

34704-1045

8/31/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 31 2012

Premjit Halarnkar Ph D MPA
Loveland Products Inc
P O Box 1286
Greeley CO 80632 1286

Subject Amendment Adding Pest (Kudzu bug)
Swagger
EPA Reg No 34704 1045
Your Submission Dated August 13 2012

Dear Dr Halarnkar

The labeling referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA) as amended is acceptable A stamped copy of the label is enclosed for your records

If you have any questions regarding this action please contact BeWanda Alexander at Alexanderbewanda@epa.gov or (703) 305 7460

Sincerely

A handwritten signature in cursive script that reads "BeWanda Alexander".

Richard Gebken
Product Manager Team 10
Insecticide Branch
Registration Division (7505P)

Enclosure

RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicators certification



SWAGGER

ACCEPTED
AUG 31 2012
Under the Federal Insecticide Fungicide and Rodenticide Act as amended for the pesticide Registered under EPA Reg No. 34704-1045

ACTIVE INGREDIENTS

By Wt

Bifenthrin (2 methyl[1 1 biphenyl] 3 yl) methyl 3 (2 chloro 3 3 3 trifluoro 1 propenyl) 2 2 dimethyl cyclopropanecarboxylate*

5 70%

Imidacloprid 1 [(6 Chloro 3 pyridinyl)methyl] N nitro 2 imidazolidinimine

5 70%

OTHER INGREDIENTS

88 60%

TOTAL

100 00%

CIS isomers 97% minimum trans isomers 3% maximum
This product contains 1/2 lb each of Bifenthrin and Imidacloprid active ingredient per gallon

**KEEP OUT OF REACH OF CHILDREN
DANGER—PELIGRO**

This label must be in the possession of the user at the time of application Si usted no entiende la etiqueta busque a alguien para que se a explique a usted en detalle (If you do not understand the label find someone to explain it to you in detail)

See other panels for additional precautionary information

FIRST AID	
If Swallowed	Immediately call a poison control center or doctor for treatment advice Do not induce vomiting unless told to do so by the poison control center or doctor Do not give any liquids 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 to 20 minutes Remove contact lenses if present after the first 5 minutes then continue rinsing eye Call a poison control center or doctor for treatment advice
If on Skin or Clothing	Take off contaminated clothing Rinse skin immediately with plenty of water for 15 to 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 Call a poison control center or doctor for treatment advice
Have the product container or label with you when calling a poison control center or doctor or going for treatment* For a medical emergency involving this product call 1 866 944 8565 Note to physician This product contains a pyrethroid If large amounts have been ingested the stomach and intestines should be evacuated Treatment is symptomatic and supportive Digestible fats oils or alcohol may increase absorption and so should be avoided	

EPA REG NO 34704 1045

EPA EST NO 34704 MS 002

NET CONTENTS 1 GAL (3 78 L)

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**SWAGGER™
EPA REG NO 34704 1045**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Corrosive Causes irreversible eye damage Harmful if absorbed through skin or swallowed Do not get in eyes or on clothing Wear protective eyewear (goggles face shield or safety glasses) 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 If you want more options follow the instruction for Category E on the EPA Chemical resistance category section chart

Applicators and other handlers must wear

- Long sleeved shirt and long pants
- Protective eyewear
- Chemical resistant gloves such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton and
- 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 use detergent and hot water Keep and wash PPE separately from other laundry

USER SAFETY RECOMMENDATIONS

Users should

- Wash hands before eating drinking chewing gum using tobacco or using the toilet
- Remove clothing immediately if pesticide gets inside Then wash thoroughly and put on clean clothing

AGRICULTURAL USE REQUIREMENTS

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

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

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

- Coveralls
- Chemical resistant gloves such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton and
- Shoes plus socks

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates Use with care when applying in areas adjacent to any body of water Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark Do not make applications when weather conditions favor drift from treated areas Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas Do not contaminate water when disposing of equipment washwaters

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area

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

The chemical imidacloprid demonstrates the properties and characteristics associated with chemicals detected in groundwater The use of this chemical in areas where soils are permeable particularly where the water table is shallow may result in groundwater contamination

DIRECTIONS FOR USE

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

RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products with the same chemical class used repeatedly for control. Swagger® contains Group 3 and Group 4A insecticides. Although pest resistance can not be predicted, a general rule to reduce the onset of resistance in pest species to Swagger is not to consecutively and repeatedly apply Group 3 and/or Group 4A insecticides during a growing season for control of a particular pest target. Consult your local or state agricultural authorities or your Loveland Products, Inc. representative for more specific details on insect resistance management strategies.

The Group 4A active ingredient in Swagger is a member of the neonicotinoid chemical group. Avoid using a block of more than three consecutive applications of Swagger and/or other Group 4A products having the same or similar mode of action. Following a neonicotinoid block of treatments, Loveland Products, Inc. strongly encourages the rotation to a block of applications with effective products of different mode before using additional applications of neonicotinoid products. Using a block rotation or windowed approach, along with IPM practices, is considered an effective use strategy for preventing or delaying an insect's ability to develop resistance to this class of chemistry.

Foliar applications of Swagger or other Group 4A products from the neonicotinoid chemical class must not be used on crops previously treated with a long residual soil applied product from the neonicotinoid chemical class.

If resistance to this product develops in your area, this product or other products with a similar mode of action may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect(s) may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local Loveland Products, Inc. company representative or agricultural advisor for the best alternative method of control for your area.

Application Instructions

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

Use adequate spray volumes, properly calibrated application equipment and Vader® spray adjuvant to obtain thorough coverage. To optimize deposition, penetration, and translocation, use 0.25% v/v of Vader. Other adjuvants must be used at 0.25 to 0.50% v/v.

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

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

California Special Equipment and Restrictions Swagger must be used in a closed system that meets the criteria for closed systems as established by the California Department of Food and Agriculture. The criteria and a list of the closed systems meeting the criteria are available through the California Department of Food and Agriculture.

ROTATIONAL CROPS

Plant back restrictions are determined by the crop. Crops that have tolerances for both bifenthrin and imidacloprid may be rotated at any time. Crops with tolerances for bifenthrin and not imidacloprid can be rotated 12 months following the final application of Swagger. Crops that have tolerances for imidacloprid and not bifenthrin may be rotated 30 days following the final application of Swagger.

Plant back restrictions

Immediate plant back Crops on this label, as well as tobacco, tomatoes, eggplant, peppers, bell and non-bell, okra, caneberries, citrus, artichoke, lettuce (head and leaf), grapes, spinach, pears, hops, legume vegetables (edible podded), tuberous root and corm vegetables (except sugar beet), cilantro and coriander, soybeans and strawberries.

30 Day plant back Cereals, cucurbits, safflower

10 Month plant back Onion and bulb vegetables

12 Month plant back All other crops

MAXIMUM ALLOWABLE USE PER SEASON

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

Tank Mixture

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

BUFFER ZONES

Vegetative Buffer Zones

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

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

For guidance refer to the following publication for information on constructing and maintaining effective buffers *Conservation Buffers to Reduce Pesticide Losses Natural Resources Conservation Services* USDA NRCS 2000 Fort Worth Texas 21 pp <http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf>

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

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

Buffer Zone for ULV Aerial Application

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

Buffer Zone for Non ULV Aerial Application

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

SPRAY DRIFT REQUIREMENTS

Wind Direction and Speed

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

Temperature Inversion

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

Droplet Size

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

Additional Requirements for Ground Applications

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

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

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

Additional Requirements for Aerial Applications

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

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

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

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

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For LEPA irrigation a minimum of 0.75 inch of water per acre is recommended. Where non emulsified oils are used as the diluent 1.0 to 2.0 pints per acre is recommended.

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

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas.

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

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

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment. Swagger should be applied continuously for the duration of the water application. Swagger should be diluted in sufficient volume to ensure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation generally is not required when a suitable diluent is used. A diluent test should be conducted to ensure that phase separation will not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable control.

ARTICHOKE (Globe) (PHI 7 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	12.8 to 25.6	0.1 to 0.2
Artichoke plume moth		
Cribrate weevil		
Leafhopper spp		

Restrictions Preharvest Interval (PHI) 7 Days

Minimum interval between applications 15 Days

Maximum amount of Swagger allowed per season 51.2 ounces (0.4 pound active ingredient per acre)

Maximum amount of Imidacloprid allowed per season 0.5 pound active ingredient per acre

Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre

REMARKS Apply when pest population reaches damaging threshold and repeat as necessary to maintain control, but not more often than 15 day intervals.

Application by ground Apply a full cover spray in a minimum of 10.0 gallons of finished spray per acre.

Application by air Apply specified dosage in a minimum of 2.0 gallons per acre.

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BRASSICA (Head and Stem) (PHI 7 DAYS)

Broccoli Broccoli (Cavalo) Broccoli (Chinese) Brussels sprouts Cabbage Cabbage (Chinese Mustard) Cabbage (Chinese napa) Cauliflower, Cavalo Broccolo, Kohlrabi

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	8.48 to 12.2	0.066 to 0.095
Armyworm spp		
Budworm		
Corn earworm		
Crickets		
Cucumber beetle		
Cutworm spp		
Diamondback moth		
Ground beetles		
Grasshoppers		
Imported cabbageworm		
Leafhopper spp		
Loopers		
Lygus spp		
Saltmarsh caterpillar		
Stink bug spp		
Thrips		
Tobacco budworm		
Whitefly		
Wireworm (adults)		

Restrictions Preharvest Interval (PHI) 7 Days

Minimum interval between applications 7 Days

Maximum amount of Swagger allowed per season 61.44 ounces (0.48 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.24 pound active ingredient per acre

Apply Swagger up to 5 applications after bloom

REMARKS Apply in a minimum of 2.0 gallons of finished spray per acre by air or in a minimum of 10.0 gallons per acre with ground equipment. When applying by air 1.0 to 2.0 quarts of emulsified oil may be substituted for 1.0 to 2.0 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

BRASSICA (Leafy Greens) (PHI 7 DAYS)

Broccoli Raab, Cabbage (Chinese bok choy), Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	8.48 to 12.2	0.066 to 0.095
Armyworm spp		
Budworm		
Corn earworm		
Crickets		
Cucumber beetle		
Cutworm spp		
Diamondback moth		
Ground beetles		
Grasshoppers		
Imported cabbageworm		
Leafhopper spp		
Loopers		
Lygus spp		
Saltmarsh caterpillar		
Stink bug spp		
Thrips		
Tobacco budworm		
Whitefly		
Wireworm (adults)		

Cont d next page

Brassica (Leafy Greens) cont d

Restrictions Preharvest Interval (PHI) 7 Days
 Minimum interval between applications 7 Days
 Maximum amount of Swagger allowed per season 61.44 ounces (0.48 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.24 pound active ingredient per acre
 Apply Swagger up to 5 applications after bloom

REMARKS Apply in a minimum of 2.0 gallons of finished spray per acre by air or in a minimum of 10.0 gallons per acre with ground equipment. When applying by air 1.0 to 2.0 quarts of emulsified oil may be substituted for 1.0 to 2.0 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

CITRUS (PHI 1 DAY)* Calamondin Citron citron Citrus hybrids (includes chironja tangelo and tangor) Grapefruit Kumquat Lemon Lime Mandarin (tangerine) Pummelo Orange (sweet and sour) Satsuma mandarin White sapote (*Casimiroa* spp) and other cultivars and/or hybrids of these

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphids	32.0 to 64.0	0.25 to 0.50
Asian citrus psyllid		
Black fly		
Blue green citrus root weevil (<i>Pachnaeus opalus</i>)		
Brown leaf notcher (<i>Epicacrus mexicanus</i>)		
Diaprepes root weevil (<i>Diaprepes abbreviatus</i>)		
Leafhoppers/Sharpshooters		
Leafminers		
Little leaf notcher (<i>Artipus floridanus</i>)		
Mealy bugs		
Scales		
Southern blue green citrus root weevil (<i>Pachnaeus litus</i>)		
Whiteflies		

Restrictions

Not for use in California

Do not apply by air or through irrigation systems
 Do not apply during bloom or within 10 days prior to bloom or when bees are actively foraging
 Preharvest Interval (PHI) 1 day
 Minimum interval between applications 10 days
 Maximum amount of Swagger allowed per season 64.0 ounces (0.5 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.25 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.25 pound active ingredient per acre

REMARKS Citrus

Do not allow any application of the product to contact fruit or foliage
 Apply the specified dosage in a minimum of 40.0 gallons of finished spray per acre
 Scales – time application to the crawler stage. Treat each generation
 Where concentrated applications are appropriate increase the spray solution concentration to apply an equivalent rate per acre to that applied in the diluted application. The 64.0 fluid ounces per acre rate is based on full sized trees. This rate may be reduced proportionally for smaller trees.
 The use of this product protects citrus tree roots from *Diaprepes* and other citrus root weevil feeding by creating a barrier. As Citrus root weevil eggs hatch the newly hatched larvae (neonates) fall to the soil surface beneath the tree and come into contact with this product as they attempt to burrow into the root zone. Disturbance of the soil beneath the tree should be minimized.
 Timing of application is very important. Peak emergence of *Diaprepes* adults varies by citrus growing region and environmental factors such as soil moisture can affect citrus root emergence.

Usually two peaks occur for *Diaprepes* first in the spring then late summer or early fall. Southern blue green and Blue green citrus weevils and Fuller rose beetle usually have a single emergence peak in the spring. Brown and Little leaf notchers usually have three emergence peaks spring, summer and fall. Since emergence varies by region and season the best way to time application is observe the adults. By trapping adults when they are most active (in the morning or and late afternoon) during the spring and summer.

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Citrus cont d

emergence periods an estimation of numbers can be obtained Eggs are laid 8 to 10 weeks following the adult emergence from the soil larvae invasion into the soil will begin 2 to 3 weeks following adult emergence This product must be applied prior to the dropping of the neonates Consult local university extension personnel for current information to protect citrus trees from Citrus root weevils and other pests

Apply this product by ground equipment to bare soil beneath citrus trees This product must be uniformly applied from the trunk to the drip line of the tree apply in a minimum of 40 0 gallons of dilute spray per acre Greater spray volume should insure greater uniformity of coverage

A pre and post application irrigation may aid in the uniformity of coverage as well

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

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

If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring 32 0 fluid ounces formulated product should be used to obtain the longest residual management of *Diaprepes* root weevil

If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence 16 0 fluid ounces formulated product can be applied early season and 16 0 fluid ounces formulated product can be applied later in the season

If emergence extends beyond the residual protection of this product grower is advised to use additional management strategies (i.e. foliar adult control or soil larvae control such as nematodes) Contact your state agricultural Extension Specialist as to the recommendation suited for local conditions

CILANTRO and CORIANDER (PHI 7 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	8 48 to 11 0	0 066 to 0 086
Beet armyworm		
Cabbage looper		
Cutworm spp		
Flea beetle		
Grasshopper		
Leafhopper spp		
Leafminer		
Saltmarsh caterpillar		
Spotted cucumber beetle		
Thrips		
Whitefly		

Restrictions Preharvest Interval (PHI) 7 days

Minimum interval between applications 7 days

Maximum amount of Swagger allowed per season 33 28 ounces (0 26 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0 5 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0 13 pound active ingredient per acre

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COTTON (PHI 14 DAYS)

Pest	Use Rates			
	Fl Ozs/A	Lbs AI/A		
Bandedwinged whitefly	7.6 to 15.4	0.06 to 0.12		
Boll weevil				
Cotton aphid				
Cotton fleahopper				
Lygus spp				
Plant bugs (excludes <i>Lygus hesperus</i>)				
Southern garden leafhopper				
Stink bug spp				
Beet armyworm			10.2 to 15.4	0.08 to 0.12
Bollworm				
Cabbage looper				
Cotton leaf perforator				
Cutworm spp				
European corn borer				
Fall armyworm				
Kudzu bug				
Pink bollworm				
Saltmarsh caterpillar				
Tobacco budworm				
Thrips spp				
Whitefly				
Yellow striped armyworm				

Restrictions Preharvest Interval (PHI) 14 days

Minimum interval between applications 7 days

Maximum amount of Swagger allowed per season 79.36 ounces (0.62 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.16 pound active ingredient per acre

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

REMARKS Cotton

Application in Water Apply in a minimum of 5.0 gallons per acre with ground equipment or 1.0 gallon per acre by aircraft. When applying by air 1.0 quart of emulsified oil may be substituted for 1.0 quart of water in the finished spray

ULV Application Apply the recommended rate of Swagger in refined vegetable oil in a minimum of 1.0 quart of finished spray per acre with aircraft calibrated to give adequate coverage

To Control Boll Weevil Apply this product at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels

To Control Aphids Apply when pest first appears. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established

**FRUITING VEGETABLES Crops of Crop Group 8 including
EGGPLANT, PEPPERS (BELL & NON BELL), GROUNDCHERRY, PEPINO (PHI 7 DAYS)**

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	7.6 to 19.7	0.06 to 0.15
Leafhopper spp		
Lygus spp		
Thrips		
Armyworm spp	10.2 to 19.7	0.08 to 0.15
Artichoke plume moth		
Cabbage looper		
Colorado potato beetle		
Corn earworm		
Cucumber beetle		
Cutworms		
European corn borer		
Flea beetle		
Leafminer		
Loopers		
Pepper weevil		
Stink bug		
Tomato hornworm		
Tomato pinworm		
Whitefly		

Restrictions Preharvest Interval (PHI) 7 days
 Minimum interval between applications 7 days
 Maximum amount of Swagger allowed per season 51.2 ounces (0.4 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.20 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.24 pound active ingredient per acre

REMARKS Apply in a minimum of 2.0 gallons of finished spray per acre by air or in a minimum of 10.0 gallons per acre with ground equipment. When applying by air 1.0 to 2.0 quarts of emulsified oil may be substituted for 1.0 to 2.0 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

GRAPES (PHI 30 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Eastern grape leafhopper	7.6 to 12.8	0.06 to 0.10
Glassywinged sharpshooter		
Variegated leafhopper		
Western grape leafhopper		
Black vine weevil	10.2 to 12.8	0.08 to 0.10
Cutworm spp		
Grape berry moth		
Grapeleaf skeletonizer		
Japanese beetles (adult)		
Mealybug		

Restrictions Preharvest Interval (PHI) 30 days
 Minimum interval between applications 14 days
 Maximum amount of Swagger allowed per season 12.8 ounces (0.10 pound active ingredient per acre)
 Maximum amount of Imidacloprid allowed per season 0.10 pound active ingredient per acre
 Maximum amount of Bifenthrin allowed per season 0.10 pound active ingredient per acre

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PEANUT ¹ (PHI 14 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid	7.6 to 11.2	0.06 to 0.0875
Beet armyworm		
Corn earworm		
Cutworm spp		
Fall armyworm		
Grasshoppers		
Green cloverworm		
Kudzu bug		
Leafhoppers		
Lesser cornstalk borer		
Loopers		
Rednecked peanut worm		
Southern armyworm		
Southern corn rootworm		
Spider mites		
Stink bugs		
Threecornered alfalfa hopper		
Thrips		
Velvetbean caterpillar		
Whiteflies		
Yellowstriped armyworm		

Restrictions Preharvest Interval (PHI) 14 days
 Minimum interval between applications 14 days
 Maximum amount of Swagger allowed per season 33.3 ounces (0.26 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.13 pound active ingredient per acre

REMARKS

¹ Use not permitted in California

Apply foliar treatments in at least 10.0 gallons per acre with ground equipment at the rate of 11.2 fluid ounces (0.08 pound active ingredient) pre acre at a minimum of 14 day intervals. Do not feed green immature plants and peanut hay to livestock

13/23

SWAGGER™
EPA REG NO 34704 1045

LETTUCE (HEAD AND LEAF) (PHI 7 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Leafhopper spp Lygus spp Stink bug spp Thrips	7.6 to 12.2	0.06 to 0.095
Armyworm Cabbageworm Colorado potato beetle Corn earworm Cucumber beetle Cutworm spp Diamondback moth European corn borer Flea beetle Leafminer Loopers Pepper weevil Tomato hornworm Tomato pinworm Tobacco budworm Saltmarsh caterpillar	10.2 to 12.2	0.08 to 0.095

Restrictions Preharvest Interval (PHI) 7 days
 Minimum interval between applications 7 days
 Maximum amount of Swagger allowed per season 61.44 ounces (0.48 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.24 pound active ingredient per acre
REMARKS Apply in water as necessary for insect control using a minimum of 10.0 gallons of finished spray per acre with ground equipment and 2.0 gallons per acre by air. When applying by air 1.0 to 2.0 quarts of emulsified oil may be substituted for 1.0 to 2.0 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

HOPS (PHI 28 days)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Leafhopper spp	7.6 to 25.6	0.06 to 0.2
Armyworm spp Cutworm spp Leafrollers Looper spp Root weevil Two spotted spider mite	25.6	0.2

Restrictions Preharvest Interval (PHI) 28 Days
 Minimum interval between applications 21 Days
 Maximum amount of Swagger allowed per season 76.8 ounces (0.6 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.30 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.30 pound active ingredient per acre
REMARKS For Root weevil control Make a direct spray to the base of the plant. Spray up to 3.0 feet on the vine and 1.5 to 2.0 feet on sides of the plant. Thorough coverage is essential to achieve control.
 Including all armyworm pests except Beet armyworm

14/23

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SPINACH (PHI 40 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Leafhopper spp Lygus spp Stink bug spp Thrips	7.6 to 12.2	0.06 to 0.095
Armyworm Cabbageworm Colorado potato beetle Corn earworm Cucumber beetle Cutworm spp Diamondback moth European corn borer Flea beetle Leafminer Loopers Pepper weevil Tomato hornworm Tomato pinworm Tobacco budworm Saltmarsh caterpillar	10.2 to 12.2	0.08 to 0.095

Restrictions Preharvest Interval (PHI) 40 days

Minimum interval between applications 7 days

Maximum amount of Swagger allowed per season 61.44 ounces (0.48 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.40 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.24 pound active ingredient per acre

REMARKS Apply in water as necessary for insect control using a minimum of 10.0 gallons of finished spray per acre with ground equipment and 2.0 gallons per acre by air. When applying by air 1.0 to 2.0 quarts of emulsified oil may be substituted for 1.0 to 2.0 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

STRAWBERRY (PHI 7 days)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Armyworm spp Corn earworm Flea beetle spp Leafhopper spp Lygus spp Spittlebug Whitefly	10.2 to 12.28	0.08 to 0.096

Restrictions Preharvest Interval (PHI) 7 Days

Minimum interval between applications 5 Days

Maximum amount of Swagger allowed per season 35.84 ounces (0.28 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.14 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.14 pound active ingredient per acre

Do not apply during or within 10 days after bloom or when bees are actively foraging

REMARKS Apply in a minimum of 5.0 gallons of finished spray per acre by air or in a minimum of 5.0 gallons per acre with ground equipment. Aerial applications in Florida are prohibited. Thorough coverage is essential to achieve control. Including all armyworm pests except Beet armyworm.

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OKRA (PHI 7 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Lygus spp Stink bug spp Thrips	7.6 to 19.6	0.06 to 0.15
Armyworm Corn earworm Cucumber beetle Cutworms European corn borer Flea beetles Leafminer Loopers Japanese beetle (adult) Whitefly	10.2 to 19.6	0.08 to 0.15

Restrictions Preharvest Interval (PHI) 7 days

Minimum interval between applications 7 days

Maximum amount of Swagger allowed per season 51.2 ounces (0.4 pound active ingredient per acre)

Maximum amount of Imidacloprid allowed per season 0.24 pound active ingredient per acre

Maximum amount of Bifenthrin allowed per season 0.20 pound active ingredient per acre

REMARKS Apply using sufficient water to obtain uniform coverage. Apply as needed. Apply in a minimum of 2.0 gallons of finished spray per acre by air or in a minimum of 10.0 gallons per acre with ground equipment.

PEARS (PHI 14 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Leafhopper spp Lygus spp Stink bug spp	7.6 to 25.6	0.06 to 0.2
Codling moth Cutworm spp Green fruitworm Leafminer Leafroller Plum curculio	10.2 to 25.6	0.08 to 0.2

Restrictions Preharvest Interval (PHI) 14 days

Minimum interval between applications 30 days

Maximum amount of Swagger allowed per season 128.0 ounces (1.0 pound active ingredient per acre) as a foliar application 115.0 ounces (0.9 pound active ingredient per acre) applied after petal fall

Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre as a foliar application 0.45 pound active ingredient per acre applied after petal fall

Maximum amount of Imidacloprid allowed per season 0.5 pound active ingredient per acre as a foliar application 0.45 pound active ingredient per acre applied after petal fall

REMARKS Application by ground Apply as a dilute (minimum of 10.0 gallons of finished spray per acre)

Application by air Apply the specified dosage in a minimum of 2.0 gallons of finished spray per acre by air

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

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POTATO (PHI 21 days) (Foliar uses)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
	Foliar Application	
Aphid spp	7.6 to 12.28	0.06 to 0.1
Leafhopper spp		
Banded cucumber beetle	9.6 to 12.28	0.075 to 0.1
Colorado potato beetle		
Cucumber beetle		
European corn borer		
Grasshopper spp		
Looper spp		
Flea beetle spp		
June beetle		
Potato psyllid		
Sugarcane beetle		
Sweetpotato flea beetle		
Sweetpotato weevil		
Tuberworm		
Whitefringed beetle		
Whitefly		

Restrictions Preharvest Interval (PHI) 21 Days

Minimum interval between applications 7 Days

Maximum amount of Swagger allowed per season 51.2 ounces (0.4 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.20 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.20 pound active ingredient per acre

Maximum amount of Swagger/Foliar Application

12.28 fluid ounces per acre (0.05 pound active ingredient per acre of Bifenthrin and 0.05 pound active ingredient per acre of Imidacloprid)

Maximum amount of Swagger/Season

51.2 fluid ounces per acre (0.20 pound active ingredient per acre of Bifenthrin and 0.20 pound active ingredient per acre of Imidacloprid) Two applications are permitted per season. It is permitted to make one at plant application followed by a foliar application later in the same growing season.

REMARKS Foliar Application Apply in a minimum of 5.0 gallons per acre with ground equipment or 1.0 gallon per acre by aircraft. When applying by air 1.0 quart of emulsified oil may be substituted for 1.0 quart of water in the finished spray. Thorough coverage is essential to achieve control.

POTATO (At plant)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
	At Plant Application	
Aphid spp	32.0 to 51.2	0.25 to 0.4
Colorado potato beetle		
Flea beetle spp (adult larvae)		
Japanese beetle (larvae)		
Leafhopper spp		
Potato psyllid		
Rootworm spp		
White grub		
Wireworm		

Restrictions Preharvest Interval (PHI) 21 Days

Minimum interval between applications 7 Days

Maximum amount of Swagger allowed per season 51.2 ounces (0.4 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.20 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.20 pound active ingredient per acre

A maximum of one at plant application is permitted per season

REMARKS

At plant Application In furrow applications Apply Swagger as an in furrow spray onto the seed pieces or seed potatoes

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TUBEROUS AND CORM VEGETABLES (PHI 21 DAYS) Arracacha arrowroot artichoke Chinese artichoke Jerusalem canna edia ble, cassava, bitter and sweet, chayote (root), chufa, dasheen (taro), Ginger, Leren, Tanier, Turmeric, Bean, Yam, True yam

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	7.6 to 15.4	0.06 to 0.12
Leafhopper spp		
Banded cucumber beetle	10.2 to 15.4	0.08 to 0.12
Black flea beetle		
Colorado potato beetle		
Cucumber beetle		
Flea beetles		
June beetle		
Potato psyllid		
Sugarcane beetle		
Sweetpotato flea beetle		
Sweetpotato weevil		
Whitefringed beetle		

Restrictions Preharvest Interval (PHI) 21 days
 Minimum interval between applications 7 days
 Maximum amount of Swagger allowed per season 33.28 ounces (0.26 pound active ingredient per acre)
 Maximum amount of Bifenthrin allowed per season 0.5 pound active ingredient per acre
 Maximum amount of Imidacloprid allowed per season 0.13 pound active ingredient per acre
 Apply a Maximum of 2 applications per season
 Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a potato crop in one growing season
REMARKS Application in Water Apply in a minimum of 10.0 gallons per acre with ground equipment or 2.0 gallons per acre by aircraft. When applying by air, 1.0 quart of emulsified oil may be substituted for 1.0 quart of water in the finished spray

TREE NUTS PHI 7 DAYS (Pecan PHI 21 days)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphids (Except Black pecan aphid)	11.2 to 22.4	0.0875 to 0.175
Leafhoppers/Sharpshooters		
Phylloxera spp (leaf infestations)		
Spittlebugs		
Thrips		
Black pecan aphid	12.8	0.10
Mealybugs		
San Jose scale		

Restrictions Preharvest Interval (PHI) 7 days
 Minimum interval between applications 15 days
 Maximum amount of Swagger allowed per season 92.6 ounces (0.72 pound active ingredient per acre)
 Maximum amount of Imidacloprid allowed per season 0.36 pound active ingredient per acre
 Maximum amount of Bifenthrin allowed per season 0.50 pound active ingredient per acre
REMARKS Minimum application volume (water) 50 GPA – ground application 10 GPA – aerial application
 Do not apply during bloom or within 10 days prior to bloom or when bees are actively foraging
 Applications for control of San Jose scale should be timed according to crawler stage, treating each successive generation

LEGUME VEGETABLES

DRIED BEANS AND PEAS (PHI 14 DAYS for dried shelled peas or beans)

Include Dried cultivars of bean (*Lupinus* spp) (*Phaseolus* spp) and any one (includes grain lupin sweet lupin dried cultivar of pea (Pisum white lupin and white sweet lupin) (*Phaseolus* spp) (includes field bean kidney bean lima bean(dry) navy bean pinto bean tepary bean bean (*Vigna* spp) (includes adzuki bean blackeyed pea catjang cowpea Crowder pea moth bean mung bean rice bean southern pea, urd bean), broad bean (dry), chickpea, guar, lablab bean, lentil, pea (*Pisum* spp) (includes field pea), pigeon pea

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp	7.6 to 11.2	0.06 to 0.0875
Grasshopper		
Leafhopper spp		
Lygus spp		
Thrips (adult) (foliage feeding)		
Alfalfa caterpillar	11.2	0.0875
Armyworm spp		
Bean leaf beetle		
Cloverworm		
Corn earworm		
Corn rootworm (adult)		
Cucumber beetle		
Cutworm spp		
European corn borer		
Flee beetle spp		
Japanese beetle (adult)		
June beetle (adult)		
Kudzu bug		
Looper spp		
Mexican bean beetle		
Pea leaf weevil		
Pea weevil		
Sap beetle (adult)		
Saltmarsh caterpillar		
Silverspotted skipper		
Southern armyworm		
Threecornered alfalfa hopper		
Webworm		
Whitefly		

Restrictions Preharvest Interval (PHI) 14 Days

Minimum interval between applications 7 Days

Maximum amount of Swagger allowed per season 33.6 ounces (0.26 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.13 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.13 pound active ingredient per acre

REMARKS Apply in a minimum of 2.0 gallons of finished spray per acre by air or in a minimum of 10.0 gallons per acre with ground equipment. When applying by air 1.0 to 2.0 quarts of emulsified oil may be substituted for 1.0 to 2.0 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

Including all armyworm pests except Beet armyworm

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SUCCULENT BEANS AND PEAS (PHI 7 DAYS) Crops in the Succulent Pea and Bean group Pea (*Pisum* spp) Dwarf pea Edible pod pea English pea Garden pea Green pea Snow pea Sugar snap pea Pigeon pea Bean (*Phaseolus* spp) Broadbean (succulent) Lima bean (green) Runner bean Snap bean Wax bean Bean (*Vigna* spp) Asparagus bean Blackeyed pea Chinese longbean Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Grasshopper Leafhopper spp Lygus spp Thrips	7.6 to 11.0	0.06 to 0.086
Alfalfa caterpillar Bean leaf beetle Beet armyworm Cloverworm Corn earworm Corn rootworm (adult) Cucumber beetle Cutworm spp European corn borer Fall armyworm Flea beetle Japanese beetle (adult) Kudzu bug Looper spp Pea leaf weevil Pea weevil Sap beetle (adult) Southern armyworm Webworm Whitefly Yellowstriped armyworm	10.2 to 11.0	0.08 to 0.086

Restrictions Preharvest Interval (PHI) 7 days

Minimum interval between applications 7 days

Maximum amount of Swagger allowed per season 33.2 ounces (0.26 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.20 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.13 pound active ingredient per acre

REMARKS **Application in Water** Apply in a minimum of 5.0 gallons per acre with ground equipment or 1.0 gallon per acre by air craft. When applying by air, 1.0 quart of emulsified oil may be substituted for 1.0 quart of water in the finished spray

20/23

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SOYBEANS (PHI 18 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Alfalfa caterpillar	7.6 to 12.2	0.06 to 0.095
Aphids		
Aster leafhopper		
Bean leaf beetle		
Beet armyworm		
Cloverworm		
Corn earworm		
Corn rootworm adult		
Cucumber beetles		
Cutworms		
European corn borer		
Fall armyworm		
Flea beetle		
Grasshoppers		
Imported cabbageworm		
Japanese beetle adult		
Kudzu bug		
Leafhoppers		
Leafminer		
Loopers		
Lygus spp		
Mexican bean beetle (adult)		
Pea leaf weevil		
Pea weevil		
Plant bug		
Saltmarsh caterpillar		
Sap beetle		
Southern armyworm		
Stink bugs		
Tarnished plant bug		
Thrips		
Tobacco budworm		
Twospotted spider mite		
Webworms		
Western bean cutworm		
Whitefly		
Yellowstriped armyworm		

Restrictions Preharvest Interval (PHI) 18 days

Use not permitted in California

Apply a maximum of two applications per season

Minimum interval between applications 30 days

Maximum amount of Swagger allowed per season 24.4 ounces (0.19 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.14 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.3 pound active ingredient per acre

TOBACCO (PHI 14 DAYS)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Lygus spp Aphid spp Stink bug spp Thrips	7.6 to 12.8	0.06 to 0.10
Armyworm spp Chinch bugs Cutworm spp Flea beetle (Adults) Grasshoppers Japanese beetles Stalkborers Whiteflies	10.2 to 12.8	0.08 to 0.10

Restrictions Preharvest Interval (PHI) 14 days

Minimum interval between applications 7 days

Maximum amount of Swagger allowed per season 51.2 ounces (0.4 pound active ingredient per acre)

Maximum amount of Bifenthrin allowed per season 0.30 pound active ingredient per acre

Maximum amount of Imidacloprid allowed per season 0.28 pound active ingredient per acre

Apply a maximum of 2 applications per season

Do not apply later than layby

REMARKS Application in Water Apply in a minimum of 10.0 gallons per acre with ground equipment or 5.0 gallons per acre by aircraft. When applying by air, 1.0 quart of emulsified oil may be substituted for 1.0 quart of water in the finished spray.

TOMATO (PHI 1 DAY)

Pest	Use Rates	
	Fl Ozs/A	Lbs AI/A
Aphid spp Flea hopper Leafhopper spp Lygus spp Squash bug Stink bug spp Thrips	7.6 to 19.7	0.06 to 0.15
Armyworm spp Bean leaf beetle Cabbageworm Cloverworm Colorado potato beetle Corn earworm Corn rootworm Cucumber beetle Cutworms Diamondback moth European corn borer Flea beetle Grasshopper Japanese beetle (adult) Loopers Melonworm Pea leaf weevil Pea weevil Pepper weevil Pickworm Rindworm Saltmarsh caterpillar Sap beetle Seedpod weevil	10.2 to 19.7	0.08 to 0.15

2/23

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Tomato cont d

Restrictions Preharvest Interval (PHI) 1 day
Minimum interval between applications 10 days
Maximum amount of Swagger allowed per season 61 44 ounces (0 48 pound active ingredient per acre)
Maximum amount of Bifenthrin allowed per season 0 40 pound active ingredient per acre
Maximum amount of Imidacloprid allowed per season 0 24 pound active ingredient per acre

REMARKS

Application in Water Apply in a minimum of 10 0 gallons per acre with ground equipment or 2 0 gallons per acre by aircraft When applying by air, 1 0 quart of emulsified oil may be substituted for 1 0 quart of water in the finished spray

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store in a cool dry place and in such a manner as to prevent cross contamination with other pesticides fertilizers food and feed Store in original container and out of the reach of children preferably in a locked storage area Handle and open container in a manner as to prevent spillage If the container is leaking invert to prevent leakage If container is leaking or material spilled for any reason or cause carefully dam up spilled material to prevent runoff Refer to Precautionary Statements on label for hazards associated with the handling of this material Do not walk through spilled material Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below In spill or leak incidents keep unauthorized people away

PESTICIDE DISPOSAL Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

CONTAINER DISPOSAL Nonrefillable container Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate) After emptying and cleaning it may be allowable to temporarily hold rinsate or other pesticide related materials in the container Contact your state regulatory agency to determine allowable practices in your state Once cleaned some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling To find the nearest site contact your chemical dealer or manufacturer or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org If not recycled then puncture and dispose of in a sanitary landfill or incineration or if allowed by state and local authorities by burning If burned stay out of smoke Triple rinse or pressure rinse container (or equivalent) promptly after emptying

For packages up to 5 gallons 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 **Pressure rinse as follows** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds Drain for 10 seconds after the flow begins to drip

For packages greater than 5 gallons and less than 56 gallons Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ full with water Replace 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

Pressure rinse as follows Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds Drain for 10 seconds after the flow begins to drip

For packages greater than 56 gallons To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank Fill the container about 10 percent full with water Agitate vigorously or recirculate water with the pump for 2 minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times

For refillable containers Refill this container with pesticide only Do not reuse this container for any other purpose 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 To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank Fill the container about 10 percent full with water Agitate vigorously or recirculate water with the pump for 2 minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times

For help with any spill leak fire or exposure involving this material call day or night CHEMTREC - 1 800 424 9300

**SWAGGER™
EPA REG NO 34704 1045**

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability By buying or using this product the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability which no employee or agent of LOVELAND PRODUCTS INC or the seller is authorized to vary in any way

Follow the Directions for Use of this product carefully It is impossible to eliminate all risks inherently associated with the use of this product Crop or other plant injury ineffectiveness or other unintended consequences may result from such risks as weather or crop conditions mixture with other chemicals not specifically identified in this product's label or use of this product contrary to the label instructions all of which are beyond the control of LOVELAND PRODUCTS INC and the seller The buyer or user of this product assumes all such inherent risks

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