



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 5, 2025

Amy Dugger-Webster
Senior Regulatory Affairs Manager
BASF Agricultural Solutions US LLC
26 Davis Drive
Research Triangle Park, NC 27713

Subject: Label Amendment - Registration Review Mitigation for Cyfluthrin
Product Name: Cy-Kick CS Controlled Release Insecticide
EPA Registration Number: 499-304
Application Date: March 31, 2021
Case Number: 483435

Dear Amy Dugger-Webster:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Cyfluthrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. 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 12 months from the date of this letter. After 12 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.

If you have any questions about this letter, please contact Lauren Weissenborn via email at weissenborn.lauren@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Cathryn Britton". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Cathryn Britton
Chief, Risk Management and Implementation
Branch V
Pesticide Re-evaluation Division (7508M)
Office of Pesticide Programs

ENCLOSURE: Stamped label

ACCEPTED

11/05/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No.

499-304

Cyfluthrin

Group

3A

Insecticide

WHITMIRE
OPTEM®

PT® 600 MICROENCAPSULATED INSECTICIDE

{ALTERNATIVE BRAND NAMES:}

[ABN #1: CY-KICK® CS (w/descriptor: Controlled Release Insecticide) {added via Notification 4/4/2013};

ABN #2: Prescription Treatment™ brand CY-KICK® CS (w/descriptor: Controlled Release Cyfluthrin) {added via Notification 10/19/99};

ABN #3: Optashield® CS Controlled Release Premise Insecticide {added via Notification 11/15/96};

ABN #4: Prescription Treatment™ brand Optashield® CS Controlled Release Premise Insecticide {added via Notification 11/6/96};

ABN #5: Prescription Treatment™ brand Optem® Cyfluthrin Capsule Suspension Formula 1 {added via Notification 11/8/96};

ABN #6: Optem® Cyfluthrin Capsule Suspension Formula 1 {added via Notification 9/27/96};

ABN #7: Prescription Treatment™ Brand Optashield® CS {added via Notification 9/16/96}]

For both indoor and outdoor use

[• SmartCap™ Technology]

[• Using SmartCap™ Technology]

[• With SmartCap™ Technology]

KILLS: Ants, [Aphids], [Armyworms], Asian Lady Bugs, [Bagworms], Bed Bugs, Bees, [Beetles], [Billbugs (adults)], Boxelder Bugs, Cadelles, Carpenter Ants, Carpenter Bees, Carpet Beetles, [Caterpillars], Centipedes, [Chiggers], [Chinch Bugs], Chocolate Moths, Cigarette Beetles, Clover Mites, Cluster Flies, Cockroaches, Crickets, [Cutworms], Darkling Beetles, Dermestids, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Fire Ants, Firebrats, Fleas, Flies, Flour Beetles, [Fruitworms], [Fungus Gnats], [Fungus Gnat Larvae], Grain Weevils, Grasshoppers, Hide Beetles, Hornets, [House Flies], Indian Meal Moths, [Japanese Beetles (adults)], [Lace Bugs], Larder Beetles, [Leafminers], [Leafrollers], Lesser Grain Borers, Lesser Mealworms, Loopers, [Mealy Bugs], Mediterranean Flour Moths, Merchant Grain Beetles, Mealworms, Millipedes, Mosquitoes, [Pillbugs], [Plant Bugs], Psocids, [Psylla], Rice Weevils, Sawtoothed Grain Beetles, [Scale Insects], Scorpions, Silverfish, [Sod Webworms], Sowbugs, Spiders, Springtails, [Stable Flies], [Tent Caterpillars], Termites, [Thrips], Ticks, Yellowjackets, Warehouse Moths, Wasps, Wood Wasps, Wood Infesting Borers and Beetles

FOR USE IN AND AROUND: Apartments, Calf Hutches, Calving Pens and Parlors, Campgrounds, Chicken Houses (empty), Commercial and Industrial Building, Dairy Areas, Dog Kennels, Food Processing Plants, Food Storage Areas, Grain Mills, Granaries, Hog Barns, Homes, Horse Barns, Hospitals, Hotels, Meat Packing Plants, Milkrooms, Motels, Nursing Homes, Rabbit Hutches, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation Equipment (e.g., buses, boats, planes, ships, trains, trucks), Utilities, Warehouses

ACTIVE INGREDIENT:

Cyfluthrin: 6.0%

OTHER INGREDIENTS: 94.0%

TOTAL: 100.0%

EPA Reg. No. 499-304

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCIÓN

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

See inside [[booklet]/[back panel]] for insects and use sites, **First Aid, Precautionary Statements, Directions for Use, and Storage and Disposal.**

NET CONTENTS:

BASF Agricultural Solutions US LLC
2 TW Alexander Drive
Research Triangle Park, NC 27713

BASF
We create chemistry

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • 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 eyes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to do so by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), you may contact BASF Agricultural Solutions US LLC (hereafter "BASF") at 1-800-832-HELP (4357), twenty-four (24) hours per day seven (7) days per week.</p>	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. 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.

Environmental Hazards

This product is extremely toxic to fish and aquatic invertebrates.

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water by cleaning of equipment or disposal of wastes. **DO NOT** apply when weather conditions favor drift from treated areas.

Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on this label.

[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.]

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

Use Restrictions

- **DO NOT** allow children or pets to contact treated surfaces until spray has dried.
- **DO NOT** use on household pets. Remove from premises or tightly cover fish tanks and disconnect aerators when applying indoors where such containers are present.
- **DO NOT** apply the product into fish pools, ponds, streams, or lakes.
- **DO NOT** apply to humans, their clothing, or bedding.
- **DO NOT** apply to classrooms when in use.
- **DO NOT** apply this product in patient rooms while occupied or in any rooms while occupied by the elderly or infirm.
- **DO NOT** apply in aircraft cabins.
- **DO NOT** contaminate food, feedstuffs, water supply, food preparation surfaces, kitchen utensils, dishes, or feed storage containers. Cover any food/feed contact surfaces and cooking utensils in the treatment area during treatment or thoroughly clean before using.
- **DO NOT** use in outdoor residential misting systems.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** spray where electrical short circuits might result (e.g., wall outlets, conduits.)
- **DO NOT** apply water-based sprays of this product to conduits, motor housing, junction and switch boxes, or other electrical equipment because of possible shock hazard.
- **DO NOT** make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- **DO NOT** apply soil or foliar applications by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish farm ponds.
- **DO NOT** apply or irrigate to the point of run-off.

- **DO NOT** apply directly to impervious horizontal surfaces (e.g., sidewalks, driveways, patios) except as a spot or **Crack & Crevice™** treatment.
- **DO NOT** apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitats can occur, except as directed by this label.
- **DO NOT** allow to enter indoor or outdoor drains.
No permita la entrada a desagües internos o externos.



- **DO NOT** allow the product to enter any drain during or after application.
- Follow proper disposal procedures on this label. *Siga las indicaciones del etiquetado para el desecho apropiado del producto.*

All outdoor spray applications must be limited to spot or Crack & Crevice treatments only, except for the following permitted uses:

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

Resistance Management

This product contains a **Group 3** (cyfluthrin) insecticide. Any insect population may contain individuals naturally resistant to this product and other **Group 3** insecticides. The resistant individuals may dominate the insect population if these insecticides are used repeatedly in the same areas. Appropriate resistance management strategies should be followed. For further information or to report suspected resistance contact BASF representatives at 1-800-832-HELP (4357).

Product Information

This product is a flowable microencapsulated concentrate containing 0.5 lb of cyfluthrin per gallon. It may be used on any surface which will not be damaged or stained by water. Heavy applications may leave a visible deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

In situations where conventional application methods have not or are not likely to provide adequate coverage, foam generating equipment (or similar machines) can be used to provide a continuous coverage. Use drier foam inside wall void spaces to avoid any water damage or electrical short circuits. Refer to the **Foam Application Use Directions** section of this label.

Mixing Instructions

SHAKE WELL BEFORE USING

Thoroughly clean spray equipment before using. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of concentrate. When emptying the bottles, triple rinse with water, shake well and add the rinsate to the spray tank. Add the rest of the water and agitate the sprayer thoroughly.

Agitate sprayer occasionally during use to ensure even mixture. Shake or reagituate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. If spray screens are used, they should be 50 mesh or larger.

Spray Dilution Chart		
Amount of Finished Spray (Gallons)	Spray Concentration	
	0.05% Spray	0.10% Spray
1	1.0 fl oz	2.0 fl ozs
3	3.0 fl ozs	6.0 fl ozs
5	5.0 fl ozs	10.0 fl ozs
10	10.0 fl ozs	20.0 fl ozs

The higher rate should be used for clean-outs, for longer residual control, or for high insect infestations.

Application Types

Void Space and Crack & Crevice Applications

Treat surfaces to ensure thorough coverage but avoid runoff. To treat insects harbored in void spaces and in cracks and crevices, make applications in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

Apply with equipment designed for void space applications and follow the manufacturer's recommendations for proper equipment set up and operating pressures.

- Place the tip of the applicator at or into the crack or crevice to be treated.
- Apply product in short bursts while keeping tip in position.
- Allow the air stream to push insecticide deep into void spaces.

Spot Treatments

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

Foam Applications

This product can be converted to a foam and the foam used to treat structural void spaces to control insect and arthropod pests in walls, under slabs, or in other void spaces. Apply as a dry foam (approximately 25:1). Fill void space with foam so all surfaces are contacted.

Mix end-use dilution with manufacturer's recommended volume of foaming agent. Use the recommended rate suspension converted to a foam to achieve the desired foam expansion ratios. Before treatment, verify the foaming agent is compatible with this product.

Indoor Treatments

Use where insects may be hiding, living, and breeding. Apply as a **Crack & Crevice™** or spot treatment.

Dilute concentrate to 0.05% or 0.10% with water using the **Spray Dilution Chart**.

Refer to the section **Indoor Treatments in Food/Feed Handling Establishments** when applying in food/feed areas of food/feed handling establishments, restaurants, or other areas where food/feed is commercially prepared or processed. Non-food/feed areas in food/feed handling establishments include, but are not limited to, areas such as garbage rooms, restrooms, entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

ANTS: Inject cracks, crevices, and void spaces where ants may be traveling and/or harboring including, but not limited to, around doors, window frames, and other structural cracks, crevices, and voids. Spot treatment of trails and feeding areas may also be made.

BED BUGS: Apply to cracks and crevices where evidence of bed bugs occurs. This includes, but is not limited to, bed frames, box springs, inside empty dressers and clothes closets, carpet edges, high and low wall moldings, and wallpaper edges. **DO NOT use this product on mattresses, pillows, bed linens, or clothes.** Remove all clothes and other articles from dressers or clothes closets before application. If evidence of bed bugs is found in/on mattresses, use products approved for this use. Allow all treated areas to dry thoroughly before use. This product is recommended for use as sole protection against bed bugs.

CARPET BEETLES (Dermestids): Treat along and under edges of carpet, furniture, throw rugs, and as a **Crack & Crevice** application in closets and other shelving where infested items are stored. **DO NOT treat clothing with this product.** Repeat application as necessary, but not more than twice per week at least 3 days apart.

CENTIPEDES, COCKROACHES, CRICKETS, DERMESTIDS, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS, SPIDERS: Make spot and/or **Crack & Crevice** treatments into hiding places, including but not limited to, cracks and crevices, void spaces, moist areas, openings around pipes and sinks,

and under refrigerators. Repeat as necessary, but not more than twice per week at least 3 days apart.

FLIES: Make spot applications on surfaces where flies rest in the dark at night or frequent during the day (e.g., ceilings, screens, trash cans, upper wall surfaces, window frames).

STORED PRODUCT PESTS (exposed adult and immature stages): Before storing products, treat warehouses, production facilities, storage areas, rail cars, truck beds, and other areas where products are stored. Apply as a spot and/or **Crack & Crevice** treatment to cracks, crevices, and surfaces where pests have been seen or may have harborage. This product may be used to treat grain storage facilities and other listed areas for stored product pest control. Cleaning areas prior to use of this product will increase levels of control. Any foodstuffs infested with pests should be removed and destroyed.

TICKS: Apply as a spot and/or **Crack & Crevice** treatment in infested and egg laying areas, including but not limited to, pet resting quarters, nearby cracks and crevices, behind baseboards, and door and window frames. Replace old pet bedding with clean fresh bedding after treatment. **DO NOT treat pets with this product.** Repeat application as necessary, but not more than twice per week at least 3 days apart.

Indoor Treatments in Food/Feed Handling Establishments

Applications are permitted in food/feed areas of food/feed handling establishments as a general surface application, spot treatment, or **Crack & Crevice** treatment. Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared, or served. Food/feed areas include, but are not limited to, areas for receiving, storing, packing (e.g., canning, bottling, wrapping, boxing), preparing, edible waste storage, and enclosed processing systems (e.g., mills, dairies, edible oils, syrups) of food. Serving areas (when food is exposed and the facility is in operation) are also considered food areas.

General Surface Application

- **DO NOT** apply as a general surface application in the food/feed handling areas of the facility when the facility is in operation or foods are exposed.
- **DO NOT** apply directly to food products.

Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias, and similar facilities, wash all equipment, benches, shelving, and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot and Crack & Crevice Applications

Spot or **Crack & Crevice** treatments may be made while the facility is in operation; however, food should be covered or removed from area being treated. **DO NOT** apply

directly to food or food handling surfaces. This product may be used in federally inspected meat and poultry plants.

Indoor and Outdoor Treatments

Unless otherwise noted, select one of the following dilutions, 0.05% or 0.10%, for insects listed below. Refer to **Spray Dilution Chart**.

BEES, WASPS, AND YELLOWJACKETS: As a preventative or remedial treatment to help prevent these insects from building nests or workers from congregating on structures, follow **PERIMETER TREATMENT** directions under **Outdoor Treatments** section of label. Pay particular attention to soffit and eave areas.

For treatment of a yellowjacket or wasp nest, liberally treat the nest, including inside the nest for yellowjackets, and the surrounding area. For treatment of nests inside wall voids, inject into the nest a sufficient quantity to treat the complete nest. More than one point of application maybe required. Most applications should require no more than 1/2 gallon of diluted material. Pay particular attention to what the dilution may contact (e.g., electrical wiring).

DO NOT use where there is a shock hazard.

THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCK-DOWN. THE BEST TIME TO TREAT IS LATE IN THE DAY. COLONY SHOULD BE DEAD IN 2 TO 3 DAYS. DEPENDING ON THE SITUATION, PROTECTIVE EQUIPMENT FOR THE APPLICATOR MAY BE REQUIRED.

CARPENTER ANTS: Make spot and/or **Crack & Crevice™** applications to any trails, inside or outside around doors and windows, and other places where ants enter premises. Areas which may be treated include, but are not limited to, atriums, ceilings, crawl spaces, garages, soffits, wall voids, weep holes, and other void space areas. Where possible, treat ant nest or infested wood directly. Repeat application as necessary, but not more than twice per week at least 3 days apart.

HIBERNATING STAGES OF ASIAN LADY BUGS, BOXELDER BUGS, CLOVER MITES, CLUSTER FLIES, AND ELM LEAF BEETLES: Inject cracks, crevices, and/or void spaces where these insects may be harboring or hibernating. Infested areas include, but are not limited to, cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Treat wall area around entry points on exterior where insects congregate. Repeat application as necessary, but not more than twice per week at least 3 days apart.

Wood Destroying Insects

LOCALIZED TREATMENT OF WOOD-INFESTING INSECTS: Beetles and Borers (e.g., Anobiidae, Bostrichidae, Buprestidae, Cerambycidae, Lyctidae, Oedemeridae, Sesiidae, and Termites): Locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, galleries, and inaccessible closed void spaces. Drill holes 8 to 10" apart to ensure

thorough coverage. Use the 0.05% or 0.10% rate. Inject 5 to 10 seconds per hole. **DO NOT contact electrical wiring, plumbing, etc.**

TERMITES: To inhibit termite infestations, treat exposed tubing, cracks or cold joints in concrete, or other structural interstices. Use a 0.125% rate (i.e., 2.5 fl ozs of concentrate per gallon of water.) Treatment of exposed surfaces should be done to cover exposed surfaces thoroughly but avoid excess run-off.

This type of application is intended to be a supplemental treatment for control of drywood and above ground subterranean termites and other wood-infesting insects. It is not intended to be a substitute for soil treatment or for extensive infestation of drywood or other wood-infesting insects. **To treat for severe infestations or for treatments under slabs, in basements and buildings with insufficient crawlspace, use a registered termiticide.**

Outdoor Treatments

SHAKE WELL BEFORE USING

KILLS: Ants, Asian Lady Bugs, Boxelder Bugs, Carpenter Ants, Carpenter Bees, Carpet Beetles, Centipedes, Clover Mites, Cluster Flies, Cockroaches, Crickets, Dermestids, Earwigs, Elm Leaf Beetles, Fleas, Flies, Grasshoppers, Millipedes, Mosquitoes, Psocids, Scorpions, Silverfish, Sowbugs, Spiders and Ticks

Use this product at the 0.05% or 0.10% rate as a residual treatment on outdoor surfaces and/or as a crack, crevice, and void space treatment of buildings, porches, window frames, eaves, patios, garages, garbage dumps, and other areas where pests congregate or enter premises. Repeat treatment as necessary to maintain effectiveness, but not more than twice per week at least 3 days apart. Additionally, this product can be used as a residual treatment to control pests in outdoor void space areas such as meter boxes and manholes. Repeat treatment as necessary, but not more than twice per week at least 3 days apart.

PERIMETER TREATMENT: To help prevent infestations of buildings, apply a perimeter treatment. Treat a band of soil 6 to 7 feet wide around and adjacent to the building. Also treat the building foundation where pests are active and may find entrance to a height of 2 feet above impervious surfaces and 3 feet above pervious surfaces. Treat other insect entry points, including but not limited to, doors, windows, under siding and eaves of structure.

This product may be applied in compressed air, backpack, or power spray equipment. An application rate of 0.5 to 1.0 fl oz/ 1,000 ft² is desirable. Apply in sufficient water to adequately cover the area being treated. Application should be made in such a manner to limit dripping and runoff on structural surfaces and plants. Alternate directions are to use 4 to 8 fl ozs/50 gallons of water.

Suggested Mixing Chart for Larger Tank Sizes	
Tank Size (Gallons)	Suggested Amount of Concentrate per Tank (fl ozs)
15	1.5 to 2.5
25	2.0 to 4.0
50	4.0 to 8.0
100	8.0 to 16.0

CARPENTER BEES: Locate entrance holes. Treat galleries through entrance holes. Seal bee entrances after application.

CRAWLING INSECTS (including, but not limited to, Ants, Cockroaches, Crickets, Earwigs, Sowbugs, Scorpions): Apply to cracks and crevices where insects may enter premises. Areas to be treated include, but are not limited to, weep holes, under siding, wall space voids, soffits, around attic vents, cracks and crevices, and openings around windows, doors and pipes. Treatment of localized infestations is also permitted in outdoor areas which are landscaped, planted, mulched or unmaintained. This includes treatment of infested fences and tree holes. For ants, treat mounds and runways. Repeat applications as infestation warrants and as reinfestations occur.

FLEAS: Treat infested areas. This product will kill fleas on contact but does not provide residual control.

FLIES: Treat outside surfaces of screens, doors, window frames, or wherever flies enter. Treat surfaces on porches, in garages, and other places where insects light or congregate. Treat normal fly resting areas including, but not limited to, ceilings, upper corners of the area, around windows and doors, and other surfaces. Treat inside and outside surfaces of dumpsters and other trash holding containers and trash storage areas. Treat so as to lightly moisten the target surface. For best results, begin treatments at the start of the fly season and repeat during periods of heavy fly activity. Repeat treatment as necessary to maintain effectiveness, but not more than twice per week at least 3 days apart.

MOSQUITOS: To control adult mosquitoes, use handheld, back-pack, or truck mounted sprayers only. Use up to 150 gallons of diluted spray per acre.

- **DO NOT** use in wide area local, state, or federal mosquito control programs.
- **DO NOT** use with truck mounted cold aerosol ULV sprayers, hand-held cold aerosol ULV sprayers, or thermal fogging devices.
- **DO NOT** apply by aircraft.
- **DO NOT** apply through any kind of irrigation and/or lawn sprinkler systems.

Treat shrubbery, vegetation, and other areas where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds, and shorelines may be treated if applied as a wet spray. **DO NOT apply this product directly to any body of water.**

SCORPIONS: Remove accumulations of lumber, firewood, and other materials which serve as harborage sites. Before stacking firewood or lumber, apply this product as a residual spray to surfaces immediately below such materials. Band treatment may also be helpful in reducing pests immigrating from surrounding areas.

Yellowjacket Control Outdoors

BAIT PREPARATION AND DISPENSER DISTRIBUTION: To 100 grams of bait matrix, add 2.0 grams of concentrate. Mix thoroughly. This amount of bait is sufficient for one dispenser. Mix only enough bait for immediate use in the desired number of dispensers. **DO NOT** mix more than the recommended amount of concentrate to the desired bait or yellowjacket avoidance may occur.

Add bait to each dispenser until it reaches about midway between the container bottom and the access holes. Hang the dispenser, preferably in a sunny location, from a tree limb or other suitable support around the periphery of the area to be protected. Hang at heights inaccessible to children and pets.

Since the bait is meat based, wildlife may be attracted to it. Placement of the bait and how the dispenser is attached should be such to make it difficult for it to be removed or consumed by wildlife. Attaching the bait dispenser to the surface in two places so it cannot be beat around or easily removed is recommended if wildlife is a concern. For best results, use 3 to 4 dispensers/acre or place them about 100 feet apart.

REAPPLICATION AND BAIT LONGEVITY: Replenish dispensers with fresh bait as long as yellowjackets are present. Unused bait will probably be unattractive to yellowjackets after a few days, especially if temperatures are above 90°F. If possible, stir bait once each day before yellowjacket activity begins in order to bring fresh bait to the surface. If pest yellowjackets reappear in late summer, retreat the area.

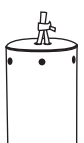
Properly dispose of any unused or stale bait. **DO NOT** reuse dispensers for any other purpose.

BAIT ATTRACTIVENESS: Attractiveness of baits to yellowjackets is highly variable and is dependent on many factors (e.g., stage of reproductive cycle, type of bait, quality of bait.) Before using this product, it is recommended that bait preference be determined by placing several candidate baits in allocation where yellowjacket activity is occurring. By observing the visitation frequency for a short time, preference will become apparent.

BAIT DISPENSER: In a 4 to 6 oz non-food container with a removable top, drill 3 to 6 holes 5/8" to 11/16" in diameter around the top of the container and 2 small holes (for attaching wire) in the top.

DISPENSER MARKING: Mark dispenser with at least the following information:

CAUTION. Contains bait mixed with Whitmire Optem PT 600 Microencapsulated Insecticide [ABN], (Cyfluthrin) EPA Reg. No. 499-304



BAIT SOURCES AND SUGGESTIONS: This product is recommended for use with any of the attractants from the categories listed below. In order to maximize efficiency, particles of the selected bait should be reduced to 1/8" diameter or smaller. If any bait is dry after preparation, add sufficient water to increase the total moisture content.

Canned Pet Foods: Cat food containing fish is generally the most attractive bait, although meat and poultry products are usually suitable.

Fresh Meat, Fish, and Poultry: Hamburger or salmon is generally the most attractive bait. The selected product should be cooked until the red color barely disappears. Some products, like red salmon, will retain a red color even after cooking. All traces of free grease should be removed.

Canned Meat, Fish, Poultry and Processed Meats (e.g., cold cuts, ham): These products are often very attractive to yellowjackets and need not be cooked.

[NOTE to PM: The entire Law and Ornamental Plants section of this label may be print restricted. As such, there is an 'open' bracket in front or "Lawn" with the 'close' bracket located at the end of the text "**DO NOT** treat vegetable gardens.]

Lawn and Ornamental Plants

FOR USE INDOORS AND AT RESIDENTIAL OUTDOOR SITES ONLY: Hobby Greenhouses, Interiorscapes, Landscapes, Lawns, and Residential Lawns

- **DO NOT** treat vegetable gardens.
- **DO NOT** use in commercial greenhouses and nurseries.
- **DO NOT** apply when the wind speed is greater than 15 mph.

SHAKE WELL BEFORE USING

KILLS: Ants, Aphids, Armyworms, Bagworms, Bees, Beetles, Billbugs (adults), Boxelder Bugs, Caterpillars, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Firebrats, Flies, Fruitworm, Fungus Gnats, Fungus Gnat Larvae, Grasshoppers, Japanese Beetle (adults), Lace Bugs, Leafminers, Leafrollers, Loopers, Mealy Bugs, Millipedes, Mosquitoes, Pillbugs, Plant Bugs, Psylla, Scale Insects, Scorpions, Sod Webworms, Sowbugs, Spiders, Tent Caterpillars, Thrips, Ticks, Wasps, and Yellowjackets

For trees, shrubs, foliage plants, and flowers in outdoor landscaped areas (e.g., parks, recreational areas, athletic fields, institutional groups) and indoor landscaped areas (e.g., in hotels, shopping malls, office buildings) where these plants are grown. This product also controls designated pests in home lawns. It can also be used in areas adjacent to or at the edge of landscaped areas to control encroaching pests such as ticks. Apply specified rate, at lawn use dosage, to tall grass or weeds, under brush and trees, or in areas of no maintenance.

LAWNS (Residential Sites Only): Use a coarse, low-pressure spray using suitable application equipment. Use 0.5 to 1.0 fl oz/1,000 ft².

ORNAMENTALS: Treat upper and lower foliage surfaces of plants uniformly. Use 4 to 6 fl ozs/100 gallons of water.

PLANT SAFETY NOTICE

This product has been tested on a wide variety of plants and has demonstrated excellent plant safety. However, not all varieties or strains of the plants listed have been tested. Unintentional consequences such as crop injury or ineffectiveness may result because of certain environmental or growing conditions, manner of use or application, and insect resistance. Therefore, before treating a large number of plants, spray a few plants and observe for plant damage and for performance prior to full scale application. All risks shall be assumed by the user.

Direct treatment to some open blooms may cause petal drop.

FOR INDOOR AND OUTDOOR USE ON (but not limited to):

Bedding plants (including): Dahlia, Garden Mums, Geraniums, Impatiens, Marigolds, New Guinea Impatiens, Petunias, Verbena

Cut flowers (including): Carnations, Chrysanthemums, Orchids, Roses, Snapdragons

Flowering hanging baskets (including): Fuchsia, Lantana

Foliage (including): Boston Fern, Dracaena, Ficus, Philodendron, Schefflera

Potted flowering plants (including): African Violets, Begonias, Calceolaria, Chrysanthemums, Cineraria, Cyclamen, Exacum, Florist's Azaleas, Geraniums, Gloxinia, Hibiscus, Kalanchoes, Lilies, Poinsettia

Trees & shrubs (including): Azalea, Barberry, Cotoneaster, Euonymus, Holly, Ivy, Juniper, Oak, Pine, Rhododendron, Roses, Spiraea, Spruce, Virburnum, Yew

Use In and Around Livestock Housing

This product may be used in and on outside surfaces of livestock and other buildings. Remove all animals prior to making application to housing.

- **DO NOT** apply to lactating or food animals.
- **DO NOT** contaminate milk, food, or drinking water.
- **DO NOT** apply or allow insecticide to drift onto animals.
- **DO NOT** allow animals to enter treated areas until surfaces are dry.

HOUSE FLIES AND STABLE FLIES: For residual control on outdoor surfaces and in animal areas (e.g., calf hutches, calving pens, dairy areas, dog kennels, empty chicken houses, hog barns, horse barns, milkrooms, parlors, and rabbit hutches). Treat normal fly resting areas including, but not limited to, ceilings, screens, upper corners of the area,

around windows and doors, light fixtures, and other surfaces known to attract flies. Apply as a coarse, wet spray. Using a mixture of 1 fl oz of concentrate per gallon of water, apply at a rate of 1 gallon diluted product per 1,000 ft² of surface. For best results initiate treatments at the beginning of the fly season and repeat during periods of heavy fly activity. Treat no more than twice per week and at least 3 days apart.

PERIMETER TREATMENT: For control of other pests and to help prevent infestations of buildings, treat a band of soil 6 to 7 feet wide around and adjacent to the building. Also, treat the building foundation and sides where pests are active and may find entrance. Treat insect entry points (e.g., doors, windows, under siding and eaves of structure). This product may be applied in compressed air, backpack, or power spray equipment. An application rate of 1.0 fl oz concentrate per 1,000 ft² is desirable. Apply in sufficient water to adequately cover the area being treated. Application should be made in such a manner to limit dripping and run-off on structural surfaces and plants.

STORAGE AND DISPOSAL
<p>DO NOT contaminate water, food, or feed by storage or disposal.</p> <p>Pesticide Storage: Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides or fertilizers. DO NOT store above 122°F for extended periods of time. The preferred storage temperature is above 32°F. Storage below 32°F may result in product solidification. If the product is warmed to above 32°F it will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.</p> <p>Pesticide Disposal: DO NOT pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.</p> <p>Wastes resulting from use of this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.</p> <p>Container Handling Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.</p>

(continued)

STORAGE AND DISPOSAL (continued)
<p>Container Handling (continued) Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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 1/4 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.</p> <p>Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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.</p> <p>Pressure rinse as follows: Empty the remaining contents into application equipment or 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.</p>

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF Agricultural Solutions US LLC ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND BASF'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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BASF Agricultural Solutions US LLC
2 TW Alexander Drive
Research Triangle Park, NC 27713


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