be close to the intended seed planting depth, and no deeper than 3 inches.

For PRE treatments, the 2.56 fl oz/A rate may be applied and can be tank mixed and applied with PRE herbicides.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season including PPI, at plant, PRE, and foliar applications of all bifenthrin products.

CORN, SWEET, SWEET CORN GROWN FOR SEED (FOLIAR USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz./A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	2.10-6.40	0.03-0.10
Armyworms (including Beet, Fall, Southern, True, Yellowstriped)			
Cereal Leaf Beetles			
Chinch Bugs			
Common Stalk Borers			
Corn Earworms			
Corn Rootworm Adults			
Cucumber Beetle Adults			
Cutworms (including Army and Western Bean)			

European Corn Borers Flea Beetles Grasshoppers Greenbugs Japanese Beetle Adults Leafhoppers Sap Beetles Southern Corn Leaf Beetles Southwestern Corn Borers Stink Bugs Thrips Tarnished Plant Bugs Webworms			
Mites (Banks Grass, Carmine and Twospotted)	Foliar	5.12-6.40	0.08-0.10
Corn Rootworm Larvae (Northern, Southern and Western)	Foliar	5.12-6.40 (Chemigation Use Only)	0.08-0.10 (Chemigation Use Only)
REMARKS			
<p>General: Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.</p> <p>To control corn ear-attacking pests: Apply this product when silking begins and repeat as necessary to maintain control.</p> <p>To control Southwestern Corn Borer and European Corn Borer: Make 2 applications for corn borer control with the initial application at or shortly before egg hatch.</p> <p>For control of other insect pests: Apply when pests first appear and repeat as necessary.</p> <p>For control of Mites: 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 Twospotted 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.</p> <p>To control Corn Rootworm Larvae by chemigation use only: Apply at or closely following corn rootworm egg hatch in a minimum of 1 inch of irrigation water per acre.</p>			
RESTRICTIONS			
<p>Do not apply more than 0.20 lb active ingredient per acre per season including PPI, at plant, PRE, and foliar applications of all bifenthrin products.</p> <p>Do not apply within 1 day of harvest.</p> <p>Do not graze livestock in treated areas or cut treated crops for feed within 1 day of the last application.</p> <p>Use of ultra low volume (ULV) application on corn is prohibited.</p> <p>Do not make aerial or ground applications to corn if heavy rainfall is imminent.</p>			

COTTON (FOLIAR USE)			
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz./A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
European Corn Borers Thrips (Soybean (Banded) and Tobacco)	Foliar	1.30-6.40	0.02-0.10
Armyworms (Fall and Yellowstriped) Boll Weevils	Foliar	2.60-6.40	0.04-0.10

Bollworms Cabbage Loopers Cotton Aphids Cotton Fleahoppers Cotton Leafperforators Cutworms Plant Bugs (<i>Lygus</i> species) Saltmarsh Caterpillars Southern Garden Leafhoppers Stink Bugs Tobacco Budworms Whiteflies			
Beet Armyworms <i>Lygus</i> species Pink Bollworms Spider Mites, Carmine and Twospotted	Foliar	3.80-6.40	0.06-0.10
REMARKS			
Product may be applied in water or refined vegetable oil (soybean/cottonseed).			
Application in Water: Apply in a minimum of 5 gallons per acre with ground equipment or 1 gallon per acre by aircraft. When applying by air, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray.			
ULV Application: Apply the recommended rate of this product in refined vegetable oil in a minimum of 1 quart of finished spray per acre with aircraft calibrated to give adequate coverage.			
To Control Boll Weevil: Apply product at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels.			
To Control Mites and Aphids: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established.			
RESTRICTIONS			
Do not apply more than 0.50 lb active ingredient per acre per season.			
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 applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush®, Ammo®, Asana® XL, Baythroid®, Capture®, Danitol®, Karate®, Mustang®, Pounce® and Scout X-TRA™.			

CUCURBITS (AT PLANT USE)

Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd, edible *Lagenaria* species (includes hyotan, cucuzza), *Luffa* species (includes jicama, Chinese okra), *Momordica* species (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of *Cucumis melon*) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin (*Cucurbita* species), Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Squash, winter (includes butternut squash, calabaza, hubbard squash (*C. mixta*, *C. pepo*) includes acorn squash, spaghetti squash), Watermelon (includes hybrids and/or varieties of *Citrullus* species).

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz./A)	Fluid Ounces per 1000 Row Feet (Fl oz./1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True*) Cutworms* (including Army*) Flea Beetle Larvae Grubs Wireworms	At Plant	2.56 - 5.12	0.15 - 0.3	0.04 - 0.08
Cucumber Beetle Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10

REMARKS

For control of Cucumber Beetle Larvae, apply as a 5 to 7 inch T-band over an open furrow, or in-furrow with the seed. For control of Wireworm, Grub, and Flea Beetle Larvae, apply as a 5 to 7 inch T-band over an open furrow, or in-furrow with the seed or transplant.

*For control of Army Cutworm, Cutworms, True Armyworm and Armyworms, apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, in-furrow with the seed, broadcast to the soil surface, or banded over the row.

RESTRICTIONS

Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.30 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

CUCURBITS (FOLIAR USE)

Chayote (fruit), Chinese waxgourd, (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd, edible, (includes hyotan, cucuzza), (*Luffa* species) (includes jicama, Chinese okra), (*Momordica* species) (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of *Cucumis melon*) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin (*Cucurbita* species), Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Squash, winter (includes butternut squash, calabaza, hubbard squash (*C. mixta*; *C. pepo*) (includes acorn squash, spaghetti squash), Watermelon (includes hybrids and/or varieties of *Citrullus* species)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz./A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Armyworms Cabbage Loopers Corn Earworms Cucumber Beetles	Foliar	2.60-6.40	0.04-0.10

Cutworms Grasshoppers Leafhoppers Melonworms Pickleworms Plant Bugs (<i>Lygus</i> species) Rindworms Squash Bugs Squash Vine Borers Stink Bugs Tobacco Budworms			
Mites (Banks Grass, Twospotted Spider and Carmine) Plant Bugs (<i>Lygus</i> species) Whiteflies	Foliar	5.12-6.40	0.08-0.10
REMARKS			
Apply this product in a minimum of 5 gallons of finished spray per acre by air or in a minimum of 20 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.			
RESTRICTIONS			
Do not apply more than 0.30 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.			
Do not make more than two applications after bloom.			
Do not make applications less than 7 days apart.			
Do not apply within 3 days of harvest.			

EGGPLANT (AT PLANT USE) (Not for use in California)				
PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz./A)	Fluid Ounces per 1000 Row Feet (Fl oz./1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True*) Cutworms* (including Army*) Grubs Root Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.3	0.04 - 0.08
Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10
REMARKS				
Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed.				
*Apply broadcast to the soil surface for control of Army Cutworm, Armyworms, Cutworms, or True Armyworm.				
RESTRICTIONS				
Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.				
Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

EGGPLANT, GROUNDCHERRY AND PEPINO (FOLIAR USE) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient (Lb bifenthrin/A)
Armyworms	Foliar	2.10-6.40	0.03-0.10
Cabbage Loopers			
Colorado Potato Beetles			
Corn Earworms			
Cucumber Beetles			
European Corn Borers			
Flea Beetles			
Plant Bugs (<i>Lygus</i> species)			
Stink Bugs			
Thrips			
Tomato Pinworms			
Tomato Hornworms			
Vegetable Leafminers			
Whiteflies			
Mites (Banks Grass, Twospotted Spider, Carmine and Pacific Spider)	Foliar	5.12-6.40	0.08-0.10
Plant Bugs (<i>Lygus</i> species)			
REMARKS Apply this product in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.			
RESTRICTIONS Do not make applications less than 7 days apart. Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products. Do not apply within 7 days of harvest.			

GARDEN BEETS (FOLIAR USE) [OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient (Lb bifenthrin/A)
Aphids	Foliar	5.12-6.40	0.08-0.10
Fire Ants			
Flea Beetles			
Lepidopterous larvae			
Spider Mites			
Whiteflies			
REMARKS Apply foliar treatments in at least 25 gallons per acre.			
RESTRICTIONS Do not apply more than 0.40 lb active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 1 days of harvest.			

GRAPES (FOLIAR USE)			
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for Use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Cutworms Eastern Grape Leafhoppers Grape Berry Moths Japanese Beetle Adults Variegated Leafhoppers Western Grape Leafhoppers	Foliar	3.20 to 6.40	0.05 to 0.10
Black Vine Weevils Glassywinged Sharpshooters Twospotted Spider Mites	Foliar	6.40	0.10

REMARKS
Apply this product in a minimum of 10 gallons of finished spray per acre by air or in a minimum of 25 gallons per acre with ground equipment. When applying by air, 1 to 2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. When pest pressure is moderate to severe, use higher rate within the rate range.

RESTRICTIONS
Do not apply more than 0.10 lb active ingredient per acre per season.
Do not apply within 30 days of harvest.

GRASS FORAGE, FODDER AND HAY GROUP AND GRASS GROWN FOR SEED, PASTURE AND RANGELAND (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Alfalfa Caterpillar Alfalfa Looper Alfalfa Weevil Ants Aphids* (Blue Alfalfa, Green Peach, Pea and Spotted Alfalfa) Armyworms (including Fall, Southern, True and Yellowstriped) Black Grass Bug Cereal Leaf Beetles Chinch Bugs Cricket	Foliar	6.40	0.10

Cutworms Egyptian Alfalfa Weevil (larvae and adult) Flea Beetles Grasshoppers Grass Mealybugs Green Cloverworm Hornworms Hunting Bill Bugs Meadow Spittlebug Plant Bugs Potato Leafhopper Range Caterpillar Stink Bugs Threecornered Alfalfa Hopper Velvetbean Caterpillar Webworms			
REMARKS			
Apply as insects appear in sufficient volume of water to ensure thorough coverage of foliage. Apply in a minimum of 2 gallons of finished spray per acre by air or 10 gallons per acre by ground. Higher volumes of finished spray may improve insect control under high temperatures, when foliage is dense and/or when insect pressure is high.			
RESTRICTIONS			
Do not apply more than 0.20 lb active ingredient per acre per season.			
Do not make applications less than 14 days apart.			
Do not apply within 30 days of harvest for forage and hay.			
*Aphid control may be variable depending on species present and host-plant relationships.			

HOPS (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	3.80-6.40	0.06-0.10
Armyworms			
Cutworms			
Leafrollers			
Loopers			
Root Weevils	Foliar	3.20-6.40	0.05-0.10
Twospotted Spider Mites	Foliar	6.40	0.10

REMARKS

A spray interval of 21 days between applications must be maintained.

Application by ground: For best results, full coverage is essential. Early season recommend 100-150 gallons of spray per acre. Late season recommend 200-250 gallons of spray per acre.

For Root Weevil control, make a directed spray to the base of the plant. Spray up the vine 3 feet and the soil surface 1.5 to 2 feet on either side of the plant.

Application by air for late season control of Twospotted Spider Mites: Apply no less than 6.40 oz (0.10 lb bifenthrin) per application in a minimum of 10 gallons per acre.

RESTRICTIONS

Do not exceed 0.10 lb active ingredient per acre per application.

Do not exceed 0.30 lb active ingredient per acre per season.

Use of ultra low volume (ULV) application on hops is prohibited.

Do not apply within 14 days of harvest.

LEAFY BRASSICAS AND TURNIP GREENS (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	2.10-6.40	0.03-0.10
Armyworms			
Corn Earworm			
Crickets			
Cucumber Beetles			
Cutworms			
Diamondback Moth			
Flea Beetles			
Grasshoppers			
Ground Beetles			
Imported Cabbageworm			
Japanese Beetle (Adult)			
Leafhoppers			
Loopers			
Saltmarsh Caterpillar			
Stink Bugs			
Thrips			
Tobacco Budworm			

Whitefly Wireworm (adults)			
Banks Grass Mite Carmine Mite Lygus Spp. Pacific Spider Mite Twospotted Spider Mite	Foliar	5.12-6.40	0.08-0.10
REMARKS			
Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.			
RESTRICTIONS			
Do not exceed 0.40 lb active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.			

LEAFY PETIOLE VEGETABLES (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Cabbageworms Corn Earworms Crickets Cucumber Beetles Cutworms Diamondback Moths Flea Beetles Ground Beetles Imported Armyworms Leafhoppers Loopers Saltmarsh Caterpillars Stink Bugs Thrips Tobacco Budworms Whiteflies Wireworm (adults)	Foliar	2.56 - 6.40	0.04 - 0.10
Mites (including Banks Grass, Carmine, Pacific Spider and Twospotted Spider) Plant Bugs (<i>Lygus</i> species)	Foliar	5.12 – 6.40	0.08 - 0.10

REMARKS

Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons of finished spray per acre with ground equipment. When applying by air, 1 to 2 quarts of emulsified oil may be substituted for 1 to 2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season.

Do not make applications less than 7 days apart.

Do not apply within 7 days of harvest.

LETTUCE, HEAD (AT PLANT USE)

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True) Bulb Mites* Cutworms* (including Army*) Grubs Lettuce Root Aphids Root Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10

REMARKS

Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed.

*Apply broadcast to the soil surface for control of Army Cutworm, Armyworms, Bulb Mites, Cutworms, or True Armyworm.

RESTRICTIONS

Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

LETTUCE, HEAD (FOLIAR USE)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Armyworms Cabbage Maggots Corn Earworms Cucumber Beetles Cutworms Diamondback Moths Flea Beetles Grasshoppers Imported Cabbageworms Leafhoppers Loopers Saltmarsh Caterpillars	Foliar	2.10-6.40	0.03-0.10

Stink Bug species			
Thrips			
Tobacco Budworms			
Whiteflies			
Mites (Carmine and Twospotted Spider)	Foliar	5.12-6.40	0.08-0.10
Plant Bugs (<i>Lygus</i> species)			
REMARKS			
Apply this product in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.			
RESTRICTIONS			
Do not make applications less than 7 days apart.			
Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.			
Do not apply within 7 days of harvest.			

MAYHAW (FOLIAR USE)			
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Plum Curculio	Foliar	5.12-6.40	0.08-0.10
REMARKS			
Apply foliar treatments in at least 28 gallons per acre.			
RESTRICTIONS			
Do not apply more than 0.20 lb active ingredient per acre per season.			
Do not make applications less than 7 days apart.			
Do not apply within 30 days of harvest.			

OKRA (AT PLANT USE)				
(Not for use in California)				
PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Cutworms				
Flea Beetle Larvae				
Wireworms				
REMARKS				
Apply as a 5-7 inch band over the row on the soil surface, a 5-7 inch T-band over the open seed furrow, in-furrow with the seed or broadcast to the soil surface.				
RESTRICTIONS				
Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.				
Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

OKRA (FOLIAR USE) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Armyworms Corn Earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Japanese Beetle (Adult) Leafminers Loopers Stink Bugs Thrips Whitefly	Foliar	2.10-6.40	0.03-0.10
Broad Mite Carmine Mite Lygus Spp. Twospotted Spider Mite	Foliar	5.12-6.40	0.08-0.10
REMARKS Apply using sufficient water to obtain uniform coverage. Apply as needed. Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft.			
RESTRICTIONS Do not exceed 0.20 lb active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.			

PEANUTS (FOLIAR USE) [OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms (including Beet, Fall, Southern and Yellowstriped) Corn Earworms Cutworms Grasshoppers Green Cloverworm Leafhoppers Lesser Cornstalk Borer Loopers Rednecked Peanut Worm Southern Corn Rootworm Stink Bugs Threecornered Alfalfa	Foliar	2.10-6.40	0.03-0.10

Hopper Velvetbean Caterpillar			
Aphids Spider Mites Thrips Whiteflies	Foliar	5.12-6.40	0.08-0.10

REMARKS

Apply this product in a minimum of 2 gallons per acre by air or in a minimum of 10 gallons per acre with ground equipment.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season.

Do not make applications less than 14 days apart.

Do not apply within 14 days of harvest.

Do not feed green immature plants and peanut hay to livestock.

PEARS (Foliar Use)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Codling Moths Cutworms Green Fruitworms Leafhoppers Leafminers Leafrollers Plant Bugs (<i>Lygus</i> species), (including Tarnished) Plum Curculios San Jose Scale (Crawlers) Stink Bugs	Foliar	2.60-12.80	0.04-0.20
Mites (Twospotted Spider and Yellow)	Foliar	3.80-12.80	0.06-0.20
European Red Mites	Foliar	5.12-12.80	0.08-0.20

REMARKS

Application by ground: Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) spray in sufficient water to provide thorough coverage.

Application by air: Apply the specified dosage in a minimum of 10 gallons per acre by air.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season with no more than 0.45 lb active ingredient per acre applied after petal fall.

Apply as necessary to maintain control using a minimum of 30 day spray interval.

Do not graze livestock in treated orchards or cut treated cover crops for feed.

Do not apply within 14 days of harvest.

PEAS AND BEANS (SUCCULENT) (AT PLANT USE)

Pea (*Pisum* spp.): Dwarf pea, Edible-pod pea, English pea, Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon pea; Bean (*Phaseolus* spp.): Broadbean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean; Bean, (*Vigna* spp.): Asparagus bean, Blackeyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean.

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* Cutworms*,(including Army* and True*) Grape Colaspis Grubs Root Maggots Seedcorn Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Rootworm larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10
REMARKS Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed. *Apply a broadcast treatment to the soil surface for control of Army Cutworm, Armyworms, Cutworms, or True Armyworm.				
RESTRICTIONS Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application. Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

PEAS AND BEANS (SUCCULENT) (FOLIAR USE)

Pea (*Pisum* species): Dwarf pea, Edible-pod pea, English pea, Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon Pea; Bean (*Phaseolus* species): Broadbean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean; Bean (*Vigna* species): Asparagus bean, Blackeyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Flea Beetles Grasshoppers Leafhoppers, (including Aster)	Foliar	1.60-6.40	0.025-0.10
Aphids Armyworms (including Beet, Fall, Southern and Yellowstriped) Bean Leaf Beetles Corn Earworms Corn Rootworm Adults Cloverworms Cucumber Beetles Cutworms (including	Foliar	2.10-6.40	0.03-0.10

Western Bean European Corn Borers Japanese Beetle Adults Loopers Pea Leaf Weevils Pea Weevils Plant Bugs (<i>Lygus</i> species) Sap Beetles Stink Bugs Tarnished Plant Bugs Thrips Webworms Whiteflies			
Mites (Banks Grass, Carmine and Twospotted) Plant Bugs (<i>Lygus</i> species)	Foliar	5.12-6.40	0.08-0.10
REMARKS			
Apply this product in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.			
RESTRICTIONS			
Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.			
Do not apply within 3 days of harvest.			

PEAS, DRIED (SEE BEANS, DRIED)

PEPPERS (BELL AND NON-BELL) (AT PLANT USE)				
(Not for use in California)				
PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True*) Common Stalk Borer* Cutworms* (including Army*) Flea Beetle Larvae Grubs Pepper Maggots Root Aphids Root Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10
REMARKS				
Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed.				
*Apply broadcast over the soil surface for control of Army Cutworm, Cutworms, True Armyworm, Armyworms, or Common Stalk Borer.				
RESTRICTIONS				

Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

PEPPERS, BELL AND NON-BELL (FOLIAR USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	2.10-6.40	0.03-0.10
Armyworms			
Corn Earworms			
Cucumber Beetles			
Cutworms			
European Corn Borers			
Flea Beetles			
Leafhoppers			
Leafminers			
Loopers			
Pepper Weevils			
Stinkbug species			
Thrips			
Tobacco budworms			
Whiteflies			
Mites (Broad, Carmine and Twospotted Spider)	Foliar	5.12-6.40	0.08-0.10
Plant Bugs (<i>Lygus</i> species)			

REMARKS

Apply this product using sufficient water to obtain uniform coverage. Apply as needed. Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft.

RESTRICTIONS

Do not make applications less than 7 days apart.

Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

Do not apply within 7 days of harvest.

ROOT CROPS EXCEPT SUGAR BEETS (FOLIAR USE)

Burdock (edible), Carrot, Celeriac, Chervil (turnip rooted), Chicory, Ginseng, Horseradish, Parsley (turnip rooted), Parsnip, Radish, Radish (oriental), Rutabaga, Salsify, Salsify (black), Salsify (Spanish), Skirret and Turnip

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	5.12-6.40	0.08-0.10
Armyworms (including Beet, Fall, Southern and Yellowstriped)			
Celery Leaftier			
Corn Earworms			
Cross-striped Cabbageworm			

Cutworms Diamondback Moth European Corn Borers Fire Ants Flea Beetles Green Cloverworm Hornworms Imported Cabbageworm Loopers Spider Mites Tobacco budworms Velvetbean Caterpillar Whiteflies			
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REMARKS

Apply foliar treatments in at least 25 gallons per acre.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season.

Do not make applications less than 7 days apart.

Do not apply within 21 days of harvest.

SOYBEANS (AT PLANT USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True*) Cutworms* (including Army*) Grape Colaspis Grubs Root Maggots Seedcorn Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Corn Rootworm Larvae (Suppression)	At Plant	5.12	0.30	0.08

REMARKS

Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed.

*For control of Army Cutworm, Armyworms, Cutworms, or True Armyworm, apply as a broadcast treatment to the soil surface.

RESTRICTIONS

Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

SOYBEANS (PPI & PRE)			
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms	At Plant	3.00 - 4.00	0.05 - 0.06
Black Cutworms	Pre-Plant Incorporated (PPI)		
Seedcorn Maggots			
White Grubs			
Wireworms			
Armyworms	At Plant	2.56	0.04
Black Cutworms	Pre-Emergence (PRE)		
Common Stalk Borers			

REMARKS
The 3-4 fluid ounces per acre rate must be pre-plant incorporated (PPI) and can be tank mixed and applied with PPI herbicides. Incorporation of this product should be close to the intended seed planting depth, and no deeper than 3 inches.
For PRE treatments, the 2.56 fluid ounces per acre rate may be applied and can be tank mixed and applied with PRE herbicides.

RESTRICTIONS
Do not apply more than 0.10 lb active ingredient per acre per season as PPI or PRE application.
Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

SOYBEANS (FOLIAR USE)			
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Alfalfa Caterpillars	Foliar	2.10 to 6.40	0.03 to 0.10
Aphids			
Armyworms (Beet*, Fall, Southern and Yellowstriped)			
Aster Leafhoppers			
Bean Leaf Beetles			
Cloverworms			
Corn Earworms			
Corn Rootworm Adults			
Cucumber Beetles			
Cutworms (including Western Bean)			
European Corn Borers			
Flea Beetles			
Grasshoppers			
Imported Cabbageworms			
Japanese Beetle Adults			
Leafhoppers			
Leafminers			
Loopers			
Mexican Bean Beetle Adults			
Pea Leaf Weevils			

Pea Weevils Plant Bugs (<i>Lygus</i> species) (including Tarnished) Saltmarsh Caterpillars Sap Beetles Stink Bugs Thrips Tobacco Budworms* Webworms Whiteflies			
Plant Bugs (<i>Lygus</i> species) Twospotted Spider Mites Whiteflies	Foliar	5.12 to 6.40	0.08 to 0.10

REMARKS

Apply in a minimum of 10 gallons per acre with ground equipment or 2 gallons per acre by aircraft at a minimum of 30 day intervals.

*Pyrethroid resistance is common for Beet Armyworm and Tobacco Budworm.

Please consult your local or state agricultural authority to determine if resistant pest populations are in your area. If so, refer to the resistance management statement in the DIRECTIONS FOR USE section of this label.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

Do not apply within 18 days of harvest.

SPINACH (AT PLANT)

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms (including True) Cutworms (including Army) Grubs Root Maggots Seedcorn Maggots Wireworms	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Rootworm Larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10

REMARKS

Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed.

Apply a broadcast treatment to the soil surface for control of Army Cutworm, Armyworms, Cutworms, or True Armyworm.

RESTRICTIONS

Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.40 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

SPINACH (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms Colorado Potato Beetles Corn earworms Cucumber Beetles Cutworms European Corn Borers Flea Beetles Leafminers Loopers Pepper Weevils Tomato Hornworms Tomato Pinworms Thrips Whiteflies	Foliar	2.10 – 6.40	0.03 – 0.10
Fire Ants Mites (Banks Grass, Broad, Carmine, Pacific Spider and Twospotted Spider) Plant bugs (<i>Lygus</i> species)	Foliar	5.12 – 6.40	0.08 – 0.10
REMARKS			
For control of whiteflies, apply foliar treatments of product by ground or air at rates of up to 0.40 pint (0.10 lb active ingredient) per acre at minimum 7-day intervals up to a maximum of 4 applications.			
For control of fire ants, apply product to the soil (at planting) or as a foliar treatment by ground or air at rates of up to 0.40 pint (0.10 lb active ingredient) per acre at minimum 7-day intervals up to a maximum of 4 applications.			
Apply the specified dosage in 5-50 gallons of finished spray per acre by air or 10-50 gallons of finished spray per acre by ground.			
RESTRICTIONS			
Do not make applications less than 7 days apart.			
Do not apply more than 0.40 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.			
Do not apply within 40 days of harvest.			

TOBACCO (PRE-TRANSPLANT & AT-TRANSPLANT)			
[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworm species Cutworm species Flea Beetle Larvae Mole Crickets Stalkborers White Grubs Wireworms	Pre-Transplant and At-Transplant	2.56 - 6.40	0.04 - 0.10

REMARKS

Pre-transplant soil applications: Use of suitable equipment to incorporate into the top 4 inches of the soil is required to control below ground pests.

At-transplant water treatment application: Apply 0.06 to 0.10 lb active ingredient per acre in a water treatment application volume of 10 to 200 gallons per acre.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season.

Do not apply later than lay-by.

May be tank mixed with herbicides approved for tobacco use.

TOBACCO (FOLIAR USE)

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphid species	Foliar	2.56 - 6.40	0.04 - 0.10
Armyworm species			
Chinch Bugs			
Cutworm species			
Flea Beetle (Adults)			
Grasshoppers			
Green Bugs			
Japanese Beetles			
Stink Bugs			
Thrips			
Whiteflies			
Tarnished Plant Bugs			
Hornworms	Foliar	5.12 - 6.40	0.08 - 0.10
Tobacco Budworms			
Spider Mites	Foliar	6.40	0.10
Plant Bugs (<i>Lygus</i> species)			

REMARKS

Apply 0.04 to 0.10 lb active ingredient per acre per foliar application up to, and including, lay-by in a minimum of 10 gallons of water per acre.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season.

Do not make more than 2 foliar applications per season.

Do not apply later than lay-by.

May be tank mixed with herbicides approved for tobacco use.

*See resistance statement under "Directions for Use".

TOMATOES (AT PLANT USE)

(Not for use in California)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms* (including True*)	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08

Common Stalk Borers*				
Cutworms* (including Army*)				
Flea Beetle Larvae				
Grubs				
Root Maggots				
Wireworms				
Rootworm larvae	At Plant	5.12 - 6.40	0.30 - 0.37	0.08 - 0.10
REMARKS				
Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch T-band over the open furrow, or in-furrow with the seed.				
*Apply a broadcast treatment to the soil surface for control of Army Cutworm, Armyworms, Common Stalk Borer, Cutworms, or True Armyworm.				
RESTRICTIONS				
Do not apply more than 0.10 lb active ingredient per acre per season as an at plant application.				
Do not apply more than 0.32 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

TOMATOES AND TOMATILLO (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids	Foliar	2.10 – 5.20	0.03 – 0.08
Armyworms (including Beet, Fall, and Southern Yellowstriped)			
Bean Leaf Beetles			
Cabbageworms			
Cloverworms			
Corn Earworms			
Corn Rootworms			
Cucumber Beetles			
Cutworms			
Diamondback Moths			
European Corn Borers			
Flea Beetles			
Flea Hoppers			
Grasshoppers			
Japanese Beetle (adults)			
Leafhoppers			
Loopers			
Melonworms			
Mites (including Carmine)			
Pea Leaf Weevils			
Pea Weevils			
Pickleworms			
Plant Bugs (<i>Lygus</i> species)			
Rindworms			
Salt Marsh Caterpillars			
Sap Beetles			
Seedpod Weevils			
Squash Bugs			

Stink Bug species Tarnished Plant Bugs Tobacco Budworms Thrips Whiteflies			
Twospotted Spider Mite	Foliar	5.12-6.4	0.08-0.10
REMARKS			
Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment.			
Thorough coverage is essential to achieve control.			
RESTRICTIONS			
Do not make applications less than 10 days apart.			
Do not apply more than 0.40 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.			
Do not apply within 1 day of harvest.			

TREE NUTS (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids (including Black Pecan, Walnut and Yellow Pecan) Codling Moth Filbert Worm Hickory Shuckworm Leaffooted Bugs Navel Orangeworm Oblique Banded Leafroller Peach Twig Borer Pecan Leaf Casebearer Pecan Nut Casebearer Pecan Phylloxera Plant Bugs (<i>Lygus</i> species) Stink Bugs	Foliar	3.20-12.80	0.05-0.20
European Red Mite Pecan Weevil Spider Mites	Foliar	5.10-12.80	0.08-0.20
Fire Ants Walnut Husk Fly	Foliar	6.40-12.80	0.10-0.20

REMARKS

Apply by ground or air equipment using sufficient water to obtain full coverage of foliage. Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) by ground or apply the specified amount in a minimum of 10 gallons of finished spray per acre by air.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season.

Do not make applications less than 15 days apart.

Do not apply within 21 days of harvest for pecans and 7 days for all other registered tree nut crops.

Do not graze livestock in treated orchards or cut treated cover crops for feed.

TUBEROUS AND CORM VEGETABLES (AT PLANT USE)

Potato, Sweet potato, Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Edible canna, Cassava (bitter and sweet), Chayote (root), Chufa, Dasheen (taro), Ginger, Leren, Tanier, Turmeric, Yam bean, True yam.

(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Grape Colaspis	At Plant	9.60 - 19.20	0.15 - 0.30
Rootworms			
Sweet Potato Flea Beetles			
White Grubs			
Wireworms			

REMARKS

Apply as a soil incorporated broadcast, directed bed spray or a T-band spray into the planting furrow. Apply at the rate of 0.15 to 0.30 lb active ingredient (9.6 to 19.2 fl oz/A) in a minimum of 10 gallons per acre of spray.

RESTRICTIONS

Do not apply more than 0.30 lb active ingredient per acre per season as an at plant application.

Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

TUBEROUS AND CORM VEGETABLES (LAY-BY)

Potato, Sweet potato, Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Edible canna, Cassava (bitter and sweet), Chayote (root), Chufa, Dasheen (taro), Ginger, Leren, Tanier, Turmeric, Yam bean, True yam.

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Grape Colaspis	Lay-By	9.60 - 19.20	0.15 - 0.30
Rootworms			
White Grubs			
Wireworms			

REMARKS

Apply as one or more soil-directed and incorporated treatments at cultivation or lay-by. Make applications to the drill area and incorporate by cultivation equipment set to throw soil towards the drill area. Apply at a rate of 0.15 to 0.30 lb active ingredient (9.6 to 19.2 fluid ounces) per acre in a minimum spray volume of 10 gallons per acre.

RESTRICTIONS

Do not apply more than 0.50 lb active ingredient per acre per season including soil plus foliar applications of all bifenthrin products.

TUBEROUS AND CORM VEGETABLES (FOLIAR USE)

Potato, Sweet Potato, Arracacha, Arrowroot, Chinese Artichoke, Jerusalem Artichoke, Edible Canna, Cassava (Bitter and Sweet), Chayote (Root), Chufa, Dasheen (Taro), Ginger, Laren, Tanier, Turmeric, Yam Bean, True Yam

[OPTIONAL: (For use in California see 'California Use Directions' section of this label)-OR-(Not for use in California)]

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Banded Cucumber Beetles	Foliar	2.10 to 6.40	0.03 to 0.10
Black Flea Beetles			
Cucumber Beetles			
Japanese Beetle Grubs			
June Beetles			
Rootworms			
Sugarcane Beetles			
Sweetpotato Flea Beetles			
Sweetpotato Weevils			
White Grubs			
Whitefringed Beetles			
Wireworms (including Corn, Southern Potato and Tobacco)			

REMARKS

Discipline 2EC may be applied as a foliar spray for the control of the adult life stages of flea beetles, click beetles (wireworms), cucumber beetles (rootworms), white fringed beetles and May/June beetles (white grubs).

Apply Discipline 2EC at the rate of 0.033 to 0.10 lb active ingredient (2.1 to 6.40 fluid ounces formulated product) per acre in a minimum of 10 gallons per acre by ground and 3 gallons per acre by air.

RESTRICTIONS

Do not make more than 2 foliar applications per season no sooner than 21 days apart.

Do not apply more than 0.50 lb active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.

Do not apply within 21 days of harvest.

TURNIP GREENS (SEE LEAFY BRASSICAS)

California Use Directions

Special Equipment

The registration of this product in California requires that the product be used in closed systems that meet the criteria for closed systems as established by the California Department of Food and Agriculture. The criteria and a list of the closed systems meeting the criteria are available through the California Department of Food and Agriculture.

BRASSICAS, HEAD AND STEM (FOLIAR USE)

Head and Stem Brassica Vegetables including: Broccoli, Chinese Broccoli (gai lon, white flowering broccoli), Brussels Sprouts, Cauliflower, Cavalo broccoli, Kohlrabi, Cabbage, Chinese Cabbage (napa)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Armyworms	Foliar	2.10-6.40	0.03-0.10
Cutworms			
Corn Earworms			
Crickets			
Diamondback Moths			
Flea Beetles			
Imported Cabbageworms			
Loopers			
Saltmarsh Caterpillars			
Whiteflies			
Plant Bugs (<i>Lygus</i> species)	Foliar	5.12-6.40	0.08-0.10

REMARKS

Apply this product in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

RESTRICTIONS

- Do not apply more than 0.50 lb active ingredient (1 quart) per acre per season.
- Do not make more than 5 applications after bloom.
- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

CANEBERRIES (FOLIAR USE)

Caneberries including: Blackberries, Bingleberries, Dewberries, Lowberries, Marionberries, Olallieberries, Youngberries, Loganberries, Raspberries

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Leafrollers	Foliar	3.20-6.40	0.05-0.10
Orange Tortrix			
Root Weevils			
Spider Mites	Foliar	6.40	0.10

REMARKS

Apply product by air or ground equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons per acre by air and 50 gallons per acre by ground).

One application may be made pre-bloom and a second application may be made post-bloom.

RESTRICTIONS

Do not apply within 3 days of harvest.

Do not apply within 4 days of harvest for caneberries that are hand-harvested.

CORN, FIELD (GRAIN AND SILAGE), FIELD CORN GROWN FOR SEED, POPCORN (AT PLANT USE)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre** (Lb bifenthrin/A)
Armyworms* (including True*) Common Stalk Borer*	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Cutworms* (including Army*) Grubs Seed Corn Beetles Seed Corn Maggots Wireworms				
Corn Rootworm Larvae (Suppression)	At Plant	5.12	0.30	0.08

REMARKS

Apply as a 5 to 7 inch T-band treatment over an open seed furrow or in-furrow with the seed. Apply in a minimum of 3 gallons of finished spray per acre. Discipline 2EC alone or in recommended tank mixtures, may be mixed with water or certain liquid fertilizers. It is not formulated to be compatible with a complete range of liquid fertilizer options. A jar compatibility test should be performed with the appropriate ratio of product and fertilizer to ensure mixture is compatible and will remain in solution. Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

*For Army Cutworm, Armyworms, Common Stalk Borer, Cutworms, or True Armyworm, apply as a 5-7 inch band over the row on the soil surface, a 5-7 inch T-band over the open furrow, in-furrow with the seed, or broadcast to the soil surface.

** For 30 inch rows.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season as an at plant application.

For field corn, do not apply more than 0.30 lb active ingredient per acre per season including pre-plant incorporated (PPI), at plant, pre-emergence (PRE), and foliar applications of all bifenthrin products.

CORN, FIELD (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (FOLIAR USE)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
Aphids Armyworm species (including Beet, Fall, True and Yellowstriped) Chinch Bugs Corn Earworms Corn Rootworm Adults	Foliar	2.10-6.40	0.03-0.10

Cucumber Beetle Adults Cutworm Species Flea Beetles Grasshoppers Greenbugs Leafhoppers Stinkbugs Thrips Webworms			
Mites (Banks Grass, Carmine and Twospotted Spider)	Foliar	5.12-6.40	0.08-0.10
Western Corn Rootworm Larvae	Foliar	5.12 – 6.40 (Chemigation Only)	0.08-0.10 (Chemigation Only)

REMARKS

General: Apply in a minimum of 2-5 gallons of finished spray per acre by aircraft or in a minimum of 10 gallons per acre with ground equipment. To improve control by aircraft, use 5 gallons of finished spray per acre particularly when initial populations are heavier than normal. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

To control ear-attacking pests: Apply this product just before silking and repeat as necessary to maintain control.

For control of other insect pests: Apply when pests first appear and repeat as necessary.

For control of Mites: 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 Twospotted 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 0.50 lb active per acre in tank mixture has demonstrated good control under these conditions.

To control Western Corn Rootworm Larvae by Chemigation use only: Apply at or closely following corn rootworm egg hatch in a minimum of 1 inch irrigation water per acre.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season.

Do not apply within 30 days of harvest.

Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.

Use of ultra low volume (ULV) application on corn is prohibited.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

CORN, SWEET & SWEET CORN GROWN FOR SEED (AT PLANT USE)

PEST	PLACEMENT	DOSAGE		
		Fluid Ounces per Acre (Fl oz/A)	Fluid Ounces per 1000 Row Feet (Fl oz/1000 Row Ft.)	Pounds Active Ingredient per Acre** (Lb bifenthrin/A)
Armyworms* (including True*) Common Stalk Borer*	At Plant	2.56 - 5.12	0.15 - 0.30	0.04 - 0.08
Cutworms* (including Army*) Grubs Seed Corn Beetles Seed Corn Maggots Wireworms				
Corn Rootworm Larvae (Suppression)	At Plant	5.12	0.30	0.08

REMARKS

Apply as a 5 to 7 inch T-band treatment over an open seed furrow or in-furrow with the seed. Apply in a minimum of 3

gallons of finished spray per acre. Discipline 2EC alone or in recommended tank mixtures, may be mixed with water or certain liquid fertilizers. It is not formulated to be compatible with a complete range of liquid fertilizer options. A jar compatibility test should be performed with the appropriate ratio of product and fertilizer to ensure mixture is compatible and will remain in solution. Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

*For Army Cutworm, Armyworms, Common Stalk Borer, Cutworms, or True Armyworm, apply as a 5-7 inch band over the row on the soil surface, a 5-7 inch T-band over the open furrow, in-furrow with the seed, or broadcast to the soil surface.

** For 30 inch rows.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient per acre per season as an at plant application.

For field corn, do not apply more than 0.30 lb active ingredient per acre per season including pre-plant incorporated (PPI), at plant, pre-emergence (PRE), and foliar applications of all bifenthrin products.

CORN, SWEET & SWEET CORN GROWN FOR SEED (FOLIAR USE)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient (Lb bifenthrin/A)
Aphids Armyworm species (including Beet, Fall, True, Yellowstriped) Chinch Bugs Corn Earworms Corn Rootworm Adults Cucumber Beetle Adults Cutworm Species (including Army) Flea Beetles Grasshoppers Greenbugs Leafhoppers Stinkbugs Thrips Webworms	Foliar	2.10-6.40	0.03-0.10
Mites (Banks Grass, Carmine, Pacific Spider and Twospotted Spider)	Foliar	5.12-6.40	0.08-0.10
Western Corn Rootworm Larvae	Foliar	5.12- 6.40 (Chemigation Only)	0.08 – 0.10 (Chemigation Only)

REMARKS

General: Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

To control ear-attacking pests: Apply this product when silking begins and repeat as necessary to maintain control.

For control of other insect pests: Apply when pests first appear and repeat as necessary.

For control of Mites: 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 Twospotted 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.

To control Western Corn Rootworm Larvae by Chemigation use only: Apply at or closely following corn rootworm egg

hatch in a minimum of 1 inch of irrigation water per acre.

RESTRICTIONS

Do not apply more than 0.20 lb active ingredient (12.80 fluid ounces formulated product) per acre per season.
Do not apply within one day of harvest.
Do not apply within 18 days of harvest for sweet corn that is hand-harvested.
Do not graze livestock in treated areas or cut treated crops for feed within 1 day of the last application.
Use of ultra low volume (ULV) application on corn is prohibited.
Do not make aerial or ground applications to corn if heavy rainfall is imminent.

COTTON (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient per Acre (Lb bifenthrin/A)
European Corn Borers Soybean (Banded) Thrips Tobacco Thrips	Foliar	1.30-6.40	0.02-0.10
Armyworms (Fall and Yellowstriped) Boll Weevils Bollworms Cabbage Loopers Cotton Aphids Cotton Fleahoppers Cotton Leafperforators Cutworms Plant Bugs (<i>Lygus</i> species) Saltmarsh Caterpillars Southern Garden Leafhoppers Stink Bugs Tobacco Budworms Whiteflies	Foliar	2.60-6.40	0.04-0.10
Beet Armyworms Mites (Carmine Spider and Twospotted Spider) Pink Bollworms	Foliar	3.80-6.40	0.06-0.10
REMARKS			
Product may be applied in water or refined vegetable oil (soybean/cottonseed).			
Application in water: Apply in a minimum of 5 gallons per acre with ground equipment or 1 gallon per acre by aircraft. When applying by air, 1 quart of emulsified oil may be substituted for 1 quart of water in the finished spray.			
To control Boll Weevil: Apply this product at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels.			
To control Mites and Aphids: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established.			
RESTRICTIONS			
Do not apply more than 0.30 lb active ingredient per acre per season. Do not make more than 3 applications per season. 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 applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush®, Ammo®, Asana® XL, Baythroid®, Capture®,			

Danitol®, Karate®, Mustang®, Pounce and Scout X-TRA™.

PEPPERS, BELL AND NON-BELL (FOLIAR USE)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl oz/A)	Pounds Active Ingredient (Lb bifenthrin/A)
Aphids	Foliar	2.10-6.40	0.03-0.10
Armyworms			
Corn Earworms			
Cucumber Beetles			
Cutworms			
Flea Beetles			
Leafhoppers			
Leafminers			
Loopers			
Pepper Weevils			
Stinkbug species			
Thrips			
Tobacco budworms			
Whiteflies			
Mites (Carmine and Twospotted Spider)	Foliar	5.12-6.40	0.08-0.10
Plant Bugs (<i>Lygus</i> species)			

REMARKS

Apply this product using sufficient water to obtain uniform coverage. Apply as needed. Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft.

RESTRICTIONS

Do not make applications less than 7 days apart.

Do not apply more than 0.20 lb active ingredient per acre per season.

Do not apply within 7 days of harvest.

STORAGE AND DISPOSAL

Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

PESTICIDE STORAGE Do not freeze or store product below 40°F. If crystals are observed, gradually warm product to above 60°F by placing container in a warmer location. Gently shake or roll container periodically to redissolve solids.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call Chemtrec: 1-800-424-9300

To confine spill: Dike surrounding area or absorb with sand, cat litter or commercial clay. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL Pesticide wastes are toxic. 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 For Plastic Containers 5 Gallons or less: Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

For 15 gallon returnable product Container: Returnable container. Nonrefillable container. Do not reuse or refill this container. This container is a dedicated, single-product returnable container. Return empty container to seller at location designated by seller as a collection point. Do not break seals, add anything to container or open container after use. Do not rinse or contaminate empty container. Do not dispose of un-tampered empty container or use it for any other purposes. Any evidence of broken seals or other tampering or adding anything to the container renders it unfit for return. In such case, it is the obligation of the holder of the container to dispose of it properly or offer for recycling, if available.

Dealers Must Sell in Original Packages Only.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.**

THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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SUB-LABEL B

RESTRICTED USE PESTICIDE

Toxic 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.

BIFENTHRIN	GROUP	3A	INSECTICIDE
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DISCIPLINE 2EC®

ACTIVE INGREDIENT:

Bifenthrin

(2-methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate* 25.1%

INERT INGREDIENTS** 74.9%

TOTAL 100.0%

Contains petroleum distillate

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

**Contains xylene range aromatic solvents.

This product contains 2 pounds active ingredient per gallon.

For Both Indoor and Outdoor Use.

KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

This label must be in the possession of the user at the time of application. See inside booklet for complete Precautionary Statements, Directions for Use, and Storage and Disposal.

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

EPA Reg. No. 5481-517

Net Contents: _____

EPA Est. No. _____

[Made in U.S.A.]



AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA USA
1-888-462-6822

{Note for reviewer. Below is for QR code and pointer text placeholder}

[Scan for Spanish/Escaneer para español

(PLACE QR CODE HERE)]

FIRST AID	
If swallowed	<ul style="list-style-type: none">Call a poison control center or doctor immediately for treatment advice.Do not give any liquid to the person.Do not induce vomiting unless told to do so by the poison control center or doctor.Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">Move person to fresh air.If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none">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 eye.Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
For Medical Emergencies phone:1-888-681-4261
For Transportation Emergencies, including spill, leak or fire, phone: CHEMREC®1-800-424-9300
For Product Use Information phone: AMVAC®1-888-462-6822
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided. Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the dilute product through application or other tasks must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber or Viton® ≥ 14 mils.
- Shoes plus socks.

Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made from barrier laminate ≥ 14 mils or Viton ≥ 14 mils.
- 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not 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 if bees are visiting the treatment area. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

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 AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE.

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

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

AGRICULTURAL USE REQUIREMENTS

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

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

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

- Coveralls.
- Chemical-resistant gloves made of barrier laminate \geq 14 mils or Viton \geq 14 mils.
- Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. Keep children and pets off treated areas following application until the treated area has dried.

TURF AND ORNAMENTAL USE

For use to control listed insect and mite pests in greenhouses and nurseries, as well as on golf courses and on ornamentals and turf in landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses, sod farms and athletic fields.

RESTRICTIONS – Turf and Ornamental

See Special Restriction in the State of New York in the Application Recommendations section of this label). When treating tall trees (> 15 feet) from the ground with high pressure sprays or during any application with air assisted equipment (mist blower), do not apply within 150 feet of aquatic areas.

For Both Indoor and Outdoor Use.

- For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
- Do not apply the product into fish pools, ponds, streams, or lakes.
- Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot treatment.
- Do not apply or irrigate to the point of runoff.
- Do not make applications during rain.
- Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Do not apply when the wind speed is greater than 15 mph.
- Do not apply this product through any kind of irrigation system.
- Do not apply by air.
- Apply with ground equipment only.
- Do not apply when wind direction favors downwind drift towards nearby water bodies.
- Do not apply when a temperature inversion exists.
- Apply using the largest nozzle size compatible with adequate coverage.
- Do not allow to enter indoor or outdoor drains/*No permita la entrada a desagües internos o externos*
- Follow proper disposal procedures on this label/*Siga las indicaciones del etiquetado para el desecho apropiado del producto*



All outdoor spray applications must be limited to spot treatments only, except for application to pervious surfaces such as soil, lawn, turf, and other vegetation.

Spot treatments must not exceed two square feet in size (for example, 2ft. by 1 ft or 4 ft. by 0.5 ft.).

Additionally for outdoor applications to commercial nurseries:

- Applicators are required to select the nozzle and pressure that delivers a medium or coarser droplet size (ASABE S572).

Resistance Management

For resistance management, Discipline 2EC contains bifenthrin, a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Discipline 2EC and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same locations. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take one or more of the following steps:

- Rotate the use of Discipline 2EC or other Group 3 insecticides within the year with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of the mixture. In addition, consider the following recommendations from the Insect resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pests.
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greater if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated insect management program for insecticide use that includes scouting, uses historical information related to pesticide use record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or pest control advisor for any additional pesticide resistance-management and/or IPM recommendations for specific site and pest problems in your area.

For further information or to report suspected resistance contact AMVAC at (1-888-462-6822). You can also contact your pesticide distributor or university extension specialist to report resistance.

APPLICATION INSTRUCTIONS – Turf and Ornamental

Discipline 2EC formulation mixes readily with water and other aqueous carriers, and controls listed insects and mites on ornamentals, trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and interiorscapes including hotels, shopping malls, office buildings, etc., and, outdoor plantscapes, such as around residential dwellings, parks, institutional, public, commercial and industrial buildings, recreational, athletic fields, home lawns, golf courses and sod farms. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application.

Discipline 2EC may be tank-mixed with other products, including insect growth regulators. When tank mixing Discipline 2EC with other products, observe all precautions and limitations on each separate product label. The physical compatibility of Discipline 2EC may vary with different sources of pesticide products and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar) using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture.

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions: (1) Add wettable powders to tank water, (2) Agitate, (3) Add liquids and flowables, (4) Agitate, (5) Add emulsifiable concentrates, and (6) Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. Note: If the tank mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

Maximum rates (Except Nursery): Do not apply more than 0.10 lb bifenthrin/acre (6.40 fl oz Discipline 2EC) in a single application, no more than 0.20 lb bifenthrin/acre/acre/year (12.8 fl oz Discipline 2EC) for outdoor applications.

Note: For large infestations of ants, imported fire ants, and mole crickets, a single application of 0.20 lb bifenthrin/acre/acre (12.8 fl oz Discipline 2EC) may be applied once per year.

New York State Restrictions – Turf and Ornamental:

NOT FOR USE ON SOD FARMS IN THE STATE OF NEW YORK.

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.

Application Sites: Landscape Ornamentals, Greenhouses, Nurseries, Sod Farms, Golf Courses and Home Lawn Uses (Including Interiorscapes, Plantscapes, and Ornamental Plantings Grown for Aesthetic Purpose).

**APPLICATION RATES FOR LANDSCAPE
ORNAMENTALS AND GREENHOUSES**

Pest	Rate lb ai/ 10 gal.	Rate oz/ 10 gal.	Comments
Ants	0.004 to 0.02	0.256 to 1.28	Apply the specified rate of Discipline 2EC as a full coverage foliar spray. Repeat as necessary to achieve control using higher rates as pest pressure and foliage area increases.
Aphids			
Bagworms			To control Bagworm: Apply when larvae begin to hatch. Spray larvae directly. Applications made when larvae are young will be most effective.
Blackvine Weevils			
Brown Soft Scales			
Broad Mites			
Budworms			
California Red Scale (Crawlers)			
Centipedes			
Clover Mites			
Crickets			
Cutworms			
Earwigs			
Elm Leaf Beetles			
Fall Webworms			
Flea Beetles			
Fungus Gnats			
Grasshoppers			
Lace Bugs			
Leafhoppers			
Leaf Feeding Caterpillars			

Mealybugs Millipedes Orchid Weevils Pillbugs Pine Needle Scales (crawlers) Plant Bugs (incl. <i>Lygus spp.</i>) San Jose Scales (crawlers) Sowbugs Spiders Tent Caterpillars Tip Moths Weevils Whiteflies			prevent or delay pest resistance.
European Crane Flies	0.005	0.32	
Citrus Thrips Beet Armyworms European Red Mites Leafrollers Spider Mites Thrips Twig Borers	0.006 to 0.02	0.384 to 1.28	
Japanese Beetles (adult) Leafminers Pecan Leaf Scorch Mites	0.01 to 0.02	0.64 to 1.28	

Maximum Nursery Rates: Do not apply more than 0.20 lb bifenthrin/acre (12.8 fl oz of Discipline 2EC) in a single application or per year for outdoor applications.

Nursery Dilution Chart

Application Volume	Application Rate	Fluid Ounces* of Discipline 2EC			
		Diluted to these Volumes of Finished Spray			
Gallons Per Acre	Lb AI Per Acre	1 Gallon	25 Gallons	50 Gallons	100 Gallons
50	0.025	0.032	0.8	1.6	3.2
50	0.05	0.064	1.6	3.2	6.4
50	0.1	0.128	3.2	6.4	12.8
50	0.2	0.256	6.4	12.8	25.6
100	0.025	0.016	0.4	0.8	1.6
100	0.05	0.032	0.8	1.6	3.2
100	0.1	0.064	1.6	3.2	6.4
100	0.2	0.128	3.2	6.4	12.8
150	0.025	0.011	0.267	0.533	1.07
150	0.05	0.021	0.533	1.07	2.13
150	0.1	0.043	1.07	2.13	4.27
150	0.2	0.085	2.13	4.27	8.53
200	0.025	0.008	0.2	0.4	0.8
200	0.05	0.016	0.4	0.8	1.6
200	0.1	0.032	0.8	1.6	3.2
200	0.2	0.064	1.6	3.2	6.4
250	0.025	--	0.16	0.32	0.64
250	0.05	--	0.32	0.64	1.28
250	0.1	--	0.64	1.28	2.56
250	0.2	--	1.28	2.56	5.12

300	0.025	--	0.133	0.267	0.533
300	0.05	--	0.267	0.533	1.07
300	0.1	--	0.533	1.07	2.13
300	0.2	--	1.07	2.13	4.27

*To convert to milliliters, multiply by 29.57.

1 fl oz = 29.57 ml = 2 tablespoons = 6 teaspoons

Do not use household utensils to measure Discipline 2EC.

Formula for Determining the Active Ingredient Content of the Finished Spray Mixture: The following formula may be used to determine the percent active ingredient that is in the spray tank after mixing Discipline 2EC.

$$(25.1)(\text{fl oz of Discipline 2EC added to tank})$$

$$(\text{Gallons of finished spray mix})(128)$$

Turf Dilution Chart

Application Volume	Application Rate	Fluid Ounces* of Discipline 2EC Diluted to these Volumes of Finished Spray				
Gallons Per 1,000 sq. ft.	Pound AI/Acre	1 Gallon	10 Gallons	25 Gallons	50 Gallons	100 Gallons
0.5	0.05	0.147	1.47	3.68	7.35	14.7
0.5	0.1	0.294	2.94	7.35	14.7	29.4
0.5	0.2	0.588	5.88	14.7	29.4	58.8
0.75	0.05	0.098	0.98	2.45	4.9	9.8
0.75	0.1	0.196	1.96	4.9	9.8	19.6
0.75	0.2	0.392	3.92	9.8	19.6	39.2
1	0.05	0.074	0.74	1.84	3.68	7.35
1	0.1	0.147	1.47	3.68	7.35	14.7
1	0.2	0.294	2.94	7.35	14.7	29.4
1.5	0.05	0.049	0.49	1.23	2.45	4.9
1.5	0.1	0.098	0.98	2.45	4.9	9.8
1.5	0.2	0.196	1.96	4.9	9.8	19.6
2	0.05	0.037	0.37	0.92	1.84	3.68
2	0.1	0.074	0.74	1.84	3.68	7.35
2	0.2	0.147	1.47	3.68	7.35	14.7
2.3 ^a	0.05	0.032	0.32	0.8	1.6	3.2
2.3 ^a	0.1	0.064	0.64	1.6	3.2	6.4
2.3 ^a	0.2	0.128	1.28	3.2	6.4	12.8
3	0.05	0.025	0.245	0.613	1.23	2.45
3	0.1	0.049	0.49	1.23	2.45	4.9
3	0.2	0.098	0.98	2.45	4.9	9.8
4	0.05	0.018	0.184	0.46	0.92	1.84
4	0.1	0.037	0.368	0.92	1.84	3.68
4	0.2	0.074	0.736	1.84	3.68	7.36

*To convert to milliliters, multiply by 29.57.

^a 100 gallons per acre.

1 fl oz = 29.57 ml = 2 tablespoons = 6 teaspoons

Do not use household utensils to measure Discipline 2EC.

Applications: Grass Areas (including golf courses, sod farms, home lawns, lawn areas around parks, institutional, public, commercial and industrial buildings, recreational and athletic fields).

Apply Discipline 2EC as a surface or sub-surface treatment. Use application volumes of up to 10 gallons per 1000 square feet to get uniform coverage when treating dense and or long grass foliage.

For low volume applications, less than 2 gallons/1000 square feet, immediately irrigate treated area with at least 0.25 inches of water following application to ensure efficacy on sub-surface pests including mole crickets.

Application to Home Lawns: Apply Discipline 2EC as a broadcast treatment in 2 to 10 gallons of carrier per 1,000 square feet. Use high volumes to get uniform coverage when treating dense grass foliage.

TURF APPLICATION RATES

Pest	Discipline 2EC	Comments
Annual Bluegrass Weevil (adults)	0.073 to 0.147 fl oz per 1,000 sq. ft.	
Ants	-or-	
Armyworms		
Bluegrass Billbugs		
Chinchbugs	3.2 to 6.40 fl oz per Acre	
Crane Flies		
Crickets (Mole)*	-or-	
Cutworms		
Earwigs		
Fall Webworms		
Fleas	0.05 to 0.10 lb AI per Acre	
Grasshoppers		
Mites		
Sod Webworms		
Ticks		
Imported Fire Ants	0.147 to 0.294 fl oz per 1,000 sq. ft.	
Japanese Beetles (adults)	-or-	
	6.40 to 12.8 fl oz per Acre	
	-or-	
	0.10 to 0.20 lb AI per Acre	

Imported Fire Ant Quarantine Treatment

Against Imported Fire Ants (IFA) in Potting Media (including balled and containerized nursery grown ornamental trees, shrubs, plants, flowers, conifers, bushes, Christmas trees, and non-bearing fruit and nut trees), Discipline 2EC is approved and can be used in accordance with the USDA Imported Fire Ant Quarantine Program. Discipline 2EC may be applied either soil incorporated, as a topical application, or as a high volume drench treatment.

Soil Incorporation: Incorporate the appropriate volume of Discipline 2EC (see table below) per cubic yard of potting media by diluting it in water (typically 1 quart to 1 gallon per cubic yard of media) and sprinkling or spraying it onto the media. The applications are based on the dry bulk density of the potting media. When used in accordance with USDA guidelines, this application will provide a 6 month certification period.

Rate Discipline 2EC in fl oz (lb AI)/10 gals.	Fluid Ounces of Discipline 2EC/Gallons of Finished Spray				
	1 Gallon	3 Gallons	5 Gallons	25 Gallons	100 gallons
0.256 (0.004)			0.128	0.64	2.56
0.384 (0.006)	0.038	0.115	0.19	0.96	3.84
0.64 (0.01)	0.064	0.192	0.32	1.6	6.4
1.28 (0.02)	0.128	0.384	0.64	3.2	12.8

Soil Incorporation Rate of Discipline 2EC for Control of IFA in Potting Media

Potting Media Bulk Density (lb cubic yard)	Fluid Ounces of Discipline 2EC in one cubic yard
200	0.64
400	1.28
600	1.92
800	2.56
1000	3.2
1200	3.84
1400	4.48

Use proportional amounts of Discipline 2EC for potting media with bulk densities not listed.

Topical Application: Mix Discipline 2EC in 1,000 ounces of water based on container size and bulk density of the potting media (see table below). Apply one (1) ounce of the mix to each container evenly distributed over the surface of the potting media. Irrigate all treated containers with 1.5 inches of water following application. When used in accordance with USDA guidelines, this application will provide a 6 month certification period.

Topical Drench Application Rates of Discipline 2EC for Control of IFA in Potting Media

Potting Media Bulk Density (lb cubic yard)	Fluid Ounces of Discipline 2EC Per 1,000 ounces of water	
	3 Qt. Container	4 Qt. Container
200	1.2	1.74
400	2.4	3.48
600	3.6	5.22
800	4.8	6.96
1000	6.0	8.7
1200	7.2	10.4
1400	8.4	12.2

Use proportional amounts of Discipline 2EC for potting media with bulk densities not listed.

High Volume Drench: Apply Discipline 2EC as a high volume drench by mixing the appropriate amount of product based on the bulk density in 100 gallons of water (see table below). Apply mix to individual containers to the point of saturation. The amount of mix used for each plant is generally 1/5 the volume of the container. When used in accordance with USDA guidelines, this application will provide a 6 month certification period.

High Drench Application Rate of Discipline 2EC for Control of IFA in Potting Media

Potting Media Bulk Density (lb cubic yard)	Fluid Ounces of Discipline 2EC in 100 Gallons
200	0.8
400	1.6
600	2.4
800	3.2
1000	4.0
1200	4.8
1400	5.6

Use proportional amounts of Discipline 2EC for potting media with bulk densities not listed.

Larval Control In Potting Media of Containerized Plants

Black Vine Weevil Larval Control – Preventative Treatment – Topical Drench: For preventative control of black vine weevil larvae in containerized plants, dilute Discipline 2EC at the rate of 3.2 to 12.8 fl oz (0.05 to 0.20 lb AI) per 100 gallons and apply as a drench at the rate of 4 to 8 fluid ounces of finished spray per 6 inch (diameter)

container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Diluting 3.2 fluid ounces of Discipline 2EC per 100 gallons and applying 8 fluid ounces of finished spray per 6 inch (diameter) container will provide black vine weevil larval control for one growing season when the application is made in the spring. Diluting 6.40 to 12.8 fluid ounces of Discipline 2EC per 100 gallons and applying 8 fluid ounces of finished spray per 6 inch (diameter) container will provide black vine weevil larval control for two growing seasons when the application is made in the spring.

White Grub Control – Preventative Treatment – Topical Drench: For preventative control of white grubs (including Japanese beetle, oriental beetle and European chafer) in containerized plants, dilute Discipline 2EC at the rate of 12.8 to 25.6 fl oz (0.20 to .040 lb AI) per 100 gallons and apply as a drench at the rate of 4 to 8 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Use the higher application rate for a longer period of control.

Black Vine Weevil and White Grub Larval Control – Preventative Treatment – Media Incorporation: For preventative control of black vine weevil and white grub larvae in containerized plants, incorporate the appropriate volume of Discipline 2EC (see table below) per cubic yard of potting media by diluting it in water (typically 1 quart to 1 gallon per cubic yard of media) and sprinkling or spraying it onto the media. Use the higher application rates for longer periods of control.

Potting Media Bulk Density (lb per cubic yard)	Fluid Ounces of Discipline 2EC in one cubic yard			
	10 PPM	15 PPM	20 PPM	25 PPM
200	0.134	0.2	0.27	0.34
300	0.2	0.3	0.4	0.5
400	0.268	0.4	0.54	0.67
500	0.335	0.5	0.67	0.84
600	0.4	0.6	0.8	1.0
700	0.469	0.7	0.94	1.17
800	0.536	0.8	1.07	1.34
900	0.6	0.9	1.2	1.5
1000	0.67	1.0	1.34	1.68

The application rates listed above are based on the dry bulk density of the potting media. Use proportional volumes of Discipline 2EC for potting media with dry bulk densities that are not listed above.

Black Vine Weevil Larval Control – Curative Treatment – Topical Drench: To control black vine weevil larvae infesting containerized plants, dilute Discipline 2EC at the rate of 3.2 to 12.8 fl oz (0.05 to 0.20 lb AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Bare-root Treatment of Preventative Root Weevil Larval Control: To protect treated roots of field grown nursery stock from feeding by rootweevil larvae, dilute 42.9 fl oz of Discipline 2EC in 100 gallons of water and treat the bare roots of plants that are being transplanted into the field either by dipping the roots into the insecticide solution for ten seconds or by spraying the insecticide solution onto the roots.

***Diaprepes* Weevil Larval Control – Curative Treatment – Topical Drench:** To control *Diaprepes* weevil larvae infesting containerized plants, dilute Discipline 2EC at the rate of 3.2 to 12.8 fl oz (0.05 to 0.20 lb AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Fungus Gnat Larval Control – Preventative Treatment – Topical Drench: For preventative control of fungus gnat larvae in containerized plants, dilute Discipline 2EC at the rate of 6.40 to 12.8 fl oz (0.10 to 0.20 lb AI) per 100 gallons and apply as a drench at the rate of 4 to 8 fl oz of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Use the higher application rate for a longer period of control.

Fungus Gnat Larval Control – Curative Treatment – Topical Drench: To control fungus gnat larvae infesting containerized plants, dilute Discipline 2EC at the rate of 3.2 to 12.8 fl oz (0.05 to 0.20 lb AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

STORAGE AND DISPOSAL

Do not pour or dispose down-the drain or sewer. Call your local solid waste agency for local disposal options.

PESTICIDE STORAGE Do not freeze or store product below 40°F. If crystals are observed, gradually warm product to above 60°F by placing container in a warmer location. Gently shake or roll container periodically to redissolve solids.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call Chemtrec: 1-800-424-9300

To confine spill: Dike surrounding area or absorb with sand, cat litter or commercial clay. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL Pesticide wastes are toxic. 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 For Plastic Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

For 15 gallon returnable product Container: Returnable container. Nonrefillable container. Do not reuse or refill this container. This container is a dedicated, single-product returnable container. Return empty container to seller at location designated by seller as a collection point. Do not break seals, add anything to container or open container after use. Do not rinse or contaminate empty container. Do not dispose of un-tampered empty container or use it for any other purposes. Any evidence of broken seals or other tampering or adding anything to the container renders it unfit for return. In such case, it is the obligation of the holder of the container to dispose of it properly or offer for recycling, if available.

Dealers Must Sell in Original Packages Only.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

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