

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 7, 2024

Stefanie Garufi Agent for Generic Crop Science, LLC Generic Crop Science, LLC 1887 Whitney Mesa Drive #9740 Henderson, NV 89014

Subject: Notification per PRN 98-10 – Label notification to add ABN, update emergency

contact info, and update optional marketing language

Product Name: GCS Bifenthrin 2EC EPA Registration Number: 94730-8 Application Date: May 2nd, 2024

Case Number: 610622

Dear Stefanie Garufi:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "NOTIFICATION" and placed in our records.

The alternate brand name, "Willowood Bifenthrin 2EC Insecticide" has been added to the product record.

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 (FIFRA) 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) lists 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

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EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, please contact Laura Rademacher at Rademacher.Laura@epa.gov.

Sincerely,

Scott Campbell, Acting Product Manager 03 Invertebrate and Vertebrate Branch I Registration Division (7505T)

Office of Pesticide Programs

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC - GCS Bifenthrin 2EC

ous pending editsNotification to add an ABN,update the emergency contact info, and update optional marketing language.

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[MASTER LABEL]

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

BIFENTHRIN GROUP 3A INSECTICIDE

GCS BIFENTHRIN 2EC

[ABN: Farmers First Bifenthrin 2EC Insecticide] [ABN: Farmers First Bifenthrin 2EC] [ABN: Bifenthrin 2EC Insecticide] [ABN: Willowood Bifenthrin 2EC Insecticide]

For use to Control Listed Insects and Mites on Artichokes, Brassicas, Bushberries, Caneberries, Canola, Cilantro, Citrus, Coriander, Corn, Cotton, Crambe, Cucurbits, Dried Beans and Peas, Fruiting Vegetables, Grapes¹, Head Lettuce, Hops, Leafy Brassicas, Leafy Petioles Vegetables, Mayhaw¹, Okra, Peanuts¹, Pears, Rapeseed, Root Crops, Soybeans¹, Spinach, Strawberries, Succulent Peas and Beans, Tobacco, and Tuberous and Corm Vegetables.

For use to Control Listed Insect Pests on Ornamentals and Trees1 (Field and Container Grown Nursery Stock, Christmas Trees. Interiorscapes and Plantscapes, Lawns, Trees and Shrubs, and on Golf Courses and Sod Farms²).

¹Not for use in California

²Do not use this product on golf courses and sod farms in Nassau or Suffolk County, New York

ACTIVE INGREDIENT:	WT. BY %
Bifenthrin: (2 methyl[1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-	
cyclopropanecarboxylate*	25.0%
OTHER INGREDIENTS**:	<u>75.0%</u>
TOTAL:	100.0%

GCS Bifenthrin 2EC contains 2 pounds active ingredient per gallon.

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

**Contains petroleum distillates

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 this label, find someone to explain it to you in detail.)

	FIRST AID
IF SWALLOWED:	Immediately call a poison control center or doctor.
	Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do not give any liquid to the person.
	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.
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.
	Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air.
	If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth
	if possible.
1	Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergency Medica Assistance (Human or Animal) contact Rocky Mountain Poison Control at 866-767-5040. For Chemical Emergency Assistance (Spill, Leak Fire or Accident) contact CHEMTREC at 800-424-9300 (North America) or 703-527-3887 (International). Have the product container or labe

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 should be avoided. This product contains a petroleum distillate. Vomiting may cause aspiration pneumonia.

[Optional referral statements when booklets and container labels are used:]

[See label booklet for [complete] [additional] [First Aid,] [Precautionary Statements,] [Directions For Use,] and [Storage and Disposal.]]

Manufactured For [By]: Generic Crop Science, LLC 1887 Whitney Mesa Dr., #9740 Henderson, NV 89014

EPA Re	g. No.: 94730-8
EPA Est. No.:	XXXXX-XX-XXX

Net Contents:	Gals.	/11	1
Net Contents:	[Gais.	/ L	

NOTIFICATION

94730-8

The applicant has certified that no hanges, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/07/2024

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94730-8.20240502.V120613.V3

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC - GCS Bifenthrin 2EC

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Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update optional marketing language.

[Contains bifenthrin, the active ingredient used in Bifen 25% EC.]

[GCS Bifenthrin 2EC is not manufactured, or distributed by Atticus, LLC, seller of Bifen 25% EC.]

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if inhaled or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below.

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

- · Long-sleeved shirt and long pants
- Chemical-resistant gloves, made of barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or Viton ≥ 14 mils
- Shoes plus socks

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

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, made of barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or Viton ≥ 14 mils
- · Shoes plus socks
- · Protective eyewear

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

- · long-sleeved shirt and long pants,
- chemical-resistant gloves,
- shoes plus socks"

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

- · long-sleeved shirt and long pants,
- · chemical-resistant gloves,
- shoes plus socks"

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

- long-sleeved shirt and long pants,
- chemical-resistant gloves,
- shoes plus socks

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product, wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. 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 washwater.

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 actively visiting the treatment area. **Protect pollinating insects by following label directions intended to minimize drift and reduce risk to these organisms.**

For outdoor use only. The use of [GCS Bifenthrin 2EC] {or} [this product] 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.

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC - GCS Bifenthrin 2EC

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Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update optional marketing language.

PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

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

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

All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- 1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation;
- 2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn):
- 3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
- 4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
- 5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
- Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.

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

AGRICULTURAL USE REQUIREMENTS

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

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

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

- Coveralls
- Chemical-resistant gloves, made of barrier laminate, nitrile rubber, neoprene rubber, or Viton
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protections Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is to produce agricultural plants on farms, forests, nurseries, and greenhouses.

Do not allow people or pets on treated areas until the spray has dried.

RESISTANCE MANAGEMENT

[GCS Bifenthrin 2EC] {or} [this product] contains a Group 3A Insecticide. With repeated use of Group 3A insecticide as the primary method of control in the same field or in successive years, insect/mite populations can develop resistant biotypes. If this occurs, insect/mite biotypes with acquired resistance to Group 3A insecticides may eventually dominate the insect/mite population. This may result in partial or total loss of control of those species by [GCS Bifenthrin 2EC] {or} [this product] or other Group 3A insecticides.

To delay development of insecticide resistance, the following practices are suggested:

- Base insecticide applications on comprehensive IPM programs. This program should include an insect management program that includes cultural and biological control where possible.
- Use good resistance management strategies established for the use area. This may include the use of insecticide rotations or tank mixes with other groups of insecticide and miticides in an IPM program.
- Always apply [GCS Bifenthrin 2EC] {or} [this product] at the labeled rates and according to label directions. Do not use less than
 label rates alone or in tank mixtures unless directed otherwise in supplemental labeling supplied by Generic Crop Science, LLC.

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Generic Crop Science, LLC - GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'I crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

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- Monitor treated populations in the field for loss of control. If poor performance cannot be attributed to improper application or
 extreme weather conditions, a resistant strain may be present. Immediately consult your local Generic Crop Science, LLC
 representative or agricultural advisor for the best alternative method of control for your area.
- Do not treat seedling plants grown for transplant in greenhouses, shade houses, or field plots.
- Consult your local extension specialist, certified crop advisor, and/or manufacturer for insecticide resistance management and/or IPM guidance for the specific site and resistant pest problems.

APPLICATIONS INSTRUCTIONS

The rate of [GCS Bifenthrin 2EC] {or} [this product] applied will vary according to pest pressure and timing of application. Use lower rates under light to moderate infestations and higher labeled rates under heavy insect pressure and for mite control. Arid climates generally require higher labeled rates.

Unless otherwise specified for a specific crop, apply when pest population reaches economic (damaging) threshold and repeat as necessary to maintain control. Thorough coverage is essential to achieve control.

In the **Application Instructions** section of the label for each crop, the application rate when applied by ground and/or air is listed as an amount of spray per acre. In all cases, this refers to finished spray per acre.

USE RESTRICTIONS - Water Protection and Rain-Related Restrictions:

- DO NOT spray the product into fish pools, ponds, streams, or lakes.
- DO NOT apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- DO NOT allow the product to enter any drain during or after application.
- DO NOT apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-andcrevice treatment.
- . DO NOT apply or irrigate to the point of runoff
- DO NOT make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Treat surfaces to ensure thorough coverage but avoid runoff.
- To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

For outdoor applications to commercial nurseries:

- Do not apply when the wind speed is greater than 15 mph.
- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- For soil or foliar applications, do not apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

CHEMIGATION USE DIRECTIONS

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

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 setup 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 area.

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

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Generic Crop Science, LLC - GCS Bifenthrin 2EC

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pressure decreases to the point where pesticide distribution is adversely affected.

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

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

For sprinkler irrigation, meter [GCS Bifenthrin 2EC] {or} [this product] at a continuous uniform rate during the entire irrigation period. To ensure accurate application over the treated area, apply in sufficient volume of water or other diluent. If non-emulsified oil is used as the diluent, use 1 - 2 pints per acre. Maintain continuous agitation of the pesticide supply tank for the duration of the application period. When chemigation systems are used, 0.50 inch per acre of irrigation water is suggested except that for Low Energy Precision Application (LEPA) irrigation, a minimum of 0.75 inch of water per acre is suggested.

BUFFER ZONES

Vegetative Buffer Strip

Construct and maintain a vegetative filter strip according to the width specified below 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 25 feet** exists between the field edge and where a down gradient aquatic habitat exists. This minimum required width of 25 feet may be reduced or removed under the following conditions:

- For Western irrigated agriculture, a maintained vegetative filter strip of at least 10 feet wide is required. Western irrigated
 agriculture is defined as irrigated farmland in the following states: WA, OR, CA, ID, NV, UT, AZ, MT, WY, CO, NM, and TX (west of
 I-35).
 - o For Western irrigated agriculture, if a sediment control basin is present, a vegetative filter strip is not required.
- In all other areas, a vegetative filter strip with a minimum width of 25 feet is required, unless the following conditions are met. The vegetative filter strip requirement may be reduced from 25 feet to 15 feet if at least one of the following applies:
 - The area of application is considered prime farmland (as defined in 7 CFR § 657.5).
 - Conservation tillage is being implemented on the area of application. Conservation tillage is defined as any system
 that leaves at least 30% of the soil surface covered by residue after planting. Conservation tillage practices can
 include mulch-till, no-till, or strip-till.
 - $\circ\quad$ A functional terrace system is maintained on the area of application.
 - o Water and sediment control basins for the area of application are functional and maintained.
 - The area of application is less than or equal to 10 acres.

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

Buffer Zone for Ground Application (ground boom, overhead chemigation, or airblast)

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

Buffer Zone for ULV Aerial Application

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

Buffer Zone for Non-ULV Aerial Application

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

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- DO NOT release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S641).
- DO NOT apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the
 field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the
 downwind edge of the field.
- DO NOT apply during temperature inversions.

Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update optional marketing language.

Ground Boom Applications:

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

SPRAY DRIFT ADVISORIES

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

IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size - Ground Boom

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

Controlling Droplet Size - Aircraft

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

BOOM HEIGHT - Ground Boom

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

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

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

WIND

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

ROTATIONAL CROPS

If applying to crops for which Bifenthrin tolerances exist, the crops may be rotated at any time. All other crops may be rotated 30 days following the final application of [GCS Bifenthrin 2EC] {or} [this product].

MIXING INSTRUCTIONS

The spray tank must be clean, thoroughly rinsed, and decontaminated before adding either [GCS Bifenthrin 2EC] {or} [this product] alone or with tank mix combinations (see GCS Bifenthrin 2EC in Tank Mixtures section below). If water is used as the carrier, use clean water.

For aerial applications made on brassicas (see **FOOD CROPS** section of the label below for full list of approved brassicas), canola, crambe, rapeseed, foliar applications on corn, cucurbits (see **FOOD CROPS** section of the label below for full list of approved cucurbits), eggplant, grapes, head lettuce, and succulent peas and beans (see **FOOD CROPS** section of the label below for full list of approved succulent peas and beans), 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. For aerial applications made on cotton, 1 quart of emulsified oil may be substituted for 1 quart of water in the finished spray. Thorough coverage is essential to achieve control.

Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update optional marketing language.

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GCS Bifenthrin 2EC Used Alone: When [GCS Bifenthrin 2EC] {or} [this product] is used alone, add the labeled amount to the spray tank when the tank is half filled with water or other carrier; then add the rest of the water or other carrier (as permitted on this label). Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

GCS Bifenthrin 2EC with Fertilizer: Fill the spray tank approximately one-half full with water and/or liquid fertilizer, add the proper amount of [GCS Bifenthrin 2EC] {or} [this product], and then add the rest of the water and/or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

Perform a jar compatibility test with the appropriate ratio of [GCS Bifenthrin 2EC] {or} [this product] and fertilizer to ensure the mixture will stay in solution. Maintain constant agitation during mixing and application.

GCS Bifenthrin 2EC in Tank Mixtures: 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 labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If a tank mixture is used, perform a compatibility test before actual tank mixing. Test all untried mixtures using proper ratios and mixing sequences of all ingredients to be included in the mixture. Once compatibility is confirmed for the tank mix, fill the tank halffull with water or other carrier. Start and continue agitation throughout mixing following conventional mixing order practices. [GCS Bifenthrin 2EC] {or} [this product] may be applied in tank mixtures with other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products.

POLLINATOR BEST PRACTICES

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

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

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

FOOD CROPS - USE INSTRUCTIONS

ARTICHOKE

Pest	Dosage		Application Instructions		
Pest	Lb. A.i./A	Fl. Oz./A	Application instructions		
Artichoke Plume Moth Cribrate Weevil	0.10	6.4	Repeat as necessary to maintain control, but do not apply more often than 15-day intervals. Ground Application: Apply in water in a minimum of 75 gallons per acre as a full cover spray.		
			Air Application: Apply in water in a minimum of 10 gallons per acre.		

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- Do not apply within 5 days of harvest (PHI).

BRASSICAS

Crop	Pest	Dosage		Application Instructions	
Сгор	Pest	Lb. A.i./A	Fl. Oz./A	Application instructions	
Head and Stem Brassica	Aphids	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water	
Vegetables Including:	Armyworms			in a minimum of 10 gallons per	
Broccoli	Corn Earworm			acre.	
Chinese Broccoli (Gai Lon,	Crickets				
White Flowering Broccoli)	Cucumber Beetle			Air Application: Apply in water in a	
Brussels Sprouts	Cutworms			minimum of 2 gallons per acre.	
Cauliflower	Diamondback Moth			Emulsified oil may be substituted	
Cavalo Broccolo	Flea Beetle			for water.	
Kohlrabi	Ground Beetles				
Cabbage Imported Cabbageworm				See section entitled MIXING	
Chinese Cabbage (Napa)	Leafhoppers			INSTRUCTIONS for details on the	
Chinese Mustard Cabbage (Gai	Loopers			amount of oil to use in the spray	
Choy)	Saltmarsh Caterpillar			tank in lieu of water.	

94730-8.202<u>40502.V120613.V3</u> {Note to reviewer: [Text] in brackets denotes optional text.} Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

			1 age 0 01 31
Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (Adults)			Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
Banks Grass Mite Carmine Mite	0.08 - 0.10	5.12 - 6.4	
Lygus spp. Pacific Spider Mite Two-spotted Spider Mite			

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
 Do not make more than 5 applications after bloom.
- Do not apply within 7 days of harvest (PHI).

BUSHBERRIES

Cron	Doct	Dosage		Analization Instructions	
Crop	Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions	
Blueberry (Highbush and Lowbush) Currant Elderberry Gooseberry Huckleberry	Aphids Blueberry Maggot Fruitworms Japanese Beetle Leafhoppers Leaf Rollers Plum Curculio Spanworm	0.033 - 0.10	2.1 - 6.4	Aerial Application: Apply a minimum of 2 gallons of finished spray per acre. Ground Application: Apply using a minimum of 10 gallons of finished spray per acre.	
	Carmine Mite Lygus spp. Pacific Spider Mite Two-Spotted Spider Mite	0.08 - 0.10	5.12 - 6.4		

Restrictions:

- Do not make applications less than 7 days apart.
- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- Do not apply within 1 day of harvest (PHI).

CANFRERRIES

C	Doot	Dosage		A collection to the collection
Crop	Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions
Caneberries including: Blackberries Bingleberries	Leafrollers Orange Tortrix Root Weevils	0.05 - 0.10	3.2 - 6.4	Apply by air or ground equipment using sufficient wate to obtain full coverage of foliage (minimum of 10 gallon per acre by air and 50 gallons per acre by ground).
Dewberries Loganberries Lowberries Marionberries Olallieberries Raspberries Youngberries	Spider Mites Raspberry Crown Borer	0.10	6.4	Ground Application: Apply in water in a minimum of 5 gallons per acre. Air Application: Apply in water in a minimum of 1 gallons per acre. A total of 2 applications may be made. Apply one application pre bloom, and a second posbloom.

Restrictions:

- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) per acre per season.
 Do not apply within 3 days of harvest (PHI).

CANOLA, CRAMBE, RAPESEED

Post	Dosa	ige	Annihastian luntunstiana	
Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions	
Aphids	0.033 - 0.04	2.1 - 2.6	Ground Application: Apply in water in a minimum of 10 gallons	
Armyworms			per acre.	
Cutworms				
Diamondback Moth			Air Application: Apply in water in a minimum of 2 gallons per	
Flea Beetles			acre. Emulsified oil may be substituted for water.	
Flea Hoppers				
Grasshoppers			See section entitled MIXING INSTRUCTIONS for details on the	

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

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Loopers	amount of oil to use in the spray tank in lieu of water.
Lygus Bugs	
Other Lepidopterous Larvae	Repeat applications if needed to maintain control, but do not
Plant Bugs	make applications less than 14 days apart.
Seedpod Weevil	
Stink Bugs	
Thrips	
Whitefly	

Restrictions:

- Do not apply more than 0.08 lb. a.i. (5.12 ounces formulated) per acre per season.
- Do not apply within 35 days of harvest (PHI).

CHRISTMAS TREES (For use only in Washington and Oregon.)

Deat	Dosage		Application Instructions
Pest	Pest Lb. A.i./A Fl. Oz./A Application Instructions	Application instructions	
Root Weevil	0.06 - 0.10	3.9 - 6.4	Ground Application: Apply in water in a minimum of 20 gallons per acre.
Spruce Spider Mite			Air Application: Apply in water in a minimum of 5 gallons per acre.
			[GCS Bifenthrin 2EC] {or} [this product] is usually not phytotoxic to Christmas trees. However, make applications to a small representative group of plants to ensure that a particular variety grown under current conditions is not unusually sensitive to [GCS Bifenthrin 2EC] {or} [this product].
			Maintain a minimum of 21 days between applications.

Restrictions:

- Do not apply more than 0.10 lb. a.i. (6.4 ounces formulated) per acre per season.
- Do not make more than 3 applications in a crop year.
 Do not make applications through irrigation systems.

CILANTRO, CORIANDER

Dos	age	A liestie - lueturetie -
Lb. A.i./A	Fl. Oz./A	Application Instructions
0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons per
		acre.
		Air Application: Apply in water in a minimum of 2 gallons per acre.
		Apply in sufficient water to obtain thorough coverage.
0.08 - 0.10	5.12 - 6.4	
	Lb. A.i./A 0.033 - 0.10	0.033 - 0.10 2.1 - 6.4

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- Do not make applications less than 7 days apart.
- Do not apply within 3 days of harvest (PHI).

CITRUS

Pest	Dosage		Application Instructions
rest	Lb. A.i./A	Fl. Oz./A	Application instructions
Blue Green Citrus Root Weevil	0.25 - 0.50	16 - 32	Ground Application: Apply in water in a minimum of 40 gallons per
(Pachnaeus opalus)			acre.
Brown Leaf Notcher			
(Epicaerus mexicanus)			Greater spray volumes increase uniformity of coverage. Also, coverage
Diaprepes Root Weevil			uniformity may be aided by using a pre- and post-irrigation application.
(Diaprepes abbreviatus)			
Little Leaf Notcher (Artipus			Use a handgun or shielded sprayer to apply to individual citrus trees if
floridanus)			they are not planted in solid rows.
Southern Blue Green Citrus			
Root Weevil (Pachnaeus			[GCS Bifenthrin 2EC] {or} [this product] protects citrus tree roots from

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

optional marketing language.	Page 10 of 31
Litus)	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 [GCS Bifenthrin 2EC] {or} [this product] as they attempt to burrow into the root zone. Disturbance of the soil beneath trees should be minimized.
	All citrus root weevils have a similar life cycle. They have three immature stages: egg, larva, and pupa. Adult weevils emerge from the soil and lay eggs on host plants above ground, the larvae enter the soil to feed on roots, and the pupae and teneral adult stages are spent below ground. Adults emerge beneath citrus trees throughout the year; it is at this time that [GCS Bifenthrin 2EC] {or} [this product] applications must be timed. Peak adult emergence varies within and among species and by region. Peak emergence for the blue-green citrus root weevil is normally April and May. Diaprepes adult emergence from the soil appears to be triggered by the onset of regular rainfall events and can have two emergence peaks, in mid-May to mid-July and/or late-August to mid-October. The second peak is variable and may relate to host plant availability. Little leaf notcher has three generations per year. Although there is considerable overlap of generations, adults appear most abundant in April/May, July/August, and October/November.
	For best control of emerging root weevils, apply [GCS Bifenthrin 2EC] {or} [this product] to the soil beneath the citrus trees from the trunk to the drip line of the tree.
	[GCS Bifenthrin 2EC] {or} [this product] protects citrus tree roots from citrus root weevils by forming a barrier which provides contact activity on neonate larvae when they fall to the ground shortly after hatching from eggs which were oviposited in the citrus tree foliage.
	Once application is made, be careful not to disturb the treated soil.
	In areas where only a spring emergence is expected, use 32 ounces of [GCS Bifenthrin 2EC] {or} {this product}. In areas where a second emergence is expected, use 16 ounces of [GCS Bifenthrin 2EC] {or} {this product} in the early season and 16 ounces of [GCS Bifenthrin 2EC] {or} {this product} later in the season.
	If the length of control of [GCS Bifenthrin 2EC] {or} [this product] is not sufficient to cover the emergence of the root weevil, use other pest control measures from State Agricultural Extension Specialists or other

Restrictions:

- Do not apply through irrigation systems.
- Do not allow any application of [GCS Bifenthrin 2EC] {or} [this product] to contact fruit or foliage.
- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per year.
- Do not apply by air.
- Do not apply within 1 day of harvest (PHI).

CONIFER SEED ORCHARDS (For Use Only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, South Carolina, Tennessee, Texas, Virginia)

local experts.

Pest Dosage Lb. A.i./A Fl. Oz./A	Dos	age	Application Instructions
	Fl. Oz./A	Application instructions	
Cone Worms Seed Bugs	0.10 - 0.20	6.4 - 12.8	Ground Application: Apply in water in a minimum of 100-500 gallons per acre
Seed Worms			Air Application: Apply in water in a minimum of 10 gallons per acre or 0.50 gallon refined vegetable oil per acre.
			Apply in sufficient water to obtain thorough coverage.
			Begin applications 7 days after peak pollen flight and continue on 30-day

Amendment To add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

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Restriction:

• Do not make more than 6 applications per season or apply more than 0.60 lb. a.i. (38.4 ounces formulated) per acre per season.

intervals up to a maximum of 0.60 lb. active per acre per season.

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

(AT-PLANTING) Pest Dosage			Application Instructions	
Pest	Dosage		Application Instructions	
Corn Rootworm (Larvae)	0.0046 lb.	0.30 fl. oz.	Ground Application: Apply in water in a minimum of 3 gallons per acre.	
Northern	a.i. per	per 1,000		
Southern	1,000 linear	linear ft. of	For use on corn at-planting, apply a 5-inch to 7-inch T-band over the	
Western	ft. of row	row	open seed furrow.	
Army Cutworm	0.0023 -	0.15 - 0.30		
Cutworm Species	0.0046 lb.	fl. oz. per	Center the spray nozzle over the row behind the planter shoe in front	
Grubs	a.i. per	1,000 linear	of the press wheel.	
Seedcorn Beetle	1,000 linear	ft. of row		
Seedcorn Maggot	ft. of row		In-furrow pop-up fertilizers may be used alone or in tank mixtures with	
True Armyworm or			[GCS Bifenthrin 2EC] {or} [this product]. See the section entitled	
Armyworm Species			MIXING INSTRUCTIONS, GCS Bifenthrin 2EC with Fertilizer for	
Wireworms			additional instructions and precautions when mixing with fertilizers.	

Restrictions:

- Do not apply to soil where there is greater than 30% cover of crop residue remaining.
- Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.
- Do not apply more than 0.10 lb. a.i. (6.4 ounces formulated) per acre per season as an at-plant application.
- Do not apply within 30 days of harvest (PHI).

Row Spacings (Inches) ¹	40"	38"	36"	30"
GCS Bifenthrin 2EC (pounds a.i. per acre)	0.060	0.064	0.069	0.080
GCS Bifenthrin 2EC (formulated ounces per acre)	3.9	4.1	4.4	5.12

¹Use this table to determine the [GCS Bifenthrin 2EC] {or} [this product] needs per acre.

CORN: FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (PRF & PPI)

Pest	Dosage		A multipation Instructions
Pest	Lb. A.i./A Fl. Oz./A	Application Instructions	
Armyworm spp. Black Cutworm	0.047 - 0.062 Pre-Plant	3 - 4 Pre-Plant	Ground Application: Apply in water in a minimum of 3 gallons per acre.
Seedcorn Maggot Stalk Borer White Grub Wireworm	Incorporated (PPI)	Incorporated (PPI)	Use the labeled dosage as a pre-plant incorporated treatment either alone or in tank mix combination with registered pre-plant incorporated herbicides.
Black Cutworm Armyworm spp. Stalk Borer	0.040 lb./a.i. per acre Pre- Emergence	2.56 fl. oz. per acre Pre- Emergence	Incorporate [GCS Bifenthrin 2EC] {or} [this product] to the intended planting depth, but no deeper than 3".
	(PRE)	(PRE)	The 3 - 4 fl. oz. rate must be applied as PPI and can be tank mixed and applied with PPI herbicides.
			The 2.56 fl. oz. rate may be applied PRE and can be tank mixed and applied with PRE herbicides.

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

(FOLIAR)

Pest	Dosage		Application Instructions		
Pest	Lb. A.i./A	Fl. Oz./A	Application instructions		
Aphids	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons per		
Army Cutworm			acre, except see specific comment below for TX, NM, OK, and AZ mite		
Beet Armyworm			control.		
Cereal Leaf Beetle					
Chinch Bug			Air Application: Apply in water in a minimum of 2 - 5 gallons per acre,		
Common Stalk Borer			except see specific comment below for TX, NM, OK, and AZ mite		
Corn Earworm			control.		

94730-8.202<u>40502.V120613.V3</u> {Note to reviewer: [Text] in brackets denotes optional text.} Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

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Corn Rootworm (Adults) Cucumber Beetle (Adults) Cutworm Species European Corn Borer			In all states, insect control will be improved by increasing the finished spray per acre to 5 gallons.
Fall Armyworm Flea Beetle Grasshoppers Greenbug			In Texas, New Mexico, Oklahoma, and Arizona: Use a minimum of 10 gallons of water per acre by ground and 5 gallons of water per acre by air whenmaking applications to control mites.
Japanese Beetle (Adults) Sap Beetle Southern Armyworm			Emulsified oil may be substituted for water. See section entitled MIXING INSTRUCTIONS for details on the amount of oil to use in the spray tank in lieu of water.
Southern Corn Leaf Beetle Southwestern Corn Borer Stink Bugs Tarnished Plant Bug True Armyworm or			Make applications of [GCS Bifenthrin 2EC] {or} [this product] as necessary to maintain control being careful not to exceed reapplication intervals or maximum dosage rates specified in this section.
Armyworm Species Webworms			For pests which attack the ear, apply just before silking.
Western Bean Cutworm Yellowstriped Armyworm			For corn borer control, make application just before or at egg hatch.
Banks Grass Mite Carmine Mite Two-spotted Spider Mite	0.08 - 0.10	5.12 - 6.4	For mite control, apply when colonies first form prior to leaf damage and before they disperse into the canopy (for Banks Grass Mite - before dispersal into the upper 2/3 of the plant).
			Use higher labeled rates of [GCS Bifenthrin 2EC] {or} [this product] when pest pressure is severe or crop is under stress from drought and/or heat. When these conditions exist, tank mixtures with dimethoate have shown good control.
			Apply for Banks Grass Mite control when colonies first form prior to leaf damage or discoloration and before dispersal above the bottom third of the plant.
			For Two-Spotted Spider Mite and Carmine Mite control: apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy. Higher labeled rates will be necessary for heavier initial populations and corn under heat or drought stress. Field experience with dimethoate at 0.50 lb. active per acre in tank mixture has demonstrated good control under these conditions.
Restrictions			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.

Restrictions:

- Do not apply more than 0.30 lb. a.i. (19.2 ounces formulated) per acre per season including PRE and PPI, at-planting, plus
- Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.
- Use of ultra-low volume (ULV) application on corn is prohibited.
- Do not make aerial or ground applications to corn if heavy rainfall is imminent.
 Do not apply within 30 days of harvest (PHI).

CORN: SWEET CORN, SWEET CORN GROWN FOR SEED (AT-PLANTING)

Pest	Dosage		Application Instructions
Corn Rootworm (Larvae)	0.0046 lb. a.i.	0.30 fl. oz.	Ground Application: Apply in water in a minimum of 3 gallons per
Northern	per 1,000	per 1,000	acre.
Southern	linear ft. of	linear ft.	
Western	row	of row	For use on corn at-planting, apply in a 5-inch to 7-inch T-band over
Army Cutworm	0.0023 -	0.15 - 0.30	the open seed furrow. Center the spray nozzle over the row behind
Cutworm Species	0.0046 lb. a.i.	fl. oz. per	the planter shoe in front of the press wheel.
Grubs	per 1,000	1,000 linear	

Amendment to add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update

optional marketing language.

			Page 13 of 31
Seedcorn Beetle	linear ft. of	ft. of row	In-furrow pop-up fertilizers may be used alone or in tank mixtures
Seedcorn Maggot	row		with [GCS Bifenthrin 2EC] {or} [this product]. See the section entitled
True Armyworm or			MIXING INSTRUCTIONS, GCS Bifenthrin 2EC with Fertilizer for
Armyworm Species			additional instructions and precautions when mixing with fertilizers.
Wireworms			

Restrictions:

- Do not apply to soil where there is greater than 30% cover of crop residue remaining.
- Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.
- Do not apply more than 0.10 lb. a.i. (6.4 ounces formulated) per acre per season as an at-plant application.

Do not apply within 30 days of harvest (PHI).

Row Spacings (Inches) ¹	40"	38"	36"	30"
GCS Bifenthrin 2EC (pounds a.i. per acre)	0.060	0.064	0.069	0.080
GCS Bifenthrin 2EC (formulated ounces per acre)	3.9	4.1	4.4	5.12

¹Use this table to determine the [GCS Bifenthrin 2EC] {or} [this product] needs per acre.

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

Pest	Dos	sage	Application Instructions
Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions
Aphids	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons per
Army Cutworm			acre.
Beet Armyworm			
Cereal Leaf Beetle			Air Application: Apply in water in a minimum of 2 gallons per acre.
Chinch Bug			Emulsified oil may be substituted for water.
Common Stalk Borer			·
Corn Earworm			See section entitled MIXING INSTRUCTIONS for details on the
Corn Rootworm (Adults)			amount of oil to use in the spray tank in lieu of water. Make
Cucumber Beetle (Adults)			applications of [GCS Bifenthrin 2EC] {or} [this product] as necessary
Cutworm Species			to maintain control being careful not to exceed reapplication
European Corn Borer			intervals or maximum dosage rates specified in this section.
Fall Armyworm			
Flea Beetle			For pests which attack the ear, apply just before silking.
Grasshoppers			
Greenbugs			For corn borer control, make application just before or at egg hatch.
Japanese Beetle (Adults)			
Sap Beetle			For mite control, apply when colonies first form prior to leaf
Southern Armyworm			damage and before they disperse into the canopy (for Banks Grass
Southern Corn Leaf Beetle			Mite - before dispersal into the upper 2/3 of the plant). Use higher
Southwestern Corn Borer			labeled rates of [GCS Bifenthrin 2EC] {or} [this product] when pest
Stink Bugs			pressure is severe or crop is under stress from drought and/or heat.
Tarnished Plant Bug			When these conditions exist, tank mixtures with dimethoate have
True Armyworm or			shown acceptable control.
Armyworm Species			
Webworms			
Western Bean Cutworm			
Yellowstriped Armyworm	<u> </u>		
Banks Grass Mite	0.08 - 0.10	5.12 - 6.4	
Carmine Mite			
Two-spotted Spider Mite			
Postrictions:	•		*

Restrictions:

- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) per acre per season.
- Do not graze livestock in treated areas or cut treated crops for feed within 1 day of the last application.
- Use of ultra-low volume (ULV) application on corn is prohibited.
- $\bullet \quad \hbox{Do not make aerial or ground applications to corn if heavy rainfall is imminent.}\\$
- Do not apply within 1 day of harvest (PHI).

COTTON

COTTON			
Doot	Dosa	age	A multipation Instructions
Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions
European Corn Borer	0.02 - 0.10	1.3 - 6.4	Ground Application: Apply in water in a minimum of 5 gallons
Soybean (Banded) Thrips			per acre.
Tobacco Thrips			
Boll Weevil	0.04 - 0.10	2.6 - 6.4	Air Application: Apply in water in a minimum of 1 gallon per
Bollworm			acre. Emulsified oil may be substituted for water.
Cabbage Looper			

ous pending edits Notification to add an ABN, update the emergency contact info, and update

optional marketing language.

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			1060110101
Cotton Aphid			See section entitled MIXING INSTRUCTIONS for details on the
Cotton Fleahopper			amount of oil to use in the spray tank in lieu of water.
Cotton Leafperforator			
Cutworms			ULV Application: Apply in a minimum of 1 qt. per acre using
Fall Armyworm			refined vegetable oil with aircraft calibrated to give adequate
Plant Bugs			coverage.
Saltmarsh Caterpillar			
Southern Garden Leafhopper			Make applications of [GCS Bifenthrin 2EC] {or} [this product] as
Stink Bugs			necessary to maintain control being careful not to exceed
Tobacco Budworm			reapplication intervals or maximum dosage rates specified in
Whitefly			this section.
Yellowstriped Armyworm			
Beet Armyworm	0.06 - 0.10	3.8 - 6.4	To Control Boll Weevil: Apply [GCS Bifenthrin 2EC] {or} [this
Carmine Spider Mite			
Lygus spp.			reduced below economic threshold levels.
Pink Bollworm			
Two-spotted Spider Mite			To Control Mites and Aphids: Apply when pests first appear.
			Repeat as necessary to maintain control without exceeding
			maximum application rates and reapplication intervals. Use
			higher labeled rates when an economic threshold has been
		l	established.
Yellowstriped Armyworm Beet Armyworm Carmine Spider Mite Lygus spp. Pink Bollworm	0.06 - 0.10	3.8 - 6.4	To Control Boll Weevil: Apply [GCS Bifenthrin 2EC] {or} [product] at 3- to 4-day intervals until pest populations reduced below economic threshold levels. To Control Mites and Aphids: Apply when pests first app Repeat as necessary to maintain control without exceed maximum application rates and reapplication intervals. higher labeled rates when an economic threshold has be

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- Do not graze livestock in treated areas or cut treated crops for feed.
 Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush®, Ammo®, Asana® XL, Baythroid®, Capture®, Danitol®, Karate®, Mustang®, and Scout X-TRA®.
 Do not apply within 14 days of harvest (PHI).

CUCURBITS

Cron		Dosa	ge	Application Instructions
Сгор	Pest	Lb. A.i./A	Fl. Oz./A	Application instructions
Crop Chayote (Fruit) Chinese waxgourd (Chinese preserving melon) Citron Melon Cucumber Gherkin Edible Gourd (includes hyotan, cucuzza), Luffa spp. (includes hechima, Chinese okra) Momordica spp. (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, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon) Pumpkin (Cucurbita spp.)	Pest Aphids Armyworms Cabbage Looper Corn Earworm Cucumber Beetles Cutworms Grasshoppers Leafhoppers Melonworms Pickleworms Plant Bug Rindworms Squash Bugs Squash Vine Borer Stink Bugs Tobacco Budworm Banks Grass Mite Carmine Mite Lyqus spp.		Ÿ	Application Instructions Ground Application: Apply in water in a minimum of 20 gallons per acre. Air Application: Apply in water in a minimum of 5 gallons per acre. Emulsified oil may be substituted for water. See section entitled MIXING INSTRUCTIONS for details on the amount of oil to use in the spray tank in lieu of water.
Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini) Squash, winter (includes butternut squash, calabaza, hubbard squash, (<i>C. mixta; C. pepo</i>) includes acorn squash, spaghetti squash) Watermelon (includes hybrids and/or varieties of <i>Citrullus</i> spp.)	Two-spotted Spider Mite Whitefly			

- Do not apply more than 0.30 lb. a.i. (19.2 ounces formulated) per acre per season.
 Do not make more than 2 applications after bloom.
- Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Do not apply within 3 days of harvest (PHI).

94730-8.202<u>40502.V120613.V3</u> {Note to reviewer: {Text} in brackets denotes optional text.} Generic Crop Science, LLC – GCS Bifenthrin 2EC Amendment to add RUP-stmt, add'1 crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update

optional marketing language.

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DRIED BEANS AND PEAS

Cron	Doct	Dosa	ige	Application Instructions	
Crop	Pest	Lb. A.i./A Fl. Oz./A		Application Instructions	
Dried cultivars of Bean	Aster Leafhopper	0.025 - 0.10	1.6 - 6.4	Ground Application: Apply in water in a	
(Lupinus spp.)	Flea Beetle			minimum of 10 gallons per acre.	
Grain Lupin	Grasshoppers				
Sweet Lupin	Leafhoppers			Air Application: Apply in water in a	
White Lupin	Alfalfa Caterpillar	0.033 - 0.10	2.1 - 6.4	minimum of 2 gallons per acre.	
White Sweet Lupin	Aphids				
Bean (Phaseolus spp.)	Beet Armyworm			Emulsified oil may be substituted for water	
Field Bean	Bean Leaf Beetle			See section entitled MIXING INSTRUCTION	
Kidney Bean	Cloverworm			for details on the amount of oil to use in the	
Lima Bean (dry)	Corn Earworm			spray tank in lieu of water.	
Navy Bean	Corn Rootworm (Adults)				
Pinto Bean	Cucumber Beetles			Thorough coverage is essential to achieve	
Tepary Bean	Cutworms			control.	
Bean (Vigna spp.)	European Corn Borer				
Adzuki Bean	Fall Armyworm				
Blackeyed Pea	Imported Cabbageworm				
Catjang	Japanese Beetle (Adults)				
Cowpea	Leafminer				
Crowder Pea	Loopers				
Moth Bean	Mexican Bean Beetle				
Mung Bean	Pea Weevil				
Rice Bean	Pea Leaf Weevil				
Southern Pea	Plant Bug				
Urd Bean	Saltmarsh Caterpillar				
Broad bean (dry)	Sap Beetle				
Chickpeas	Southern Armyworm				
Guar	Stink Bugs				
Lablab Bean	Tarnished Plant Bug				
Lentils	Thrips				
Pea (Pisum spp.)	Tobacco Budworm				
Field Pea	Webworms				
Pigeon Pea	Western Bean Cutworm				
	Whitefly				
	Yellowstriped				
	Armyworm				
	Banks Grass Mite	0.08 - 0.10	5.12 - 6.4	İ	
	Carmine Mite				
	Lygus spp.				
	Two-spotted Spider Mite				

Restrictions:

- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) to peas.
 Do not make applications less than 7 days apart.
 Do not apply within 14 days of harvest (PHI).

FRUITING VEGETABLES

Cunn	Crop Pest		age	A ambiention brotometicus
Crop	Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions
Eggplant Groundcherry Pepino	Armyworms (including Beet Armyworm, Fall Armyworm, Southern Yellowstriped	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons per acre.
Pepper (Bell and Non-Bell)	Armyworm) Cabbage Loopers Colorado Potato Beetle			Air Application: Apply in water in a minimum of 2 gallons per acre.
	Corn Earworm Cucumber Beetles European Corn Borer			Emulsified oil may be substituted for water, see section entitled MIXING INSTRUCTIONS for details on the
	Flea Beetles Leafminers Loopers			amount of oil to use in the spray tank in lieu of water.
	Pepper Weevil Plant Bugs			

8.20240502.V120613.V3 {Note to reviewer: [Text] in brackets denotes optional text.} Generic Crop Science, LLC – GCS Bifenthrin 2EC Amendment to add RUP stmt, add'l crop sites, and include previous pending edits. Notification to add an ABN, update the emergency contact info, and update 94730-8.202<u>40502.V120613.V3</u>

optional marketing language.

			rage 10 01 31
Stink Bugs			
Thrips			
Tomato Hornworm			
Tomato Pinworm			
Vegetable Leafminer			
Whitefly			
Banks Grass Mite	0.08 - 0.10	5.12 - 6.4	
Broad Mite			
Carmine Mite			
Lygus spp.			
Pacific Spider Mite			
Two-spotted Spider Mite			

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) per acre per season.

Tomatoles Tomatillo[*] Aphids Armyworms (including Beet Armyworm, Fall Armyworm, Southern Yellowstriped Armyworm) Bean Leaf Beetle Cabbageworms Carmine Mite Cloverworm Corn Bordworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly Two-snotted Spider Mite D. 0.08 - 0.10 S 12 - 5.2 Ground Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 3 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in water in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 3 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 3 gallons per acre. Air Application: Apply in a minimum of 15 gallons per acre. Air Application: Apply in a minimum of 3 gallons per acre.	 Do not app 	ly within 7 days of harvest (PHI).			
Armyworm, Fall Armyworm, Southern Yellowstriped Armyworm) Bean Leaf Beetle Cabbageworms Carmine Mite Cloverworm Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly	Tomatoes		0.033 - 0.08	2.1 - 5.2	Ground Application: Apply in water
Southern Yellowstriped Armyworm) Bean Leaf Beetle Cabbageworms Carmine Mite Cloverworm Corn Rarworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly	Tomatillo[*]	Armyworms (including Beet			in a minimum of 15 gallons per acre.
Armyworm) Bean Leaf Beetle Cabbageworms Carmine Mite Cloverworm Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bugs spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Armyworm, Fall Armyworm,			
Bean Leaf Beetle Cabbageworms Carmine Mite Cloverworm Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Riindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Southern Yellowstriped			
Cabbageworms Carmine Mite Cloverworm Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Armyworm)			minimum of 3 gallons per acre.
Carmine Mite Cloverworm Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Bean Leaf Beetle			
Cloverworm Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Cabbageworms			
Corn Earworm Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Carmine Mite			
Corn Rootworm Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Cloverworm			
Cucumber Beetle Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Corn Earworm			
Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Corn Rootworm			
Diamondback Moth European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Cucumber Beetle			
European Corn Borer Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Cutworms			
Flea Beetles Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Diamondback Moth			
Flea Hoppers Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		European Corn Borer			
Grasshoppers Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Flea Beetles			
Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Flea Hoppers			
Leafhoppers Loopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Grasshoppers			
Lopers Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Japanese Beetle (Adults)			
Lygus spp. Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly					
Melonworms Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Loopers			
Pea Weevil Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Lygus spp.			
Pea Leaf Weevil Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Melonworms			
Pickleworms Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Pea Weevil			
Plant Bugs Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Pea Leaf Weevil			
Rindworms Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Pickleworms			
Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Plant Bugs			
Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Rindworms			
Seedpod Weevil Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Saltmarsh Caterpillar			
Squash Bugs Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Sap Beetle			
Stink Bug spp. Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Seedpod Weevil			
Tobacco Budworm Tarnished Plant Bug Thrips Whitefly		Squash Bugs			
Tarnished Plant Bug Thrips Whitefly		Stink Bug spp.			
Thrips Whitefly					
Thrips Whitefly		Tarnished Plant Bug			
Whitefly					
1 440 Spotted Spider Witte 0.00 0.10 3.12 0.4		Two-spotted Spider Mite	0.08 - 0.10	5.12 - 6.4	

- To maintain a proper spray interval, do not make applications less than 10 days apart.
 Do not make more than 4 applications per season.
 Do not apply within 1 day of harvest (PHI).
 [*Not registered for sale or use in California.]

GRAPES[*]

Pest	Dos	age	Application Instructions
rest	Lb. A.i./A	Fl. Oz./A	Application instructions
Cutworms	0.05 - 0.10	3.2 - 6.4	Ground Application: Apply in water in a minimum of 25 gallons per acre.
Eastern Grape Leafhopper			
Grape Berry Moth			Air Application: Apply in water in a minimum of 10 gallons per acre.
Japanese Beetle (adults)			Emulsified oil may be substituted for water.

94730-8.202<u>40502.V1</u>20613.V3

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include previous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

			rage 17 01 31
Lady Beetle (Scymnus) Variegated Leafhopper Western Grape Leafhopper			See section entitled MIXING INSTRUCTIONS for details on the amount of oil to use in the spray tank in lieu of water.
Black Vine Weevil	0.10	6.4	of on to use in the spray tank in nea of water.
	0.10	0.4	
Glassy-winged Sharpshooter			When pest pressure is moderate to severe, use the higher rate.
Two-spotted Spider Mite			

Restrictions:

- Do not apply more than 0.10 lb. a.i. (6.4 ounces formulated) per acre per season.
- Do not apply within 30 days of harvest (PHI).
- [*Not registered for sale or use in California.]

HOPS

Doct	Dos	age	Application Instructions
Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions
Aphids	0.06 - 0.10	3.8 - 6.4	Ground Application : Apply in water in a minimum of 100 - 150 gallons
Armyworms			per acre in early season; 200 - 250 gallons per acre late season.
Cutworms			
Leafrollers			Air Application: Apply in water in a minimum of 10 gallons per acre.
Loopers			
Root Weevils	0.05 - 0.10	3.2 - 6.4	Make a directed spray up the vine 3 ft. and the soil surface 1.5 - 2 ft. on
Two-spotted Spider Mite	0.10	6.4	either side of the plant to control root weevil.

Restrictions:

- Do not apply more than 0.10 lb. a.i. (6.4 ounces formulated) per acre per application.
- Do not apply more than 0.30 lb. a.i. (19.2 ounces formulated) per acre per season.
- To maintain a proper spray interval, do not make applications less than 21 days apart.
- Use of ultra-low volume (ULV) application on hops is prohibited.
- Do not apply within 14 days of harvest (PHI).

LEAFY BRASSICAS AND TURNIP GREENS[*]

Cron	Post	Dos	age	Application Instructions
Crop	Pest	Lb. A.i./A	Fl. Oz./A	Application instructions
Crop Broccoli Raab Bok Choy Kale Mizuna Mustard Greens Mustard Spinach Rape Greens Turnip Greens[*]	Aphids Armyworms Corn Earworm Crickets Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Grasshoppers Ground Beetles Imported Cabbageworm Japanese Beetle (Adults) Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs			Application Instructions Ground Application: Apply in water in a minimum of 10 gallons per acre. Air Application: Apply in water in a minimum of 2 gallons per acre. Emulsified oil may be substituted for water. See section entitled MIXING INSTRUCTIONS for details on the amount of oil to use in the spray tank in lieu of water. Thorough coverage is essential to achieve control.
Dashistiana	Thrips Tobacco Budworm Whitefly Wireworm (Adults) Banks Grass Mite Two-spotted Spider Mite Carmine Mite Pacific Spider Mite Lygus spp.	0.08 - 0.10	5.12 - 6.4	

- Do not apply more than 0.40 lb. a.i. (25.6 ounces formulated) per acre per season.
 Repeat applications if needed to maintain control, but do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest (PHI).
- [*Not registered for sale or use in California.]

LEAFY PETIOLE VEGETABLES

	Crop	Pest	Dosage	Application Instructions
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{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC – GCS Bifenthrin 2EC

ous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

	·			
		Lbs. A.i./A	Fl. Oz./A	
Cardoon	Aphids	0.033 - 0.10	2.1 - 6.4	Aerial Application: Apply in a minimum of 2 gallons
Celery	Armyworms			per acre.
Celtuce	Corn Earworm			
Chinese Celery	Crickets			Ground Application: Apply in a minimum of 10
Florence Fennel	Cucumber Beetles			gallons per acre.
Rhubarb	Cutworms			
Swiss Chard	Diamondback Moth			Thorough coverage is essential to achieve control.
	Flea Beetles			
	Ground Beetles			
	Leafhoppers			
	Loopers			
	Stink Bugs			
	Thrips			
	Wireworm (Adults)			
	Carmine Mite	0.08 - 0.10	5.12 - 6.4	
	Lygus spp.			
	Pacific Spider Mite			
	Two-spotted Spider Mite			

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 fl. oz. formulated) per acre per season.
- Do not make applications less than 7 days apart.
- Repeat applications if necessary to maintain control.
- Do not apply within 7 days of harvest (PHI).

LETTUCE, HEAD

Pest	Dosa	ge	Application Instructions		
Pest	Lb. A.i./A	Fl. Oz./A	Application instructions		
Aphids	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 15 gallons		
Armyworms			per acre.		
Corn Earworm					
Cucumber Beetles			Air Application: Apply in water in a minimum of 5 gallons per		
Cutworms			acre.		
Diamondback Moth					
Flea Beetle			Emulsified oil may be substituted for water. See section entitled		
Imported Cabbageworm			MIXING INSTRUCTIONS for details on the amount of oil to use in		
Leafhoppers			the spray tank in lieu of water.		
Loopers					
Saltmarsh Caterpillar					
Stink Bug spp.					
Tobacco Budworm					
Whitefly					
Carmine Mite	0.08 - 0.10	5.12 - 6.4			
Lygus spp.					
Two-spotted Spider Mite					

Restrictions:

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- Do not apply within 7 days of harvest (PHI).

MAYHAW[*]

Pest Dosage Lb. A.i./A FI Oz./A	Dosage		Application Instructions
	Application Instructions		
Plum Curculio	0.08 - 0.10	5.12 - 6.4	Ground Application: Apply in water in a minimum of 28 gallons of finished spray per acre.
			Air Application: Apply in water in a minimum of 2 gallons per acre.
			Apply in sufficient water to obtain uniform coverage as needed.

- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) per acre per season.
 To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply within 30 days of harvest (PHI).

[*Not registered for sale or use in California.]

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include prev ous pending editsNotification to add an ABN,update the emergency contact info, and update optional marketing language. Page **19** of **31**

OKRA

Pest	Dosage		Application Instructions				
Pest	Lb. A.i./A Fl. Oz./A		Application histractions				
Aphids Armyworms	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons of finished spray per acre.				
Corn Earworm			misrica spray per dorer				
Cucumber Beetles			Air Application: Apply in water in a minimum of 2 gallons per acre.				
Cutworms							
European Corn Borer			Apply in sufficient water to obtain uniform coverage as needed.				
Flea Beetles							
Japanese Beetle (Adults)							
Leafminers							
Loopers							
Stink bugs							
Thrips							
Whitefly							
Broad Mite	0.08 - 0.10	5.12 - 6.4					
Carmine Mite							
Lygus spp.							
Two-spotted Spider Mite							

Restrictions:

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) per acre per season.
- Do not apply within 7 days of harvest (PHI).

PEANUT[*]

Pest	Dosa	ge	Application Instructions		
Pest	Lb. A.i./A Fl. Oz./A		Application instructions		
Beet Armyworm	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons		
Corn Earworm			of finished spray per acre.		
Cutworm Species					
Fall Armyworm			Air Application: Apply in water in a minimum of 2 gallons per		
Grasshoppers			acre.		
Green Cloverworm					
Leafhoppers			Apply in sufficient water to obtain uniform coverage as needed.		
Lesser Cornstalk Borer					
Loopers					
Rednecked Peanut Worm					
Southern Armyworm					
Southern Corn Rootworm					
Stink Bugs					
Threecornered Alfalfa Hopper					
Velvetbean Caterpillar					
Yellowstriped Armyworm					
Aphids	0.06 - 0.10	3.8 - 6.4			
Spider Mites					
Thrips					
Whitefly					

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- To maintain a proper spray interval, do not make applications less than 14 days apart.
- Do not feed immature plants and peanut hay to livestock.
- Do not apply within 14 days of harvest (PHI).
 [*Not registered for sale or use in California.]

PEARS

,			
Pest	Dosa	age	Application Instructions
Pest	Lb. A.i./A	Fl. Oz./A	Application instructions
Aphids	0.04 - 0.20	2.6 - 12.8	Ground Application: Apply in water in a minimum of 200 gallons per
Codling Moth			acre (dilute) and 50 gallons per acre (concentrate).
Cutworms			
Green Fruitworm			Air Application: Apply in water in a minimum of 10 gallons per acre
Leafhoppers			by air.
Leafminers			,

{Note to reviewer: [Text] in brackets denotes optional text.}

Generic Crop Science, LLC – GCS Bifenthrin 2EC

Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN,update the emergency contact info, and update optional marketing language.

Leafrollers		
Lygus spp.		
Plant Bugs		
Plum Curculio		
San Jose Scale (Crawlers)		
Stink Bugs		
Tarnished Plant Bugs		
Two-spotted Spider Mite	0.06 - 0.20	3.8 - 12.8
Yellow Mite		
European Red Mite	0.08 - 0.20	5.12 - 12.8
Book Saltana		

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season with no more than 0.45 (28.8 ounces formulated) pound active per acre applied after petal fall.
- To maintain a proper spray interval, do not make applications less than 30 days apart.
- Do not graze livestock in treated orchards or cut treated cover crops for feed.
- Do not apply within 14 days of harvest (PHI).

ROOT CROPS (except Sugar Beets[*])

Crop	Pest	Dosa	age	Application Instructions
Сгор	rest	Lb. A.i./A	Fl. Oz./A	Application instructions
Burdock, edible	Aphids	0.08 - 0.10	5.12 - 6.4	Ground Application: Apply in water in a
Carrot	Beet Armyworm			minimum of 25 gallons of finished spray per
Celeriac	Celery Leaftier			acre.
Chervil, Turnip rooted	Corn Earworm			
Chicory	Cross-Striped			Air Application: Apply in water in a minimum of
Ginseng	Cabbageworm			2 gallons per acre.
Horseradish	Cutworm Species			
Parsley, Turnip rooted	Diamondback moth			Apply in sufficient water to obtain uniform
Parsnip	European Corn Borer			coverage as needed.
Radish	Fall Armyworm			
Radish, Oriental	Flea Beetles			
Rutabaga	Green Cloverworm			
Salsify	Hornworms			
Salsify, Black	Imported Cabbageworm			
Salsify, Spanish	Loopers			
Skirret	Southern Armyworm			
Turnip	Spider Mites			
	Tobacco Budworm			
	Velvetbean Caterpillar			
	Whitefly			
	Yellowstriped Armyworm			

Restrictions:

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season.
- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply within 21 days of harvest (PHI). [*Not registered for sale or use in California.]

Cron	Crop Pest		age	Application Instructions
Сгор	rest	Lb. A.i./A	Fl. Oz./A	Application instructions
Garden Beet	Aphids Flea Beetles Lepidopterous (Larvae)	0.08 - 0.10	5.12 - 6.4	Ground Application: Apply in water in a minimum of 25 gallons of finished spray per acre.
	Spider Mites Whitefly			Air Application: Apply in water in a minimum of 2 gallons per acre.
				Apply in sufficient water to obtain uniform coverage as needed.

Restrictions:

- Do not apply more than 0.40 lb. a.i. (25.6 ounces formulated) per acre per season.
- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply within 1 day of harvest (PHI).

SOYBEANS[*]

Doct	Dosa	age	Application Instructions	
Pest	Lb. A.i./A	Fl. Oz./A	Application Instructions	
Alfalfa Caterpillar	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons	
Aphids			per acre.	

94730-8.202<u>40502.V120613.V3</u> {Note to reviewer: [Text] in brackets denotes optional text.} Generic Crop Science, LLC – GCS Bifenthrin 2EC Amendment to add RUP-stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update

optional marketing language.

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Aster Leafhopper			
Bean Leaf Beetle			Air Application: Apply in water in a minimum of 2 gallon per
Beet Armyworm ¹			acre.
Cloverworm			
Corn Earworm			¹ Pyrethroid resistance is common for Beet Armyworm and Tobacco
Corn Rootworm (Adults)			Budworm. Consult your local extension specialist, certified crop
Cucumber Beetles			advisor, and/or manufacturer for insecticide resistance management
Cutworms			and/or IPM guidance for the specific site and resistant pest problems.
Dectes Stem Borer			
European Corn Borer			
Fall Armyworm			
False Chinch Bug			
Flea Beetle			
Grasshoppers			
Imported Cabbageworm			
Japanese Beetle (Adults)			
Leafhoppers			
Leafminers			
Loopers			
Mexican Bean Beetle (Adults)			
Pea Leaf Weevil			
Pea Weevil			
Plant Bug			
Saltmarsh Caterpillar			
Sap Beetle			
Southern Armyworm			
Soybean Aphid			
Spittle Bugs			
Stink Bugs			
Tarnished Plant Bug			
Thrips			
Tobacco Budworm ¹			
Webworms			
Western Bean Cutworm			
Whitefly			
Velvet Bean Caterpillar			
Yellowstriped Armyworm			
Lygus spp.	0.08 - 0.10	5.12 - 6.4	
Whitefly			
Two-spotted Spider Mite			
Destrictions.		•	4

Restrictions:

- To maintain a proper spray interval, do not make applications less than 30 days apart.
 Do not apply more than 0.30 lb. a.i. (12.8 ounces formulated) per acre per season.
 Do not apply within 18 days of harvest (PHI).
 [*Not registered for sale or use in California.]

SPINACH

Pests	Dos	age	Application Instructions
Pests	Lb. A.i./A	Fl. Oz./A	Application instructions
Armyworms Colorado Potato Beetle Corn Earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafminers Loopers Pepper Weevil Thrips Tomato Hornworm Tomato Pinworm Whitefly	0.033 - 0.10	2.1 - 6.4	Ground Application: Apply in water in a minimum of 10 gallons per acre. Air Application: Apply in water in a minimum of 5 gallons per acre. For whitefly control either at-planting or as a foliar treatment, apply up to 6.4 oz. (0.10 lb. active) per acre being careful not to exceed reapplication intervals or maximum dosage rates specified in this section.
Banks Grass Mite Broad Mite	0.08 - 0.10	5.12 - 6.4	

94730-8.20240502.V120613.V3 {Note to reviewer: [Text] in brackets denotes optional text.} Generic Crop Science, LLC – GCS Bifenthrin 2EC Amendment to add RUP stmt, add'1 crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update

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Carmine Mite
Lygus spp.
Pacific Spider Mite
Two-spotted Spider Mite

Restrictions:

optional marketing language.

- To maintain a proper spray interval, do not make applications less than 7 days apart.
- Do not apply more than 0.40 lb. a.i. (25.6 ounces formulated) per acre per season.
- Do not apply within 40 days of harvest (PHI).

STRAWBERRY

Pest	Dosage		Application Instructions		
rest	Lb. A.i./A Fl. Oz./A		Application instructions		
Aphids Armyworms	0.04 - 0.20	2.56 - 12.8	Apply when pest populations reach damaging thresholds and repeat as necessary at 7- to 14-day intervals.		
Flea Beetles			necessary at 7 to 21 day intervals.		
Heliothis spp.			Aerial Application: Aerial application is prohibited in Florida. Apply		
Leafrollers			specified rate in a minimum of 5 gallons per acre.		
Lygus spp.					
Plant Bugs			Ground Application: Apply a full cover spray in a minimum of 50 gallons		
Spittlebugs			of finished spray per acre.		
Stink Bugs					
Strawberry Clipper			CALIFORNIA SPECIFIC REQUIREMENTS FOR STRAWBERRY HARVESTERS:		
Strawberry Sap Beetle			Harvesters and other personnel performing tasks with all day foliage		
Strawberry Root Weevil	0.05 - 0.20	3.2 - 12.8	contact in treated fields within five (5) days of application must wear a		
Black Vine Weevil			long-sleeved shirt, long pants, and shoes plus socks. Following treatment		
Spider Mites	0.1 - 0.20	6.4 - 12.8	of strawberry fields at rates of [GCS Bifenthrin 2EC] {or} [this product] greater than 0.1 lb. a.i./acre harvesters must wear gloves for five (5) days following application.		

Restrictions

- Do not apply more than 0.50 lb. a.i. (32 ounces formulated product) per acre per season.
- No pre-harvest interval required.

SUCCULENT PEAS AND BEANS

Cron	Pest	Dosa	age	Application Instructions	
Crop	Pest	Lb. A.i./A	Fl. Oz./A	Application instructions	
Pea (Pisum spp.)	Aster Leafhopper	0.025 - 0.10	1.6 - 6.4	Ground Application: Apply in water in a	
Dwarf Pea	Flea Beetle			minimum of 10 gallons per acre.	
Edible-pod Pea	Grasshoppers[*]				
English Pea	Leafhoppers			Air Application: Apply in water in a	
Garden Pea	Alfalfa Caterpillar	0.033 - 0.10	2.1 - 6.4	minimum of 2 gallons per acre. Emulsified	
Green Pea	Aphids			oil may be substituted for water.	
Snow Pea	Bean Leaf Beetle				
Sugar Snap Pea	Beet Armyworm			See section entitled MIXING	
Bean (Phaseolus spp.)	Cloverworm			INSTRUCTIONS for details on amount of	
Broadbean (Succulent)	Corn Earworm			oil to use in the spray tank.	
Lima Bean (Green)	Corn Rootworm (Adults)				
Runner Bean	Cucumber Beetle				
Snap Bean	Cutworms				
Wax Bean	European Corn Borer				
Bean (Vigna spp.)	Fall Armyworm				
Asparagus Bean	Grasshoppers				
Blackeyed Pea	Japanese Beetle (Adults)				
Chinese Longbean	Loopers				
Cowpea	Pea Leaf Weevil				
Moth Bean	Pea Weevil				
Southern Pea	Plant Bugs				
Yardlong Bean	Sap Beetle				
Jackbean	Southern Armyworm				
Pigeon Pea	Stink Bugs				
Soybean (Immature Seed)	Tarnished Plant Bug				
Sword Bean	Thrips				
	Webworms				
	Western Bean Cutworm				
	Whitefly				

{Note to reviewer: [Text] in brackets denotes optional text.}

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			8
Yellowstriped Armyworm			
Banks Grass Mite	0.08 - 0.10	5.12 - 6.4	
Carmine Mite			
Lygus spp.			
Two-spotted Spider Mite			

Restrictions:

- Do not apply more than 0.20 lb. a.i. (12.8 ounces formulated product) per acre per season.
- Do not apply within 3 days of harvest (PHI).

[*Not registered for sale or use in California.]

TOPACCO

Pest	Dosa	ge	Application Instructions
rest	Lb. A.i./A	Fl. Oz./A	Application instructions
Armyworm spp.	0.0625 - 0.10	4.0 - 6.4	Pre-Transplant Soil Applications: Apply 0.0625 - 0.10 lb. a.i. per
Cutworm spp.			acre in a minimum of 10 gallons per acre to control soil pests. Use
Mole Crickets			of suitable equipment to incorporate into top 4" of the soil is
Stalk Borers			required to control below- ground pests.
Tobacco Flea Beetle (Larvae)			
White Grubs			Transplant Water Treatment Application: Apply 0.0625 - 0.10 lb.
Wireworms			a.i. per acre in a water treatment application volume of 10 - 200
			gallons per acre.
Aphid spp.	0.04 - 0.10	2.56 - 6.4	Foliar Applications: Apply 0.04 - 0.10 lb. a.i. per acre foliar
Armyworm spp.			application up to and including lay-by in a minimum of 10 gallons
Cutworm spp.			per acre.
Chinch Bugs			
Flea Beetle (Adults)			
Cucumber Beetle			
Grasshoppers			
Green Bugs			
Japanese Beetles			
Saltmarsh Caterpillar			
Stink Bugs			
Tarnished Plant Bugs			
Thrips			
Tobacco Budworm			
Tobacco Hornworm			
Whiteflies			
Spider Mites	0.10	6.4	
Lygus spp.			

Restrictions:

- For foliar applications, do not make more than 2 applications per season.
- May be tank mixed with Command®, Spartan®, and other herbicides approved for tobacco use.
- For all applications, do not apply more than 0.20 lb. a.i. (12.8 ounces formulated) per acre per season.
- Do not apply later than lay-by.

TREE NUTS CROPS

Tree Nut Crops: Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia nut (bush nut), Pecan, pistachio, and Walnut (Black & English)

Pest	Dosage		Application Instructions
rest	Lb. A.i./A	Fl. Oz./A	Application instructions
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	0.052 - 0.20	3.2 - 12.8	Ground Application: 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. Air Application: Apply in a minimum of 10 gallons of finished spray per acre.
European Red Mite	0.08 - 0.20	5.1 - 12.8	

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Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN,update the emergency contact info, and update optional marketing language.

Pecan Weevil
Spider Mites
Walnut Husk Fly
0.10 - 0.20
6.4 - 12.8

Restrictions:

- Minimum spray intervals: Apply [GCS Bifenthrin 2EC] {or} [this product] as needed to maintain control, but not apply at intervals sooner than 15 days.
- Observe a 21-day Pre-Harvest Interval (PHI) for Pecans and a 7-day Pre-Harvest Interval (PHI) for all other registered tree nut crops
- Do not exceed 0.20 lb. a.i. per acre per application; do not exceed 0.50 lb. a.i. per acre per season.
- Do not graze livestock in treated orchards or cut treated cover crops for feed.
- Do not apply within 21 days of harvest (PHI) for Pecans.
- Do not apply within 7 days of harvest (PHI) for all other nut crops.

TUREROUS AND CORM VEGETARIES

Crop	Pest	Dosa	ge	Application Instructions
Сгор	rest	Lb. A.i./A	Fl. Oz./A	Application instructions
Arracacha	Corn Wireworm	0.30	19.2	In-Furrow planting Time Treatment: [GCS
Arrowroot	Tobacco Wireworm	(at-plant)	(at-plant)	Bifenthrin 2EC] {or} [this product] may be applied
Chinese Artichoke	Japanese Beetle	0.05 - 0.15	3.2 - 9.6	as an in-furrow planting time treatment for the
Jerusalem	Grubs	(lay-by)	(lay-by)	control of wireworms, rootworms, and white
Artichoke	June Beetle			grubs. Apply [GCS Bifenthrin 2EC] {or} [this
Edible Canna	Southern Potato Wireworm			product] at the rate of 0.30 lb. a.i. per acre as an
Cassava (Bitter	Banded Cucumber Beetle	0.033 - 0.10	2.1 - 6.4	in-furrow spray or T-band spray at-planting time.
and Sweet)	Black Flea Beetle	(foliar)	(foliar)	
Chayote (Root)	Cucumber Beetle			Lay-By Treatment: [GCS Bifenthrin 2EC] {or} [this
Chufa	Rootworms			product] may be applied as a lay-by treatment for
Dasheen (Taro)	Sugarcane Beetle			the control of wireworms, rootworms, and white
Ginger	Sweet Potato Flea Beetle			grubs. Apply [GCS Bifenthrin 2EC] {or} [this
Leren	Sweet Potato Weevil			product] to the drill area and cover with soil
Potato	Whitefringed Beetle			utilizing cultivation equipment set to throw soil to
Sweet Potato	White Grub			the drill area.
Tanier .				
Turmeric				Apply [GCS Bifenthrin 2EC] {or} [this product] as a
Yam Bean				banded spray over the row at a rate of 0.05 - 0.15
True Yam				lb. a.i. per acre (3.2 - 9.6 ounces formulated) in 10
				gallons per acre of spray.
				Foliar Spray: [GCS Bifenthrin 2EC] {or} [this
				product] may be applied as a foliar spray for the
				control of the adult life stages of flea beetles, click
				beetles (wireworms), cucumber beetles
				(rootworms), whitefringed beetles, and May/June
				beetles (white grubs). Apply [GCS Bifenthrin 2EC]
				{or} [this product] at the rate of 0.033 - 0.10 lb. a.i.
				per acre (2.1 - 6.4 ounces formulated) in 10 gallons
				of spray by ground and 3 gallons of spray by air.

Restrictions:

- For foliar applications, do not make more than 2 foliar applications per season and do not make application less than 21 days apart.
- Do not apply more than 0.50 lb. a.i. (32 ounces formulated) per acre per season, including soil applications.
- Do not apply within 21 days of harvest (PHI).

ORNAMENTALS* - USE INSTRUCTIONS

TO CONTROL LISTED INSECT PESTS ON ORNAMENTALS AND TREES (INCLUDING FIELD AND CONTAINER GROWN NURSERY STOCK¹, CHRISTMAS TREES, INTERIORSCAPES AND PLANTSCAPES², LAWNS², TREES² AND SHRUBS², AND ON GOLF COURSES² AND SOD FARMS¹).
*NOT REGISTERED FOR SALE OR USE IN CALIFORNIA.

¹Agricultrual uses covered by WPS.

²Non-agricultural uses not covered by WPS.

Do not use this product on golf courses and sod farms in Nassau or Suffolk County, New York.

For use on plants intended for aesthetic purposes or climatic modifications and being grown in interior plantscapes and on outdoor ornamentals, Christmas trees, nurseries, lawns, sod farms and golf courses.

[GCS Bifenthrin 2EC] {or} [this product] mixes with water and other aqueous carriers to control a broad assortment of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in interiorscapes, including: hotels, shopping malls, office buildings, and outdoor plantscapes nurseries, residential dwellings, parks, institutional buildings, recreational areas, athletic fields, golf courses, sod farms, and home lawns. Non-bearing crops are perennial crops that will not produce a harvestable raw

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agricultural commodity in 365 days following application.

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

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions:

- 1. Add wettable powders to tank water
- 2. Agitate
- 3. Add fluids and flowables
- 4. Agitate
- 5. Add emulsifiable concentrates
- 6. Agitate

If a mixture is found to be incompatible following the order of addition, try reversing the order of addition, or increase the volume of water. **Note:** If the tank mixture is found to be compatible after increasing the amount of water then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight. When using tank mixes, observe all restrictions and precautions which appear on the labels of these products. Provide constant agitation to keep the mixture in solution.

APPLICATION INSTRUCTIONS

TRUNK SPRAYS TO ORNAMENTAL TREES (including Christmas trees)

For Control of Bark Beetles and Boring Beetles

Refer to the table below. Application rates and timing differ according to the target pest and other factors specific to each local situation. Consult your local State Extension specialist or other qualified expert for recommendations. **Note:** Do not apply more than 12.8 fl. oz. (0.20 lb. a.i.) per acre of this product to trees. Repeat application may be necessary if reinfestation is likely.

Pest	Dosage	Spray Volume	Remarks and Restrictions
Dendroctonus bark beetles such as mountain	16 - 32 fl. oz.	Use 1 - 4 gallons	Make applications to the trunk of the
pine beetle, Southern pine beetle, Western pine	per 100 gallons	of finished spray	tree with a hydraulic sprayer in the
beetle, and black turpentine beetle.	(0.25 - 0.50 lb. a.i.	per tree.	early spring or prior to adult beetle
	per 100 gallons)		flight and tree infestation.
Engraver beetle (Ips spp.)	16 - 32 fl. oz.	Use 10 - 14	
	per 100 gallons	gallons of	Apply spray directly to the main trunk
	(0.25 - 0.50 lb. a.i.	finished spray	from the base of the tree to at least
	per 100 gallons)	per tree.	half-way into the live crown. Spray
			until the bark is thoroughly wet.
Other bark beetles such as ambrosia beetles,	16 - 32 fl. oz.	Use 2 - 5 gallons	Make applications of a spray mixture
elm bark beetles, and metallic wood borers such	per 100 gallons	of finished spray	to the trunk, scaffolding and limbs of
as emerald ash borer.	(0.25 - 0.50 lb. a.i.	per tree.	the tree with a hydraulic sprayer in
	per 100 gallons)		the early spring or prior to adult
			beetle flight and tree infestations.
			Spray until the bark is thoroughly wet.
Clearwing moth borers such as ash borer,	6.4 - 12.8 fl. oz.	Use 1 - 4 gallons	Apply to the branches and trunks
banded ash clearwing, dogwood borer, lesser	per 100 gallons	of finished spray	prior to adult emergence. Spray until
peachtree borer, lilac borer, oak borer,	(0.10 - 0.20 lb. a.i.	per tree.	the bark is thoroughly wet. For
peachtree borer, and rhododendron borer.	per 100 gallons)		maximum residual control, use
			highest recommended label rate.
Coleopteran borers such as bronze birch borer			
and flatheaded apple tree borer.			

Treatment of Infested Trees to Control Emerging Brood

Make applications of a spray mixture containing 2 pints of [GCS Bifenthrin 2EC] {or} [this product] per 100 gallons of water to trees that still have beetles in the bark. Apply spray directly to the main trunk from the base of the tree to at least half-way into the live crown. Spray until the bark is thoroughly wet (usually 1 - 4 gallons of spray per tree). Do not apply more than 0.20 lb. a.i. (12.8 fl. oz.) of this product to trees per acre.

Trees on which all needles have turned brown generally have been vacated and must not be sprayed unless infestation is confirmed. To confirm an infestation, scrape off the outer bark to determine if trees are still infested. If live infestations remain in the trunks, fell the trees, and cut into sections. Spray the trunk and large limbs and turn sections so that all of the surface area can be treated. Do not apply more than 0.20 lb. a.i. (12.8 fl. oz.) of this product to trees per acre.

FOLIAR SPRAYS TO ORNAMENTALS AND TREES

(Field and Container Grown Nursery Stock, Christmas Trees, Interiorscapes and Plantscapes, Lawns, Trees and Shrubs, and on Golf

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Courses and Sod Farms)

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For applications to ornamentals (trees, shrubs, ground covers, bedding plants and foliage plants, conifers (field and container grown), Christmas Trees and pine seed orchards) apply 0.04 - 0.32 fl. oz. [GCS Bifenthrin 2EC] {or} [this product] per 1,000 sq. ft. or 1.8 - 14.4 fl. oz. per 100 gallons. [GCS Bifenthrin 2EC] {or} [this product] may be diluted and applied in various volumes of water providing that the maximum label rate (0.32 fl. oz. per 1,000 sq. ft. or 14.4 fl. oz. per 100 gallons) is not exceeded. [GCS Bifenthrin 2EC] {or} [this product] may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate (0.32 fl. oz. per 1,000 sq. ft. or 14.4 fl. oz. per 100 gallons) is not exceeded.

Calculating Dilution Rates Using the Ornamental Application Rates Table and the GCS Bifenthrin 2EC Dilution Chart

Use the following steps to determine the appropriate dilution of this product required to control the specific pests:

- 1. Find the least susceptible target pest (the pest that requires the highest labeled application rate for control).
- 2. Select an application rate in terms of fluid ounces of this product.
- 3. Find your application volume and how much spray you want to prepare.
- 4. Use the GCS BIFENTHRIN 2EC ORNAMENTAL DILUTION CHART to determine the appropriate volume of this product that must be mixed in your desired volume of water.

For example, to control black vine weevil adults on rhododendron, the **ORNAMENTAL AND TREE FOLIAR APPLICATION RATES** table shows that 0.08 - 0.16 fl. oz. of this product must be applied per 1,000 sq. ft. You select an application rate of 0.16 fl. oz. per 1,000 sq. ft. because maximum residual control is desired. Your application volume is approximately 300 gallons per acre which is equivalent to 6.9 gallons per 1,000 sq. ft. Consulting the **GCS BIFENTHRIN 2EC ORNAMENTAL DILUTION CHART** shows that you must dilute 0.24 fl. oz. of this product in 10 gallons of water.

	GCS BIFENTHRIN 2EC ORNAMENTAL DILUTION CHART						
Application		Fluid Ounces (m	L) of GCS Bifenth	rin 2EC diluted	to the Volumes o	of Finished Spray	1
Rate	1 Ga	llon	5 Ga	llons	10 Ga	allons	100 Gallons
Fl. Oz./1,000 Sq. Ft.	Fl. Oz.	mL	Fl. Oz.	mL	Fl. Oz.	mL	Fl. Oz.
0.04	0.018	0.5	0.09	2.6	0.18	5.3	1.8
0.08	0.036	1.1	0.18	5.3	0.36	10.6	3.6
0.16	0.072	2.1	0.36	10.6	0.72	21.3	7.2
0.32	0.144	4.3	0.72	21.3	1.44	42.6	14.4

(7.9)(Fl. Oz. of GCS Bifenthrin 2EC added to tank = Percent Active Ingredient of Spray Mix

(gallons of finished spray mix)(128)

ORNAMENTAL AND TREE FOLIAR APPLICATION RATES

The application rates listed in the following table will provide control of the noted pests under typical conditions. However, at the discretion of the applicator, this product may be applied at up to 0.32 fl. oz. per 1,000 sq. ft. (14.4 fl. oz. per 100 gallons) to control each of the pest listed in this table. The higher application rates must be used when maximum residual control is desired.

Pest	Dosage	Remarks and Restrictions
Bagworms ¹	0.04 - 0.08 fl. oz. per 1,000 sq. ft.	¹ Bagworms: For best results, apply when larvae begin to
Cutworms	(1.8 - 3.8 fl. oz. per 100 gallons)	hatch and spray larvae directly. Applications when larvae
Elm Leaf Beetles		are young will be most effective.
Fall Webworms		
Gypsy Moth Caterpillars		² Beetles, Scale Crawlers, Twig Borers, and Weevils: May
Lace Bugs		treat trunks, stems, and twigs in addition to plant foliage.
Leaf Feeding Caterpillars		
Tent Caterpillars		³ Spider Mites: [GCS Bifenthrin 2EC] {or} [this product]
Tussock Moth		provides optimal two-spotted spider mite control when
Adelgids	0.08 - 0.16 fl. oz. per 1,000 sq. ft.	applied during spring to mid-summer. Higher application
Ants	(3.6 - 7.2 fl. oz. per 100 gallons)	rates and/or more frequent treatments may be required
Aphids		for acceptable two-spotted spider mite control during
Bees		mid- to late-summer. The addition of a surfactant or
Beet Armyworm		horticultural oil may increase the effectiveness of this
Beetles ²		product. Combinations of this product with other
Black Vine Weevil (Adults)		registered miticides have also proven effective.
Scales, such as		Alternately, [GCS Bifenthrin 2EC] {or} [this product]
Brown Soft Scales		applications may be rotated with those of other products
California Red Scale (Crawlers) ²		that have different modes of action in control programs
Elongated Hemlock Scale		that are designed to manage resistance by two-spotted
Pine Needle Scales (Crawlers) ²		spider mites. Consult your local Cooperative Extension
San Jose Scales (Crawlers) ²		Service for resistance management recommendations in
Broad Mites		your region.
Budworms		

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ous pending edits Notification to add an ABN, update the emergency contact info, and update optional marketing language.

		Page 27 01 31
Cicadas		
Citrus Thrips		
Clover Mites		
Crickets		
Earwigs		
European Red Mite		
Flea Beetles		
Fungus Gnats (Adults)		
Glassy-winged Sharpshooter		
Grasshoppers		
Japanese Beetle (Adults)		
Leafhoppers		
Leafrollers		
Mealybugs		
Mites		
Spruce Spider Mite		
Mosquitoes		
Nantucket Pine Tip Moth		
Pillbugs		
Pine Sawflies		
Plant Bugs (including Lygus spp.)		
Psyllids		
Scorpions		
Spider Mites ³		
Spiders		
Spittlebugs		
Thrips		
Tip Moths		
Treehoppers		
Twig Borers ²		
Wasps		
Weevils ² such as		
White Pine Weevil		
Pales Weevil		
Diaprepes (Adults)		
Orchid Weevil		
Whiteflies		
Zimmerman Pine Moths		
Leafminers	0.16 - 0.32 fl. oz. per 1,000 sq. ft.	
Pecan Leaf Scorch Mite	(7.2 - 14.4 fl. oz. per 100 gallons)	
Pine Shoot Beetle (Adults)		
Spider Mites ³		

BROADCAST SPRAYS TO TURFGRASS (including lawns, golf courses, sod farms, parks, etc.)
Apply [GCS Bifenthrin 2EC] {or} [this product] as a broadcast treatment. Use higher volumes up to 10 gallons of carrier per 1,000 square feet to get uniform coverage when treating dense grass foliage.

For low water volume usage, less than 2 gallons/1,000 sq. ft., addition of a non-ionic or silicone-based surfactant (0.25% v/v) is recommended. Irrigation to treated area within a few hours following application can improve efficacy to sub-surface pests such as, but not limited to, mole crickets.

Restrictions:

- In New York State, this product may NOT be applied to any grass or turf area within 100 ft. of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- In New York State, do make a single repeat application of this product if there are signs of renewed insect activity, but not sooner than 2 weeks after the first application.

 Do not use this product on golf courses and sod farms in Nassau or Suffolk County, New York.

Spray Drift Precautions (For Turf & Ornamental Uses)

- Do not apply when wind conditions laver downwind drift to nearby water bodies.
- Do not apply when wind velocity exceeds 10 mph. Avoid application when wind gusts approach 10 mph.
- Apply using nozzles that provide the largest droplet size compatible with adequate coverage

Turfgrass Application Rates

The application rates listed in the following table will provide control of the respective pests under typical conditions. However, at the discretion of the applicator, [GCS Bifenthrin 2EC] {or} [this product] may be applied at up to 0.32 fl. oz. per 1,000 sq. ft. to control each of the pests listed in this table. The higher application rates must be used when maximum residual control is desired or heavy pest

{Note to reviewer: [Text] in brackets denotes optional text.}

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Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update optional marketing language.

populations occur.

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Pest	Dosage
Armyworms ¹	0.05 - 0.08 fl. oz. per 1,000 sq. ft.
Cutworms ¹	
Sod Webworm ¹	
Annual Bluegrass Weevil (Hyperodes) (Adults) ²	0.08 - 0.16 fl. oz. per 1,000 sq. ft.
Banks Grass Mite ⁶	
Billbugs (Adults) ³	
Black Turfgrass Ataenius (Adults) ⁴	
Crickets	
Earwigs	
Grasshoppers	
Mealybugs	
Mites ⁶	
Ants	0.16 - 0.32 fl. oz. per 1,000 sq. ft.
Chinch Bugs ⁵	
Japanese Beetle (Adults)	
Mole Cricket (Adults) ⁷	
Mole Cricket (Nymph) ⁸	

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", then higher application rates (up to 0.32 fl. oz. per 1,000 sq. ft.) may be required during periods of high pest pressure.

²Annual Bluegrass Weevil (*Hyperodes*) adults: Applications must 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 (*Carnes florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

³Billbug adults: Applications must 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 must be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. The May application must be tamed to coincide with the full bloom stage of Vanhoutte spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). The July application must be timed to coincide with this 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 0.32 fl. oz. per 1,000 sq. ft.) may be required to control populations that contain both nymphs and adults during the middle of the summer.

⁶Mites: 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.

7Mole 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 must be made as late in the day as possible and must be watered in with up to 0.50" 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. Gross areas that receive pressure from adult mole crickets must be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

⁹Mole Cricket nymphs: Grass areas that received intense adult mole cricket pressure in the spring must 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 must be made as late in the day as possible and must be watered in with up to 0.50" 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.

GCS BIFENTHRIN 2EC LAWN DILUTION CHART								
Application	Application Rate: Fl. Oz./ 1,000 Sq. Ft.	Fluid Ounces (mL) of GCS Bifenthrin 2EC diluted to the Volumes of Finished Spray						
Volume: Gallons/ 1,000 Sq. Ft.		1 Gallon		5 Gallons		10 Gallons		100 Gallons
		Fl. Oz.	mL	Fl. Oz.	mL	Fl. Oz.	mL	Fl. Oz.
1	0.05	0.05	1.48	0.25	7.39	0.50	14.8	5.00
1	0.08	0.08	2.37	0.40	11.83	0.80	23.7	8.00
1	0.16	0.16	4.73	0.80	23.66	1.60	47.3	16.00
1	0.32	0.32	9.46	1.60	47.32	3.20	94.6	32.00
2	0.05	0.025	0.74	0.13	3.70	0.25	7.4	2.50
2	0.08	0.040	1.18	0.20	5.91	0.40	11.8	4.00
2	0.16	0.080	2.37	0.40	11.83	0.80	23.7	8.00
2	0.32	0.160	4.73	0.80	23.66	1.60	47.3	16.00
3	0.05	0.017	0.49	0.08	2.46	0.17	4.9	1.67
3	0.08	0.027	0.79	0.13	3.94	0.27	7.9	2.67

{Note to reviewer: [Text] in brackets denotes optional text.}

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Amendment to add RUP stmt, add'l crop sites, and include previous pending editsNotification to add an ABN, update the emergency contact info, and update optional marketing language.

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3	0.16	0.053	1.58	0.27	7.89	0.53	15.8	5.33
3	0.32	0.107	3.15	0.53	15.77	1.07	31.5	10.67
4	0.05	0.013	0.37	0.06	1.85	0.13	3.7	1.25
4	0.08	0.020	0.59	0.10	2.96	0.20	5.9	2.00
4	0.16	0.040	1.18	0.20	5.91	0.40	11.8	4.00
4	0.32	0.080	2.37	0.40	11.83	0.80	23.7	8.00
5	0.05	0.010	0.30	0.05	1.48	0.10	3.0	1.00
5	0.08	0.016	0.47	0.08	2.37	0.16	4.7	1.60
5	0.16	0.032	0.95	0.16	4.73	0.32	9.5	3.20
5	0.32	0.064	1.89	0.32	9.46	0.64	18.9	6.40
10	0.05	0.005	0.15	0.03	0.74	0.05	1.5	0.50
10	0.08	0.008	0.24	0.04	1.18	0.08	2.4	0.80
10	0.16	0.016	0.47	0.08	2.37	0.16	4.7	1.60
10	0.32	0.032	0.95	0.16	4.73	0.32	9.5	3.20

Attention

- Do not apply to pets, crops, or sources of electricity.
- Firewood is not to be treated.
- Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies.
- · Do not apply this pesticide in livestock buildings (barns).
- Keep children and pets off treated areas following application until the spray has dried.
- Do not apply by air.
- Do not use in greenhouses.
- Do not apply this product through any type of irrigation system. Do not apply when a temperature inversion exists.
- Do not apply for surface feeding pests if rain is expected within 12 hours (or whatever time is necessary for the spray to dry).
- For turf treatment, apply with nozzles not more than 2 ft. above the grass.
- Do not apply within 25 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
- Do not apply when grass areas are waterlogged or the soil is saturated with water (i.e., will not accept irrigation).
- Vinyl and Aluminum Siding: Do not spray directly onto vinyl or aluminum siding. If [GCS Bifenthrin 2EC] {or} [this product] inadvertently contacts vinyl and aluminum siding (particularly lightly colored, aged, weathered, or otherwise damaged), it may result in staining, bleaching or discoloration. Wash off thoroughly with detergent and water. Factors such as extreme heat and direct sunlight can promote damage when using emulsifiable concentrates. Avoid application to vinyl or aluminum siding while exposed to direct sunlight or during the heat of the day.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Keep out of reach of children and animals. Store in original containers only, in a cool, dry place and avoid excess heat. Do not freeze. Do not store below 40°F. Carefully open containers. If crystals are observed, warm material to above 60°F by placing container in warm location. Shake or roll container periodically to redissolve solids. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills. **To confine spill:** If liquid, dike surrounding area or absorb with sand, cat litter, or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL:

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER HANDLING

[For plastic containers less than or equal to 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 greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container

[For plastic containers greater than 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.]

[Returnable/Refillable Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.]

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Generic Crop Science, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Generic Crop Science, LLC and Seller harmless for any claims relating to such factors.

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