



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 2, 2016

Evan Parenti
Product Registration Manager
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Subject: Label Amendment – Addition of Home & Garden section, claims, label rework
Product Name: F6578 EW INSECTICIDE
EPA Registration Number: 279-3349
Application Date: 8-Feb-2016
Decision Number: 513766

Dear Mr. Parenti:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, you may contact Julie Breeden-Alemi at 703-347-0511 or via email at Breeden-Alemi.Julie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'Kable Bo Davis', enclosed within a hand-drawn oval.

Kable Bo Davis, Product Manager 3
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

F6578 EW Insecticide

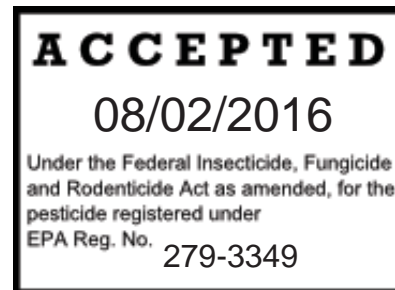
For Residential Indoor and Outdoor Uses, including Lawns, Home Perimeter, Home Vegetable Gardens, Ornamental & Flower Gardens.

[For Home Fruit & Vegetable Gardens, Ornamental & Flower Gardens, Lawns, and Perimeters][Indoors][Around the Home]]

EPA Reg. No. 279-3349

EPA Est. 279-

Active Ingredient:	By Wt.
Zeta-Cypermethrin*	0.04%
Other Ingredients:	<u>99.96%</u>
	100.00%



(* F6578 EW contains 0.003 pounds active ingredient per gallon.)

* Cis/trans ratio: Max. 75% (±) cis and min. 25% (±) trans

KEEP OUT OF REACH OF CHILDREN

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.	
NOTE TO PHYSICIAN	
Skin contact (vapor or powder) may be followed by transient tingling or numbness, usually of the face, but this subsides without treatment. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

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FMC
 FMC Corporation
 1735 Market Street
 Agricultural Products Group
 Philadelphia PA 19103

PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
[(SHAKE WELL BEFORE USING)]

[Open for Precautionary Statements, First Aid and Complete Directions for Use]

USE RESTRICTIONS

Do not treat pets with this product.

Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.

Do not allow adults, children, or pets to enter the treated area until sprays have dried.

Remove pets, birds, and cover fish aquariums before spraying.

Avoid contamination of food and feedstuffs. Remove or cover exposed food and drinking water before application.

Do not use in food handling establishments in which food is held, processed, prepared, and/or served. When used in the home, remove or cover dishes, utensils, food processing equipment, and food preparation surfaces or wash them before use.

Do not apply directly to animals.

Do not use in aircraft.

[FOR OUTDOOR USES]

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

- (1) Treatment to soil or vegetation around structures;
- (2) Applications to lawns, turf, and other vegetation;
- (3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.

Do not water the treated area to the point of run-off.

Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.

[If you have a medical emergency, need consultation on diagnosis, therapy and analysis please call (800) 420-9347]

[If you have questions relating to product use or application, please call (866) 945-5033]

[If you have a product spill or transportation emergency call (800) 424-9300]

[For Consumer Refund: TechPac, LLC PO Box 95437 Palatine, IL 60095-0437]

IMPORTANT – Directions for Storage and Disposal

Storage	Keep from freezing. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place, preferably in a locked storage area and avoid excess heat. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into drink containers.
Pesticide Disposal and Container Handling	Nonrefillable container. Do not reuse or refill this container. If empty: place in trash or offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Dealers Must Sell in Original Packages Only.

Conditions 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. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC 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 FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. EXCEPT AS WARRANTED BY THIS LABEL, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT

TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent consistent with applicable law FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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I. Optional Marketing Claims

[alternate language]
{optional language}

RTU General

Ready to Use
New and Improved Formula (six month claim)
{Patented} Comfort Grip™ Battery Operated [Powered] Sprayer
Batteries Included
Convenient Ready to use liquid spray
Simply point & spray
{No Measuring} No Mixing, No Pumping. {And Best of all} No {More} Hand Fatigue.
Re-usable Sprayer
Refillable Container
Refill Concentrate Included – Makes 1 gallon Ready-to-Use Solution.
Kills Ants Outside, So They Can't Come Inside!
Kills Carpenter Ants and other listed {ant} species {by Contact!}
Keeps Killing Ants {for} up to [3][6][9] months {indoors}
Provides up to [3] months [ant][roach] Control {indoors}

Kills by Contact
Kills listed Home Invading Insects [pests] [ants]
Advanced Killing Action
Non-Staining
Treats up to 1,000 linear feet
Treats the [an] average home [3][4][5] 6 [x] times

Plus it's incredibly easy to apply thanks to its patented comfort grip battery operated [powered] sprayer. Simply point and spray — NO Mixing, NO Pumping and Best of All NO Hand fatigue. [when packaged accordingly]

{KILLS: Ants, Roaches, Spiders and Other Home Invading Pests as listed.}

{USE: Indoors as a spot treatment and outdoors as a perimeter treatment to prevent future infestations}

Insect Killer
Powered by Zeta {Zeta-C}! [Next generation in insect control]
Formula {insecticide} provides [same day] control
Kills by Contact. Starts acting within Minutes*. *except ticks
Visible activity within Minutes*. *except ticks
Works in Minutes*. *except fleas, ticks, and mosquitoes
Advanced Killing Action starts within minutes*. *except ticks
Kills [insert listed insect] fast!*. *except fleas, ticks, and mosquitoes
[NOW] kills over [XXX] insects!* *as listed
Fast Acting!*. *except fleas, ticks, and mosquitoes
Visible results [in minutes]
Kills by contact

Up to [XX] Month Control of [listed insect]! {NOTE the listed insect may not be fleas, ticks, or mosquitoes}
Kills fast and [lasts][protects] up to[4] [6] [8] weeks [2] [3] [months]*. *except fleas, ticks, and mosquitoes
Keeps protecting up to [4] [6] [8] weeks [2] [3] [months]*. *except fleas, ticks, and mosquitoes
One application – up to[4] [6] [8] weeks [2] [3] [months]* control. *except fleas, ticks, and mosquitoes
Kills by Contact [and keeps killing {protecting}] {up to} [4] [6] [8] weeks [2] [3] [months]*. *except fleas, ticks, and mosquitoes
Lasts {up to} [4] [6] [8] weeks [2] [3] [months]*. *except fleas, ticks, and mosquitoes
Up to [4] [6] [8] weeks [2] [3] month control {protection}* . *except fleas, ticks, and mosquitoes

Got [insert listed pest], use [insert Brand Name here][!]
Got [household][insert listed pest], use [insert Brand Name here][!]

Kills over XXX listed common household insects [bugs]
Kills [over XXX] [annoying][damaging] listed insects [fast] [and prevents new infestations] [for up to] [4] [6][8] weeks [2] [3] [months]*. *except fleas, ticks, and mosquitoes
Kills [annoying][damaging] listed insects [and prevents new infestations*] *except fleas, ticks, and mosquitoes {NOTE: if bracketed portion is not used, the exclusion is not needed}
Kills listed common household [ants][roaches][insects][bugs]
Kills Ants, Roaches, Spiders and Other Home Invading Pests as listed
Kills Carpenter Ants and other listed [ant][roaches][insect][bug] species {by Contact!}
Kills by contact and keeps killing up to 3 months* *except fleas, ticks, and mosquitoes
Kills stink bugs
[Kills] Controls hard to kill [tough] [insects] [pests] [plus fire ants] as listed
Kills blacklegged and brown dog ticks, mosquitoes and other listed invading [pests][insects]
Kills blacklegged and brown dog ticks and mosquitoes

Kill [annoying] [damaging] [insects*] [pests*] and reclaim your [lawn][home] today! *as listed

Kills blacklegged ticks that may transmit Lyme Disease and brown dog ticks.
Kills mosquitoes [including mosquitoes] that may transmit [West Nile Virus] [Zika Virus] and [Chikungunya Virus]

Kills [insert listed insect] {NOTE: listed insect may not be "ticks"}
Kills [insert listed insect] and other listed pests [insects] {NOTE: listed insect may not be "ticks"}

Kills [ants] [beetles] [chinch bugs] and other listed pests [insects] {NOTE: listed insect may not be "ticks"}

Indoor

Keeps Killing Ants {for} up to [3][6][9] months {indoors}
Provides up to [3] months [ant][roach] Control {indoors}

Reclaim your home [indoors][today] from [annoying][destroying][ants][roaches][insects*][bugs*][!] *as listed
Kills listed Home Invading Insects [pests] [ants]

Keeps Bugs Out!
Up to 12 Month Control Indoors* **

[*Listed Insects]
**except ticks

F6578 EW RTU is a convenient [liquid] spray that protects your home from listed invading insects — kills ants by contact and keeps killing [ants][inside] for up to [3][6][9] months.

{KILLS: Ants, Roaches, Spiders and Other Home Invading Pests as listed.}
{USE: Indoors as a spot treatment}

Outdoor

Can be used as an outdoor barrier treatment* *except fleas, ticks, and mosquitoes
Kills [insert listed insect] outside so they can't come inside!
For outdoor use

Protects your lawn for up to [XX] months!* *except fleas, ticks, and mosquitoes
Use on [lawns] [and gardens] [Outdoor Surfaces][plants] [vegetables][fruit][flowers][trees] [Shrubs]

[Home Perimeter][Lawns][shrubs][ornamentals][decks][home siding][patio][driveway][ornamentals]

Tough on [insert listed insects], gentle on [your] lawn* [or garden] [plants] [shrubs] [vegetables] [fruits] [edibles] [flowers][trees][ornamentals][home][concrete surfaces] [brick] [patio] [wood] [siding] [deck] *when used as directed

Won't harm [your] lawn* [or garden] [plants] [shrubs] [vegetables] [fruits] [edibles] [flowers][trees][ornamentals][home][concrete surfaces][brick][patio][wood][siding][deck] *when used as directed

Kills lawn [and garden] [invading] pests {insects} [including] [ants] [aphids] [armyworms] [beetles] [cutworms] [fruit flies] [Japanese beetles] [chinch bugs] [caterpillars] [sod worms] [squash bugs] [white flies] and other listed pests {insects}

Kills [ants] [beetles] [Japanese beetles] [chinch bugs] [caterpillars] [sod worms] [white flies] and other listed pests {insects}

Control {Kills} lawn {invading} damaging insects {pests}[plus fire ants] as listed

Protects lawn from common pests {insects} as listed
Stops {prevents} lawn damage [from insects {pests}] as listed
[simple] [easy] one [step] [application] lawn protection
Kills listed nuisance pests outdoors [and on your lawn] [before they can come inside]

Reclaim your lawn [outdoors] [garden] [today] from [annoying] [damaging] [insects*] [bugs*] [pests*]
*as listed

Kill [annoying] [damaging] listed [insects] [pests] and reclaim your lawn [garden] [today!]
Don't let insects* {bugs*} feed on your lawn another day. *as listed

Kills Fire Ants by Contact. [and keeps killing for [4] weeks].
Kills colony in 24 hrs. Starts killing Fire Ants Immediately.

Kills [a wide range of listed crawling and flying] listed wood-infesting pests
Protects your home, deck and other wood structures from listed wood-destroying insects
Kills listed Wood-Destroying Insects [by Contact]
Home foundation treatment
Kills termites, carpenter ants, carpenter bees, wood boring beetles and more*

*listed insects

Kills listed wood-destroying insects outside, so they can't come inside
Kills listed termites & carpenter ants outside, so they can't come inside

Treat for [Lawns][Home Perimeter Treatment][Outdoor Surfaces][shrubs][ornamentals][decks][home siding][patio][driveway]

Kills [listed pests] outside, so they can't come inside

Kills [damaging][harmful] [listed pests] [fast*]. *except fleas, ticks, and mosquitoes

Kills [damaging][harmful] [listed pests]

Protect your home from listed [wood destroying insects][termites & carpenter ants]

Protects edibles from insect damage

Keeps protecting up to [2 weeks] [one day] before harvest*

Will not harm plants* [or blooms*] *when used as directed

[Developed] for use on edibles [and flowers]

[Specially] formulated for [use on more than 100 types of] fruits and vegetables

Kills Japanese Beetles, Aphids, hornworms and other listed pests [up to one day before harvest*]

*for listed fruit and vegetable plants

Specially formulated for use on more than 100 types of fruits and vegetables

Reclaim your lawn [garden] [outdoors] [today] from listed [annoying] [damaging] [insects] [bugs] [pests]

Kill listed [annoying] [damaging] [insects] [pests] and reclaim your lawn [garden] [today!]

Don't let insects {bugs} feed on your lawn [garden] another day.

Reclaim your garden!

Use until one day before harvest

Tough on [listed insect], gentle on [shrubs*] [vegetables*] [gardens*] *when used as directed

Home and Garden Claims

General

Trusted Brand since [insert year]

Established Brand since [insert year]

Est. [insert year]

Trusted brand for over 50 years

[For][Use][On] vegetables, fruits & ornamentals

For ornamental insects* *as listed

For outdoor residential use only

Home & Garden insecticide

Use for lawns

[Now][Also] for use on [lawns][listed sites][nut trees][herbs]

Broad spectrum insect control

Protect your backyard from listed [nuisance] pests

Free your backyard from listed pests [today]

Protect your container garden from [listed pests][insert listed pest]

Protect your [roses][flowers] from listed [damaging][harmful] pests.

Not harmful to grasses* *when used as directed

Won't harm [your] [plants*,] [blooms*,] [or] [lawn*] *when used as directed

Kills [insert listed pests]

Kills listed chewing and sucking [insects][bugs]

Kills listed Leaf Eating [Insects][Bugs]

100% Guarantee

Non-penetrating
Non-systemic

Kills Japanese Beetles

Kills over XXX listed Insect Pests:

XX Different insects on Vegetable Crops

XX Different Insects on Fruit Crops

XX Different Insects on Trees, Ornamentals, Shrubs, Flowers

XX different Insects Around the outside of Homes

Got [insert listed pest here]? Get [insert brand name]!

Bug Killer

Edibles

[Now] Protects over XXX listed fruits and vegetables

[Now] Protects over XXX listed fruits and vegetables

For use on [vegetables][fruits][nut trees][herbs]

Protects [your] fruits and vegetables [from][against] listed insects

Protects lawns, flowers, trees, and shrubs against listed insects

Tough on [insert listed pest], gentle* on [insert listed site] *when used as directed

Kills over XXX listed pests

Provides same day control

Protects your lawn and garden for up to 3 months* *except fleas, ticks, and mosquitoes

Kills [vegetable] [fruit] insects by contact

Reclaim your [lawn] [garden] [yard] [backyard] [today]

For use [on] [vegetables] [fruits] [in gardens]

Ideal for [outdoor] container gardening

Great for [veggie][vegetable][fruit][and][herb]gardens

For listed vegetable insects

Keeping your vegetable garden and lawn free of listed pests has never been easier

Can be used up to 1 day before harvesting for [tomatoes] [peppers] [bell peppers] [carrots]

[cucumbers] [squash] [blackberries]

Protect your [garden][insert labeled site][veggies][listed vegetable][listed fruit][listed edible] with [insert brand name]!

Growing [insert listed site]? Protect them [from] [insert listed pest] with [insert brand name]!

Grow your own [fruits] [and] [vegetables] – protect them with [insert brand name]!

Protect your [insert listed site] with [insert brand name]!

General & Directions

[Bug Killer]

Hate The Bugs. Love The Garden. Get [insert brand name]!

Got [insert listed pest here]? Get [insert brand name]!

Kills over [XXX][500] insects!

People and pets can only [return to] the lawn once product has been watered in and allowed to dry.

People and pets can only [return to] the lawn once product [is dry] [has dried].

People and pets must wait until product has been watered in and allowed to dry before [returning to] the lawn

People and pets must wait until the product [is dry] [has dried] before [returning to] to the lawn

Wait until product [is dry] [has dried] before returning to the lawn

Allow product to dry completely before people and pets [return to] the lawn

Ease of Use

Easy to use
Easy to Apply
Water based Formula.
Guaranteed results[*] [*]or your money back
Guaranteed to work[*] [*]or your money back
[No][Low] odor
Odorless
[Non-staining][No odor][Odorless]formula
Non-staining
Shake Well and Spray
Pump and Spray
Peel Sticker to Access Spray Wand

Comfort Grip™ Sprayer

[When Packaged Accordingly:]

Prepare Comfort Grip™ Battery Operated [Powered] Sprayer

1. Remove sprayer from holster and remove battery tab
2. Remove red plug and pull cord out all the way
3. Remove tab from flip top of cap
4. Open and insert red plug into cap opening
5. Turn sprayer nozzle to desired spray pattern and follow directions for use.

{To replace batteries:

1. Push release button on sprayer and open battery compartment door.
2. Promptly remove used batteries and replace with two new AA batteries
3. Insert new batteries following the “+” and “-“ markings according to the polarity directions shown inside.
4. Do not recharge, heat or dispose of batteries in fire.
5. Keep batteries out of reach of children.

Always follow manufacturer’s recommendations for use and disposal of batteries. Remove batteries from sprayer before storing or when not using for extended periods of time.}

Conventional Pump Trigger Sprayer:

General Information: [Turn sprayer nozzle to “on” position [desired spray pattern].] Squeeze trigger to spray until surface is slightly moist but not to the point of runoff. Over application may cause damage. Test in an inconspicuous area before applying.

II. Home & Garden Section

[Optional Back Panel claims statement(s)]:

Quick [Reference Table][Facts]

Product Facts	[Insert Claim(s) from Section I – Optional Marketing Claims] [Read the label before applying!] This product is [ready] [to use] [and] [easy] to use Simply shake [well] and spray
Where to Use	{Icons may be used for any of the below} Fruit and Vegetable Gardens, Ornamental Plants and Shrubs, Flowers and Ground Covers, Lawns, Around Structures, Indoors
Fruits & Vegetables	{Icons may be used for any of the below} [Insert fruits & vegetables from below table]
Kills	{Icons may be used for any of the below} Adelgids, armyworms, ants, aphids, bagworms, bark beetles, billbugs, Blacklegged and Brown dog ticks, boxelder bugs, cabbage worms, caterpillars, cicadas, cockroaches, crickets, cutworms, elm leaf beetles, fleas, grasshoppers, Japanese beetles, lace bugs, leafhoppers, leafminers, mealy bugs, millipedes, moths, pillbugs, pine shoot beetles, plant bugs, potato beetles, psyllids, scales, sowbugs, spiders, spittlebugs, springtails, tent caterpillars, tomato hornworms, treehoppers, vine weevils, webworms, weevils [Or insert listed pest from Section VI table] And other listed lawn & garden [pests] [insects] [bugs]
[How to Use]	[F6578 EW is a ready-to-use liquid that can be sprayed directly onto pests (insects) [and/or][,] on to surfaces to provide longer control][,][or as a crack and crevice [and][or] spot treatment] [For Indoor Crack and Crevice and Spot Treatment: Spray for listed pests. Spray edges and cracks and crevices where insects may be. Directly spot treat listed pests when they are seen. Do not spray to point of runoff.]

{Note: paragraph format may be used in lieu of table format}

HOW TO USE	<p>NOTE: do <u>not</u> use Power Sprayer with any other type of product or container.</p> <p>{OPTION 1}</p> <ol style="list-style-type: none"> 1) Adjust sprayer to "On" position. [Select stream setting for direct spray pattern or spray setting to treat wider areas.] 2) Spray until surface is wet. <p>{OPTION 2}</p> <ol style="list-style-type: none"> 1) [Push][Detach][Remove] sprayer from bottle. 2) Remove sticker from cap [of bottle]. 3) Open tab on [bottle] cap and discard [tab].
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- 4) Firmly insert black hose top into cap of bottle.
- 5) Adjust sprayer to "On" position. [Select stream setting for direct spray pattern or spray setting to treat wider areas.
- 6) Spray until surface is wet

{OPTION 3}

- 1) Prepare Sprayer: Remove pump from carrier clip and peel off sticker. Pull wand from storage compartment. Check to make sure control valve is set to ["OFF"]["X"] before releasing hose from cap.
- 2) To unlock pump, turn handle until it releases. Prime the sprayer by pumping it up to 20 times or until sprayer is fully primed. After sprayer is fully primed, lock pump handle by pressing and returning to locked position.
- 3) Calibrate Sprayer: Choose appropriate spray setting (use a stream-type spray for direct application to pests or smaller areas. Use a fan-type spray for treating larger areas).
- 4) Point away from body. Squeeze trigger to begin spraying (pump may need a few squeezes to prime).

{OPTION 4}

- 1) Attach sprayer to bottle: remove the [Power] Sprayer and hose from carrier. Remove bottle cap and replace with cap attached to [Power] Sprayer.
- 2) Calibrate Sprayer: Choose appropriate spray setting (use a stream-type spray for direct application to pests or smaller areas. Use a fan-type spray for treating larger areas).

NOTE: do not turn past "X".

- 3) Push safety switch to "ON"
- 4) Point away from body. Squeeze trigger to begin spraying (pump may need a few squeezes to prime).
- 5) When finished, push safety switch to "LOCK" and switch nozzle to ["OFF"]["X"]. Replace [Power] Sprayer in carrier before storing.

{OPTION 5}

- 1) Attach [Power] Sprayer to bottle: Detach [Power] Sprayer and remove pull tab from battery housing. Fully unwind hose and extend away from bottom of sprayer, then open the flip-cap on the bottle. Insert hose end into the [opening][plug] until you hear it snap into place.
- 2) Calibrate Sprayer: Choose appropriate spray setting (use a stream-type spray for direct application to pests or smaller areas. Use a fan-type spray for treating larger areas).

NOTE: do not turn past "X".

- 3) Push safety switch to "ON"

	<p>4) Point away from body. Squeeze trigger to begin spraying (pump may need a few squeezes to prime).</p> <p>5) When finished, push safety switch to “LOCK” and switch nozzle to [“OFF”][“X”]. Do not remove hose from plug. Replace [Power] Sprayer in carrier before storing.</p>
<p>[APPLICATION INSTRUCTIONS]</p>	<p>{Note: this section is optional based on instructions included in “HOW TO APPLY” above}</p> <ul style="list-style-type: none"> • Shake well before use • Apply where insects are expected to appear or when insects or damage are seen. Repeat as necessary according to site-specific directions listed below. • Apply in calm weather. • Begin spraying at the farthest point of the treatment area and work backward to avoid contact with wet treated surfaces. • Spray thoroughly to wet plant surfaces up to the point of runoff. • Sprays must be dry in treated areas before people or pets re-enter. • Do not apply to trees taller than 10 feet. Consider hiring a licensed professional. <p>For best results:</p> <ul style="list-style-type: none"> • Hold sprayer 8 to 12 inches from the area to be treated. • Begin spraying at farthest point in target area and work backwards to avoid contact with spray. • Spray target area thoroughly and up to the point of runoff. On leafier plants, be sure to wet both upper and lower leaf surfaces, stems, and branches. <p>Precautions:</p> <ul style="list-style-type: none"> • [Avoid applications in excessive heat as temporary leaf burn may occur.] • Do not use on trees taller than 10 feet - consider hiring a licensed professional. <p>[Use this product as a spot or crack and crevice treatment to localized areas where pests are seen or suspected only. Spot treat surfaces until visibly wet. Apply to listed pests directly, whenever possible.]</p>

GARDEN VEGETABLES

In the table below, the Pre-Harvest Interval (PHI) refers to the minimum number of days that must pass between the date of the last application and the date of harvest. Reapply if insects return, but not more than once every seven days and according to PHI [pre-harvest interval].

Vegetables {Icons may be used for any of the below}	PHI (Days)
<p>[Brassica vegetables:] [Broccoli, Chinese Broccoli (gai lon, white flowering broccoli), Brussels Sprouts, Cauliflower, Cavalo broccolo, Kohlrabi, Cabbage, Chinese Cabbage (napa), Chinese Mustard Cabbage (gai choy), Broccoli Raab (rapini), Chinese cabbage (bok choy), Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, Turnip Greens]</p>	1 Day
<p>Corn (sweet)</p>	3 Days
<p>[Cucurbit vegetables:] [Chayote (fruit), Chinese Waxgourd (Chinese Preserving Melon), Citron Melon, Cucumber, Gherkin, Gourd (edible (including hyotan, cucuzza, hechima, Chinese okra), <i>Mormordica</i> spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin, Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Winter Squash (includes butternut squash, calabaza, hubbard squash, acorn squash, and spaghetti squash), Watermelon (includes hybrids and varieties)]</p>	1 Day
<p>[Legume Vegetables - Succulent Edible-Podded Peas, Succulent Shelled Peas and Dried Shelled Peas:] [Dwarf Pea, Edible-pod Pea, Snow Pea, Sugar Snap Pea, Pigeon pea, English Pea, Garden Pea, Green Pea, Lentil]</p>	1 Day (Succulent) 21 Days (Dried)
<p>[Legume Vegetables - Succulent Edible-Podded Beans, Succulent Shelled Beans, and Dried Shelled Beans:] [Runner Bean, Snap Bean, Wax Bean, Asparagus Bean, Chinese Longbean, Moth Bean, Yardlong Bean, Jackbean, Soybean (immature seed), Swordbean, Lima Bean, Broad Bean (Fava Bean), Blackeyed Pea, Southern Pea, Grain Lupin, Sweet Lupin, White Lupin, White Sweet Lupin, Field Bean, Kidney Bean, Navy Bean, Pinto Bean, Tepary Bean, Adzuki Bean, Catjang, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Urd Bean, Chickpea (Garbanzo Bean), Guar, Lablab bean]</p>	1 Day (Succulent) 21 Days (Dried)
<p>[Fruiting vegetables:] [Eggplant, groundcherry (<i>Physalis</i> spp.), okra, pepino (Melon pear), pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, tomato]</p>	1 Day
<p>[Leafy vegetables:] [Amaranth (leafy amaranth, Chinese spinach, tampala); Arugula (Roquette), Cardoon, Celery, Chinese Celery, Celtuce, Chervil, Chrysanthemum (edible-leaved and garland), Cilantro (not for use on cilantro grown for seed or coriander), Corn salad, Cress (Garden, Upland (yellow rocket, winter cress)), Dandelion, Dock (sorrel), Endive (escarole), Fennel/Florence (finochio), Garden Cress, Lettuce (head and leaf), Orach, Parsley, Purslane (garden), Purslane (winter), Radicchio (red chicory), Rhubarb, Spinach (including New Zealand and vine, Malabar spinach, Indian spinach), Swiss chard]</p>	1 Day

Peanuts	7 Days
[Root and Tuber vegetables (except sugar beets):] [Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Garden Beet, Edible Burdock, Edible Canna, Carrot, Cassava (Bitter and Sweet), Celeriac (Celery Root), Chayote (Root), Turnip-Rooted Chervil, Chicory, Chufa, Dasheen (Taro), Ginger, Ginseng, Horseradish, Leren, Turnip-Rooted Parsley, Parsnip, Potato, Oriental Radish (Daikon), Radish, Rutabaga, Salsify (Oyster Plant), Black Salsify, Spanish Salsify, Skirret, Sweet Potato, Tanier (Cocoyam), Turmeric, Turnip, Yam Bean, Yam (True)]	1 Day
[Sunflowers:] [Castor Oil Plant, Chinese Tallowtree, Euphorbia, Evening Primrose, Jojoba, Niger Seed, Rose Hip, Stokes Aster, Tallowwood, Tea Oil Plant, and Vernonia]	30 Days

BERRIES, FRUITS, AND NUTS

Use F6578 EW RTU as a spot treatment for pest infestations on the berries, fruits and nuts listed below. Apply to upper and lower leaves, around fruit clusters, and on branches and trunks up to the point of runoff. Reapply if insects return, but not more than once every seven days and according to PHI [pre-harvest interval].

BERRIES, FRUITS, AND NUTS {Icons may be used for any of the below}	PHI (Days)
[Berries Crop Group including:] [Blackberry, loganberry, red and black raspberry, blueberry, highbush and lowbush, currant, elderberry, gooseberry, huckleberry, cultivars and/or hybrids of these]	1 Day
Grapes	1 Day
[Pome Fruit Group including:] [Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental Pear, and Quince.]	14 Days
[Stone Fruit Group including:] [Apricot, Cherry (Sweet and Tart), Nectarine, Peach, Plum (including Chickasaw Plum, Damson Plum, and Japanese Plum), Plumcot, Prune (fresh).]	14 Days
[Tree Nuts Group including:] [Almond, beech nut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert (hazelnut), hickory nut, macadamia nut, pecan, pistachio, walnut (black and English)]	7 Days
[Tropical Fruits including:] [Avocado, Black Sapote, Canistel, Mamey Sapote, Mango, Papaya, Sapodilla, Star Apple]	1 Day

ORNAMENTAL TREES, SHRUBS, FLOWERS, AND GROUND COVERS

Use F6578 EW RTU as a spot treatment for pest infestations on ornamental trees, shrubs, flowers and ground covers. Spray up to the point of run-off making sure to cover all sides of leaves and trunk. For ground covers, bedding plants, foliage, annuals and perennials, apply as a uniform spray. Reapply if pests return but repeat applications should be limited to no more than once per seven days.

Certain plants may be sensitive to the final spray solution. A limited area should be treated and observed for one week prior to application to the entire planting.

OUTDOOR PERIMETER TREATMENTS

Apply to the point of run-off as a residual spray to vegetation such as bushes and trees around buildings and other structures. For ants, apply to any trails, around doors and windows and other places where ants may be found. [To prevent pests from entering buildings, apply to a band of soil and vegetation 5 to 10 feet wide around and adjacent to the building.] [Also treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance.] The surface to be treated should be dry at the time of application.

LAWNS

Apply F6578 EW RTU as a spot treatment [to] [lawns] [and] [turfgrass]. For best results, apply after mowing (lawn should not be longer than 3 inches at the time of application). Repeat application is necessary only if there are signs of renewed insect activity.

INDOORS

Use to kill and control listed pests commonly found indoors or that may enter from outdoor areas. Apply F6578 EW RTU as a spot treatment [to control listed insects] [to insects directly or spray] [lightly around doors, windows and other places where insects may be found or enter premises]. Spray pests directly or apply to localized areas where insects hide, such as baseboards, cracks and crevices, pantry areas, closets, around water pipes, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers, carports, garages, and storage sheds. Use only in well ventilated areas and do not use as a space spray.

{Note the following section is optional. Table format may be used in lieu of bulleted list:}

- For ants: apply to any trails, around doors and windows and other places where ants may be found. This product will provide up to 9 months residual control (of ants).
- For listed flying insects: Apply directly to localized areas of walls, ceilings, window screens, and other fly resting areas as a residual surface treatment.
- To Kill Cockroaches, Crickets, Firebrats, Silverfish, Springtails Indoors: Spray localized areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices.
- To Kill Boxelder Bugs, Earwigs, Elm Leaf Beetles, Ground Beetles, Millipedes, Pillbugs and Sowbugs Indoors: Spray localized areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices.
- To Kill Flies Indoors: Apply around doors and windows and other places where these pests may be found or where they may enter premises. Spray localized areas of baseboards, storage areas and other locations.
- To Kill Blacklegged ticks that may transmit Lyme disease and Brown dog ticks Indoors: Spot treat localized areas of floors pets may frequent such as pet resting areas. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet area.
- Treatment of Wood-in-Place to Kill Exposed Stages of Wood-Infesting Insects: For the control of insects such as Termites, Ants and Carpenter Ants in localized areas of infested wood in and around structures, apply to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Not intended to replace structural treatments.
- To Kill Insects in Greenhouse and Indoor Plants: Spray leaves of infested indoor plants. Some plants may be sensitive to the spray, so first test a small area.

III. Multi-Use Section

Option 1

Summary Back Panel

<p>Kills</p>	<p>Ants: acrobat ants, argentine ants, bigheaded ants, carpenter ants, cornfield ants, crazy ants, field ants, ghost ants, false honey ants, little black ants, odorous house ants, pavement ants, pyramid ants, thief ants, and velvety tree ants</p> <p>Common Crawling Pests: [beetles], [cockroaches], [crickets], [firebrats], [flies], [pantry pests], [silverfish], [sowbugs], [spiders]</p> <p>{Flying Insects} as listed: [flies], [bees], [wasps], [and yellow jackets]</p> <p>{Wood Damaging Insects: carpenter Ant, carpenter Bees and termites. (Kills exposed insects. Not intended to replace structural treatments) }</p>
<p>Before Use:</p> <ul style="list-style-type: none"> • Cover all exposed food and cooking utensils • Cover all food handling surfaces or wash thoroughly after treatment. • [Connect sprayer if required, turn sprayer nozzle to desired spray pattern and follow directions for how to use below.] 	
<p>How to Use – Outdoors</p>	
<p>As a Perimeter Treatment</p> <p>NOTE: The application of this product to vinyl and aluminum siding (particularly lightly colored, aged, weathered or otherwise damaged) may result in staining, bleaching or discoloration. Factors such as extreme heat and direct sunlight can promote damage. Before applying this product to vinyl or aluminum siding, treat a small area and evaluate 30 minutes later to allow any potential staining to occur. Regardless of the test results, do not apply to vinyl or aluminum siding while exposed to direct sunlight or during the heat of the day.</p>	<ul style="list-style-type: none"> • Apply early in the season or when insects appear. • Apply in a band {5 to 10 ft.} wide around the outside perimeter of the building. Also treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Thoroughly and uniformly wet the band area. • Concentrate treatment at visible ant trails as well as cracks or crevices where ants may enter the structure • The surface to be treated should be dry at the time of application
<p>{Carpenter Ants}</p>	<ul style="list-style-type: none"> • {Apply as a perimeter treatment as described above} • {For best results locate and treat ant nests.} • {Do NOT treat firewood}
<p>{Flying Insects} as listed</p>	<ul style="list-style-type: none"> • {Apply to nests should be made late in the evening when insects are at rest.}

How to Use – Indoors	
Use to kill and control listed pests commonly found indoors or that may enter from outdoor areas.	<ul style="list-style-type: none"> • Use as a spot treatment – Spray insects directly or spray lightly around doors, windows and other places where insects may be found or enter premises. • Spray localized areas where insects hide, such as baseboards, cracks and crevices, pantry areas, closets, around water pipes, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers, carports, garages, and storage sheds.
Ants	<ul style="list-style-type: none"> • Apply to any trails, around doors and windows and other places where ants may be found.
{Flying insects} as listed	<ul style="list-style-type: none"> • {Apply directly to localized areas of walls, ceilings, window screens, and other fly resting areas as a residual surface treatment. }
{Wood Damaging Insects} Kills exposed Stages	<ul style="list-style-type: none"> • {For the control of insects such as Termites, Ants and Carpenter Ants in localized areas of infested wood in and around structures, apply to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Not intended to replace structural treatments } • For Termites - For Localized control only. Not recommended as sole protection against termites. Such applications are not a substitute for mechanical alterations, soil or foundation treatment but merely as a supplement. For active infestation, get a professional inspection.}

(end of Option 1)

Option 2

Summary Table

Where to Use	Trees and shrubs Roses and flowers Outside surfaces of buildings Indoors
Kills	<p>Ants (including fire ants, crazy ants & tawny crazy ants) Gypsy moth, bagworm, budworm & leafroller, armyworms, cutworms, fall webworm, sod webworm, tent caterpillar, leafminer Blacklegged and Brown dog ticks Fleas Millipedes Mosquitoes Spiders Scorpions Springtails Silverfish, firebrats Grasshoppers, crickets, mole cricket Earwigs Cockroaches Chinch bug, boxelder bug, plant bug, lace bug Leafhoppers, spittlebugs, psyllids, whitefly, aphids, cicadas, scales, mealybug, adelgids, treehoppers Thrips Weevils & billbugs, ground beetles, (Japanese beetle, pillbug, sowbug, black turf Ataenius, bark beetle & pine shoot beetle), borers, elm leaf beetle Wasps & yellow jackets, bees, carpenter bees Flies (Including House flies) This product controls acrobat ants, Argentine ants, bigheaded ants, carpenter ants, cornfield ants, crazy ants, field ants, ghost ants, false honey ants, little black ants, odorous house ants, pavement ants, pyramid ants, thief ants, and velvety tree ants</p>
When to Use	<p>To Treat ornamental shrubs, trees and flowers: When insects or damage first appear When using as-perimeter treatment: Early in season or when insects appear For Spot Insect Control, including Indoor Uses: Anytime Insects are active To control insects on vegetables and fruits: When insects or damage first appear To control insects on roses, flowers and ornamentals: When insects or damage first appear</p>
How to Use	<p>For perimeter treatments: Apply to surfaces to full wetness, creating a band. For Indoor spot treatment: Spray insect (pest) directly or spray until wet edges and crevices where insects (pests) may be. For Ornamental Shrubs, Trees and Flowers: fully spray foliage and stems until wet</p>

[Mixing Instructions - How Much to Use]	[F6578 EW is a ready-to-use liquid that can be sprayed directly onto pests (insects) and/or on to surfaces to provide longer control]
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How to Use – Indoors	
Use to kill and control listed pests commonly found indoors or that may enter from outdoor areas.	<p>F6578 EW may be used as a general spot, crack and crevice treatment. All areas where insects inhabit or through which insects may enter should be treated.</p> <ul style="list-style-type: none"> • Spray directly to pest and to areas where pests are found or hide. • Use only in well ventilated areas and do not use as a space spray.
To Kill Cockroaches, Crickets, Firebrats, Silverfish, Scorpions, Springtails Indoors	<ul style="list-style-type: none"> • Spray localized areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices.
To Kill Ants Indoors	<ul style="list-style-type: none"> • Apply to any trails, around doors and windows and other places where ants may be found. This product will provide up to 9 months residual control (of ants).
To Kill Boxelder Bugs, Earwigs, Elm Leaf Beetles, Ground Beetles, Millipedes, Pillbugs, Sowbugs and Spiders Indoors	<ul style="list-style-type: none"> • Apply around doors and windows and other places where these pests may be found or where they may enter premises. • Spray localized areas of baseboards, storage areas and other locations.
To Kill Flies Indoors	<ul style="list-style-type: none"> • Apply directly to localized areas of walls, ceilings, window screens, and other fly resting areas as a residual surface treatment. • May also be used inside as well as around carports, garages, and storage sheds.
To Kill Blacklegged ticks that may transmit Lyme disease and Brown dog ticks Indoors	<ul style="list-style-type: none"> • Spot treat localized areas of floors pets may frequent such as pet resting areas. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet area.

Treatment of Wood-in-Place to Kill Exposed Stages of Wood-Infesting Insects	<ul style="list-style-type: none"> • For the control of insects such as Termites, Ants and Carpenter Ants in localized areas of infested wood in and around structures, apply to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Not intended to replace structural treatments.
To Kill Insects in Greenhouse and Indoor Plants	<ul style="list-style-type: none"> • Spray leaves of infested indoor plants. • Some plants may be sensitive to the spray solution, so first test a small area.

How to Use – Outdoors	
NUISANCE PESTS ON OUTDOOR SURFACES	
<p>To Kill Ants, Fleas, Mosquitoes, Earwigs, Crickets, Spiders and other listed Pests on Outside Surfaces and Around Buildings</p> <p>Around structures: acrobat ants, Argentine ants, bigheaded ants, carpenter ants, cornfield ants, crazy ants, field ants, ghost ants, false honey ants, little black ants, odorous house ants, pavement ants, pyramid ants, thief ants, velvety tree ants</p> <p>NOTE: The application of this product to vinyl and aluminum siding (particularly lightly colored, aged, weathered or otherwise damaged) may result in staining, bleaching or discoloration. Factors such as extreme heat and direct sunlight can promote damage. Before applying this product to vinyl or aluminum siding, treat a small area and evaluate 30 minutes later to allow any potential staining to occur. Regardless of the test results, do not apply to vinyl or aluminum siding while exposed to direct sunlight or during the heat of the day.</p>	<ul style="list-style-type: none"> • Apply to wetness by spray to vegetation such as bushes and trees around buildings and other structures. • For ants, apply to any trails, around doors and windows and other places where ants may be found. • To prevent pests from entering buildings, apply to a band of surfaces, soil and vegetation [1] [2] [3] 5 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a height of [1] 2 to 3 feet where pests are active and may find entrance. • The surface to be treated should be dry at the time of application. Attics and unoccupied lofts should be treated at the same time and at the same rate. <p>Apply in a band [1] [2] [3] 5 to 10 ft. wide around the outside perimeter of the building. Treat areas such as flower gardens, and around trees, and dump-sites where ants are trailing, feeding or nesting. Concentrate treatment at visible ant trails as well as cracks or crevices where ants may enter the structure.</p>

<p>To Kill Carpenter Ants Outdoors</p>	<ul style="list-style-type: none"> • Apply to carpenter ant trails around doors and windows and other places where carpenter ants have been observed or are expected to forage. • For best results, locate and treat carpenter ant nests. • Apply a perimeter treatment as described above. To protect firewood from carpenter ants (and termites), apply to the soil beneath where the firewood will be stacked. DO NOT treat firewood with this product.
<p>To Kill Mosquitoes Outdoors</p>	<ul style="list-style-type: none"> • For best results, locate areas where mosquitoes are most active or may become active. Use a spot and crack and crevice treatment around potential entry points such as doors, windows, and eaves. Spray insects directly if possible.
<p>To Kill Bees and Wasps Outside</p>	<ul style="list-style-type: none"> • Application to nests should be made late in the evening when insects are at rest. • Thoroughly spray nest and entrance and surrounding areas where insects alight
<p>LAWNS</p>	
<p>To Kill Ants, Beetles, Chinch Bugs, Mole Crickets, Sod Webworms, Weevils and other Pests in Lawns</p>	<ul style="list-style-type: none"> • Lawn should not be longer than 3 inches at the time of application. [Application in combination with compatible surfactants may enhance penetration.] • Repeat application is necessary only if there are signs of renewed insect activity.
<p>ORNAMENTALS, ROSES, FLOWERS and TREES</p>	
<p>To Kill Ants, (including cut ants), Aphids, Bagworms, Earwigs, Sow Bugs, Millipedes, Beetles, Weevils, Plant Bugs, Leaf-cutting Bees, Sawflies, Caterpillars, Moths and other listed pests on Ornamentals, Roses, Flowers and Trees (including deciduous and evergreen trees, shrubs, ground covers, bedding plants, annuals, perennials, and foliage plants).</p>	<ul style="list-style-type: none"> • Apply to point of run-off. Spray up to the point of run-off making sure to cover all sides of leaves and trunk. Retreat if pests return. • For ground covers, bedding plants, foliage, annuals and perennials, apply as a uniform spray. Repeat treatment as necessary to achieve control using higher application rates as pest pressure & foliage area increases. Repeat application should be limited to no more than once per seven days. <p>Certain plants may be sensitive to the final spray solution. A limited area should be treated and observed for one week prior to application to the entire planting.</p>

IV. Pest List

[For Use With Any Option]

PESTS CONTROLLED

Caterpillars,
Butterflies and
Moths

Tent forming caterpillars, cocoon forming caterpillars, chrysalis forming caterpillars.
Leaf feeding caterpillars (including leaves of flowering plants, bushes and other ornamentals, vegetables and trees), azalea leafminers, green cloverworm, fruit eating caterpillars, legume feeding caterpillars, vegetable feeding caterpillars, stem and trunk boring caterpillars, and leafrolling caterpillars.
Caterpillars of the Yucca Moth family such as Fairy moths and Yucca moths; Clothes moth family; bagworm moth family, Gelechiid moth family such as Potato tuber moths; Ermine Moth family such as Ailanthus Webworm moth; Clear Winged moth family such as Manroot borer, Squash Vine borer, Doll's Clearwing moth, California Sycamore borer; Tortricid Moth family (millers) such as Fruit Tree Leafroller moth, Orange Tortrix, and Codling moth; Skippers such as Least Skipper, Silver-spotted Skipper, and Long-tail Skipper; Swallowtails such as Green swallowtail, Zebra Swallowtail, Giant Swallowtail (Orange Tail, Orange Puppy), Pale Swallowtail, Eastern Tiger Swallowtail, Eastern Black Swallowtail, Spicebush Swallowtail, and Phoebus; Whites, Sulphurs and Orange Tips family such as Sara Orange Tip, Great Southern White, and European Cabbage Butterfly; Gossamer-Winged Butterflies Family such as Great Purple Hairstreak, Spring Azure, Early Hairstreak, Eastern Tailed blue, Harvester, Silvery Blue, Brown Elfin, Marine Blue, American Copper, and Gray Hairstreak; Metalmark family such as Northern Metalmark; Snout Butterflies family such as Common Snout Butterfly; Brush-Footed Butterfly family such as Gulf Fritillary, White Peacock, Harris' Checkerspot, Painted Lady (Thistle butterfly), American Painted Lady (Painted Beauty), Baltimore, Zebra (Yellow-barred Heliconian), Viceroy, White Admiral (Banded Purple), Mourning Cloak, Milbert's Tortoise Shell, Pearl Crescent, Question Mark, Buckeye, Great Spangled Fritillary, and Red Admiral; Hackberry and Goatweed Butterfly family such as Hackberry butterfly; Satyrs, Nymphs and Arctics family such as Wood Nymph (American Grayling), White Wood Satyr, Eyed Brown (Grass Nymph), Pearly Eye, and Chryxus Arctic; Milkweed Butterfly family such as Queen, and Monarch; Smoky Moth family such as Grape Leaf Skeletonizer; Slug Caterpillar Moth family such as Saddleback Caterpillar Moth; Pyralid Moths family such as Mediterranean Flour Moth Sod Webworm Moth, Indian Meal Moth, Meal Moth; Plume Moth family such as Artichoke Plume Moth; Measuringworm Moth family such as Tulip Tree Beauty, California Cankerworm Moth, and Large California Spanworm Moth; Tent Caterpillar Moth family such as Western Tent Caterpillar Moth; Giant Silkworm Moth family such as Luna Moth, Polyphemus moth, Io Moth, Promethea Moth (Spicebush Silkworm), Regal Moth (Royal Walnut Moth), Rosy Maple Moth, Imperial Moth, Sheep Moth, Cecropia Moth, and Cynthia Moth; Sphinx moth family such as Virginia-creeper Sphinx, Pandora Sphinx, Hummingbird Moth (Common Clearwing), White-lined Sphinx, Tomato Hornworm Moth, Tobacco Hornworm Moth, Big Poplar Sphinx, Cerisy's Sphinx, and Wild-cherry Sphinx; Prominents family such as Tentacled Prominents (Puss Moths), and Red-humped Appleworm Moth; Tiger Moth family such as Ornate Tiger Moth, Yellow Woolly Bear Moth, Acraea Moth, Milkweed Tiger Moth, Spotted Tiger Moth, Colona, Woolly Bear Caterpillar Moth (Banded Woolly Bear), Lichen Moth, and Rattlebox Moth; Ctenuchid Moth family such as Virginia Ctenuchid moth; Tussock

	moth family such as Gypsy Moth, White-marked Tussock Moth; Owlet Moth family such as Eight-spotted Forester, Black Witch, Alfalfa Looper, Sweetheart Underwing, Locust Underwing, and Hebrew.
Common Bristletails	Silverfish Family such as Silverfish, and Firebrat
Springtails	Podurid Springtail family such as Snow Pea, Seashore Springtail; Entomobryid Springtail family such as Ainsley's Springtail; Globular Springtail family
Cockroaches	Blattid Cockroach Family such as Oriental Cockroach (Asiatic Cockroach, Shad Cockroach), and American Cockroach (Waterbug); Blattellid Cockroaches family such as German Cockroach (Croton Bug)
Termites	Rotting-wood termite family such as Pacific Coast Termite; Subterranean termite family such as subterranean termites. Not intended to replace structural treatments. For termites – not recommended as sole protection against termites. Such applications are not a substitute for mechanical alterations, soil or foundation treatment but merely as a supplement. For active infestations, get a professional inspection.
Earwigs	Long-Horned Earwig family such as Ring-legged Earwig, and Riparian Earwig; Common Earwig family such as European Earwig
Grasshoppers & Crickets	Pygmy Grasshopper family such as Aztec Pygmy Grasshopper; Short-Horned Grasshopper family such as Creosote Bush Grasshopper, Lubber Grasshopper, Painted Grasshopper, Carolina Locust, Dragon Lubber Grasshopper (Gray Dragon), Three-banded Grasshopper (Banded Range Grasshopper), Differential Grasshopper, Red-legged Locust, Spur-throated Grasshopper, Two-striped Grasshopper, Panther-spotted grasshopper, Southeastern Lubber Grasshopper, Alutacea Bird Grasshopper, American Bird Grasshopper, Green Valley Grasshopper, Toothpick Grasshopper, Horse Lubber Grasshopper, Pallid-winged Grasshopper, and Great Crested Grasshopper (Dinosaur Grasshopper); Long-horned grasshoppers and Katydid family such as Oblong-winged Katydid, Mormon Cricket, Short-legged Shield back Katydid, California Katydid, Angular-winged Katydid, Keeled Shield-back Katydid, Nebraska Cone-head, Gladiator Katydid, Mescalero Shield-back Katydid, True Katydid (Northern Katydid), and Fork-tailed Bush Katydid; Camel Crickets family such as Spotted Camel Cricket, Secret Cove Cricket, Jerusalem Cricket; True Crickets family such as House Cricket (Cricket on the Hearth), Field Cricket, California Tree Cricket, Snowy Tree Cricket, and Black-horned Tree Cricket; Mole Cricket family such as Northern Mole Cricket and European Mole Cricket
True Bugs	Plant Bug family such as Adelphocoris Plant Bugs, Scarlet Plant bugs, Tarnished Plant Bugs, and Four-lined Plant Bug; Assassin bug family such as Bee Assassins, Wheel Bug; Ambush Bug family such as Jagged Ambush Bug; Lace Bug family such as Oak Lace Bug; Seed Bug family such as Small Eastern Milkweed Bug; Long-necked Seed Bug, and Large Milkweed Bug; Stilt Bug family such as Stilt Bugs; Leaf-footed Bug family such as Florida Leaf-footed Bug, and Squash Bug; Scentless Plant Bug family such as Eastern Boxelder Bug and Western Boxelder Bug; Stink Bug family such as Green Stink Bug, Brochymenas, Two-spotted Stink Bug (Conspicuous Stink Bug), Harlequin Cabbage Bug (Calico Bug, Fire Bug), and Spined Soldier Bug
Cicadas and Kin	Cicada family such as Periodical Cicadas, Dogday Harvestfly, and Grand Western Cicada

Treehoppers	Treehopper family, such as Thorn-mimic Treehopper, Oak Treehopper, Buffalo Treehopper, and Locust Treehopper
Leafhoppers	Leafhopper family such as Grape Leafhopper, Scarlet-and-green Leafhopper, Sharpshooter
Thrips	Banded Thrips family such as Banded-wing Thrips; Common Thrips family
Beetles	<p>Tiger Beetle Family such as Beautiful Tiger Beetle, Dainty Tiger Beetle, Six-Spotted Green Tiger Beetle, and Dejean's Flightless Tiger Beetle; Ground Beetle family such as Bombardier Beetle, Fiery Searcher (Caterpillar hunter), European Ground Beetle, Green Pubescent Ground Beetle, Common Black Ground Beetle, and Boat-backed Ground Beetle; Predacious Diving Beetle family such as Small Flat Diving Beetle, Large Diving Beetle, and Marbled Diving Beetle; Whirligig Beetle family such as Large Whirligig Beetle, and Small Whirligig Beetle; Hister Beetle family such as Hister beetles; Rove Beetle family such as Gold-and-brown Rove Beetle and Pictured Rove Beetle; Carrion Beetle family such as Margined Burying Beetle, Tomentose Burying Beetle (Gold-necked Carrion Beetle), American Carrion Beetle, and Northern Carrion Beetle; Stag Beetle family such as Elephant Stag Beetle, Agassiz's Flat-horned Stag Beetle, Reddish-brown Stag Beetle, and Rugose Stag Beetle; Bessbugs family such as Patent-leather Beetle (Horned Passalus); Scarab Beetle family such as Tumblebugs, Goldsmith Beetle, Green Jumping Beetle, Brown Fruit Chafer, Glossy Pillbug, Grapevine Beetle, May Beetles (June Beetles), Ten-lined June Beetles, and Japanese Beetle; Metallic Wood-Boring Beetles such as Golden Buprestid, Western Pine Borer (Sculptured Pine Borer), and Divergent Metallic Wood Borer (Flatheaded Cherry Tree Borer); Click Beetle family such as Eastern Eyed Click Beetle (Big-eyed Click Beetle), and Fire Beetles; Fireflies (Lightning Bugs) family such as Pyralis Firefly, and Pennsylvania Firefly; Soldier Beetle family such as Pennsylvania Leather-wing, and Downy Leather-wing, Net-winged Beetle family such as Banded Net-wing, and Golden Net-wing; Spider Beetle family such as Spider Beetles, and Texan Spider Beetle; Branch and Twig Borer family such as Apple Twig Borer; Checkered Beetle family such as California Checkered Beetle, Elegant Checkered Beetle, Slender Checkered Beetle, and Red-blue Checkered Beetle; Flat Bark Beetle family such as Red Flat Bark Beetle; Pleasing Fungus Beetle such as Rough Fungus Beetle; Ladybug Beetles such as Two-spotted Ladybug Beetle, Nine-spotted Ladybug Beetle, Spotless "Nine-spotted" Ladybug, Convergent Ladybug Beetle, and Ash Gray Ladybug Beetle; Darkling Beetles such as Horned Fungus Beetle, Broad-necked Darkling Beetle, Plicate Beetle, Yellow Mealworm Beetle, and Ironclad Beetle; Fire-colored Beetles family such as Fire Beetles; Blister Beetles family such as Striped Blister Beetle, Arizona Blister Beetle, Short-winged Blister Beetle, (Oil Beetle); Long-horned Beetle family such as Black-horned Pine Borer, Yellow Douglass Fir Borer, Long-jawed Longhorn, Elder Borer (Cloaked Knotty-horn), Twig Pruners, Pine Sawyer (Spined-neck Longhorn), Golden-haired Flower Longhorn, Locust Borer, Black Pine Sawyer (White Spotted Sawyer), Cylindrical Hardwood Borer, Cottonwood Twig Borer, Cottonwood Borer, Giant Root Borers, Ribbed Pine Borer, California Laurel Borer (Banded Alder Borer), Ivory-marked Beetle, Red Milkweed Beetle (Eastern Milkweed Longhorn), Notch-tipped Flower Longhorn, and Willow Borer; Seed Borer family such as Bean Weevil; Leaf Beetle family such as Dogwood Calligrapha, Milkweed Tortoise Beetle (Argus Tortoise Beetle), Dogbane Leaf Beetle, Milkweed Leaf Beetle, Willow Leaf Beetle, Spotted Asparagus Beetle, Clavate Tortoise Beetle, Spotted Cucumber Beetle, Waterlily Leaf Beetle, Swamp Milkweed Leaf Beetle, Three-lined Potato Beetle, (Old-fashioned Potato Bug, Colorado Potato Beetle, and Girdled Leaf Beetle; Primitive Weevil family such as Oak Timberworm Beetle (Primitive Weevil); Snout Beetles and Weevil family such as Boll Weevil, Black Oak Acorn Weevil, Lesser Cloverleaf Weevil, Alfalfa Weevil,</p>

	<p>Pine Weevils, Rose Weevils, Agrave Billbug, and Stored-grain Billbug (Granary Weevil, Elephant Bug); Bark and Ambrosia Beetle family such as Red Turpentine Beetle, Pine and Spruce Engraver Beetles, and Bark Beetles.</p>
<p>Bees, Ants, Wasps, Sawflies</p>	<p>Cimbicid Sawflies family such as Rusty Willow Sawfly; Common Sawfly family such as Northeastern sawfly; Horntail family such as Pigeon Horntail, and Smokey Horntails; Stem Sawflies family such as Raspberry Horntail; Braconids family such as Braconid Wasps; Ichneumons family such as Giant Ichneumons, Short-tailed Ichneumons and Red-tailed Ichneumon; Torymid Wasp family such as California Torymus; Chalcid family such as Golden-yellow Chalcid; Gall Wasp family such as California Oak Gall Wasps and Live Oak Gall Wasp; Pelecinid family such as American Pelicini; Tiphid Wasp family such as Five-banded Tiphid Wasp; Velvet-Ants such as Thistledown Velvet-ant, Red Velvet-ant, and Cow Killer; Scoliid Wasp family such as Scarab-hunter Wasp, and Digger Wasp; Ant family such as Spine-waisted ants, Leafcutter ants, Texas Carpenter ants, Black Carpenter ants, Crater-nest ants, Crazy Ants, Tawny Crazy Ants, Texas Shed-builder ant (Acrobat Ant), Red Ant, Legionary Ant, Little Black Ant, Arid Lands Honey Ant, Big-headed Ant, Honey Ant, and Fire Ant; Vespid Wasp family such as Potter Wasp, Paper Wasps, Yellow Jackets, and Sandhills Hornet; Spider Wasps such as Blue-black Spider Wasps, and Tarantula Hawk; Sphecid Wasp family such as Thread-waisted Wasps, Eastern Sand Wasp, Steel-blue Cricket Hunter, Purplish-blue Cricket Hunter, Florida Hunting Wasp, Black and Yellow Mud Dauber, Cicada Killer, and Great Golden Digger Wasp; Bee families such as Plasterer Bee, Yellow-faced Bees, Virescent Green Metallic Bees, Augochlora Green Metallic Bees, Alkali Bee, Mining Bee, Willow Mining Bee, Nevada Mining Bee, Clarkia Bee, Faithful Leafcutting Bee, Western Leafcutting Bee, Mason Bees, California Leafcutting Bee, Digger Bees, Western Cuckoo Bee, California Carpenter Bee</p>
<p>Flies</p>	<p>Crane fly family such as Wood-boring Tupulid, Giant Western Crane Fly, and Crane Flies; Phantom Crane Flies such as Phantom Crane Fly; Net-winged Midges such as Comstock's Net-winged Midge; Phantom Midges; Black Flies such as Black flies; March Flies family such as March Flies; Fungus Gnats family such as Fungus Gnats; Snipe Fly family such as Gold-backed Snipe Fly; Stiletto Fly family such as Stiletto Flies; Flower-loving Fly family such as Flower-loving Fly; Mydas Fly family such as Mydas fly; Robber Fly family such as Bearded Robber Fly, Sacken's Bee Hunter, Giant Robber Fly, Bee Killer (Giant Robber Fly), and Robber Flies; Bee Flies such as Bee Fly, Large Bee Flies, and Progressive bee Flies; Dance Flies such As Dance Flies; Long-Legged Flies such as Condylostylid Long-legged Flies, and Texan Long-legged Fly; Hover Fly family such as Woolly Bear Hover Flies, Elongate Aphid Flies, Drone Flies, Bulb Flies, American Hover Flies, and Toxomerus Hover Fly; Thick Headed Fly family such as Thick headed fly; Pyrgotid Fly family such as Pyrgotid Flies; Fruit Fly family such as Walnut Husk Fly, and Apple Maggot Fly; Seaweed Fly family such as California Seaweed Fly; Marsh Fly family such as Marsh flies; Shore fly family such as Yellowstone Brine Fly; Pomace fly family such as Vinegar Fly; Anthomyiid Fly family such as Dung Fly; Muscid Fly family such as House Fly, and Biting Stable Fly; Louse Fly family, Blow Fly family such as Blue Bottle Fly, Screw-worm Fly, and Green Bottle Fly; Flesh Fly family such as Flesh flies; Tachinid Fly family such as Beelike Tachinid Fly, Early Tachinid Fly, Repetitive Tachinid Fly, Tachina Fly, and Fringe-legged Tachinid Fly</p>

Spiders	<p>Folding trapdoor spider family such as Turret spider; Tarantula family such as Desert Tarantula; Trapdoor Spider family such as California Trapdoor spider; Dictynid spider family such as Branch-yip spiders; Spitting spider family such as Spitting spiders; Violin Spider family such as Desert Loxosceles, and Violin Spider; Comb-footed Spider family such as American House Spider, and Black Widow Spider; Sheet-web Weaver family such as Hammock Spider; Orb Weaver family such as Orb weavers, barn spider, Garden spider (cross spider), Marbled orb Weaver, Shamrock Spider, Six-spotted Orb-weaver, Silver Argiope, Black-and-Yelley Rgiope, Crablike Spiny Orb Weaver, Bola Spider, Arrow-shaped Micrathena, and Golden-silk spider (calico spider); Large-jawed Orb Weaver family such as Mabel Orchard Spider, Venusta Orchard Spider, Elongate Long-jawed Orb Weaver, and Long-jawed Orb Weaver; Funnel Web Weaver family such as Grass Spiders; Nursery Web Spider family such as Brownish-grey Fishing Spider, Six-spotted Fishing spider, and Nursery Web Spider; Wolf Spider family such as Burrowing Wolf Spiders, Carolina Wolf spider, Forest Wolf spider, rabid wolf spider, and Thin-legged Wolf spider; Lynx Spider family such as Jumping Lynx spider, and green lynx spider; Sac Spider family such as Ant-mimic spiders; Wandering spider family such as Wandering spiders; Giant Crab spider family such as Huntsman spider, and Golden Huntsman spider; Selenopid Crab Spider family such as Selenopid Crab Spider; Crab Spider family such as Goldenrod spider (flower spider, red-spotted Crab Spider), Elegant Crab Spider, Thrice-banded Crab Spider; Philodromid family such as Inconspicuous Crab Spiders; Jumping Spiders such as Green Lyssomanes, Dimorphic Jumping Spider, Metaphid Jumping Spider, Ant-mimic Jumping spider, and Daring Jumping spider</p> <p>Daddy-long-legs family such as Eastern Daddy-long-legs and Brown Daddy-long-legs</p>
Ticks	Blacklegged tick, Brown dog tick, Deer tick
Psyllid, Whiteflies, Aphids, Mealybugs, Scale Insects	<p>Psyllid family such as American Alder Psyllid; Whitefly family such as Greenhouse Whitefly; Aphid family such as Green Apple Aphid, Rosy Apple Aphid, Rose, Pea and Potato Aphid, Root Aphid, Coudy-winged Cottonwood Aphid, and Giant Willow Aphid; Woolly and Gall-Making Aphid family such as Woolly Apple Aphid; Giant Scale Insects family such as Cottony Cushion Scale; Armored Scale Insects family such as Oyster Shell Scale; Mealybug family such as Long-tailed mealybug; Cochineal Bug family such as Cochineal bug.</p>
Millipedes	Millipedes such as soft millipedes, Florida millipede, Almond millipede, North American millipede and flat millipedes

V. Fruit & Vegetable List

[For Use With Any Option]

Plants	Pests	Use Before Harvest
VEGETABLES		
Leafy Vegetables <ul style="list-style-type: none"> • Amaranth (leafy amaranth, Chinese spinach, tampala); • Arugula; • Cardoon; • Cilantro • Corn salad; • Garden cress; • Upland cress; • Dandelion; • Dock; • Endive; • Florence Fennel; • Head Lettuce; • Leaf Lettuce; • Orach; • Parsley; • Garden Purslane; • Winter Purslane; • Radicchio (red chicory); • Rhubarb • Spinach • Swiss chard 	Corn Earworm Cucumber Beetles, Cutworms, Diamondback Moth, Flea Beetles Imported Cabbageworm, Leafhoppers, Saltmarsh Caterpillar, Tobacco Budworm, Armyworms, Loopers, Lygus Bugs, Onion Thrips, Stink Bugs, Wireworm	Spray up to 1 day before harvesting
Fruiting Vegetables including: <ul style="list-style-type: none"> • Eggplant; • groundcherry (Physalis spp.); • pepino (Melon pear); • pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); • tomatillo; • tomato 	Armyworm, Southern Armyworm, True Armyworm, Yellow-striped Celery Leaf Tier, Colorado Potato Beetle, Corn Borer, European, Corn Borer, Southwestern Corn Earworm, Cucumber Beetle, Cutworm, Flea Beetle, Garden Webworm, Green Stink Bug, Hornworms, Leafminers (adults), Leafhoppers, Meadow Spittlebug, Pepper Maggot (adults), Pepper Weevil, Plant Bugs, Tobacco Budworm, Tomato Fruitworm, Tomato Pinworm, Aphids, Armyworm, Beet Armyworm, Fall Cabbage Looper, Grasshoppers, Lygus Bugs, Brown Stink Bug, Tomato Psyllid, Thrips, Whiteflies.	Spray up to 1 day before harvesting
Brassica Vegetables including: <ul style="list-style-type: none"> • Broccoli; • Chinese Broccoli (gai lan, white flowering broccoli); • Brussels Sprouts; 	Corn Earworm, Cucumber Beetles, Cutworm, Diamondback Moth, Flea Beetles, Imported Cabbageworm, Leafhoppers, Saltmarsh Caterpillar, Southern Cabbageworm, Tobacco Budworm Alfalfa Looper,	Spray up to 1 day before harvesting

<ul style="list-style-type: none"> • Cauliflower; • Cavalo broccolo; • Kohlrabi; • Cabbage; • Chinese Cabbage (napa); • Leafy Brassica Greens including: Broccoli Raab (rapini) ; • Chinese cabbage (bok choy); • Chinese Mustard Cabbage (gai choy); • Collards; • Kale; • Mizuna; • Mustard Greens; • Mustard Spinach; • Rape Greens 	<p>Armyworms, Cabbage Looper, Cabbage Webworm, Ground Beetles, Leafminers (adults), Lygus Bugs, Onion Thrips, Stinkbugs, Wireworm (adults), Aphids, and Whiteflies</p>	
<p>Root & Tuber Vegetables</p> <ul style="list-style-type: none"> • Arracacha; • Arrowroot; • Artichoke; • Garden Beet; • Edible Burdock; • Edible Canna; • Carrot; • Turnip-rooted chervil; • Chicory; • Chufa; • Dasheen (Taro); • Ginger; • Ginseng; • Horseradish; • Leren; • Turnip-Rooted Parsley; • Parsnip; • Potato; • Oriental Radish (Daikon); Rutabaga; • Salsify (Oyster Plant); • Black Salsify; • Spanish Salsify; • Skirret; Sweet Potato; • Tanier (Cocoyam); • Turmeric; • Turnip; • Yam Bean; • Yan (True) 	<p>Cutworms, Cabbage Looper Cucumber Beetle, European Corn Borer, Fleabeetles, Leafhoppers, Southern Corn Rootworm (adult), Vegetable Weevil, Whitefringed Beetle (adult), Armyworm, Beet Armyworm, Yellowstriped Cabbage Maggot, Colorado Potato Beetle, Grasshoppers, Imported Cabbageworm, Potato Leafhopper Potato Psyllid, Potato Tuberworm, Tarnished Plant Bug</p>	<p>Spray up to 1 day before harvesting</p>
<p>Cucurbit Vegetables Group including but not limited to:</p> <ul style="list-style-type: none"> • Chayote (fruit); • Chinese Waxgourd 	<p>Cutworms, Cabbage Looper, Cucumber Beetles. (adult), Leafhoppers, Melonworm, Pickleworm, Rindworm, Squash</p>	<p>Spray up to 1 day before harvesting</p>

<p>(Chinese Preserving Melon);</p> <ul style="list-style-type: none"> • Citron Melon; • Cucumber; • Gherkin; Gourd (edible) (including hyotan, cucuzza, hechima, Chinese orkra); • Mormordica 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, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon); • Pumpkin; • Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Winter Squash (includes butternut squash, calabaza, hubbard squash, acorn squash, and spaghetti squash); • Watermelon (includes hybrids and varieties). 	<p>Bug, Squash Vine Borer, Corn Earworm, Plant Bugs, Stinkbugs</p>	
<p>Bulb Vegetables (Allium spp.) including:</p> <ul style="list-style-type: none"> • Garlic; Garlic, Great-Headed (elephant); • Green Eschalots; • Japanese Bunching Onions; • Leeks; • Onion, Dry Bulb and Green; • Onion, Welch; • Shallots, Dry Bulb and Green; • Spring Onion or 	<p>Armyworms, Cutworms, Leafminers (adults), Onion Maggot Adults, Stink Bugs, Aphids, Onion Thrips</p>	<p>Spray up to 7 days before harvesting</p>

Scallions		
Sunflower	Cutworm spp., White Grub, Wireworm	Spray up to 30 days before harvesting
Sweet Corn	Chinch Bug, Corn Rootworm (Adult), Corn Silkworm, Cutworms, Flea Beetle, Leafhoppers, Japanese Beetle (Adult), Sap Beetle (adults), Tarnished Plant Bug, Armyworms, Corn Borers, Corn Earworm, Grasshoppers, Aphids	Spray up to 3 days before harvesting

<p>Legume Vegetables - Succulent and Dried</p> <p>Succulent Edible-Podded Peas, Succulent Shelled Peas and Dried Shelled Peas (Pisum spp.) including:</p> <ul style="list-style-type: none"> • Dwarf Pea; • Edible-pod Pea; • Snow Pea; • Sugar Snap Pea; • Pigeon pea; • English Pea; • Garden Pea; • Green Pea; • Lentil. <p>Succulent Edible-Podded Beans, Succulent Shelled Beans, and Dried Shelled Beans including:</p> <ul style="list-style-type: none"> • Runner Bean; • Snap Bean; • Wax Bean; • Asparagus Bean; • Chinese Longbean; • Moth Bean; • Yardlong Bean; • Jackbean; • Soybean (immature seed); • Swordbean; • Lima Bean; • Broad Bean (Fava Bean); Blackeyed Pea; • Southern Pea; • Grain Lupin; • Sweet Lupin; • White Lupin; • White Sweet Lupin; • Field Bean; • Kidney Bean; • Navy Bean; 	<p>Cutworms, Painted Lady (Thistle) Caterpillar, Saltmarsh Caterpillar, Silverspotted Skipper, Alfalfa Caterpillar, Armyworm, Southern Armyworm, True Armyworm, Yellow-Striped Bean Leaf Beetle, Blister Beetles, Colorado Potato Beetle, European Corn Borer, Corn Borer, Southwestern Corn Earworm, Corn Rootworm Beetle (adult), Cowpea Curculio, Cucumber Beetle, Flea Beetle, Green Cloverworm, Ground Beetles, Imported Cabbageworm, Japanese Beetle, Leaf Skeletonizers, Leafhoppers, Leafminers (adults), Mexican Bean Beetle, Pea Weevil, Pea Leaf Weevil, Plant Bugs, Potato Leafhopper, Seedcorn Beetle, Seedcorn Maggot (adult), Spittlebug, Three-Cornered Alfalfa, Hopper, Tobacco Budworm, Velvetbean Caterpillar, Webworms, Woolly Bear Caterpillar</p>	<p>Spray up to 1 day before harvesting on succulent shelled or edible-podded peas or beans, and up to 21 days before harvesting for dried shelled peas or beans</p>
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<ul style="list-style-type: none"> • Pinto Bean; • Tepary Bean; • Adzuki Bean; • Catjang; • Cowpea; • Crowder Pea; • Moth Bean; • Mung Bean; • Rice Bean; • Urd Bean; • Chickpea (Garbanzo Bean); • Guar; • Lablab bean. 		
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FRUITS and NUTS		
Berries Crop Group including: <ul style="list-style-type: none"> • blackberry; • loganberry, • red and black raspberry; • blueberry, highbush and lowbush; • currant; • elderberry; • gooseberry; • huckleberry; 	Leafrollers, Orange Tortrix, Root Weevils	Spray up to 1 day before harvesting
Stone Fruit Trees <ul style="list-style-type: none"> • Apricot; • Cherry (Sweet and Tart); • Nectarine; • Peach; • Plum (including Chickasaw Plum, Damson Plum, and Japanese Plum); • Plumcot; • Prune 	American Plum Borer, Black Cherry Aphid, Cherry Fruit Fly, Green Fruitworm, Leafrollers, Leafhoppers, Lesser Peach Tree Borer, Peach Tree Borer, Peach Twig Borer, Plum Curculio, Oriental Fruit Moth, Rose Chafer, Stink Bugs, Tarnished Plant Bug, Tufted Apple Budmoth, Western Cherry Fruit Fly	Spray up to 14 days before harvesting.

<p>Pome-Fruit Trees</p> <ul style="list-style-type: none"> • Apple; • Crabapple; • Loquat; • Mayhaw; • Pear; • Oriental Pear; • Quince. 	<p>Apple Maggot, Codling Moth, European Apple Sawfly, Green Fruitworm, Japanese Beetle, Lesser Appleworm, Oblique Banded Leafroller, Oriental Fruit Moth, Pandemis Leafroller, Pear Psylla, Plum Curculio, Potato Leafhopper, Redbanded Leafroller, Rosy Apple Aphid, Spirea Aphid, Spotted Tentiform Leafminer, Stink Bugs, Tarnished Plant Bug, Tufted Apple Bud Moth, Variegated Leafroller, White Apple Leafhopper</p>	
<p>Grapes</p>	<p>Eastern grape leafhopper, Variegated leafhopper, Western grape leafhopper</p>	<p>Spray up to 1 day before harvesting.</p>
<p>Peanuts</p>	<p>Cutworm spp., Green Cloverworm, Velvetbean Caterpillar, Red-necked Peanut Worm, Bean Leaf Beetle, Leafhopper spp., Southern Corn Rootworm (adult), Vegetable Weevil, Whitefringed Beetle (adult), Aphid spp., Armyworm, Beet, Fall Armyworm, Corn Earworm, Grasshopper spp., Lesser Cornstalk Borer, Soybean Looper, Stink Bug spp., Tobacco Thrips</p>	<p>Spray up to 7 days before harvesting.</p>
<p>Citrus Trees</p> <ul style="list-style-type: none"> • Orange • Grapefruit • Lemon • Lime • Citrus Hybrids (including Tangelo) • Mandarin (Tangerine) • Pummelo • Calamondin • Citron • Kumquat 		<p>Spray up to 1 day before harvesting.</p>
<p>Nut Trees</p> <ul style="list-style-type: none"> • Almonds • beech nut; • Brazilnut; • butternut; • cashew; • chestnut; • chinquapin; • filbert (hazelnut); 	<p>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, Pecan Weevil, Plant Bugs, Stink Bugs, Walnut Aphid, Walnut Husk Fly, Yellow Pecan</p>	<p>Spray up to 7 days before harvesting.</p> <p>Do not apply more than 0.125lbai/A per season</p>

<ul style="list-style-type: none">• hickory nut;• macadamia nut;• pecan;• walnut (black and English).	Aphid	
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