

# Tirade<sup>TM</sup>

## CS

with EnduraCap Technology

Contains cyfluthrin, the active ingredient used in Cy-Kick® CS.

### Controlled Release Insecticide

This product is intended for use as a surface, spot, crack-and-crevice, or void application in, on, and around buildings and structures and their immediate surroundings, and in trucks, trailers, and other transportation vehicles.

**KILLS:** Ants, Bees, Cockroaches, Crickets, Darkling Beetles, Fire ants, Fleas, Flies, Mosquitoes, Silverfish, Spiders, Termites, Ticks, Yellowjackets, Wasps, Wood Infesting Borers and Beetles.

**FOR USE IN AND AROUND:** Apartments, Campgrounds, Poultry Houses, Food Storage Areas, Homes, Hospitals, Hotels, Restaurants and other Food Handling Establishments, Commercial and Industrial Buildings

### FOR BOTH INDOOR AND OUTDOOR USE

ACTIVE INGREDIENT:	(% by weight)
Cyfluthrin .....	6.0%
OTHER INGREDIENTS: .....	94.0%
TOTAL .....	100.0%

EPA Reg. No.: 91234-404

## 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"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 - 20 min.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
IF IN EYES:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 - 20 min.</li><li>• Remove contact lenses, if present, after the first 5 min., then continue rinsing eyes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
IF SWALLOWED:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
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 <b>1-844-685-9173</b> 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<sup>TM</sup> CS with EnduraCap Technology is not manufactured, or distributed by BASF Professional and Specialty Solutions, seller of Cy-Kick® CS.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### ENVIRONMENTAL HAZARDS

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

#### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with 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.**

For both indoor and outdoor use.

#### USE RESTRICTIONS

- Do not apply this product through any type of irrigation system.
- 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 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 spray where electrical short circuits might result, such as wall outlets, conduits, etc.
- Do not apply in aircraft cabins.
- Do not use in outdoor residential misting systems.
- Do not apply to humans, their clothing or bedding. Do not allow children or pets to contact treated surfaces until spray has dried. Do not contaminate food or use on household pets. Cover fish tanks prior to application. Do not apply this product in patient rooms while occupied or in any rooms while occupied by the elderly or infirm. Do not apply to classrooms when in use.
- Do not contaminate food, feedstuffs, or water supply. Do not contaminate 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 apply or irrigate to the point of run-off.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways and patios except as a spot or crack-and-crevice treatment.

- Do not allow pesticide to enter any drain during or after application except as directed on this label.
- 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 to enter indoor or outdoor drains unless labeled for drain treatments.

*No permita la entrada a desagües internos o externos a menos que el etiquetado indique que está permitido el uso del producto para tratamiento de desagües.*

- 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-and-crevice treatments only, except for the following permitted uses:

1. Applications to pervious surfaces such as soil, lawn, turf or 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 manmade structures such as doorways and windows, when limited to a band not to exceed 1" in width;
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.

#### BUFFER FROM WATER

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.

#### GENERAL INFORMATION

This product is a flowable microencapsulated concentrate containing 6% cyfluthrin which will provide extended residual control of the pests listed on this label. 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 voids to avoid any water damage or electrical short circuits. Refer to section entitled **Foam Application Use Directions**.

#### MIXING INSTRUCTIONS

Thoroughly clean spray equipment before using. Shake concentrate well before diluting. 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	Spray Concentration	
	0.05% Spray	0.10% Spray
1 gal.	1.0 fl. oz.	2.0 fl. oz.
3 gals.	3.0 fl. oz.	6.0 fl. oz.
5 gals.	5.0 fl. oz.	10.0 fl. oz.
10 gals.	10.0 fl. oz.	20.0 fl. oz.

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

## SURFACE APPLICATIONS

Use 1.0 to 2.0 fl. oz. of concentrate per 1,000 sq. ft. in sufficient water to adequately cover the area being treated without dripping or runoff. The higher rate should be used for clean-outs, for longer residual control, or for heavy insect infestations.

Apply as a coarse wet spray. Apply to walls; floors; ceilings; in and around cupboards; between, behind, and beneath equipment and appliances; around floor drains, window and door frames, and light fixtures; and on the underside of shelves, drawers, and in similar areas. Applications may also be made to floor surfaces, along walls, and around air ducts.

## PERIMETER SPRAY APPLICATIONS

As a perimeter spray to help prevent pest infestations, treat a band of soil 7 feet wide or less around and adjacent to the building or structure. Also treat the building foundation and sides, up to a maximum height of 2 feet, where pests are active and may find entrance. Treat other insect entry points such as doors, windows, and under siding and eaves of structure. Treat potential exterior insect entry points into man-made structures such as doors and windows in a band not to exceed 1" in width.

MIXING CHART			
Tank Size (Gallons)	Suggested Amount of Concentrate per Tank (fl. oz.)	Coverage in Square Feet	
		Low Rate	High Rate
1.0	1.0	1,000	500
2.5	1.0	1,000	500
5.0	10.0	10,000	5,000
15.0	1.5	1,500	750
	2.5	2,500	1,250
25.0	2.0	2,000	1,000
	4.0	4,000	2,000
50.0	4.0	4,000	2,000
	8.0	8,000	4,000
	25.0	25,000	12,500
100.0	8.0	8,000	4,000
	16.0	16,000	8,000

## SPOT, VOID, OR CRACK-AND-CREVICE APPLICATIONS

Mix 1.0 to 2.0 fl. oz. of concentrate in 1 gallon of water. Use the higher rate for clean-outs, for longer residual control, or for heavy insect infestations.

Treat surfaces to ensure thorough coverage but avoid runoff. To treat insects harbored in voids and in cracks and crevices, applications must be made in such a manner to limit dripping and run-off onto untreated structural surfaces and plants. Apply with equipment designed for void applications. 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 voids.

Spot treatments may also be made to storage areas, closets, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves and drawers, and the use sites described in the **INDOOR TREATMENTS, INDOOR AND OUTDOOR TREATMENTS, OUTDOOR TREATMENTS, and USE IN AND AROUND LIVESTOCK HOUSING** sections. Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

## INDOOR TREATMENTS

For indoor pests and occasional invaders, make applications in a manner as previously described under **SURFACE APPLICATIONS** and/or **SPOT, VOID, OR CRACK-AND-CREVICE APPLICATIONS**. Use as a crack-and-crevice residual product where insects may be hiding, living and breeding and/or for selected spot application. Pay particular attention to entry points and harborage areas. Dilute concentrate to 0.05% or 0.10% with water using the spray dilution chart.

When using in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed, refer to the **FOOD/FEE AREAS OF FOOD HANDLING ESTABLISHMENTS** section for use directions. Non-food/feed areas include garbage rooms, restrooms, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

## OTHER CRAWLING INSECTS, INCLUDING CENTIPEDES, COCKROACHES, CRICKETS, DERMESTIDS, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS, SPIDERS

Make spot treatment and/or crack-and-crevice injections into pest hiding places (cracks and crevices, void areas, moist areas, openings around pipes and sinks and under refrigerators). Repeat as necessary, but not more than twice per week. Treatments must be at least 3 days apart.

## FLIES

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

## CARPET BEETLES (DERMESTIDS)

Treat along edges of carpet, under carpet edge, furniture, throw rugs and as a crack-and-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. Treatments must be at least 3 days apart.

## BED BUGS

Apply to cracks and crevices where evidence of bed bugs occurs (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. Allow all treated areas to dry thoroughly before use. This product is not to be used as the sole mechanism for protection against bed bugs. If evidence of bed bugs is found in/on mattresses, use a product approved for this use.

## TICKS

Apply as a spot and/or crack-and-crevice treatment in infested and egg laying areas (pet resting quarters, nearby cracks and crevices, behind baseboards, door and window frames). Replace pet's old 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. Treatments must be at least 3 days apart.

## ANTS

Inject cracks, crevices and voids where ants may be traveling and/or harboring (around doors, window frames, and other structural cracks, crevices and voids). Spot treatment of trails and feeding areas may also be made.

## 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-and-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. Remove and destroy any food-stuffs infested with pests.

## FOAM APPLICATION USE DIRECTIONS

This product can be converted to a foam and the foam used to treat structural voids to control insect and arthropod pests in walls, under slabs or in other void areas. Apply as a dry foam (approximately 25:1). Fill void with foam so that all surfaces are contacted. Mix end-use dilution with manufacturer's recommended volume of foaming agent. Use the labeled rate suspension converted to a foam to achieve the desired foam expansion ratios. Verify before treatment that the foaming agent is compatible with this product.

## FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS

Applications are permitted in food/feed areas of food/feed handling establishments as a general surface application, spot or crack-and-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 are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and 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.

### 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-and-Crevise Application

Spot or crack-and-crevice applications are allowable while the facility is in operation; however, cover or remove food from area being treated. **DO NOT** apply directly to food or food handling surfaces. May be used in federally inspected meat and poultry plants.

## INDOOR AND OUTDOOR TREATMENTS

Select one of the following dilutions, 0.05% or 0.10%, for insects listed below unless otherwise noted.

## HIBERNATING STAGES OF ASIAN LADY BUGS, BOXELDER BUGS, ELM LEAF BEETLES, CLUSTER FLIES AND CLOVER MITES

Inject cracks, crevices and/or voids where these insects may be harboring or hibernating. Infested areas include 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. Treatments must be at least 3 days apart.

## CARPENTER ANTS

Make spot and/or crack-and-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, atriums, crawl spaces, ceilings, garages, soffits, wall voids, weep holes, and other void areas. Where possible, treat ant nest or infested wood directly. Repeat application as necessary, but not more than twice per week. Treatments must be at least 3 days apart.

## BEEES, 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** section of label. Pay particular attention to soffit and eave areas. For treatment of a yellowjacket or wasp nest, liberally treat the nest, inside the nest for yellowjackets and the surrounding area. For treatment of nests inside wall voids, inject into the nest sufficient quantity to treat the complete nest. More than one point of application may be required. Use no more than 1/2 gal. of diluted material for most nests. For larger nests, use the **MIXING CHART** and **Spray Dilution Chart** to determine the amount of product needed to treat the desired surface area. Pay particular attention to what the water may contact such as electrical wiring. Do not use where there is a shock hazard.

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

## WOOD DESTROYING INSECTS

**Localized Treatment of Wood-Infesting Insects - Beetles and Borers (Including The Following Families): Anobiidae, Bostrichidae, Buprestidae, Cerambycidae, Lyctidae, Oedemeridae, Sesiidae and Termites:** Locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, gallery and inaccessible closed voids. Drill holes 8 - 10" apart to ensure thorough coverage. Inject 5 - 10 sec. per hole. Do not contact electrical wiring, plumbing, etc. Use the 0.05% or 0.10% rate.

## Termites

To inhibit termite infestations, treat exposed tubing, cracks or cold joints in concrete or other structural interstices. Treat exposed surfaces to cover thoroughly but do not apply to the point of 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. Use a 0.125% rate, 2.5 fl. oz. of concentrate per gallon of water. To treat for severe infestations or for treatments under slabs, in basements and buildings with insufficient crawlspace, use a registered termiticide.

## OUTDOOR TREATMENTS

**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

In non-residential areas, this product can be used as a residual treatment on outdoor surfaces and/or as a crack, crevice and void treatment of buildings, porches, window frames, eaves, garages, garbage dumps and other areas where pests congregate or enter premises. Treatments to patios not covered by a permanent structure or overhang are limited to crack-and-crevice or spot treatments only. Repeat treatment as necessary to maintain effectiveness, but not more than twice per week. Treatments must be at least 3 days apart. Use the 0.05% or 0.10% rate.

This product can be used as a residual treatment to control pests in outdoor void areas (meter boxes and manholes). Repeat treatment as necessary, but not more than twice per week. Treatments must be at least 3 days apart. Use the 0.05% or 0.10% rate.

As a perimeter treatment, make applications in a manner previously described under **SURFACE APPLICATIONS**.

### PERIMETER TREATMENT

To help prevent infestations of buildings, treat a band of soil 7 feet wide or less around and adjacent to the building. Also treat the building foundation to a height of 2 ft. where pests are active and may find entrance. Treat other insect entry points (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 - 1.0 fl. oz./1,000 sq. ft. is desirable. Apply in sufficient water to adequately cover the area being treated. Apply in such a manner to limit dripping and run-off on structural surfaces and plants. Alternate directions are to use 4 - 8 fl. oz./50 gals. of water.

### FLIES

Treat outside surfaces of screens, doors, window frames or wherever flies enter. Also treat surfaces on porches, in garages, and other places where insects alight or congregate. Patios are limited to spot or crack-and-crevice treatments only. Repeat as necessary. Treat normal fly resting areas: 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. Treat 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. Treat no more than twice per week and at least 3 days apart.

### MOSQUITO CONTROL OUTDOORS

Not for use in wide area local, state or federal mosquito control programs. To control adult mosquitoes, use handheld, back-pack or truck mounted sprayers only. Not for use with truck mounted cold aerosol ULV sprayers, handheld 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. Use up to 150 gals. of diluted spray per acre. Treat shrubbery, vegetation and other areas where mosquitoes may rest. Shrubby and vegetation outside the 25 ft. buffer from around stagnant pools, marshy areas, ponds and shorelines may be treated if applied as a wet spray. Refer to **BUFFER FROM WATER** section for more information. Direct application of this product to any body of water is prohibited.

### CARPENTER BEES

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

### 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.

### CRAWLING INSECTS - INCLUDING BUT NOT LIMITED TO ANTS, COCKROACHES, CRICKETS, EARWIGS, SOWBUGS, AND SCORPIONS

For treatment of infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained. For ants, treat mounds and runways. Repeat applications as infestation warrants and as reinfestations occur. Apply to cracks and crevices where insects may enter premises (weep holes, under siding, wall voids, soffits, around attic vents, cracks and crevices, openings around windows, doors and pipes). Treatment of infested fences and tree holes is permitted.

### FLEAS

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

### YELLOWJACKET CONTROL OUTDOORS

#### Bait Preparation and Dispenser Distribution

To 100 g of bait matrix, add 2.0 g of concentrate and mix thoroughly. This amount of bait is sufficient for one dispenser. Do not mix more than the labeled amount of concentrate to the desired bait or yellowjacket avoidance may occur.

Mix only enough bait for immediate use in the desired number of dispensers. 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 and at heights inaccessible to children and pets. Since the bait is meat based, wildlife may be attracted to it. Place the bait and attach the dispenser in a way that makes it difficult for it to be removed or consumed by wildlife. To prevent wildlife exposure, attach the bait dispenser to the surface in two places so it cannot be beat around or easily removed. For best results, use 3 - 4 dispensers/acre or place them about 100 ft. 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 such factors as stage of reproductive cycle, type of bait, quality of bait, etc. To determine bait preference before using this product, place 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 - 6 oz. non-food container with a removable top, drill 3 - 6 holes 5/8" - 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 **Tirade CS with EnduraCap Technology**, (Cyfluthrin, EPA Reg. No. 91234-404)



**Bait Sources and Suggestions**

This product can be used 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., Ham, Cold Cuts):** These products are often very attractive to yellowjackets and need not be cooked.

**USE IN AND AROUND LIVESTOCK HOUSING**

For use by pest control operators or livestock producers in livestock housing structures to control flying and crawling insects. Apply as a surface application and/or spot, crack-and-crevice, or void application. Make applications with a low pressure sprayer with suitable nozzles to achieve uniform coverage or with fogging or misting equipment. Best results are achieved when facilities are cleaned, and indoor treatments are supplemented with outdoor perimeter applications.

May be used in and on outside surfaces of other buildings. Do not apply to lactating or food animals. Do not contaminate milk, food or drinking water. Do not make indoor applications in areas of facility where animals other than cattle or horses are present. Do not apply or allow insecticide to drift onto animals. Do not allow animals to enter treated areas until surfaces are dry.

**FLIES**

**For residual control of flies including house flies and stable flies on outdoor surfaces and in animal areas (dog kennels, hog barns, horse barns, poultry houses, rabbit hutches, dairy barns, dairy areas, milk rooms, calf hutches, calving pens and parlors):** Treat normal fly resting areas: 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 gal. diluted product per 1,000 sq. ft. 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.

**DARKLING BEETLES**

For residual control of darkling beetles and other insects in poultry houses at cleanouts and in between poultry grow-out periods. Use as a general surface application on floors, litter, walls, ceilings, posts, and other surfaces where pests live and cause damage. Use 1.0 - 2.0 fl. oz. per 1,000 sq. ft. Use the high rate for heavy infestations.

**FOGGING OR MISTING APPLICATIONS**

Remove all animals from the facility to be treated. Cover all feeders and waterers, and close all vents, windows, and doors. After application, wait 1/2 hour and ventilate facility before entering.

**PERIMETER TREATMENT**

For control of other pests and to help prevent infestations of buildings, treat a band of soil 7 feet wide or less around and adjacent to the building. Also treat the building foundation and sides where pests are active and may find entrance. Treat other insect entry points (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 sq. ft. is desirable. Apply in sufficient water to adequately cover the area being treated. Apply in such a manner to limit dripping and run-off on structural surfaces and plants.

**Appendix A - Kills:**

**Ants, Asian Lady Bugs, Bed Bugs, Bees, Boxelder Bugs, Cadelles, Carpenter Ants, Carpenter Bees, Carpet Beetles, Centipedes, Chocolate Moths, Cigarette Beetles, Clover Mites, Cluster Flies, Cockroaches, Crickets, Darkling Beetles, Dermestids, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Fire Ants, Firebrats, Fleas, Flies, Flour Beetles, Grain Weevils, Grasshoppers, Hide Beetles, Hornets, Indian Meal Moths, Larder Beetles, Lesser Grain Borers, Lesser Mealworms, Loopers, Mediterranean Flour Moths, Merchant Grain Beetles, Mealworms, Millipedes, Mosquitoes, Psocids, Rice Weevils, Sawtoothed Grain Beetles, Scorpions, Silverfish, Sowbugs, Spiders, Springtails, Termites, Ticks, Yellowjackets, Warehouse Moths, Wasps, Wood Wasps, Wood Infesting Borers and Beetles.**

**Appendix B: FOR USE IN AND AROUND: Apartments, Calf Hutches, Calving Pens and Parlors, Campgrounds, Poultry Houses, Dairy Areas, Dog Kennels, Food Storage Areas, Grain Mills, Granaries, Hog Barns, Homes, Horse Barns, Hospitals, Hotels, Meat Packing Plants, Food Processing Plants, Milkrooms, Motels, Nursing Homes, Rabbit Hutches, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks/Trailers, Planes<sup>†</sup>), Utilities, Warehouses, Commercial and Industrial Buildings.**

**<sup>†</sup>DO NOT use in aircraft cabins.**

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, in a locked storage area. Prevent cross-contamination with other pesticides or fertilizers. **DO NOT** store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product 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.

**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.

### CONTAINER HANDLING:

**Nonrefillable container. DO NOT** reuse or refill this container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**For plastic containers ≤ 5 gallons: Nonrefillable Container. DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**For plastic containers > 5 gallons: Nonrefillable container. DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by 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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