

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

-177 9/4/19

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:

A110.04

Name and Address of Registrant (include ZIP Code):

Dave G. Bolin, Ph.D. Vice President – Regulatory Affairs Atticus 5000 CentreGreen Way, Suite 100 Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:	Date:
Jel Herrick	9/4/19
Jacquelyn Herrick, Product Manager 03 Invertebrate & Vertebrate Branch 1, Registration Division (7505P)	

EPA Form 8570-6

- 2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 91234-177."
- 3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

• Basic CSF dated 04/22/2019

If you have any questions, please contact Jennifer Gaines at 703-305-5967 or via email at gaines.jennifer@epa.gov.

Enclosure

ACCEPTED

09/04/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 91234-177

[Note to reviewer: [Text] in brackets denotes optional or explanatory language [Note to reviewer: {Text} in braces denotes where in the final label text will appear {BOOKLET FRONT PANEL LANGUAGE}

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 the uses covered by the certified applicator's certification.

BIFENTHRIN GROUP 3A INSECTICIDE

A110.04^[TM]

[Alternate Brand Name: Batallion LFC]

Contains bifenthrin, the active ingredient used in [Capture® LFR].

For mixing directly with liquid fertilizer to control listed soil insect pests.

ACTIVE INGREDIENT:	(% by weight)
Bifenthrin*	17.15%
OTHER INGREDIENTS:	<u>82.85%</u>
TOTAL	100.0%

^{*}Cis isomers 97% minimum, trans isomers 3% maximum.

information.

This product contains 1.5 pounds active ingredient per gallon.

WARNING/AVISO

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

See inside label booklet for Precautionary Statements and Directions for Use.

FIRST AID					
If swallowed:	Call a poison control center or doctor immediately for treatment advice.				
	Have person sip a glass of water if able to swallow.				
	• Do not induce vomiting unless told to do so by the poison control center or doctor.				
	Do not give anything by mouth to an unconscious person.				
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.				
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.					
Call a poison control center or doctor for treatment advice.					
HOT LINE NUMBER					
Have the product container or label with you when calling a poison control center or doctor, or going					
for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment					

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

For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

[A110.04™] is not manufactured, or distributed by [FMC Corporation], seller of [Capture® LFR].

EPA Reg. No.: 91234-XX	
EPA Est. No.:	

Net Weight:

Manufactured for:
Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

{LANGUAGE INSIDE BOOKLET}

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT:

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

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- 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:

- Remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- 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. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area. The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

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, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, and Shoes plus socks.

RESISTANCE MANAGEMENT

For resistance management, **A110.04** contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to **A110.04** and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of **A110.04** or other Group 3 insecticides within a growing season, or among growing seasons, 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 between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - o 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 pest(s).
 - 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 greatest 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 pest management program for insecticide/acaricides use that includes scouting, uses
 historical information related to pesticide use, crop rotation, 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 certified crop advisors for any additional pesticide resistancemanagement and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC at (984)465-4754.

CHEMIGATION USE DIRECTIONS

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, drip irrigation, 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 LEPA irrigation a minimum of 0.75 inch of water per acre is recommended. Where non-emulsified oils are used as the diluents, 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 distributions 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. **A110.04** should be applied continuously for the duration of the water application. **A110.04** should be diluted in sufficient volume to ensure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inches 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 then desirable control.

Application and Mixing Instructions

A110.04 is an insecticide that contains 1.5 pounds of bifenthrin per gallon. **A110.04** can be mixed directly with liquid fertilizer or with water. The rate of application is variable according to pest pressure, timing of treatments and field scouting. Use lower rates under light to moderate pest infestations, and higher rates under heaver pest pressure. In arid climates, applications rates are generally higher. Fill the tank one-half full with liquid fertilizer or water and begin spray tank agitation. Add the proper amount of **A110.04** and then add the rest of the fertilizer or water. Maintain agitation until the mixture has been applied.

SHAKE WELL BEFORE USING

Agitate the A110.04 spray solutions in nurse tanks prior to moving the solution to spray system.

- Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip. 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.
- A110.04 can be applied in-furrow with the seed, as a T-band (band over the open furrow), as a broadcast application, as a band over the row, as a pre-emergent (PRE) application, as a post plant incorporated (PPI) application, as a foliar application (includes chemigation), or as a transplant-water drench during setting.
- Use rates in the individual crop sections for at-plant soil applications are listed as Fluid oz/1000 Linear ft based on 30-inch row spacings. For conversion to application rates applicable to other row spacings see the table below.
- The maximum application rate per acre per season (pounds active ingredient /acre/season) as listed under the use directions for each crop must not be exceeded. This seasonal maximum includes at-plant plus foliar applications of A110.04 and other products containing bifenthrin.
- For at-plant applications, **A110.04** can be mixed with commonly used liquid starter or pop-up fertilizers. Follow liquid fertilizer recommendations regarding seed safety and use guidelines. Conduct a preliminary jar test using the appropriate ratio of fertilizer and **A110.04**. Do not allow a tank mixture to set overnight, but if this occurs agitate tank mixture prior to application.

A110.04 Required Per Acre for Various Row Spacings						
Row Spacing	36"	30"	20"	15"	Twin Row 30" centers	
Linear row ft/acre	14,520 ft	17,424 ft	26,136 ft	34,848 ft	34,848 ft	
Conversion						
0.2 Fluid oz/1000 Linear ft =	2.9 fl oz/acre	3.5 fl oz/acre	5.2 fl oz/acre	7.0 fl oz/acre	7.0 fl oz/acre	
0.24 Fluid oz/1000 Linear ft =	3.5 fl oz/acre	4.2 fl oz/acre	6.3 fl oz/acre	8.4 fl oz/acre	8.4 fl oz/acre	
0.3 Fluid oz/1000 Linear ft =	4.4 fl oz/acre	5.2 fl oz/acre	7.8 fl oz/acre	10.5 fl oz/acre	10.5 fl oz/acre	
0.39 Fluid oz/1000 Linear ft =	5.7 fl oz/acre	6.8 fl oz/acre	10.2 fl oz/acre	13.6 fl oz/acre	13.6 fl oz/acre	
0.49 Fluid oz/1000 Linear ft =	7.1 fl oz/acre	8.5 fl oz/acre	12.8 fl oz/acre			
0.73 Fluid oz/1000 Linear ft =	10.6 fl oz/acre	12.7 fl oz/acre		•		
0.78 Fluid oz/1000 Linear ft =	11.3 fl oz/acre	13.6 fl oz/acre				
0.98 Fluid oz/1000 Linear ft =	14.2 fl oz/acre	17.1 fl oz/acre				
1.47 Fluid oz/1000 Linear ft =	21.3 fl oz/acre	25.6 fl oz/acre	1			

Crop Rotation Restrictions

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 Mixtures

A110.04 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. To ensure successful applications, product compatibility tests should be conducted. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labelsinvolved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Maximum Allowable A110.04 Use Per Acre Per Season

Refer to the individual crop sections for maximum allowable A110.04 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 the 12 months period. The 12-month period is to begin upon the initial application to the acre.

BUFFER ZONES

Vegetative Buffer Zones

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds). Only apply products containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21pp. http://www.nrcs.usda.gov/Internet/FSE DOCUMENTS/nrcs143 023819.pdf

Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast) – Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for ULV Aerial Application - Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for Non-ULV Aerial Application – Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Spray Drift Requirements

Wind Direction and Speed

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

Temperature Inversion

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

Droplet Size

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

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
- When applications are made with a crosswind, 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.

ARTICHOKE

At-Plant

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	
Cribrate Weevil (Grubs)	8.5	0.49	0.1	Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed.

PPI & PRE

PEST	USE	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Cribrate Weevil	PRE	PRE	A110.04 can be tank mixed and applied with PRE
(Grubs)	8.5	0.1	herbicides.
	PPI	PPI	A110.04 can be tank mixed and applied with PPI
	8.5	0.1	herbicides. Incorporation of A110.04 should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth.

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Artichoke Plume Moth Cribrate Weevil (Grubs)	8.5	0.1	Apply 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 of finished spray per acre.

Do not apply within 5 days of harvest.

Artichoke Restrictions:

Do not apply more than 0.5 lb ai/A per season including at-plant, PPI, PRE and foliar applications of **A110.04** and other bifenthrin containing products.

BRASSICAS, Head and Stem (Crop Subgroup 5A)

Broccoli, Chinese Broccoli (gai lon, white flowering broccoli), Brussels Sprouts, Cauliflower, Cavalo broccoli, Kohlrabi, Cabbage, Chinese Cabbage (napa), and Chinese Mustard Cabbage (gai choy)

At-Plant

PEST		USE RATES DIRECTIONS	DIRECTIONS	
	Fluid oz/A	Fluid oz/1000	Pound ai/A	
		Linear ft.		
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	Apply as a 5-7 inch band (T-band) over the
Armyworm species				open seed or transplant furrow, or in-
Cabbage maggot				furrow with the seed or transplant.
Cutworm species				
Grubs				Cutworm and armyworm treatments may
Root aphids				be applied as broadcast treatments to the
Root maggot				soil surface.
Seedcorn maggot				
Wireworm				May be applied through transplant water at
				time of transplanting

At-Plant Restrictions:

• Do not apply more than 0.1lb ai/A per season as an at-plant application

PPI & PRE

PEST	USI	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Root Aphids	PRE	PRE	A110.04 can be tank mixed and applied with PRE
Root Maggots	3.4 - 6.8	0.04 - 0.08	labeled herbicides and fungicides for pre-
Seed corn maggot			transplant application.
Wireworms	PPI	PPI	Incorporation of A110.04 should not be
Garden Symphylans	3.4 – 6.8	0.04 - 0.08	incorporated any deeper than the intended
			planting depth and no deeper than 3 inches.
			Incorporation depth should be close to the
			intended seed planting or transplant depth.

Foliar

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids			Thorough coverage is necessary to attain
Armyworms			acceptable control. Make application at the
Cutworms			onset of infestation reaching locally determined
Corn Earworm			economic thresholds.
Crickets			
Cucumber Beetles			Apply in a minimum of 2 gallons of finished spray
Diamondback Moth			per acre by air or in a minimum of 10 gallons per
Flea Beetles			acre with ground equipment. When applying by air,
Ground Beetles			1 - 2 quarts of emulsified oil may be substituted for
Imported	2.8 – 8.5	0.033 - 0.1	1 - 2 quarts of water in the finished spray.
Cabbageworm	2.0 - 0.5	0.055 - 0.1	Thorough coverage is essential to achieve control.
Leafhoppers			
Loopers			
Saltmarsh Caterpillar			
Stink Bugs			
Thrips			
Tobacco Budworm			
Whitefly			
Wireworm (adults)			
Black burrowing bug			

Banks Grass Mite			
Carmine Mite			
Lygus Species Pacific Spider Mite Twospotted Spider Mite	6.8 – 8.5	0.08 – 0.1	

Foliar Restrictions:

- 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, Head and Stem (Crop Subgroup 5A) Restrictions:

• Do not apply more than 0.5 lb ai/A per season including At-Plant, PRE, PPI, and Foliar applications of **A110.04** and other bifenthrin containing products.

BUSHBERRIES (Crop Subgroup 13-07B)[*]

Aronia berry; blueberry, highbush; blueberry, lowbush; buffalo currant; Chilean guava; cranberry, highbush; currant, black; currant, red; elderberry; European barberry; gooseberry; honeysuckle, edible; huckleberry; jostaberry; Juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these

At-Plant

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Wireworm White Grubs	8.5	0.1	Apply as a (T-band) over an open furrow immediately prior to transplanting, or in-furrow with the transplant in sufficient water for planting. May also be applied as a solid drench with transplant water at time of transplanting.

PPI (Site Preparation) & PRE

PEST	USE	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Wire worm	PRE	PRE	A110.04 can be tank mixed and applied with PRE
White Grubs	3.4 - 8.5	0.04 - 0.1	herbicides
Blueberry Maggot	PPI	PPI	A110.04 can be tank mixed and applied with PPI
(larvae)	8.5	0.1	herbicides, insecticides and fungicides where
			allowed. Incorporation of A110.04 should not be
			any deeper than the intended planting depth.
			Incorporation depth should be close to the
			intended planting depth.

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	

Aphids Blueberry maggot			Apply in a minimum of 2 gallons finished spray per acre by air or in a minimum of 10 gallons per acre
Fruitworms Japanese beetle Leafhoppers Leaf rollers Lecanium scale (crawlers) Obliquebanded leaf roller Plum curculio Red banded leafroller Spanworm Variegated Leafroller Spotted Winged Drosophila	3.4 – 8.5	0.04 - 0.1	with ground equipment. Thorough coverage is essential to achieve control. Make application at the onset of infestation reaching locally determined economic thresholds.
Banks Grass Mite Carmine Mite Lygus Species Pacific Spider Mite Twospotted Spider Mite	6.8 – 8.5	0.08 - 0.1	

Foliar Restrictions:

- Do not make applications less than 7 days apart.
- Do not apply within 1 day of harvest.

Bushberries (Crop Subgroup 13-07B) Restrictions:

• Do not apply more than 0.5 lb ai/A per season including at-plant, PRI, PRE and foliar application of **A110.04** and other bifenthrin containing products.

[*][Not for Use in California]

CANEBERRIES (Crop Subgroup 13-07A)[*]

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

At-Plant

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Wireworm White Grubs	8.5	0.1	Apply as a 5 to 7 inch band (T-band) over an open furrow in sufficient water for planting, or in-furrow with the seed. May be applied through transplant water at time of transplanting.

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Wireworm	PRE	PRE	
White Grubs	8.5	0.1	

PPI	PPI	A110.04 can be tank mixed and applied with PPI
8.5	0.1	pesticides labeled for site preparation.
		Incorporation of A110.04 should not be any deeper
		than the intended planting depth. Incorporation
		depth should be close to the intended planting
		depth.

PEST	USI	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Leafrollers Orange Tortrix Root Weevils Spotted Winged Drosophila	4.3 – 8.5	0.05 - 0.1	Apply 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. For Crown Borer, apply 0.1 lb ai/a post harvest (fall) or pre bloom (spring), as a drench application directed at the crown of plants in a minimum of 200 gallons water per acre. Greater efficacy is observed at higher gallons (up to 400 gallons/a) or in an application prior to a significant rainfall event. Do not make both pre bloom foliar and pre bloom drench applications.
Raspberry Crown Borer Spider Mites	8.5	0.1	

Foliar Restrictions:

- One application may be made pre bloom and a second application may be made post bloom.
- Do not apply within 3 days of harvest.

Caneberries (Crop Subgroup 07A) Restrictions:

• Do not exceed 0.2 lb ai/A per season including at-plant, PRI, PRE, and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for Use in California]

CANOLA, CRAMBE, RAPESEED[*]

At-Plant

PEST	USE RATES		DIRECTIONS
	Fluid oz/A Pound ai/A		
Army cutworm	6.83	0.08	Apply as a 5 to 7 inch band (T-band) over an open
Armyworm species			furrow, or in-furrow with the seed.

Cutworm species		
Grape colaspis		
Grubs		
Root aphids		
Seed corn beetle		
Seed corn maggot		
Stalkborer		
Sugarcane beetle		
True armyworm		
Wireworm		

PPI & PRE

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm	PRE	PRE	A110.04 can be tank mixed and applied with PRE
Armyworm species	6.83	0.08	herbicides
Cutworm species	PPI	PPI	A110.04 can be tank mixed and applied with PPI
Grape colaspis	6.83	0.08	herbicides. Incorporation of A110.04 should not be
Grubs			any deeper than the intended planting depth and
Root aphids			no deeper than 3 inches. Incorporation depth
Seed corn beetle			should be close to the intended seed planting
Seed corn maggot			depth.
Stalkborer			·
Sugarcane beetle			
True armyworm			
Wireworm (PPI only)			

Foliar

PEST	USE RATES		DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Aphids Armyworms Cutworms Diamondback Moth Loopers Other Lepidopterous Larvae Flea Beetle Flea Hopper Grasshopper Plant Bug Stink Bugs Seedpod Weevil Thrips Whitefly	2.8 - 3.4	0.033 - 0.04	Apply in a minimum of 2 gallons 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.	

Foliar Restrictions:

- Do not make applications less than 14 days apart.
- Do not apply within 35 day of harvest.

Canola, Crambe, and Rapeseed Restrictions:

• Do not apply more than 0.08 lb ai/A per season including at-plant, PRI, PRE, and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for Use in California]

CILANTRO, CORIANDER

At-Plant

PEST	USE RATES			DIRECTIONS
	Fluid oz/A Fluid oz/1000 Pound ai/A		Pound ai/A	
		Linear ft.		
Armyworm species	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	Apply as a 5 to 7 inch band over the row on
Cutworm species				the soil surface, a 5 to 7 inch band over the
Flea beetle larvae				open furrow (T-band) in-furrow with the
Wireworm				seed, or broadcast to the soil surface.

At-plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm	PRE	PRE	A110.04 can be tank mixed and applied with PRE
Armyworm species	3.4 – 6.8	0.04 - 0.08	herbicides
Cutworm species	PPI	PPI	A110.04 can be tank mixed and applied with PPI
Grape colaspis	3.4 – 6.8	0.04 - 0.08	herbicides. Incorporation of A110.04 should not be
Grubs			any deeper than the intended planting depth and
Root aphids			no deeper than 3 inches. Incorporation depth
Seed corn beetle			should be close to the intended seed planting
Seed corn maggot			depth.
Wireworms (PPI Only)			

PEST	US	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids Beet Armyworm Cabbage Looper Cutworm Flea beetle Grasshoppers Leafminer Saltmarsh caterpillar Spotted Cucumber beetle Thrips Whitefly	2.8 – 8.5	0.033 - 0.1	Apply using sufficient water to obtain uniform coverage. 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
Two Spotted Spider Mite	6.8 – 8.5	0.08 - 0.1	

Foliar Restrictions:

- Do not make applications less than 7 days apart.
- Do not apply within 3 day of harvest.

Cilantro and Coriander Restrictions:

• Do not apply more than 0.5 lb ai/A per season including at-plant, PPI, PRE and foliar applications of **A110.04** and other bifenthrin containing products.

CITRUS (Crop Group 10-10)

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

Use Directions:

When applied as directed, **A110.04** will provide control of the following pests listed in the table below. Apply **A110.04** by ground equipment to bare soil beneath citrus trees. **A110.04** 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 insure greater uniformity of coverage. A pre- and post-application irrigation may aid in the uniformity of coverage as well.

A110.04 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 **A110.04** as they attempt to burrow into the root zone. Disturbance of the soil beneath trees should be minimized.

Timing of **A110.04** applications 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 and Fuller Rose Beetle typically exhibit a single emergence peak in the spring. Brown and Little Leaf Notchers typically exhibit three emergence peaks, spring, summer and fall. Since emergence varies seasonally and by location, timing of **A110.04** application can be accurately forecast 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 to 3 weeks following adult emergence. It is critical to have the **A110.04** soil barrier in place prior to drop of the neonates.

A110.04 is one of several effective tools in an integrated pest management program for Citrus Root Weevils. Application of **A110.04** 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.

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, 42.5 fluid ounces 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, 21.25 fluid ounces formulated product can be applied early season and 21.25 fluid ounces formulated product can be applied later in the season.

BARE SOIL SURFACE UNDER DRIP LINE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Asian cockroach	8.5 - 21.25	0.1 - 0.25	Apply the specified dosage in a minimum of 40
Fire ants (Solenopsis species)			gallons of finished spray per acre.
Blue Green Citrus Root Weevil Brown Leaf Notcher Diaprepes Root Weevil Little Leaf Notcher Southern Blue Green Citrus Root Weevil	21.25- 42.5	0.25 - 0.5	

Restrictions:

- Do not allow any application of **A110.04** to contact fruit or foliage.
- Do not apply more than a total of 42.5 fluid ounces of formulated product (0.5 pound active ingredient) per acre per year.
- Do not apply by air.

CORN

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

Use Directions:

Heavy Corn Rootworm Pressure Management Program: In areas where large corn rootworm populations are present, a multi-approach system may be needed for optimal pest management. However, if the population level is

not known and if a corn rootworm adult scouting program along with threshold adult control measures were not completed during the previous growing season, then utilize a maximum dosage seed treatment program or genetically modified corn rootworm resistant hybrid in addition to **A110.04**.

At-plant

PEST			USE RAT	ES
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	DIRECTIONS
Corn Rootworm larvae (Northern, Southern and Western)	6.8 - 17.0	0.39 - 0.98	0.08 - 0.2	Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. For Army cutworm, Stalkborer, Cutworm species,
Army cutworm Armyworm species Cutworm species Grape colaspis Grubs Root aphids Seed corn beetle Seed corn maggot Stalkborer Sugarcane beetle True armyworm Wireworm	3.4 - 13.6	0.2 - 0.78	0.04 - 0.16	True armyworm or Armyworm species, apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), in-furrow with the seed, or broadcast to the soil surface.

At-Plant Restrictions:

- Do not apply more than 0.2 pound active per acre per season as an at-plant application.
- For field corn Do not apply more than 0.3 lb ai/A per season including PPI, at-plant, pre-emergence, and foliar applications of other bifenthrin products (such as Brigade 2EC or Batallion 2 EC).
- For sweet corn Do not apply more than 0.2 lb ai/A total per season including PPI, at-plant, preemergence, and foliar applications of other bifenthrin products (such as Brigade 2EC or Batallion 2 EC).

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Armyworm species	PPI	PPI	A110.04 can be tank mixed and
Black Cutworm	4 – 5.3	0.047 - 0.062	applied with PPI herbicides.
Grape colaspis			Incorporation of A110.04 should
Seed corn beetle			not be any deeper than the
Seed corn maggot			intended planting depth and no
White Grub			deeper than 3 inches. Incorporation
Wireworm			depth should be close to the
			intended seed planting
			depth.
Armyworm species	PRE	PRE	A110.04 can be tank mixed and
Black Cutworm	3.4	0.04	applied with PRE herbicides.
Seed corn beetle			
Stalkborer			

PEST	USE RA	ATES	APPLICATION INSTRUCTIONS
	Fluid oz/A	Pound ai/A	APPLICATION INSTRUCTIONS
Aphids	2.8 - 8.5	0.033-0.1	Apply in a minimum of 2-5 gallons of finished spray per acre
Army Cutworm			by aircraft or in a minimum of 10 gallons per acre with
Beet Armyworm			ground equipment. To improve control by aircraft, use 5
Cereal Leaf Beetle			gallons of finished spray per acre particularly when initial
Chinch Bug			populations are heavier than normal.
Common Stalk Borer			
Corn Earworm ¹			When applying by air, 1-2 quarts of emulsified oil may be
Corn Rootworm (Adult)			substituted for 1-2 quarts of water in the finished spray.
Cucumber Beetle (Adults)			
Cutworm Species			Thorough coverage is essential to achieve control.
European Corn Borer ²			
Fall Armyworm			¹ To Control Ear-Attacking Pests: Apply A110.04 just before
Flea Beetle			silking and repeat as necessary to maintain control.
Grasshoppers			
Greenbug			² Southwestern Corn Borer, European Corn Borer: Make
Japanese Beetle (Adult)			application for corn borer control with initial application at or
Sap Beetle			shortly before egg hatch.
Southern Armyworm			For Control Of Other Insect Pests: Apply when pests first
Southern Corn Leaf Beetle			appear and repeat as necessary.
Southwestern Corn Borer ²			
Stinkbugs			³ For Control of Mites: Apply for Banks Grass Mite control
Tarnished Plant Bug			when colonies first form prior to leaf damage or discoloration
True Armyworm			and before dispersal above the bottom third of the plant.
or			For Twospotted Spider Mite and Carmine Mite control,
Armyworm Species			apply when colonies first form prior to leaf damage or
Webworms			discoloration and before widespread mite dispersal
Western Bean Cutworm			throughout the canopy. Higher rates will be necessary for
Yellowstriped Armyworm			heavier initial populations and corn under heat or
Banks Grass Mite ³	6.8 - 8.5	0.08 - 0.1	drought stress. Field experience with dimethoate at 0.5
Carmine Mite ³			lb. active per acre in tank mixture has demonstrated
Twospotted Spider Mite ³			good control under these conditions.
			For Mite Control In Texas, New Mexico, Oklahoma, and
			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.

Foliar Restrictions:

- For field corn
 - o Do not apply within 30 days of harvest for field corn (grain and silage), popcorn, field corn grown for seed.
 - o Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application for field corn (grain and silage), popcorn, field corn grown for seed.
- For sweet corn
 - o Do not apply within 1 day of harvest for sweet corn or sweet corn grown for seed.
 - Do not graze livestock in treated areas or cut treated crops for feed within 1 day of the last application for sweet corn or sweet corn grown for seed.
- 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 Restrictions:

• For field corn

 Do not apply more than 0.3 lb ai/A total per season including ppi, at-plant, pre-emergence, and foliar applications of A110.04 and other bifenthrin products.

For sweet corn

On not apply more than 0.2 lb ai/A total per season including ppi, at-plant, pre-emergence, and foliar applications of **A110.04** and other bifenthrin products.

COTTON[*]

At-plant

PEST	USE RATES					
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	DIRECTIONS		
Cutworm spp White Grub Wireworm Grape colaspis Root Maggot Seedcorn Maggot	1.7 – 8.5	0.1 – 0.5	0.02 - 0.1	Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed.		

PPI & PRE

PEST	USI	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Cutworm species	PRE	PRE	
	3.4 – 8.5	0.04 - 0.1	
Cutworm species	PPI	PPI	A110.04 can be tank mixed and
White Grub	3.4 – 8.5	0.04 - 0.1	applied with PPI herbicides.
Wireworm			Incorporation of A110.04 should
Grape colaspis			not be any deeper than the
Root maggot			intended planting depth and no
Seedcorn maggot			deeper than 3 inches. Incorporation
			depth should be close to the
			intended seed planting depth.

PEST	US	E RATES	DIRECTIONS	
	Fluid oz/A	Pound ai/A		
European Corn Borer Soybean (Banded) Thrips Tobacco Thrips			Apply as needed using sufficient water to obtain uniform coverage. Apply with ground equipment using a minimum of 5 gallons of finished spray per acre or a minimum of 1 gallon per acre by aircraft.	
			A110.04 may be applied in water or refined vegetable oil (soybean/cottonseed).	
	1.7 – 8.5	0.02 - 0.1	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 A110.04 in refined vegetable oil in a minimum of 1 quart of finished spray per acre with aircraft calibrated to give adequate coverage.	
Boll Weevil ¹ Bollworm Cabbage Looper Cotton Aphid ² Cotton Fleahopper Cotton Leafperforator Cutworms Fall Armyworm Plant Bugs Saltmarsh Caterpillar Southern Garden Leafhopper Stink Bugs Tobacco Budworm Whitefly Yellow Striped Armyworm	3.4 – 8.5	0.04 - 0.1	¹ Boll Weevil: Apply A110.04 at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels. ² Aphids and Mites: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established.	
Beet Armyworm Carmine Spider Mite ² Lygus species Pink Bollworm Twospotted Spider Mite ²	5.1 – 8.5	0.06 - 0.1		

Foliar Restrictions:

- Do not apply within 14 days of harvest.
- Do not graze livestock in treated areas or cut treated crops for feed.

Cotton Restrictions:

- Do not apply more than 0.5 lb ai/A per season including at-plant, PRE, PPI, and foliar applications of **A110.04** and other bifenthrin containing products in all states [except in California].
 - [For California do not apply more than 0.3 pounds active per acre per season.]

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 but are not limited to Ambush®, Ammo®, Asana® XL, Baythroid®, Baythroid XL®, Brigade® or Batallion™ 2 EC, Capture®, Danitol®, Declare ®, Discipline®, Fanfare®, Karate® or Serpent™ 1 EC, and Mustang®.

[*][Not for Use in California]

CUCURBITS (Crop Group 9)

Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd, edible *Lagenaria* species (includes hyotan, cucuzza), *Luffa* species (includes hechima, Chinese okra), *Momordica* species (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of Cucumis melo) (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).

At-plant

PEST		USE RATES						
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	DIRECTIONS				
Cucumber beetle larvae	6.8 – 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow				
Army cutworm Armyworm species Cutworm species Flea beetle larvae Grubs True Armyworm Wireworm	3.4 – 6.8	0.2 – 0.39	0.04 – 0.08	with the seed. May be applied through transplant water at time of transplanting. To control cucumber beetle larvae, apply as a 5 to 7 inch band over an open furrow (T-band), or in-furrow with the seed. To control wireworm, grubs, and flea beetle larvae, apply as a 5 to 7 inch band over an open furrow (T-band), or in-furrow with the seed or transplant To control army cutworm, cutworm species, true armyworm and armyworm species, apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), in-furrow with the seed, broadcast to the soil surface or banded over the row.				

At Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Seed Corn Maggot	PRE	PRE	A110.04 can be tank mixed and
Wireworms	6.8 – 8.5	0.08 - 0.1	applied with PRE pesticides. Apply
Army cutworm			through drip of drip tape. Apply

Armyworm species			when soil is moist towards the end
Cutworm species			of the irrigation run.
Flea beetle larvae	PPI	PPI	A110.04 can be tank mixed and
Grubs	6.8 – 8.5	0.08 - 0.1	applied with PPI labeled pesticides.
True Armyworm			Incorporation of A110.04 should not
			be any deeper than the intended
			planting depth. Incorporation depth
			should be close to the intended
			depth
			Apply through drip or Drip tape.
			Apply when soil is moist towards the
			end of the irrigation run.

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids Armyworms Cabbage Looper Corn Earworm Cucumber beetles Cutworms Grasshopper Leafhoppers Melonworm Pickleworm Plant Bug Rindworm Squash Bugs Squash Vine Borer Stink Bugs Tobacco Budworm	3.4 – 8.5	0.04 - 0.1	Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds Apply 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
Carmine Mite Lygus species Mite Twospotted Spider Mite Whitefly	6.8 – 8.5	0.08 - 0.1	

Foliar Restrictions:

- 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

Cucurbits (Crop Group 9) Restrictions:

• Do not apply more than 0.3 lb ai/A per season including At-plant, PRE & PPI, and foliar applications of **A110.04** and other bifenthrin containing products.

DRIED BEANS AND PEAS (Crop Subgroup 6C)

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 (Piscum), Field pea, Pigeon pea, purple hulled peas

At-Plant

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000	Pound ai/A	
		Linear ft.		
Corn rootworm	6.8 – 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band over the
larvae				row on the soil surface, 5 to 7 inch
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	band (T-band) over an open furrow, or
Armyworm species				in-furrow with the seed. Apply
Cutworm species				broadcast to the soil surface for
Grape colaspis				control of Army cutworm, Cutworm
Grubs				species, True armyworm, or
Root maggot				Armyworm species.
True armyworm				
Wireworm				

At- Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

PPI & PRE

PEST	USI	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	7
Army cutworm	PRE	PRE	A110.04 can be tank mixed and
Armyworm species	6.8 – 8.5	0.08 - 0.1	applied with PRE herbicides. Apply
Cutworm species			in a minimum of 10 gallons per
Grape colaspis			acre.
Grubs	PPI	PPI	A110.04 can be tank mixed and
Root maggot	6.8 - 8.5	0.08 - 0.1	applied with PPI herbicides.
True armyworm			Incorporation of A110.04 should
Wireworm (PPI only)			not be any deeper than the
			intended planting depth and no
			deeper than 3 inches.
			Incorporation depth should be
			close to the intended seed planting
			depth. Apply in a minimum of 10
			gallons per acre.

PEST	US	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aster Leafhopper			Apply in a minimum of 2 gallons finished spray per
Flea Beetle	2.1 – 8.5	0.025 - 0.1	acre by air or in a minimum of 10 gallons per acre
Grasshoppers	2.1 0.5	0.025 0.1	with ground equipment. Thorough coverage is
Leafhoppers			essential to achieve control.
Alfalfa Caterpillar			
Aphids			When applying by air 1-2 quarts of emulsified oil
Bean Leaf Beetle			may be substituted for 1-2 quarts of water in the
Beet Armyworm			finished spray. Thorough coverage is essential to
Cloverworm			achieve control
Corn Earworm			
Corn Rootworm (Adult)			
Cucumber Beetles			
Cutworms			
European Corn Borer			
Fall Armyworm			
Grasshoppers			
Imported cabbageworm			
Japanese beetle (Adult)			
Leafminer			
Loopers	2.8 – 8.5	0.033 - 0.1	
Mexican Bean Beetle	2.0 0.5	0.033 - 0.1	
Pea Leaf Weevil			
Pea Weevil			
Plant Bug			
Saltmarsh caterpillar			
Sap Beetle			
Southern Armyworm			
Stink Bugs			
Tarnished Plant Bug			
Thrips			
Twospotted Spider Mite			
Tobacco budworm			
Webworms			
Western Bean Cutworm			
Whitefly			
Yellowstriped Armyworm			
Banks Grass Mite			
Carmine Mite	6.8 - 8.5	0.08 - 0.1	
Lygus Species			

Foliar Restrictions:

- Do not apply within 14 days of harvest
- Do not make applications less than 7 days apart

Dried Beans and Peas (Crop Subgroup 6C) Restrictions:

• Do not apply more than 0.2 lb ai/A to peas, or 0.3lb ai/A to beans per season including At-Plant, PRE & PPI, and Foliar applications of **A110.04** and other bifenthrin containing products.

EGGPLANT

At-Plant

PEST		USE RATES		DIRECTIONS
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	
Army cutworm Armyworm species Cutworm species Grubs Root maggot True armyworm Wireworm	3.4 – 6.8	0.2 – 0.39	0.04 – 0.08	Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), or in-furrow with the transplant or seed. Apply broadcast to the soil surface for control of Army Cutworm, Cutworm species, True Armyworm or Armyworm species.

At-Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

PPI & PRE

PEST	US	SE RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm	PRE	PRE	A110.04 can be tank mixed and
Armyworm species	8.5	0.1	applied with PRE pesticides
Cutworm species			Post Plant Soil Applied: Apply
Grubs			through drip or Drip tape. Apply
Root maggot			when soil is moist towards the end
True armyworm			of the irrigation run.
Wireworm	PPI	PPI	A110.04 can be tank mixed and
	3.4 – 8.5	0.04 - 0.1	applied with PPI labeled pesticides.
			Incorporation of A110.04 should
			not be any deeper than the
			intended
			planting depth. Incorporation depth
			should be close to the intended
			depth.
			Post Plant Soil Applied: Apply
			through drip or Drip tape. Apply
			when soil is moist towards the end
			of the irrigation run.

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Armyworms			Thorough coverage is necessary to attain
(Including Beet)			acceptable control. Make application at the
Armyworm Fall			onset of infestation reaching locally determined
Armyworm Southern			economic thresholds.
Cabbage Looper	2.8 – 8.5	0.033 - 0.1	
Colorado Potato Beetle			Apply in a minimum of 2 gallons of finished
Corn Earworm			spray per acre by air or in a minimum of 10 gallons
Cucumber Beetle			per acre with ground equipment.
Cutworms			

European Corn Borer			When applying by air, 1-2 quarts of emulsified oil
Flea Beetle			may be substituted for 1-2 quarts of water in the
Leafminers			finished spray.
Loopers			
Pepper weevil			Thorough coverage is essential to achieve
Plant Bug			control.
Stink Bug			
Thrips			
Tomato Hornworm			
Tomato Pinworm			
Vegetable Leafminer			
Whitefly			
Yellowstriped Armyworm			
Banks Grass Mite			
Broad Mite			
Carmine Mite	6.8 - 8.5	0.08 – 0.1	
Lygus species	0.6 - 6.5	0.06 - 0.1	
Pacific Spider Mite			
Twospotted Spider Mite			

Foliar Restrictions:

- Do not apply within 7 days of harvest
- Do not make applications less than 7 days apart

Eggplant Restrictions:

• Do not apply more than 0.2 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of **A110.04** and other bifenthrin containing products.

GRAPES[*]

At-Plant

PEST	USI	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape Phylloxera			Apply at time of planting over an
(suppression only)	8.5	0.1	open furrow in sufficient water for
White Grubs			planting. May be applied through
Wireworms			transplant water at time of
			transplanting.

PPI (Site Preparation) & PRE

PEST	US	SE RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape Phylloxera (suppression only)	PRE	PRE	A110.04 can be tank mixed and
Vine Mealybug	8.5	0.1	applied with PRE pesticides.
			Post Plant Soil Applied: Apply
			through drip or Drop Tape. Apply
			when soil is moist towards the end
			of the irrigations run.
	PPI	PPI	A110.04 can be tank mixed and
	8.5	0.1	applied with PPI pesticide labeled
			for site preparation. Incorporation
			of A110.04 should not be any

	deeper than the intended planting
	depth. Incorporation depth should
	be close to the intended depth.
	Post Plant Soil Applied: Apply
	through drip or Drop Tape. Apply
	when soil is moist towards the end
	of the irrigations run.

PEST	USE	RATES	DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Cutworms Eastern Grape Leafhopper Grape Berry Moth Japanese Beetles (Adults) Lady Beetle (Scymnus spp.) Variegated Leafhopper Western Grape Leafhopper Grapevine root borer	4.3 – 8.5	0.05 - 0.1	Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds. Apply in a minimum of 10 gallons of finished spray by air or in a minimum of 25 gallons of finished spray with ground equipment. When applying by air, 1 to 2 quarts of emulsified oil	
Black Vine Weevil Glassywinged Sharpshooter Twospotted Spider Mite	8.5	0.1	may be substituted for 1 to 2 quarts of water in the finished spray. When pest pressure is moderate to severe, use higher rate.	

• Do not apply within 30 days of harvest.

Grape Restrictions:

Do not apply more than 0.10 lb ai per acre per season including at-plant, PPI, PRE and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for Use in California]

HEAD LETTUCE

At-Plant

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000	Pound ai/A	1
		Linear ft.		
Rootworm larvae	6.8 – 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band over the
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	row on the soil surface, a 5 to 7 inch
Armyworm species				band over the open furrow (T-band),
Bulb mites				or in-furrow with the seed.
Cutworm species				Apply broadcast to the soil surface for
Grubs				control of Army cutworm, Cutworm
Lettuce root aphid				species, True armyworm, armyworm
Root maggot				species, or bulb mites.
True armyworm				
Wireworm				

At-Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

PPI

PEST	USE RATES		
	Fluid oz/A	Pound ai/A	
Lettuce Root Aphid			
Garden Symphians	6.8 – 8.5	0.08 - 0.1	

Foliar

PEST	US	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids Armyworms Corn earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Imported Cabbageworm Leafhoppers Loopers Salt Marsh Caterpillar Stink Bug species Tobacco Budworm Whitefly	2.8 – 8.5	0.033 – 0.1	Apply 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.
Carmine Mite Lygus Species Twospotted Spider Mite	6.8 – 8.5	0.08 – 0.1	

Foliar Restrictions:

- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

Head Lettuce Restrictions:

• Do not apply more than 0.5 lb ai per acre per season including at-plant, PPI, PRE and foliar applications of **A110.04** and other bifenthrin containing products.

HOPS[*]

At-Plant

PEST			DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape colaspis	5.1 – 8.5	0.06 - 0.1	Apply in a T-band that ensures coverage of the entire
Rootworms			furrow, immediately prior to planting, or at planting
Sweet potato flea			May also be applied as a soil drench with transplant
beetle			water at time of transplanting.
White grub			
Wireworm			Apply in a minimum of 10 gallons per acre of spray.

Lay-By

PEST			DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape colaspis Rootworms White grub Wireworms	5.1 – 8.5	0.06 - 0.1	Apply A110.04 to the transplant area and incorporate with cultivation equipment set to throw soil towards the hill.
			Apply in a minimum of 10 gallons per acre of spray.

PPI

PEST			DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape colaspis	PPI	PPI	Apply A110.04 to the transplant area and incorporate
Rootworms	5.1 – 8.5	0.06 - 0.1	to planting depth.
White grub			
Wireworms			Apply in a minimum of 10 gallons per acre of spray.
			May be applied as a broadcast application or an
			incorporated band application

PRE & Post Plant Soil Applied

PEST			DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape colaspis Rootworms White grub Wireworms	PRE 5.1 – 8.5	PRE 0.06 - 0.1	Apply through drip or Drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids			Application by ground: For best results, full
Armyworms			coverage is essential. Early season recommend 100
Cutworms	5.1 – 8.5	0.06 - 0.1	– 150 gallons of spray per acre. Late season
Leafrollers			recommend 200 – 250 gallons of spray per acre.
Loopers			For Root Weevil control, make a directed spray to
Root Weevils	4.3 – 8.5	0.05 - 0.1	the base of the plant. Spray up the vine 3 feet and

Twospotted spider mite	8.5	0.1	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 6.4 oz (0.1 lb ai) per application in a minimum of 10 gallons per acre.
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Foliar Restrictions:

- Do not exceed 0.1 lb ai per acre per foliar application.
- Do not make applications less than 21 days apart
- Do not apply witin 14 days of harvest.

Hops Restrictions:

- Do not exceed 0.3 lb ai per acre per season including at-plant, PRE, PPI, Layby and foliar application of **A110.04** and other bifenthrin containing products.
- Use of ultra low volume (ULV) application on hops is prohibited.

[*][Not for Use in California]

LEAFY BRASSICAS (Crop Subgroup 5 B), TURNIP GREENS

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

At-Plant

PEST		USE RATES		DIRECTIONS
	Fluid	Fluid oz/1000	Pound ai/A	
	oz/A	Linear ft.		
Rootworm larvae	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5-7 inch band over the row
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	on the soil surface, a 5-7 inch band
Armyworm spp.				over the open furrow (T-band), or in-
Cutworm spp.				furrow with the seed or transplant.
Grubs				May be applied through transplant
Lettuce root aphid				water at time of transplanting.
Root maggot				Apply broadcast over the soil surface
True armyworm				for control of Army cutworm, Cutworm
Wireworm				species, True armyworm or armyworm
				species.

At- Plant Restrictions:

Do not apply more than 0.1 lb ai/A per season as an at-plant application.

PPI & PRE

PEST			DIRECTIONS
	Fluid oz/A	Pound ai/A	
Lettuce root aphid Root Maggots Wireworms Army cutworm Armyworm species	PRE 3.4 – 6.8	PRE 0.04 - 0.08	A110.04 can be tank mixed and applied with PRE pesticides. Post Plant Soil Applied: Apply thorugh drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
Cutworm species Flea beetle larvae Grubs True Armyworm	PPI 3.4 – 6.8	PPI 0.04 - 0.08	A110.04 can be tank mixed and applied with PPI labeled pesticides. Incorporation of A110.04 should not be any deeper than the intended planting depth. Incorporation depth should be close to the intended depth.

	Post Plant Soil Applied: Apply thorugh drip or drip tape. Apply when soil is moist towards the end of irrigation run.
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PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids Armyworms Corn Earworm Cutworms Crickets Cucumber Beetles Diamondback Moth Flea Beetles Grasshoppers Ground Beetles Imported Cabbageworm Japanese Beetle (adult) Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Tobacco Budworm Thrips Whitefly Wireworm (adults)	2.8 – 8.5	0.033 - 0.1	Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds. 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.
Banks Grass Mite Carmine Mite Lygus species Pacific Spider Mite Twospotted Spider Mite	6.8 - 8.5	0.08 - 0.1	

Foliar Restrictions:

- Do not make applications less than 7 days apart
- Do not apply witin 7 days of harvest.

Leafy Brassica (Crop Subgroup 5B) and Turnip Greens Restrictions:

• Do not apply more than 0.4 lb ai/A per season including at-plant, PPI, PRE, and foliar applications of **A110.04** and other bifenthrin containing products.

LEAFY PETIOLE VEGETABLES (Crop Subgroup 4B)[*]

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

At-Plant

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Lettuce Root Aphid Garden Symphlans Cutworm spp.	3.4 – 8.5	0.04 - 0.1	Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. May be applied through transplant water at time of transplanting.

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm	PRE	PRE	A110.04 can be tank mixed and applied with labeled
Armyworm species	3.4 - 8.5	0.04 - 0.1	PRE pesticides.
Cutworm species			
Flea beetle larvae			
Grubs			
True Armyworm	PPI	PPI	A110.04 can be tank mixed and applied with PPI labeled
Wireworm	8.5	0.1	pesticides.
True armyworm			
			Incorporation of A110.04 should not be any deeper
			than the intended planting depth. Incorporation depth
			should be close to the intended depth.

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids Armyworms Corn Earworm Crickets Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Ground Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (adults)	3.4 – 8.5	0.04 - 0.1	Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds. 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.
Banks Grass Mite Carmine Mite Lygus species Pacific Spider Mite	6.8 - 8.5	0.08 - 0.1	

Twospotted Spider Mite				
Foliar Restrictions:	ake annlications	less than 7 days ana	rt	

- Do not apply witin 7 days of harvest.

Leafy Petiole Restrictions:

- Do not apply more than 0.5 lb. active ingredient per acre per season including at-plant, PPI, PRE and foliar applications of A110.04 and other bifenthrin containing products.
- [*][Not for Use in California]

MAYHAW[*]

PPI & PRE

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
White Grub	PRE	PRE	A110.04 can be tank mixed and applied with labeled
Wireworm	8.5	0.1	PRE pesticides.
	PPI	PPI	A110.04 can be tank mixed and applied with PPI
	8.5	0.1	pesticides labeled for site preparation. Incorporation of
			A110.04 should not be any deeper than the intended
			planting depth. Incorporation depth should be close to
			the intended depth.

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Plum Curculio	6.8 – 8.5	0.08 - 0.1	Apply foliar treatments in at least 28 gallons per acre

Foliar Restrictions:

- Apply no more than once every 7 days.
- Do not apply within 30 days of harvest

Mayhaw Restrictions:

Do not apply more than 0.2 lb ai per acre per season including at-plant, PRE, PPI and foliar applications of A110.04 and other bifenthrin containing products.

[*][Not for Use in California]

OKRA

At- Plant

PEST		USE RATES		DIRECTIONS
	Fluid	Fluid oz/1000	Pound ai/A	
	oz/A	Linear ft.		
Armyworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	Apply as a 5 to 7 inch band over the
Cutworm spp				row on the soil surface, a 5 to 7 inch
Flea beetle larvae				band over the open furrow (T-band),
Grape colaspis				in-furrow with the seed, or broadcast
Root maggot				to the soil surface.
Wireworm				
White Grub				

At- Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Cutworm spp	PRE	PRE	A110.04 can be tank mixed and applied with PPI or PRE
	3.4 - 8.5	0.04 - 0.1	herbicides. Incorporation of A110.04 should not be any
			deeper than the intended planting depth and no deeper
			than 3 inches. Incorporation depth should be close to
			the
Cutworm species	PPI	PPI	intended seed planting depth.
Flea beetle larvae[*]	3.4 – 8.5	0.04 - 0.1	
Wireworm			
White Grub			
Grape colaspis			
Root maggot			

PPI & PRE Restrictions:

[*][Not for Use in California]

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids			Apply as needed using sufficient water to obtain
Armyworms			uniform coverage.
Corn earworm			
Cucumber Beetles			Apply with ground equipment using a minimum of
Cutworms			10 gallons of finished spray per acre or a minimum
European Corn Borer			of 2 gallons per acre by aircraft.
Flea Beetles	2.8 – 8.5	0.033 - 0.1	
Japanese Beetle (Adult)			
Leafminers			
Loopers			
Stink bugs			
Thrips			
Whitefly			

Broad Mite			
Carmine Mite	6.8 – 8.5	0.08 - 0.1	
Lygus species	0.6 - 6.5	0.06 - 0.1	
Twospotted Spider Mite			

- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

Okra Restrictions:

 Do not apply more than 0.2 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of A110.04 and other bifenthrin products.

PEANUT[*]

At- Plant

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	
Thrips, Leafhoppers, Aphids, and Wireworms	6.8 – 8.5	0.39 – 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed.

Foliar

PEST	US	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Beet Armyworm			Apply in a minimum of 10 gallons per acre with
Corn Earworm			ground equipment or 2 gallon per acre by air craft
Cutworm species			
Fall Armyworm			
Grasshoppers			
Green Cloverworm			
Leafhoppers			
Lesser Cornstalk borer			
Loopers	2.8 – 8.5	0.033 - 0.1	
Rednecked peanut worm			
Southern Armyworm			
Southern Corn Rootworm			
Stink Bugs			
Threecornered alfalfa			
hopper			
Velvetbean caterpillar			
Yellowstriped armyworm			
Aphids			
Spider Mites	6.8 – 8.5	0.08 - 0.1	
Thrips	0.8 - 8.5	0.08 - 0.1	
Whitefly			

Foliar Restrictions:

- 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.

Peanut Restrictions:

• Do not apply more than 0.5 lb ai per acre per season including at-plant, PPI, PRE and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for Use in Califronia]

PEARS[*]

Foliar

PEST	US	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids Codling Moth Cutworms Green Fruitworm Leafhoppers Leafminers Leafrollers Lygus species Plant Bugs Plum Curculio San Jose Scale (Crawlers) Stink Bugs Tarnished Plant Bugs	3.4 – 17.1	0.04 - 0.2	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.
Twospotted Spider mite Yellow Mite	5.1 – 17.1	0.06 - 0.2	
European Red Mite	6.8 – 17.1	0.08 - 0.2	

Foliar Restrictions:

- Do not make applications less than 30 days apart.
- Apply up to 14 days prior to harvest.
- Do not graze livestock in treated orchards or cut treated cover crops for feed

Pear Restrictions:

Do not apply more than 0.5 pound active per acre per season including at-plant, PRE, PPI and foliar
applications of A110.04 and other bifenthrin containing products with no more than 0.45 pound active per
acre applied after petal fall.

[*][Not for Use in California]

PEPPERS (BELL and NON-BELL) & PEPINO

PEST		USE RATES		DIRECTIONS
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	
Army Cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	Apply as a 5 to 7 inch band over the
Armyworm species				row on the soil surface, a 5 to 7 inch
Cutworm species				band over the open furrow (T-band), or
Flea beetle larvae				in-furrow with the transplant or seed.
Grubs				May be applied through transplant
Pepper maggot				water at time of transplanting.
Root aphid				Apply broadcast over the soil surface
Root maggot				for control of Army cutworm, Cutworm
Stalk borer				

True armyworm				species, True armyworm, Armyworm			
Wireworm				species, or Stalk borer			
At Plant Restrictions:							
Do not combumous them 0.1 lb ci/A non concern or on at plant anniversities							

Do not apply more than 0.1 lb ai/A per season as an at-plant application

PPI & PRE

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm	PRE	PRE	A110.04 can be tank mixed and applied with PRE
Armyworm species	8.5	0.1	pesticides Post Plant Soil Applied: Apply through drip or
Cutworm species			drip tape. Apply when soil is moist towards the end of
Flea beetle larvae			the irrigation run.
Grubs			
True Armyworm	PPI	PPI	A110.04 can be tank mixed and applied with PPI labeled
Wireworm	3.4 - 8.5	0.04 - 0.1	pesticides.
			Incorporation of A110.04 should not be any deeper
			than the intended planting depth. Incorporation depth
			should be close to the intended depth.
			Post Plant Soil Applied: Apply through drip or drip tape.
			Apply when soil is moist towards the end of the
			irrigation run.

PEST	PEST USE RAT		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Armyworms (Including Beet) Armyworm Fall Armyworm Southern Cabbage Looper Colorado Potato Beetle Corn Earworm Cucumber Beetle Cutworms European Corn Borer Flea Beetle Leafminers Loopers Pepper weevil Plant Bug Stink Bug Thrips Tomato Hornworm Tomato Pinworm Vegetable Leafminer Whitefly Yellowstriped Armyworm	2.8 – 8.5	0.033 - 0.1	Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds. 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 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.
Broad Mite Carmine Mite Lygus species Pacific Spider Mite[*]	6.8 – 8.5	0.08 - 0.1	
Twospotted Spider Mite			

- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

[*][Not for Use in California]

Pepper (Bell and Non-Bell) Restrictions:

• Do not apply more than 0.2 lb ai/A per season including at-plant, PPI, PRE and foliar applications of **A110.04** and other bifenthrin containing products.

ROOT CROPS (Except Sugar Beets and Garden Beets) (Crop Subgroup 1B)[*]

Burdock Edible, Carrot, Celeriac, Chervil Turnip Rooted, Chicory, Garden Beet, Ginseng, Horseradish, Parsley Turnip Rooted, Parsnip, Radish, Radish Oriental, Rutabaga, Salsify, Salsify Black, Salsify Spanish, Skirret, and Turnip.

At-Plant

PEST	USE RATES		DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Crown and Root			Apply as a 5 to 7 inch band (T-band) over an open	
Aphids			furrow, or in-furrow with the seed. May be applied	
Flea Beetles			through transplant water at time of transplanting.	
Cutworms	8.5	0.1		
Seedcorn and Root				
Maggots				
Wireworms				

PPI & PRE

PEST	USE I	RATES	DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Crown and Root Aphids Flea Beetles Cutworms Seedcorn and Root	PRE 8.5	PRE 0.1	A110.04 can be tank mixed and applied with PRE pesticides	
Maggots Wireworms	PPI 8.5	PPI 0.1	A110.04 can be tank mixed and applied with PPI labeled herbicides. Incorporation of A110.04 should not be any deeper than the intended planting depth. Incorporation depth should be close to the intended depth	

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphids			Thorough coverage is necessary to attain
Beet Armyworm			acceptable control. Make application at the
Celery Leaf Tier			onset of infestation reaching locally determined
Corn Earworm			economic thresholds.
Cross Striped	60.05	0.00 0.4	
Cabbageworm	6.8 – 8.5	0.08 - 0.1	Apply foliar treatments in at least 25 gallons
Cutworms			per acre.
Diamondback Moth			
European Corn Borer			
Fall Armyworm			

Fire Ants		
Flea Beetles		
Green Cloverworm		
Hornworms		
Imported Cabbageworm		
Loopers		
Southern Armyworm		
Spider Mites		
Tobacco Budworm		
Velvetbean Caterpillar		
Whitefly		
Yellowstriped Armyworm		

- Do not make applications less than 7 days apart.
- Do not apply within 21 days of harvest.

Root Crops Restrictions:

• Do not apply more than 0.5 lb ai per acre per season including at-plant, PRE, PPI and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for Use in California]

GARDEN BEETS[*]

At-Plant

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Crown and Root			Apply as a 5 to 7 inch band (T-band) over an open
Aphids			furrow, or in-furrow with the seed. May be applied
Flea Beetles			through transplant water at time of transplanting.
Cutworms	8.5	0.1	
Seedcorn and Root			
Maggots			
Wireworms			

PPI & PRE

PEST	USE RATES		DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Crown and Root Aphids Flea Beetles Cutworms Seedcorn and Root	PRE 8.5	PRE 0.1	A110.04 can be tank mixed and applied with PRE pesticides	
Maggots Wireworms	PPI 8.5	PPI 0.1	A110.04 can be tank mixed and applied with PPI labeled herbicides. Incorporation of A110.04 should not be any deeper than the intended planting depth. Incorporation depth should be close to the intended depth	

PEST	US	E RATES	DIRECTIONS
	Fluid oz/A Pound ai/A		

Garden Beet Pests Only			Thorough coverage is necessary to attain
Aphids			acceptable control. Make application at the onset of infestation reaching locally determined
Fire Ants	6.8 – 8.5	0.08 - 0.1	economic thresholds.
Flea Beetles			
Lepidopterous Larvae			Apply foliar treatments in at least 25 gallons
Spider Mites			per acre.
Whitefly			

- Do not make applications less than 7 days apart.
- Do not apply within 1 day of harvest.

Garden Beets Restrictions:

• Do not apply more than 0.4 lb ai per acre per season including at-plant, PRE, PPI and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for use in California]

GRASS FORAGE, FODDER, AND HAY GROUP AND GRASS GROWN FOR SEED, PASTURE AND RANGELAND

bahiagrass, barnyardgrass, bentgrass, Bermudagrass, Kentucky bluegrass, big bluestem, smooth bromegrass, 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, orchardgrass, 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.

At-Plant

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000	Pound ai/A	
		Linear ft.		
Army cutworm Armyworm species Cutworm species Grape colaspis	8.5	0.39	0.1	Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), or in-furrow with the seed.
Grubs Root maggot True armyworm Wireworm				Apply broadcast over the soil surface for control of Army cutworm, Cutworm species, True armyworm, or Armyworm species. Apply in a minimum of 5 gallons per acre when applied as in in-furrow or T-band application.

PPI & PRF

PEST	USE RATES		DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Army cutworm			A110.04 can be tank mixed and applied with PRE	
Armyworm species	PRE	PRE	herbicides. Apply in a minimum of 10 gallons per acre.	
Cutworm species	1	1		
Grape colaspis	8.5	0.1		
Grubs				

Root maggot True armyworm Wireworm (PPI only)	PPI 8.5	PPI 0.1	A110.04 can be tank mixed and applied with PPI herbicides. Incorporation of A110.04 should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth.
			Apply in a minimum of 10 gallons per acre.

PEST	USE RATES		DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Alfalfa Caterpillar			Apply as insects appear in sufficient volume of	
Alfalfa Looper			water to ensure thorough coverage of foliage.	
Alfalfa Weevil				
Banks Grass Mite			Use higher recommended dosage for increased	
Blue Alfalfa Aphid ¹			pest pressure or for increased residual pest	
Carmine Mite			control. Do not exceed maximum allowable rate.	
Cutworms				
Egyptian Alfalfa			Apply in a minimum of 2 gallons finished spray	
Weevil			per acre by air or in a minimum of 10 gallons	
(larvae & adult)			per acre with ground equipment.	
Flea Beetles				
Green Cloverworm			Higher volumes of finished spray may improve	
Green Peach Aphid 1			insect control under high temperatures, when	
Hornworms			foliage is dense and/or when insect pressure is	
Lygus species			high.	
Meadow Spittlebug				
Pea Aphid ¹				
Potato Leafhopper				
Spotted Alfalfa Aphid ¹				
Threecornered Alfalfa	8.5	0.1		
Hopper				
Velvetbean				
Caterpillar				
Webworms				
Armyworm, southern				
Armyworm, true				
Armyworm, yellowstriped				
Ant spp.				
Cereal Leaf Beetle				
Chinch Bug				
Cricket				
Grass Mealybug				
Grasshoppers				
Range caterpillar				
Stink Bugs				
Armyworm, fall				
Black Grass Bug				
Hunting Bill Bug				

Plant Bug spp.		

¹Aphid control may be variable depending on species present and host-plant relationships.

Foliar Restrictions:

- Do not apply within 30 days of harvest for forage and hay.
- Do not make applications less than 14 days apart.

Grass Forage, Fodder, Hay Group and Grass Grown for Seed, Pasture, and Rangeland Restrictions:

 Do not apply more than 0.2 lb. active ingredient to Grass Forage, Fodder, and Hay Group and Grass Grown for Seed, Pasture and Rangeland including At-Plant, PRE & PPI, and Foliar applications of A110.04 and other bifenthrin containing products.

SOD FARMS

At-Plant

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Cutworms ¹			Apply as a 5 to 7 inch band (T-band) over an open
White Grub			furrow, or in-furrow with the seed.
Wireworm			
Crickets			
Earwigs	8.5	0.1	
Ants			
Chinch Bugs ⁵			
Imported Fire Ants ⁸			

PRE & PPI

PEST	USE RATES		DIRECTIONS	
	Fluid oz/A	Pound ai/A		
Cutworms ¹			A110.04 can be tank mixed and applied with PPI and	
White Grub	PRE	PRE	PRE herbicides. Incorporation of A110.04 should not be	
Wireworm	8.5	0.1	any deeper than the intended planting depth and no	
Crickets			deeper than 3 inches.	
Earwigs			Incorporation depth should be close to the intended	
Ants	PPI	PPI	seed planting depth.	
Chinch Bugs ⁵ Imported Fire Ants ⁸	8.5	0.1		

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000 Linear ft.	Pound ai/A	
Armyworms ¹ Cutworms ¹ Sod Webworm ¹	2.8 – 4.35	0.066 – 0.1	0.033 - 0.05	Apply as a broadcast treatment. Use higher volumes up to 10 gallons of carrier per 1000 square feet to get uniform coverage when
Annual Bluegrass Weevil (<i>Hyperodes</i>) (Adult) ² Banks Grass Mite ⁶	4.35 – 8.7	0.1 – 0.2	0.05 - 0.1	treating dense grass foliage. Irrigation to treated area within a few hours

Billbugs (Adult) ³ Black Turfgrass Ataenius (Adult) ⁴ Crickets Earwigs Fleas (Adult) Grasshoppers Mealybugs Mites ⁶				following application can improve efficacy to sub-surface pests including mole crickets. The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, A110.04 may be applied at up to 0.4 fluid oz. per 1000 square feet to control each of the pests listed in this table.
Ants Chinch Bugs ⁵ Fleas (Larvae) ⁷ Imported Fire Ants ⁸ Japanese Beetle (Adult) Mole Cricket (Adult) ⁹ Mole Cricket (Nymph) ¹⁰ Ticks ¹¹	8.7 – 17.42	0.2 – 0.4	0.1 - 0.2	The higher application rates should be used when maximum residual control is desired or heavy pest populations occur.

¹Armyworms, Cutworms and Sod Webworms: To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 0.4 fluid oz. per 1000 square feet) may be required during periods of high pest pressure.

²Annual Bluegrass Weevil (*Hyperodes*) adults: Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when *Forsythia* is in full bloom and concludes when flowering dogwood (*Cornus florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

³Billbug adults: Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

⁴Black Turfgrass Ataenius adults: Applications should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). The July application should be timed to coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

⁵Chinch Bugs: Chinch Bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Use higher volume applications if the thatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs can be one of the most difficult pests to control in grasses and the higher application rates (up to 0.4 fluid oz. per 1000 square feet) may be required to control populations that contain both nymphs and adults during the middle of the summer.

⁶**Mites:** To ensure optimal control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days after the first, may be necessary to achieve acceptable control.

⁷Flea larvae: Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Use a higher volume application when treating these areas to ensure penetration of the insecticide into the soil. Note: if the lawn area is being treated with this product at 0.1 fluid oz. per 1000 square feet for adult flea control, then the larval application rate may be achieved by increasing the application volume two- to four-fold.

⁸Imported Fire Ants: Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will control existing colonies. If the soil is not moist, then it is important to irrigate before application or use a high volume application. Broadcast treatments should apply 0.4 fluid oz. per 1,000 square feet. Mounds should be treated by diluting 0.05 fluid oz of A110.04 per gallon of water and applying 1 to 2 gallons of finished spray per mound. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65 - 80°F) or in early morning or late evening hours.

⁹Mole Cricket adults: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as

possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

¹⁰Mole Cricket nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

¹¹Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever): Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher spray volumes when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Repeat application must be limited to no more than once per seven days.

Deer ticks (*Ixodes sp.*) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter. **American dog ticks** may be a considerable nuisance in suburban settings, particularly where homes are built on land that

was previously field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

Sod Farm Restrictions:

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

SOYBEANS

At-Plant

PEST		USE RATES		DIRECTIONS
	Fluid oz/A	Fluid oz/1000	Pound ai/A	
		Linear ft.		
Rootworm larvae	6.8 – 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band over the
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	row on the soil surface, a 5 to 7 inch
Armyworm species				band over the open furrow (T-band), or
Cutworm species				in-furrow with the seed.
Grape colaspis				
Grubs				Apply broadcast over the soil surface
Root maggot				for control of Army cutworm, Cutworm
Seed corn beetle				species, True armyworm, or Armyworm
Seedcorn maggot				species.
True armyworm				
Wireworm				
Bean Leaf Beetle				
Larvae				

At- Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

PRE & PPI

PEST	USI	E RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Armyworm species			A110.04 can be tank mixed and applied with PRE
Black Cutworm	PRE	PRE	herbicides.
	3.4	0.04	
Armyworm species			A110.04 can be tank mixed and applied with PPI
Black Cutworm			herbicides.
Seedcorn beetle			
Stalkborer	PPI	PPI	Incorporation of A110.04 should not be any
Bean Leaf Beetle Larvae	4 - 5.3	0.047 - 0.062	deeper than the intended planting depth and no
Seed corn Maggot	4-5.5	0.047 - 0.062	deeper than 3 inches. Incorporation depth
White Grub			should be close to the intended seed planting
Wireworm			depth.
Seedcorn Maggot			

		ound ai/A	DIRECTIONS
Aphids Armyworms	8 – 8.5 0		
Blister Beetle species Corn Earworm Corn Rootworm (Adult) Cowpea Curculio Cucumber Beetle (Adult) Cutworms Dectes Stem Borer European Corn Borer False Cinch Bug Flea Beetle Grasshoppers Green cloverworm Hornworms Imported Cabbageworm Japanese Beetle (Adult) Leaf Skeletonizer species Leafhoppers Leafminers (Adults) Lesser Cornstalk Borer Loopers Kudzu Bug Mexican Bean Beetle Painted Lady (Thistle) Caterpillar Pea Leaf Weevil Saltmarsh Caterpillar Seedcorn Maggot (Adult) Silverspotted Skipper Spittlebug Stink Bug Three Cornered Alfalfa Hopper Thrips		.033 – 0.1	Apply in a minimum of 10 gallons per acre with ground equipment or 2 gallon per acre by aircraft. 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.

Foliar Restrictions:

- Do not make applications less than 30 days apart
- Do not apply within 18 days of harvest.

Soybean Restrictions:

• Do not apply more than 0.3 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of this and other bifenthrin products.

SPINACH

At-Plant

PEST		USE RATES		DIRECTIONS
	Fluid oz/A	Fluid oz/1000	Pound ai/A	
		Linear ft.		
Rootworm larvae	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band over the row
Garden				on the soil surface, a 5 to 7 inch band
Symphylans				over the open furrow (T-band), or in-
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	furrow with the seed.
Armyworm				
species				Apply broadcast to the soil surface for
Cutworm species				control of Army cutworm, Cutworm
Grubs				species, True armyworm, or Armyworm
Root maggot				species.
Seedcorn maggot				
True armyworm				
Wireworm				

At Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

PPI

PEST	USE RATES			
	Fluid oz/A	Pound ai/A		
Seed Corn Maggot				
Wireworms	PPI	PPI		
Garden Symphylans	3.4 – 6.8	0.04 - 0.08		

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	DIRECTIONS
Armyworms Colorado Potato Beetle Corn earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafminers Loopers Pepper Weevil Tomato Hornworm Tomato Pinworm Thrips Whitefly	2.8 – 8.5	0.033 - 0.1	For control of whiteflies, apply foliar treatments of A110.04 by ground or air at rates of up to 0.1 lb active per acre at minimum 7 day intervals up to a maximum of 4 applications. Do not apply within 40 days of harvest. For control of fire ants apply A110.04 to the soil (at planting) or as a foliar treatment by ground or air at rates of up to 0.1 lb active 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 finished spray per acre by ground.
Banks Grass Mite Broad Mite Carmine Mite Fire Ants Lygus species Pacific Spider Mite Twospotted spider mite	6.8 – 8.5	0.08 - 0.1	

Foliar Restrictions:

- Do not make applications less than 7 days apart
- Do not apply within 40 days of harvest.

Spinach Restrictions:

• Do not apply more than 0.4 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of this and other bifenthrin products.

SUCCULENT PEAS AND BEANS (Crop Subgroups 6A and 6B)

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, purple hulled pea.

At-Plant

PEST		USE RATES		DIRECTIONS
	Fluid	Fluid oz/1000	Pound ai/A	
	oz/A	Linear ft.		
Rootworm larvae	6.8 – 8.5	0.39 - 0.49	0.08 - 0.1	Apply as a 5 to 7 inch band over the
Army cutworm	3.4 – 6.8	0.2 - 0.39	0.04 - 0.08	row on the soil surface, a 5 to 7 inch
Armyworm species				band over the open furrow (T-band), or
Cutworm species				in-furrow with the seed.
Grape colaspis				
Grubs				Apply broadcast over the soil surface
Root maggot				for control of Army cutworm, Cutworm
Seedcorn maggot				

True armyworm		species, True armyworm, or
Wireworm		Armyworm species.
At- Plant Restrictions:		

Do not apply more than 0.1 lb ai/A per season as an at-plant application

PRE & PPI

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm Armyworm species Cutworm species Grape colaspis	PRE 6.8 – 8.5	PRE 0.08 – 0.1	A110.04 can be tank mixed and applied with PRE herbicides. Post Plant Soil Applied: Apply through drip or
Grubs Root maggot			Drip Tape. Apply when soil is moist towards the end of the irrigation run.
True armyworm Wireworm (PPI only)	PPI 6.8 – 8.5	PPI 0.08 – 0.1	A110.04 can be tank mixed and applied with PPI herbicides. Incorporation of A110.04 should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth. Apply in a minimum of 10 gallons per acre. Post Plant Soil Applied: Apply through drip or Drip tape. Apply when soil is moist towards the end of the irrigation run.

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	DIRECTIONS
Aster	2.1 – 8.5	0.025 - 0.1	Apply in a minimum of 2 gallons finished spray per
Flea Beetle			acre by air or in a minimum of 10 gallons per acre
Leafhopper			with ground equipment.
Adult Sap Beetle			
Alfalfa Caterpillar			When applying by air, 1 – 2 quarts of emulsified oil
Aphids			may be substituted for 1 – 2 quarts of water in the
Armyworm, Beet			finished spray.
Armyworm, Fall			
Armyworm, Southern			Thorough coverage is essential to achieve control.
Armyworm, Yellowstriped			
Bean Leaf Beetle			Make application at the onset of infestation reaching
Cloverworm			locally determined economic threshold.
Corn earworm	2.8 – 8.5	0.033 - 0.1	
Corn Rootworm (Adult)	2.0 0.5	0.055 - 0.1	
Cucumber Beetle			
Cutworms			
European Corn Borer			
Grasshoppers			
Japanese Beetle			
Loopers			
Pea Leaf Weevil			
Pea Weevil			
Plant Bug			

Stink Bugs			
Tarnished Plant Bug			
Thrips			
Webworms			
Western Bean Cutworm			
Whitefly			
Banks Grass Mite			
Carmine Mite	6.8 – 8.5	0.08 to 0.1	
Lygus species	0.0 - 8.5	0.00 (0 0.1	
Twospotted spider mite			

- Do not apply within 3 days of harvest.
- Do not make applications less than 3 days apart

Succulent Peas and Beans (Crop Subgroups 6A and 6B) Restrictions:

• Do not apply more than 0.2 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of **A110.04** and other bifenthrin containing products.

TOBACCO

PRE-TRANSPLANT and AT-TRANSPLANT

PEST	USE RATES			DIRECTIONS
	Fluid oz/A	Fluid oz/1000	Pound ai/A	
		Linear ft.		
Armyworm species Cutworm species Flea beetle larvae Mole cricket Stalkborer White grubs Wireworm	3.4 – 8.5	0.2 – 0.49	0.04 - 0.1	Pre-transplant soil applications: Use of suitable equipment to incorporate into top 4" of the soil is required to control below ground pests. At-transplant water treatment application: Apply 0.0625 to 0.1 pound ai/A in a water treatment application volume of 10 to 200 gal/A. May be tank mixed with Command, Spartan or Aquesta™ 4 F, and other herbicides approved for tobacco use.

Pre-Transplant & At-Transplant Restrictions:

• Do not apply later than layby.

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Aphid spp.*	3.4 – 8.5	0.04 - 0.1	Apply 0.04 to 0.10 lb ai/A per foliar application up
Armyworm spp.			to, and including, layby in a minimum of 10 gal/A.
Chinch bugs			
Cutworm spp.			May be tank mixed with Command, Spartan or
Flea beetle (Adults)			Aquesta [™] 4 F, and other herbicides approved for
Grasshoppers			tobacco use.
Green bugs			
Japanese beetles			*See resistance statement under "Directions for
Stink Bugs			Use" section.
Thrips			

White flies		
Tarnished plant bugs		
Hornworm	6.8 - 8.5	0.08 - 0.1
Tobacco Budworm		
Spider mites	8.5	0.1
Lygus spp.		

- Do not make more than 2 foliar applications per season.
- Do not apply later than layby.

Tobacco Restrictions:

• Do not apply more than 0.2 lb ai/A per season including at-plant, PRE, PPI and foliar applications of **A110.04** and other bifenthrin containing products.

TOMATOES, TOMATILLOS, & GROUNDCHERRIES

At-Plant

PEST		USE RATES		DIRECTIONS
	Fluid	Fluid oz/1000	Pound ai/A	
	oz/A	Linear ft.		
Army cutworm	3.4 – 6.8	0.2 – 0.39	0.04 - 0.08	Apply as a 5 to 7 inch band over the
Armyworm species				row on the soil surface, a 5 to 7 inch
Cutworm species				band over the open furrow (T-band), or
Flea beetle larvae				in-furrow with the transport or seed.
Grubs				May be applied through transplant
Root maggot				water at time of transplanting. Apply
Stalkborer				broadcast to the soil surface for
True armyworm				control of Army cutworm, Cutworm
Wireworm				species, True armyworm, Armyworm
				species, or Stalkborer.

At- Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

PRE & PPI

PEST	USE	RATES	DIRECTIONS
	Fluid oz/A	Pound ai/A	
Army cutworm Armyworm species			A110.04 can be tank mixed and applied with PRE herbicides.
Cutworm species	PRE	PRE	
Flea beetle larvae	6.8	0.08	Post Plant Soil Applied: Apply through drip or
Garden symphylans Grubs			Drip Tape. Apply when soil is moist towards the end of the irrigation run.
True Armyworm Wireworm			A110.04 can be tank mixed and applied with PPI herbicides.
	PPI 3.4 – 6.8	PPI 0.04 – 0.08	Incorporation of A110.04 should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth. Apply in a minimum of 10 gallons per acre. Post Plant Soil Applied: Apply through drip

	or Drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar Restrictions:

- Do not make applications less than 10 days apart.
- Do not apply within 1 day of harvest

Tomato, Tomatillo, and Groundcherry Restrictions:

• Do not apply more than 0.40 lb ai/A per season including at-plant, PRE, PPI and foliar applications of **A110.04** and other bifenthrin containing products.

TREE NUTS[*]

African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these

Foliar

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Black Pecan Aphid 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 Stink Bugs Walnut Aphid Yellow Pecan Aphid	4.3 – 17.1	0.05 - 0.2	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.
European Red Mite	6.8 – 17.1	0.08 - 0.2	
Pecan Weevil			
Spider Mite species			
Fire ants	8.5 – 17.1	0.1 - 0.2	
Walnut Husk Fly			

Foliar Restrictions:

- 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.

Tree Nuts Restrictions:

• Do not apply more than 0.5 lb active ingredient (1 quart) per acre per season including at-plant, PRE, PPI and foliar applications of **A110.04** and other bifenthrin containing products.

[*][Not for Use in California]

TUBEROUS AND CORM VEGETABLES (Crop Subgroup 1C)

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.

At-Plant

PEST	USE RA	TES	DIRECTIONS
	Fluid oz/A	Pound ai/A	

Grape colaspis	12.75 – 25.5	0.15 - 0.3	A110.04 insecticide may be applied as a soil
Rootworms			incorporated broadcast, directed bed spray or a
Sweet potato flea			T-band spray into the planting furrow for the
beetle			control of wireworms, sweet potato flea beetle,
White grub			and white grubs. Apply A110.04 at the rate of
Wireworms			0.15 to 0.3 pounds active ingredient (12.75 to
			25.5 fluid ounces formulated) per acre in a
			minimum of 10 gallons per acre of spray.
A. D D			minimum of 10 gallons per acre of spray.

At Plant Restrictions:

• Do not apply more than 0.3 lb ai/A per season as an at-plant application.

Lay-By

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape colaspis Rootworms Wireworms White grub	12.75 – 25.5	0.15 – 0.3	A110.04 insecticide may be applied as one or more soil directed and incorporated treatments at cultivation or layby for the control of wireworms and white grubs. Apply A110.04 to the drill area and incorporate by cultivation equipment set to throw soil towards the drill area. Apply in a minimum of 10 gallons per acre of spray.

PPI

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	
Grape colaspis	12.75 – 25.5	0.15 - 0.3	Apply A110.04 to the transplant area and
Rootworms			incorporate to planting depth. Apply A110.04 in
Wireworms			a minimum of 10 gallons per acre of spray. May
White grub			be applied as a broadcast application or an
			incorporated band application

PEST	USE RATES		DIRECTIONS
	Fluid oz/A	Pound ai/A	DIRECTIONS
Banded Cucumber beetle Black flea beetle Corn wireworm Cucumber beetle Japanese beetle grubs June beetle Rootworms Southern potato wireworm Sugarcane beetle Sweetpotato flea beetle Sweetpotato weevil Tobacco wireworm Whitefringed beetle White grub	2.8 – 8.5	0.033 - 0.1	Apply in a minimum of 3 gallons finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. A110.04 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).

Foliar Restrictions:

- Do not make more than 2 foliar applications per season
- Do not make applications less than 21 days apart.
- Do not apply within 21 days of harvest.

Tuberous and Corm Vegetables (Crop Subgroup 1C) Restrictions:

• Do not apply more than 0.5 lb ai/A per season including soil, lay-by, at-plant, PPI and foliar applications of **A110.04** and other bifenthrin containing products.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

[For plastic containers ≤ 5 gallons: Nonrefillable Container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

[For plastic containers > 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[A110.04], Batallion 2 EC, Serpent 1 EC, and Aquesta 4 F are trademarks of Atticus, LLC
[Capture LFR] Mustang, Brigade, Declare, Ammo are registered trademarks of FMC Corporation or an affiliate.
Ambush and Discipline are registered trademarks of AMVAC Chemical Corporation.
Asana® XL is a registered trademark of E.I. DuPont de Nemours and Company.
Baythroid® is a registered trademark of Bayer Aktiengesellschaft.
Danitol® is a registered trademark of Sumitomo Chemical Company, Ltd.
Fanfare® is a registered trademark of Makhteshim Again Group Company
Karate® Is a registered trademark of Syngenta

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

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 the uses covered by the certified applicator's certification.

> BIFENTHRIN GROUP INSECTICIDE

A110.04™

[Alternate Brand Name: Batallion LFC]

[Contains bifenthrin, the active ingredient used in Capture® LFR]. For mixing directly with liquid fertilizer to control listed soil insect pests ACTIVE INGREDIENT: (% by weight)

OTHER INGREDIENTS: 82.85%

This product contains 1.5 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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

	FIRST AID			
If swallowed:	Call a poison control center or doctor immediately for treatment advice.			
	 Have person sip a glass of water if able to swallow. 			
	 Do not induce vomiting unless told to do so by the poison control center or doctor. 			
	 Do not give anything by mouth to an unconscious person. 			
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.			
	 Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. 			
	Call a poison control center or doctor for treatment advice.			
	HOT LINE NUMBER			

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.

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

For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms

in neighboring areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area. The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

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[For plastic containers > 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

See inside label booklet for additional Precautionary Statements and Directions for Use.

[A110.04™] is not manufactured, or distributed by [FMC Corporation], seller of [Capture® LFR].

Manufactured for: Atticus, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513

EPA Reg. No.: 91234-XX EPA Est. No.: ___ NET WEIGHT:

^{*}Cis isomers 97% minimum, trans isomers 3% maximum.