

Do not apply when the wind velocity exceeds 15 mph.

Temperature Inversion

Do not make aerial or ground applications into temperature inversions.

Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Droplet Size

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

Additional Requirements for Ground Applications

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

{**NOTE TO REVIEWER:** The following Additional Requirements for Aerial Applications paragraph will not be included on commercial labels that prohibit aerial application: }

Additional Requirements for Aerial Applications

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

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

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

CROP USE DIRECTIONS

ARTICHOKE (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Artichoke Plume Moths Cribrate 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 pound active ingredient per acre per season. Do not apply within 5 days of harvest.			

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) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids 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)	Foliar	2.10-6.40	0.03-0.10
Mites (Banks Grass, Twospotted, Carmine and Pacific Spider) Plant Bugs (<i>Lygus</i> species)	Foliar	5.12-6.40	0.08-0.10
<p>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.</p> <p>RESTRICTIONS Do not apply more than 0.5 pound 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.</p>			

BUSHBERRIES (FOLIAR USE) Blueberry, highbush and lowbush, Currant, Elderberry, Gooseberry, Huckleberry (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids Blueberry Maggots Fruitworms	Foliar	2.56 - 6.40	0.04 - 0.10

Lecanium Scale (Crawlers) Leafhoppers Obliquebanded Leafrollers Plum Curculios Red banded Leafrollers Spanworms Variegated Leafrollers			
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 pound 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 (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Leafrollers Orange Tortrix Root Weevils	Foliar	3.20-6.40	0.05-0.10
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 pound active ingredient per acre per season.			

CANOLA, CRAMBE, RAPESEED (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids Armyworms Cutworms Diamondback Moths Flea Beetles Flea Hoppers Grasshoppers Loopers Other <i>Lepidopterous</i> Larvae Plant Bugs (<i>Lygus</i>)	Foliar	2.10-2.60	0.03-0.04

species) Stink Bugs Seedpod Weevils Thrips Whiteflies			
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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 pound 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 (Lbs. a.i./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 0.1 pound 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.

CITRUS (Bare Soil Surface Under Drip Line)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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 pound 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 (Lbs. a.i./A)
Cone Worms Seed Bugs Seed Worms	Foliar	6.40-12.80	0.10-0.20

REMARKS

Apply recommended dosage in 100-500 gallons of water per acre by ground and in 10 gallons of water or 0.5 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 0.6 pound active ingredient per acre per season.

RESTRICTIONS

Do not apply more than 0.60 pound 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)
(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** (Lbs. a.i./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 pound active ingredient per acre per season as an at plant application. For field corn, do not apply more than 0.30 pound 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 (Lbs. a.i./A)
Armyworms Black Cutworms Grape Colaspis Seedcorn Maggots White Grubs Wireworms	Pre-Plant Incorporated (PPI)	3.0 - 4.0	0.05 - 0.06
Armyworms Black Cutworms Common Stalk Borers	Pre-Emergence (PRE)	2.56	0.04
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 pound 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) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids 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	Foliar	2.10-6.40	0.03-0.10

CORN, FIELD (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED
(FOLIAR USE) (Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
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 0.5 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 pound 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)				
(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** (Lbs. a.i./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				
<p>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.</p> <p>*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.</p> <p>** For 30 inch rows.</p>				
RESTRICTIONS				
<p>Do not apply more than 0.20 pound active ingredient per acre per season as an at plant application.</p> <p>For field corn, do not apply more than 0.30 pound active ingredient per acre per season including pre-plant incorporated (PPI), at plant, pre-emergence (PRE), and foliar applications of all bifenthrin products.</p>				

CORN, SWEET, SWEET CORN GROWN FOR SEED (PRE & PPI)			
(Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Armyworms Black Cutworms Grape Colaspis Seedcorn Maggots White Grubs Wireworms	At Plant Pre-Plant Incorporated (PPI)	3.00 - 4.00	0.05 - 0.06
Armyworms Black Cutworms Common Stalk Borers	At Plant Pre-Emergence (PRE)	2.56	0.04
REMARKS			
<p>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.</p>			

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 pound 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) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids 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	Foliar	2.10-6.40	0.03-0.10
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.</p>			

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

(Not for use in California)

Higher rates will be necessary for heavier initial populations and corn under heat or drought stress.

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.**RESTRICTIONS**

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

Do not apply within 1 day of harvest.

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)

(Not for use in California)

PEST	PLACEMENT	Dosage	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
European Corn Borers Thrips (Soybean (Banded) and Tobacco)	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 <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 pound 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 (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, hubard 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 (Lbs. a.i./A)
Aphids Armyworms Cabbage Loopers Corn Earworms Cucumber Beetles Cutworms Grasshoppers Leafhoppers Melonworms Pickleworms Plant Bugs (<i>Lygus</i> species) Rindworms Squash Bugs Squash Vine Borers Stink Bugs Tobacco Budworms	Foliar	2.60-6.40	0.04-0.10
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, GROUNDCHERRY AND PEPINO (FOLIAR USE)

(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Armyworms 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	Foliar	2.10-6.40	0.03-0.10
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 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 0.2 pound 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)

(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids Fire Ants Flea Beetles Lepidopterous larvae Spider Mites Whiteflies	Foliar	5.12-6.40	0.08-0.10

REMARKS

Apply foliar treatments in at least 25 gallons per acre.

RESTRICTIONS

Do not apply more than 0.40 pound 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) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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 pound 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)			
Including bahiagrass, barnyardgrass, bentgrass, Bermudagrass, Kentucky bluegrass, big bluestem, smooth brome grass, buffalograss, reed canarygrass, centipedegrass, crabgrass, cupgrass, dallisgrass, sand dropseed, Kentucky fescue, meadow foxtail, eastern gramagrass, side-oats grama, guinea grass, Indian grass, Johnsongrass, lovegrass, napiergrass, oatgrass, orchard grass, pangolagrass, paspalum, redtop, Italian ryegrass, St. Augustine grass, sprangletop, squirreltailgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass, and zoysia grass. Also included are sudangrass and sorghum forages and their hybrids.			
NOTE: Use on grasses is limited to the States of Idaho, Oregon and Washington.			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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 Cutworms	Foliar	6.40	0.10

GRASS FORAGE, FODDER AND HAY GROUP AND GRASS GROWN FOR SEED, PASTURE AND RANGELAND (FOLIAR USE)

Including bahiagrass, barnyardgrass, bentgrass, Bermudagrass, Kentucky bluegrass, big bluestem, smooth brome grass, buffalograss, reed canarygrass, centipedegrass, crabgrass, cupgrass, dallisgrass, sand dropseed, Kentucky fescue, meadow foxtail, eastern gramagrass, side-oats grama, guinea grass, Indian grass, Johnsongrass, lovegrass, napiergrass, oatgrass, orchard grass, pangolagrass, paspalum, redtop, Italian ryegrass, St. Augustine grass, sprangletop, squirreltailgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass, and zoysia grass. Also included are sudangrass and sorghum forages and their hybrids.

NOTE: Use on grasses is limited to the States of Idaho, Oregon and Washington.

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			
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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 pound 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 (Lbs. a.i./A)
Aphids Armyworms Cutworms Leafrollers Loopers	Foliar	3.80-6.40	0.06-0.10
Root Weevils	Foliar	3.20-6.40	0.05-0.10
Twospotted Spider Mites	Foliar	6.40	0.10

HOPS (FOLIAR USE)**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. a.i.) per application in a minimum of 10 gallons per acre.

RESTRICTIONS

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

Do not exceed 0.30 pound 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)

Broccoli Raab, Bok Choy, Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens and Turnip Greens

(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids 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)	Foliar	2.10-6.40	0.03-0.10
Banks Grass Mite Carmine Mite Lygus Spp. Pacific Spider Mite Two Spotted Spider Mite	Foliar	5.12-6.40	0.08-0.10

LEAFY BRASSICAS AND TURNIP GREENS (FOLIAR USE)

Broccoli Raab, Bok Choy, Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens and Turnip Greens

(Not for use in California)

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 pound 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)

Celery, Cardoon, Chinese Celery, Celtuce, Florence fennel, Rhubarb, Swiss chard

(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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 pound 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 (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids Armyworms Cabbage Maggots Corn Earworms Cucumber Beetles Cutworms Diamondback Moths Flea Beetles Grasshoppers Imported Cabbageworms Leafhoppers Loopers Saltmarsh Caterpillars Stink Bug species Thrips Tobacco Budworms Whiteflies	Foliar	2.10-6.40	0.03-0.10
Mites (Carmine and Twospotted Spider) Plant Bugs (<i>Lygus</i> species)	Foliar	5.12-6.40	0.08-0.10
<p>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.</p> <p>RESTRICTIONS Do not make applications less than 7 days apart. Do not apply more than 0.50 pound active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products. Do not apply within 7 days of harvest.</p>			

MAYHAW (FOLIAR USE) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Plum Curculio	Foliar	5.12-6.40	0.08-0.10
<p>REMARKS Apply foliar treatments in at least 28 gallons per acre.</p> <p>RESTRICTIONS Do not apply more than 0.20 pound active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 30 days of harvest.</p>			

OKRA (FOLIAR USE) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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. Two Spotted Spider Mite	Foliar	5.12-6.40	0.08-0.10
<p>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.</p> <p>RESTRICTIONS Do not exceed 0.2 pound active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest.</p>			

PEANUTS (FOLIAR USE) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Armyworms (including Beet, Fall, Southern and Yellowstriped) Corn Earworms Cutworms Grasshoppers Green Cloverworm Leafhoppers Lesser Cornstalk Borer Loopers Rednecked Peanut Worm	Foliar	2.10-6.40	0.03-0.10

Southern Corn Rootworm Stink Bugs Threecornered Alfalfa 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 pound 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 (Lbs. a.i./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 pound active ingredient per acre per season with no more than 0.45 pound 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) (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 (Lbs. a.i./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 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	Foliar	2.10-6.40	0.03-0.10
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 pound active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.
Do not apply within 3 days of harvest.

PEPPERS, BELL AND NON-BELL (FOLIAR USE)

(Not for use in California)

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

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 0.2 pound 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, Celeric, Chervil (turnip rooted), Chicory, Ginseng, Horseradish, Parsley (turnip rooted), Parsnip, Radish, Radish (oriental), Rutabaga, Salsify, Salsify (black), Salsify (Spanish), Skirret and Turnip

(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids Armyworms (including Beet, Fall, Southern and Yellowstriped) Celery Leaf-tier Corn Earworms Cross-striped Cabbageworm Cutworms Diamondback Moth European Corn Borers Fire Ants Flea Beetles Green Cloverworm Hornworms	Foliar	5.12-6.40	0.08-0.10

Imported Cabbageworm Loopers Spider Mites Tobacco budworms Velvetbean Caterpillar Whiteflies			
REMARKS Apply foliar treatments in at least 25 gallons per acre.			
RESTRICTIONS Do not apply more than 0.50 pound 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) (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 (Lbs. a.i./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 pound active ingredient per acre per season as an at plant application. Do not apply more than 0.20 pound active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.				

SOYBEANS (PPI & PRE) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Armyworms Black Cutworms Seedcorn Maggots White Grubs Wireworms	At Plant Pre-Plant Incorporated (PPI)	3.00 - 4.00	0.05 - 0.06

Armyworms Black Cutworms Common Stalk Borers	At Plant Pre-Emergence (PRE)	2.56	0.04
<p>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.</p> <p>RESTRICTIONS Do not apply more than 0.10 pound active ingredient per acre per season as PPI or PRE application. Do not apply more than 0.20 pound active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products.</p>			

SOYBEANS (FOLIAR USE) (Not for use in California)]			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Alfalfa Caterpillars 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	Foliar	2.10 to 6.40	0.03 to 0.10
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 pound 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 (FOLIAR USE)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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, Carmines, 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 pound 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 pound 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 0.4 pound 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) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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 pound 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 pound 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) (Not for use in California)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphid species Armyworm species Chinch Bugs Cutworm species Flea Beetle (Adults) Grasshoppers Green Bugs Japanese Beetles Stink Bugs Thrips Whiteflies Tarnished Plant Bugs	Foliar	2.56 - 6.40	0.04 - 0.10
Hornworms Tobacco Budworms	Foliar	5.12 - 6.40	0.08 - 0.10
Spider Mites Plant Bugs (<i>Lygus</i> species)	Foliar	6.40	0.01
REMARKS Apply 0.04 to 0.10 pound 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 pound 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 AND TOMATILLO (FOLIAR USE)			
PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Aphids 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 Weevils Pea Leaf 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	Foliar	2.10 – 5.20	0.03 – 0.08
Twospotted Spider Mite	Foliar	5.12-6.4	0.08-0.10
<p>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.</p> <p>RESTRICTIONS Do not make applications less than 10 days apart. Do not apply more than 0.40 pound active ingredient per acre per season including at plant plus foliar applications of all bifenthrin products. Do not apply within 1 day of harvest.</p>			

TREE NUTS (FOLIAR USE) (Not for use in California)

Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chiquapin, Filbert (hazelnut), Hickory nut, Macadamia nut (bush nut), Pecan and Pistachio

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./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 pound 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, Turmer, Yam bean, True yam.
(NOT FOR USE IN CALIFORNIA)

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

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 0.3 pound 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 0.3 pound active ingredient per acre per season as an at plant application.
Do not apply more than 0.5 pound 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, Turmer, Yam bean, True yam.
(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Grape Colaspis Rootworms White Grubs Wireworms	Lay-By	9.60 - 19.20	0.15 - 0.30
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 pound 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 pound 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), Chayobs (Root), Chufa, Dasheen (Taro), Ginger, Laren,, Tanier, Turner, Yam Bean, True Yam
(Not for use in California)

PEST	PLACEMENT	DOSAGE	
		Fluid Ounces per Acre (Fl. oz./A)	Pounds Active Ingredient per Acre (Lbs. a.i./A)
Banded Cucumber Beetles 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)	Foliar	2.10 to 6.40	0.03 to 0.10
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 pound active ingredient (2.1 to 6.4 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 pound 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)

STORAGE AND DISPOSAL

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; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) 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.

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