

BETA-CYFLUTHRIN GROUP 3A INSECTICIDE

Tirade™

ULTRA WP



Contains beta-cyfluthrin, the active ingredient used in Tempo® Ultra WP.

For broad-spectrum control of crawling, flying, and wood infesting insect pests for indoor and outdoor surfaces, as well as insect pests of trees, landscape ornamentals, and residential and commercial lawns.

ACTIVE INGREDIENT:	(% by weight)
Beta-Cyfluthrin, Cyano (4-fluoro-3-phenoxyphenyl) methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclo-propanecarboxylate	10.0%
OTHER INGREDIENTS:	90.0%
TOTAL	100.0%

EPA Reg. No.: 91234-289

**STOP - READ THE LABEL BEFORE USE.
KEEP OUT OF REACH OF CHILDREN
CAUTION**

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

See below for additional Precautionary Statements.

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 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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.
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 the poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

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

Tirade™ Ultra WP is not manufactured, or distributed by Bayer Environmental Science, seller of Tempo® Ultra WP



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

CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. **DO NOT** get in eyes, on skin, or on clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and warm water after handling. Remove contaminated clothing and wash before reuse. Wear safety glasses, goggles, or face shield when handling the undiluted material. **DO NOT** allow people or pets to enter treated areas until surfaces are dry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Remove from premises or tightly cover fish tanks and disconnect aerators when applying indoors where such containers are present. 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.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. **DO NOT** apply **Tirade Ultra WP** or allow it to drift onto crops or weeds on which bees are actively foraging. Additional information may be obtained by consulting your Cooperative Extension Service.

Physical or Chemical Hazards

Do not mix or allow to come into contact with any oxidizing agent. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

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

IMPORTANT: Read entire label and Limitations of Warranty and Liability before using this product.

For both indoor and outdoor use.

PRODUCT FACTS	
<ul style="list-style-type: none"> • Quick Knockdown & Residual Control • Low Odor • Non-staining • No phytotoxicity on a wide range of ornamentals 	
Tirade Ultra WP	<ul style="list-style-type: none"> • Wettable powder containing 10% beta-cyfluthrin
CONTROLS	<ul style="list-style-type: none"> • Indoor Pests <ul style="list-style-type: none"> o General Household Pests o Pantry and Stored Product Pests o Food Processing Pests • Outdoor/Perimeter Pests • Wood-Infesting Pests • Turf and Ornamental Pests <p>For list of specific insects, see inside.</p>
WHERE TO APPLY	<ul style="list-style-type: none"> • Apply where pests have been seen or found, or can find shelter. • In and around buildings and structures • On residential, commercial and recreational areas of turf • On ornamentals in landscapes and interior plantscapes
COVERAGE	<ul style="list-style-type: none"> • Makes up to 42 gallons of finished spray solution for indoors. (420 g size) • Treats up to 84,000 square feet outdoors. (420 g size)
MIXING INFORMATION	<ul style="list-style-type: none"> • Mix the appropriate amount of Tirade Ultra WP with water. • May tank mix with other pesticides currently registered for similar uses, unless specifically prohibited.
HOW TO APPLY	<ul style="list-style-type: none"> • General surface, spot, mist, or crack & crevice application. • Broadcast application to turf and foliar application to ornamentals.
RE-APPLY	<ul style="list-style-type: none"> • Every 7 to 10 days, if needed. • For turf, reapply if needed, but not more than 6 times per year.

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APPLICATION RESTRICTIONS	<ul style="list-style-type: none"> • DO NOT apply or irrigate to the point of run-off. • Treat surfaces to ensure thorough coverage but avoid runoff. • DO NOT make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). • Rainfall within 24 hours after application may cause unintended runoff of pesticide application. • DO NOT apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack & crevice treatment. • All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack & crevice treatments only, except for the following permitted uses: <ol style="list-style-type: none"> 1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation; 2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn); 3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure; 4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch; 5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level; 6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters • To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants. • DO NOT spray the product into fish pools, ponds, streams, or lakes. DO NOT apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. • DO NOT allow the product to enter any drain during or after application. • Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.). • For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds. • Do not apply when the wind speed is greater than 15 mph.
RE-ENTRY	<ul style="list-style-type: none"> • Avoid contact with treated surfaces until dry. • People and pets may re-enter after the treated area is dry.
QUESTIONS	<ul style="list-style-type: none"> • For questions or comments call 984-465-4800

Resistance Management

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

To delay insecticide resistance, take the following steps:

- Rotate the use of **Tirade Ultra WP** or other group 3A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the insecticide Resistance Action Committee (IRAC):
 - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pests.
 - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist of certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800.

STRUCTURAL PESTS

FOR RESIDUAL PEST CONTROL IN AND AROUND BUILDINGS, STRUCTURES, FOOD/FEED HANDLING ESTABLISHMENTS, AND MODES OF TRANSPORT.

Use **Tirade Ultra WP** as a general surface, spot, mist, or crack & crevice treatment in and around buildings and structures: schools, factories, stores, warehouses, hospitals, food processing facilities, and modes of transport. For a list of common facilities where this product may be used, see Appendix.

INDOOR PESTS

GENERAL PEST

Crawling Pests

Ants (except Pharaohs)	Cluster flies	Kudzu bugs
Bed bugs	Cockroaches	Millipedes
Boxelder bugs	Crickets	Multicolored Asian lady beetles
Brown marmorated stink bugs	Darkling beetles	Pillbugs
Carpet beetles	Earwigs	Seed bugs
Centipedes	Elm leaf beetles	Silverfish
Clothes moths	Firebrats	Sowbugs
		Spiders

Flying Pest

Flies	Hornets	Phorid flies
Fruit flies	Midges	Sciariid flies
Gnats	Moths	Wasps
		Yellowjackets

PANTRY & STORED PRODUCT PESTS

Beetles (exposed adults & immature stages)

Cadelle	Hide	Mealworm
Cigarette	Larder	Red flour
Confused flour	Leather	Rice weevil
Dermestid	Lesser grain borer	Sawtoothed grain
Drugstore	Lesser mealworm	Warehouse
Granary weevil	Merchant grain	

Moths

Indian meal
Mediterranean flour

WHERE TO APPLY	Apply where pests have been seen or found, or can find shelter. Use a general surface, spot, mist, or crack and crevice application.
USE RATE	<p>0.025% -- 10 g (2 scoops) /gallon water 0.05% -- 20 g (4 scoops) /gallon water</p> <ul style="list-style-type: none"> Use high labeled rate for severe infestations, fast knockdown, and long residual. Always use the high labeled rate for bees, wasps, yellow jackets, and hornets.
HOW TO APPLY (Also see APPLICATION FOR INDOOR PESTS)	<ul style="list-style-type: none"> Remove or tightly cover fish tanks and disconnect aerators during application. Remove pets during application and until treated surfaces are completely dry. Avoid contact with treated surfaces until dry. Wear safety glasses, goggles, or face shield, and a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters when treating overhead areas. Overhead areas are to be treated by certified applicators or persons under their direct supervision only. <p><u>General Surface Applications</u></p> <ul style="list-style-type: none"> Use a low-pressure system (DO NOT exceed 50 psi at nozzle tip), with a fan-type nozzle to apply the dilution uniformly. In the home, cover or thoroughly wash all food processing surfaces and utensils following treatment. Cover exposed food or remove from area being treated. <p><u>Spot, Mist, or Crack & Crevice Applications</u></p> <ul style="list-style-type: none"> Apply directly into voids, cracks & crevices using spray or foam equipment. Spray: Use a low-pressure system (DO NOT exceed 50 psi at nozzle tip), with a pinpoint or variable pattern nozzle or applicator equipment that delivers low volume treatments. Foam: Use appropriate foam-generating equipment to supply a sufficient volume of foam. Mix the dilution with manufacturer's recommended volume of foaming agent.
WHEN TO APPLY	<ul style="list-style-type: none"> When pests are seen or found Re-apply every 7 to 10 days if needed.

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MIXING INFORMATION	<ul style="list-style-type: none"> • Add product when filling spray tank with water; shake or agitate mixture. • Diluted spray mixture can be stored overnight. Agitate before using. • Can be tank mixed with other pesticides currently registered for similar uses. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products. • It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. DO NOT exceed label rates.
RESTRICTIONS	<ul style="list-style-type: none"> • DO NOT treat entire area of floor or floor coverings. • DO NOT apply where electrical short circuits can occur. Use a dust or dry bait in these areas. • DO NOT apply in occupied hospital and/or nursing home rooms. Occupants may return when surfaces have dried. • DO NOT apply in occupied classrooms. • DO NOT apply to furniture or upholstery where prolonged contact by humans will occur. • DO NOT apply as a space spray

ADDITIONAL DIRECTIONS FOR FOOD AND FEED HANDLING ESTABLISHMENTS

WHERE TO APPLY	<ul style="list-style-type: none"> • Applications may be made to both food/feed and non-food areas of food and feed handling establishments. • Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared, or served: <ul style="list-style-type: none"> o receiving, storing, and packing (canning, bottling, wrapping, boxing) food o preparing food o edible waste storage o enclosed processing systems (mills, dairies, edible oils, syrups) of food. • Serving areas where food is exposed and the facility is in operation are also considered food areas.
USE RATE	<ul style="list-style-type: none"> • Apply as a general surface, spot, mist, or crack & crevice application. 0.025% --10 g (2 scoops) /gallon water 0.05% -- 20 g (4 scoops) /gallon water • Use high rate for severe infestations, fast knockdown, and long residual.
HOW TO APPLY (Also see INDOOR PESTS)	<p><u>General Surface Applications</u></p> <ul style="list-style-type: none"> • Cover or remove all food processing and handling equipment before treatment. • After applying where food is commercially prepared or processed, wash all handling and processing equipment benches, shelving, and other surfaces which food will contact. Rinse thoroughly with clean, fresh water. • DO NOT apply to surfaces in food handling areas when facility is in use or when foods are exposed. • DO NOT apply directly to food. <p><u>Spot or Crack & Crevice Applications</u></p> <ul style="list-style-type: none"> • Spot or crack & crevice application is permitted while facility is in use. • Cover or remove food from area being treated. • DO NOT apply directly to food or food handling surfaces.

APPLICATION FOR INDOOR PESTS

GENERAL HOUSEHOLD PESTS Cockroaches, Crickets, Silverfish, Spiders, and other listed pests	<ul style="list-style-type: none"> • Use a coarse, low-pressure spray. • Treat entry points around water pipes, doors, windows, and eaves. Treat areas where pests normally feed or hide: baseboards, corners, around water pipes, under refrigerators, cabinets, sinks, and stoves, being sure to spray cracks & crevices. Spot treat floor or rugs beneath furniture, in closets, and storage areas, but DO NOT apply to entire floor area. • DO NOT use as a space spray. • IGR Note: This product can be tank mixed with an insect growth regulator (IGR) for extended cockroach control.
ANTS	<ul style="list-style-type: none"> • Apply to ant trails on walls, tile, baseboards, around pipes, under cabinets, and other places where ants are active. • Treat entry points: windows, doors and the outdoor perimeter. • For best results, treat nests when possible.
PANTRY AND STORED PRODUCT PESTS	<ul style="list-style-type: none"> • For best results, clean area before treating. Remove and destroy infested food. Discard food accidentally contaminated with spray. • For cupboards, shelving, or food storage areas: Remove utensils, exposed food, shelf paper, and other items before spraying. When dried, cover shelves with clean paper before replacing items.
COMMERCIAL STORED PRODUCT PESTS	<ul style="list-style-type: none"> • Commercial storage or transportation: Clean and treat warehouses, production facilities, storage areas, grain storage bins, rail cars, truck beds, and other areas where products are stored before filling with the product.
PESTS IN AIRCRAFT	<ul style="list-style-type: none"> • For use only in aircraft cargo holds.
PESTS IN LIVESTOCK HOUSING STRUCTURES (including poultry houses & pet kennels)	<ul style="list-style-type: none"> • Apply as a general surface and/or a crack & crevice spray. • For best results, clean facilities before applying and treat outdoor perimeter areas. • DO NOT apply indoors where animals other than cattle or horses are present. • DO NOT apply to animal feedstuffs or watering equipment.
FLYING INSECTS	<ul style="list-style-type: none"> • Apply to surfaces where pests collect or rest.

OUTDOOR/PERIMETER PESTS		
Ants	Fire ants	Moths
Bees	Firebrats	Pillbugs
Boxelder bugs	Fleas	Scorpions
Brown marmorated stink bugs	Flies	Seed bugs
Carpenter ants	Gnats	Silverfish
Centipedes	Ground beetles	Sowbugs
Cockroaches	Hornets	Spiders
Cluster flies	Kudzu bugs	Ticks
Crickets	Midges	Wasps
Elm leaf beetles	Millipedes	Yellow jackets
	Multicolored Asian lady beetles	
WHERE TO APPLY	<ul style="list-style-type: none"> Apply where pests have been seen or found, or can find shelter. Apply to buildings, garages, fences, and other areas where pests are found. Apply to porches and patios as a spot or crack and crevice treatment. To prevent infestation, treat the building foundation, walls, and around doors, windows, and soffits where pests are active or may enter or hide; also treat the soil, turf, or other substrates adjacent to buildings. 	
USE RATE	<ul style="list-style-type: none"> 10 to 20 g (2 to 4 scoops) /1000 square feet. See Table 1 for mixing directions. For fire ants and flying pests 0.025% --10 g (2 scoops) /gallon water 0.05% -- 20 g (4 scoops) /gallon water Always use the high labeled rate for fire ants, bees, wasps, yellow jackets, and hornets. Use high rate for severe infestations, fast knockdown, and long residual. 	
HOW TO APPLY (also see APPLICATIONS FOR OUTDOOR/PERIMETER PESTS)	<ul style="list-style-type: none"> <u>Perimeter Treatment</u>: To help prevent infestation of structures, treat area adjacent to buildings in a band up to 7 feet wide. Also treat the building foundation to a height of 2 feet in areas where pests are active or can find entrance. Apply just enough dilution to adequately cover the area without excessive dripping or runoff. Volume can vary depending on the surface type treated. For example, mulch requires more spray than bare soil. If mulch is heavy, rake it back to expose soil before treating. Avoid contact with treated surfaces until dry. 	
WHEN TO APPLY	<ul style="list-style-type: none"> When pests are seen or found. Re-apply every 7 to 10 days if needed. 	
MIXING INFORMATION	<ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. Can be tank mixed with other pesticides currently registered for similar uses. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. DO NOT exceed label rates. 	

TABLE 1: MIXING DIRECTIONS FOR OUTDOOR/PERIMETER APPLICATIONS

Application Volume: Gallons/1,000 square feet	Use Rate: Grams/1,000 Square feet	Scoops* of Tirade Ultra WP Diluted to These Volumes of Finished Spray			
		3 Gallons	10 Gallons	15 Gallons	25 Gallons
2	10	3	10	15	25
	20	6	20	30	50
5	10	1	4	6	10
	20	2	8	12	20
10	10	-	2	3	5
	20	-	4	6	10

*1 Level Scoop = 5 grams

Formula for Determining the Percent Concentration in the Finished Spray

$$\frac{\text{(Scoops of Tirade Ultra WP)}}{\text{(Gallons of finished spray) X 75.7}} = \text{Percent Concentration}$$



APPLICATION FOR OUTDOOR/PERIMETER PESTS	
ANTS	<ul style="list-style-type: none"> Locate and treat ant nests, if possible. Follow trails of foraging workers, check under objects near the structure, and inspect other likely nest sites. If ants are nesting in the soil, thoroughly drench or inject the nest and surrounding soil. Treat ant trails around windows and doors, along sidewalks, or other areas where seen. Apply a perimeter treatment as described above.
BEEES, WASPS, YELLOW JACKETS, HORNETS	<ul style="list-style-type: none"> Use Rate: 0.05% concentration Make pin stream applications directly to the nests. To help avoid stings treat nests in the evening when the insects are inside the nest. For best results, check nests within one or two days to ensure complete kill. Remove and destroy treated nests to prevent emergence of newly hatched insects, secondary pest problems, and possible staining from honey. If removal is not possible, retreat nests if necessary.
Occasional invaders: Boxelder bugs, elm leafbeetle, seed bugs, stink bugs, and other listed pests	<ul style="list-style-type: none"> Apply directly to insects that have congregated around doors and windows and similar areas where they may enter structures. Apply perimeter treatment as described above. For best results, treat infested trees and shrubs early in the season. Tree spraying may require an ornamental license – check with your local regulator
CENTIPEDES, MILLIPEDE, PILLBUGS, SOWBUGS	<ul style="list-style-type: none"> Apply perimeter treatment to reduce the number of insects from entering the structure. Thoroughly treat mulched areas. Correcting moisture problems around the structure will reduce pest pressure.
FIRE ANTS	<ul style="list-style-type: none"> Use Rate: 0.05% concentration Thoroughly drench or inject the entire mound. When using injection treatment, you must treat to the bottom of the mound. Apply dilution or foam using a downward and upward motion of the injector tool. For complete distribution, inject in several points throughout the mound. Treat new mounds as they appear. DO NOT use in pastures or areas of food crop production.
FLEAS & TICKS	<ul style="list-style-type: none"> Make a perimeter treatment, concentrating on areas where pets rest or run. For ticks, treat likely harborage areas like along paths, tall grass and other vegetation. For best results, treat the entire area where ticks could be present. Begin treating in the spring. Ticks may be re-introduced from surrounding areas by host animals. Continue treating until frost to control both larvae and adult ticks.
FLIES	<ul style="list-style-type: none"> Use Rate: 0.025% to 0.05% concentration Apply low-volume mist or spray to outside surfaces of buildings, garages, fences, and other areas where flies rest. Apply to porches and patios as a spot or crack and crevice treatment. CLUSTER FLIES: Treat in late summer or fall, just before flies begin looking for winter shelter. Spray siding, eaves, around windows and doors, window screens, and attics. To help reduce infestations, treat cracks & crevices, attics, and other indoor winter hiding places.
MOSQUITOES	<ul style="list-style-type: none"> Spray around landscape plants, turf and ground cover, under decks, around building foundations, and other places where mosquitoes may rest.
SCORPIONS	<ul style="list-style-type: none"> Treat around piles of firewood and other areas where scorpions may hide. When possible, remove piles of materials that can harbor the pests. Apply a perimeter treatment.

WOOD-INFESTING PESTS		
Ambrosia beetles	Old house borer beetles	Subterranean termites
Deathwatch beetles	Powderpost beetles	Formosan termites
False powderpost beetles	Carpenter ants	Drywood termites
	Carpenter bees	
WHERE TO APPLY	<ul style="list-style-type: none"> Apply where pests have been seen or found, or can find shelter. 	
USE RATE	<ul style="list-style-type: none"> 0.05% -- 20 g (4 scoops) /gallon water 	
HOW TO APPLY (also see APPLICATION SECTION)	<ul style="list-style-type: none"> Apply spray or foam as described in application section. Avoid contact with treated surfaces until dry. 	
WHEN TO APPLY	<ul style="list-style-type: none"> When pests are seen or found. Re-apply every 7 to 10 days if needed. 	
MIXING INFORMATION	<ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. Can be tank mixed with other pesticides currently registered for similar uses. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products. Follow the most restrictive of labeling directions and precautions. DO NOT exceed label rates. <u>Foam applications:</u> Mix end-use dilution with manufacturer's recommended volume of foaming agent for 0.025% to 0.05% concentration. 	

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APPLICATION FOR WOOD-INFESTING PESTS	
CARPENTER ANTS	<ul style="list-style-type: none"> • <u>In houses and other structures:</u> Apply around doors and windows and other places where carpenter ants may enter. Spray or foam into cracks & crevices, or spray, mist or foam through small drilled holes into voids where ants or nests are present. Use enough spray or foam to cover the area. DO NOT exceed 1 gallon of dilution per 1000 square feet. • <u>Inside trees, utility poles, fencing and decking materials, and similar structural members:</u> Drill to find the interior infested cavity and inject dilution or foam using an appropriate treatment tool with a splashback guard. • <u>Tunneling in soil:</u> Apply as a soil drench or inject the dilution or foam in the soil at intervals of 8 to 12 inches. Use 1 gallon of dilution per 8 square feet. Establish a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces. • <u>Protecting firewood from carpenter ants:</u> Treat soil beneath firewood before stacking at 1 gallon of dilution per 8 square feet. • DO NOT treat firewood with this product.
CARPENTER BEES	<ul style="list-style-type: none"> • <u>In structures:</u> Spray or foam directly into gallery entrance holes. Leave entrance open for 24 hours to be sure that returning adult bees are killed. Exterior wood services may be treated by general surface application to prevent nest cavity excavation by adult carpenter bees.
WOOD-INFESTING BEETLES	<ul style="list-style-type: none"> • On surfaces in homes, apartments, and other structures. • For small areas, brush or spray evenly on wood surfaces. • For large or overhead areas, thoroughly cover wood surfaces with a coarse spray. • Protect surfaces below the treated area from accidental dripping by covering with disposable plastic sheeting or other material that can be thrown away after treatment. • <u>In localized areas:</u> Apply dilution or foam to voids and galleries in damaged wood, in spaces between wooden structural members, and between the sill plate and foundation. Apply to inaccessible areas by drilling, and then injecting, spraying, or misting the dilution or foam into the damaged wood or wall voids.
DRYWOOD AND ABOVE-GROUND SUBTERRANEAN TERMITES	<ul style="list-style-type: none"> • Do not use this product as the sole source of control for active, structural infestations by subterranean termites; the purpose of this application is to kill workers or winged reproductive forms of termites which are present at the time of treatment. It is not intended to provide structural pest control. It is not a substitute for mechanical alteration, soil and foundation treatment, but merely a supplement. For active, structural infestations by subterranean termites, this product can only be used to supplement a federally registered conventional product that is registered as a sole source for termite control. This product will not eliminate termite infestations or provide protection against future infestation. • <u>In localized areas:</u> Apply dilution or foam to voids and galleries in damaged wood, to spaces between wooden structural members, and between the sill plate and foundation. Apply to inaccessible areas by drilling, and then injecting, spraying, or misting the dilution or foam into damaged wood or wall voids. • <u>Swarming or reproductive stages:</u> Apply dilution to the swarm or area on which the termites collect. Make applications to attics, crawl spaces, unfinished basements or man-made voids with a coarse fan spray to control exposed reproductive forms of termites. • <u>Above-ground termites inside trees, utility poles, fencing and decking materials, and similar structural members:</u> Drill to find the infested cavity and inject dilution or foam using an appropriate tool with a splashback guard. • <u>Termite carton nests:</u> Inject dilution or foam into building voids or tree cavities using a pointed injection tool. Several injection points to varying depths may be needed. For best results, remove carton nest material when possible. • <u>Protecting firewood from termites:</u> Treat soil beneath firewood before stacking at 1 gallon of dilution per 8 square feet. • DO NOT treat firewood with this product.
TURF PESTS	
Tirade Ultra WP controls designated pests on landscape and recreational turf.	
TURF PESTS	USE RATE
Ants Armyworms Crickets Cutworms Earwigs Grasshoppers Japanese beetles (adult) Sod webworms Ticks (including deer ticks)	5 to 10 grams (1 to 2 scoops) per 1,000 square feet or 7.7 to 15.4 oz per acre Use high rate for severe infestations, fast knockdown, and long residual.
Black turfgrass Ataenius (adult) Bluegrass billbug (adult) Chinch bugs Chiggers Fire ants (aids in control) Fleas Hyperodes weevil (adult) Mole crickets Scorpions	10 grams (2 scoops) per 1,000 square feet or 15.4 oz per acre

(continued)

TURF PESTS (continued)	
WHERE TO APPLY	<ul style="list-style-type: none"> For use on landscape and recreational turfgrass. Not for use on turf grown for research, commercial seed production, sale, or other commercial use. Not for use on golf course turf. Apply where pests have been seen or found, or can find shelter. Permitted areas are home lawns, business complexes, apartment buildings, airports, cemeteries, parks, playgrounds, recreational fields, institutional grounds, athletic fields, and other landscape turf grass.
HOW TO APPLY (Also see APPLICATION FOR TURF PESTS)	<ul style="list-style-type: none"> Use an accurately calibrated sprayer. Apply uniformly using spray nozzles with a coarse droplet size such as flood jet nozzles. Keep children and pets off treated areas until lawn has dried.
WHEN TO APPLY	<ul style="list-style-type: none"> Apply when pests first appear. Reapply as needed based on pest re-infestation. DO NOT treat more than 6 times per year. Consult your state Cooperative Extension Office for the specific timing in your area.
MIXING INFORMATION	<ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. Can be tank mixed with other pesticides currently registered for similar uses. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. DO NOT exceed label rates. COMPATIBILITY: Compatible with commonly used fungicides, miticides, liquid fertilizers, and other insecticides. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products.
RESTRICTIONS	<ul style="list-style-type: none"> DO NOT apply this product by aerial application or by any type of chemigation system. DO NOT apply when the average wind speed is greater than 15 mph. DO NOT allow drift onto ponds, streams, or lakes. DO NOT apply when turf grass areas are water logged or the soil is saturated with water (i.e., will not accept irrigation).

APPLICATION FOR TURF PESTS	
ARMYWORMS, CUTWORMS, SOD WEBWORMS	<ul style="list-style-type: none"> DO NOT water or mow for at least 24 hours following application.
BILLBUGS	<ul style="list-style-type: none"> Apply when adults first appear in the spring. In temperate climates, this application will also control overwintering chinch bugs.
CHINCH BUGS	<ul style="list-style-type: none"> For best results, water the turf immediately after application to aid in the penetration of the active ingredient into the thatch layer where chinch bugs dwell.
TICKS (including ticks that transmit Lyme Disease and Rocky Mountain Spotted fever)	<ul style="list-style-type: none"> For best results, treat the entire area where ticks could be present. Begin treating in the spring. Ticks may be reintroduced from surrounding areas by host animals. Continue treating until frost to control both larvae and adult ticks.
ORNAMENTAL PESTS	

Tirade Ultra WP controls designated pests on trees, shrubs, foliage plants, and flowers in outdoor landscaped areas and interior plantscapes where these plants are grown.		
Ants	Grasshoppers	Redhumped caterpillars
Aphids	Gypsy moth larvae	Sawfly larvae
Armyworms	Japanese beetles (adult)	Scale insects (crawler stages)
Azalea Caterpillars	June beetles (adult)	Sowbugs
Bagworms	Lace bugs	Spiders
Black vine weevil (adult)	Leaf-feeding caterpillars	Spittlebugs
Boxelder bugs	Leafhoppers	Striped cucumber beetles
Bristly rose slugs	Leafrollers	Striped oakworms
Budworms	Leaf skeletonizers	Tent caterpillars
California oakworms	Mealybugs	Thrips
Cankerworms	Midges	Ticks (including deer ticks)
Casebearers	Mosquitoes	Tussock moth larvae
Clover mites	Oleander moth larvae	Wasps
Cockroaches	Orchid weevil	Walnut caterpillars
Crickets	Pear psylla	Webworms
Cutworms	Peppertree psyllid	Whiteflies
Elm leaf beetles	Pillbugs	Yellownecked caterpillars
Elm spanworms	Pine shoot moths	
*Emerald Ash Borer (adult)	Pine tip moths	
Flea beetles	Plant bugs	
Flies		
Fungus gnats		

(continued)

ORNAMENTAL PESTS (continued)	
WHERE TO APPLY	<ul style="list-style-type: none"> Use in landscapes and interiorscapes. Permitted areas include: parks, recreational areas, athletic fields, institutional grounds, hotels, malls, office buildings, and airports. Not for use on plants or turf grown for research, commercial seed production, sale, or other commercial use. Not for use in greenhouses or nurseries. Apply where pests are seen, have been found, or can find shelter among trees, shrubs, evergreens, ground covers, flowers, and foliage plants. No phytotoxicity has been observed on a wide range of ornamentals tested under various environmental conditions. If in doubt, first try this product on a small sample.
USE RATES	<ul style="list-style-type: none"> 55 to 190 grams Tirade Ultra WP per 100 gallons of water Use high rate for severe infestations, fast knockdown, and long residual.
HOW TO APPLY (also see APPLICATION FOR ORNAMENTAL PESTS)	<ul style="list-style-type: none"> Apply as a dilute spray just to the point of run-off but DO NOT allow excess run-off. For hard-to-wet foliage such as holly, pine or ivy, adding a spreader/sticker may enhance knockdown and residual activity. For best results, spray thoroughly for good coverage including the underside of leaves for pests that feed or rest there. Spray plants that are in bloom at a time when pollinating insects are not present, such as early morning or late evening.
WHEN TO APPLY	<ul style="list-style-type: none"> Apply when pests first appear. Reapply as needed based on pest infestation. Consult your state Cooperative Extension Office for the specific timing in your area.
MIXING INFORMATION	<ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. Can be tank mixed with other pesticides currently registered for similar uses. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. DO NOT exceed label rates. COMPATIBILITY: Compatible with commonly used fungicides, miticides, liquid fertilizers, and other insecticides. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products.
RESTRICTIONS	<ul style="list-style-type: none"> DO NOT apply to any food crop. DO NOT allow drift onto ponds, streams or lakes.

*For Emerald Ash Borer, make a minimum of two applications per season. The first application should be made in late-May/early June, or when adult beetles begin flying. Subsequent applications should be made approximately one month after the previous application.

APPLICATION FOR ORNAMENTAL PESTS	
ANTS, CRICKETS, SPIDERS, MIDGES, WASPS AND FLIES	<ul style="list-style-type: none"> Apply as a general spray, concentrating on damp areas beneath shrubbery, around foundations, and in areas of tall grass or weeds in ornamental areas and areas adjacent to buildings.
BAGWORMS	<ul style="list-style-type: none"> Spray when bagworms first begin to hatch. If possible, apply directly to the larvae. Young larvae are easier to control.
BLACK VINE WEEVIL (adult)	<ul style="list-style-type: none"> Use rate: 75 to 190 grams per 100 gallons of water. Apply as needed when adults and damage are first noticed in spring and at 3 to 4 week intervals while weevils and notching are observed. Addition of a spreader/sticker at recommended rates may enhance control of insects on certain species of ornamentals having difficult-to-wet foliage.
COCKROACHES	<ul style="list-style-type: none"> Spray hiding or resting places: under shrubbery, in ground covers and mulching materials, in hollow trees.
SCALE (CRAWLERS)	<ul style="list-style-type: none"> Spray thoroughly, including foliage, trunk, limbs, and twigs.

APPENDIX		
Use Tirade Ultra WP as a general surface, spot, mist, or crack & crevice treatment.		
Permitted areas of use in buildings, structures, and modes of transport include:		
<ul style="list-style-type: none"> Apartment buildings Bakeries Bottling facilities Breweries Buses Cafeterias Candy plants Cereal processing and manufacturing plants Correctional facilities Dairies and dairy product processing plants Frozen food plants Grain mills Granaries 	<ul style="list-style-type: none"> Greenhouses (structures only) (non-commercial) Hospitals Hotels Houses Industrial buildings Kitchens Laboratories Livestock housing Pet kennels Manufacturing establishments Mausoleums Meat and produce canneries Nursing homes 	<ul style="list-style-type: none"> Pickle factories Poultry houses Processing and packing plants Restaurants Schools Spice plants Stores Warehouses Wineries and similar structures Transportation vessels: aircraft (cargo areas only), automobiles, buses, trucks, trailers, rail cars, and marine vessels

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

Spills: If the container is leaking or material is spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material.

- **DO NOT** walk through spilled material.
- Dispose of as directed for pesticides above.
- Keep unauthorized people away.

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

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

CONTAINER HANDLING:

Bag: Nonrefillable outer bag. **DO NOT** reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Plastic Container: Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

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

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

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