

3125-498

8-23-2000

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

AUG 23 2000

Ms. Julie Spagnoli  
Bayer Corporation  
1275 Pennsylvania Avenue, N.W.  
Suite 801  
Washington, DC 20004

Subject: Label Amendment - Several Changes to the Directions for Use  
Tempo SC Ultra  
EPA Reg. No. 3125-498  
Your Submissions Dated April 11, April 14 and August 11, 2000

Dear Ms. Spagnoli:

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable, provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. On the Front Panel, change "For commercial use only" to "For Pest Control Operators and Commercial Use Only".
  - b. Because the information you cited relative to residual control varies according to pest and surface treated (MRID 45053101), for those areas on the label in which "residual control" is mentioned, you must either provide specifics for each of the pests on the label or identify the residual control as "up to three weeks". That limit represents the shortest residual control identified in MRID 45053101 for the pests on your label.
  - c. On page 5, under "For protection of firewood.....", add the following statement, "Do not treat firewood with this product".
  - d. The retreatment statements should include a maximum frequency of application,

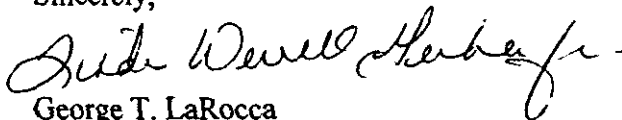
such as: "... but not more than \_\_\_\_ times per \_\_\_\_."

- e. We note that your product bears Directions For Use in aircraft. This is in conflict with PR Notice 96-3 (Pesticide Products Used to Disinsect Aircraft). Either delete or revise the instructions to use in cargo areas only. This would be consistent with other Tempo products containing cyfluthrin. We regret this has been overlooked in our previous reviews. The same revision must be made on other Tempo products containing beta-cyfluthrin.
- f. You must either submit or cite the appropriate efficacy data for mosquitoes and ticks or these pests must be removed from your label.
- g. Regarding the revised precautionary language: Because this product is Tox. Category III, add the following language: "Avoid breathing spray mist."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped label is enclosed for your files. If you require any further correspondence on this matter, please contact Linda Werrell Gerber (703-308-8033) of my staff.

Sincerely,



George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

Enclosure

# Tempo<sup>®</sup> SC Ultra

## Insecticide

For commercial use only.

SHAKE WELL BEFORE USING

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:

Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate .....11.8%

INERT INGREDIENTS: .....88.2%  
100.0%

Contains 1 lb cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate per gallon.

EPA Reg. No. 3125-498

Net Contents: \_\_\_\_ Milliliters

**STOP - Read The Label Before Use.**

**Keep out of reach of children.**

## CAUTION

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

## FIRST AID

<b>If on skin</b>	<ul style="list-style-type: none"><li>Take off contaminated clothing.</li><li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>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.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<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>Do not induce vomiting unless told to by a poison control center or doctor.</li><li>Do not give anything to an unconscious person.</li></ul>

**Note To Physician:** No specific antidote is available. Treat the patient symptomatically. Have the product container or label with you when calling a poison control center or doctor or going for treatment. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244.

## ENVIRONMENTAL HAZARDS

This pesticide 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 directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

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. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply TEMPO SC ULTRA Insecticide 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.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
AUG 23 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
this pesticide is registered under EPA Reg. No.  
3125-498

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## DIRECTIONS FOR USE

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

**IMPORTANT:** Read these entire Directions for Use and Conditions of Sale before using TEMPO SC ULTRA Insecticide.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

Do not formulate this product into other end-use products.

## GENERAL INFORMATION

### FOR STRUCTURAL PEST CONTROL

TEMPO SC ULTRA Insecticide is a liquid formulation containing 1 lb active ingredient per gallon, which will provide effective knockdown and residual control of the pests listed in this label.

TEMPO SC ULTRA is intended for use as a general surface spot, mist, or crack and crevice application in and around buildings and structures and their immediate surroundings and on various modes of transport. Permitted areas of use include, but are not limited to, apartment buildings, bakeries, bottling facilities, breweries, cafeterias, candy plants, cereal processing and manufacturing plants, correctional facilities, dairies and dairy product processing plants, frozen food plants, grain mills, granaries, greenhouses (structures only), hospitals, hotels, houses, industrial buildings, kitchens, laboratories, livestock housing structures, refuse piles, pet kennels, manufacturing establishments, mausoleums, poultry houses, meat, poultry and egg processing and packing plants, meat and produce canneries, nursing homes, pickle factories, restaurants, schools, spice plants, stores, warehouses, wineries and similar structures as well as aircraft, buses, trucks, trailers, rail cars, and marine vessels.

Hospital and/or nursing home patients must be removed from their rooms while treatment is being applied and must not be allowed to return until all treated surfaces have dried. School classrooms must be treated only when students are not present, and all treated surfaces must be dry before the students are allowed to return.

TEMPO SC ULTRA is intended to be mixed with water and applied with hand pressurized, power operated sprayers or foam generating equipment. For these types of equipment

spray pressure should not exceed 50 PSI at the nozzle tip when used indoors. Application equipment that delivers low-volume treatments, such as the Micro-Injector® or Actisol® applicator, may also be used. Add the appropriate amount of product when filling sprayer tank with water, shake or agitate as necessary to mix. Diluted spray mixture can be stored overnight and applied the following day; however, mixture should be agitated prior to application to prevent uneven distribution of product. Before leaving spray mixture unagitated for an extended period of time, release tank pressure and elevate nozzle and hose above tank outlet, activate trigger and drain all dilution from hose back into spray tank. Re-tighten spray tank lid and do not re-pressurize until starting spray again.

TEMPO SC ULTRA will not stain or cause damage to any painted or varnished household surface, plastic, fabric or other surface where water applied alone causes no damage.

**TANK MIXING:** The user can tank mix pesticides currently registered for similar use patterns, unless the product labels specifically prohibit such use. See "Extended Cockroach Control with Insect Growth Regulators." It is always recommended that a small jar compatibility test using proper proportions of chemicals and water be run to check for physical compatibility prior to tank mixing.

### Spray Dilution Chart

Amount of Finished Spray	Spray Concentration	
	0.025%	0.05%
1 gallon	8 ml (0.27 fl oz)	16 ml (0.54 fl oz)

Use the high rate under conditions of severe pest infestation or when longer residual control is desired.

### GENERAL SURFACE APPLICATION

Use 8 mL (0.27 fl oz) to 16 mL (0.54 fl oz) of TEMPO SC ULTRA per 1000 sq ft in sufficient water to adequately cover the area being treated, but which will not allow dripping or run-off to occur. Spray volumes may vary depending on surface types treated (see Note 1). Use a low pressure system with a fan type nozzle to uniformly apply the dilution. Applications can be made to walls, floors, ceilings, in and around cupboards, between, behind and beneath equipment, appliances, around floor drains, window and door frames, and on the underside of shelves, drawers and in similar areas. Applications may be made to floor surfaces along walls and around air ducts, however, do not treat entire area of floor or floor coverings. In the home, all food processing surfaces and utensils should be covered or thoroughly washed following treatment. Cover exposed food or remove from area being treated. Re-application can be made at 7 to 10-day intervals, if necessary. Do not apply where electrical short circuits could occur. Use a dust or dry bait in these areas. It is recommended to wear safety glasses, goggles or face shield and a respirator when making a general surface treatment to overhead areas.

Note 1: Volume of Water Sprays Applied To A Vertical Surface to Attain Appropriate Coverage		
Type of Surface	Quarts per 1000 Sq Ft	Gallons per 1000 Sq Ft
Ceramic tile (glazed)	0.75	0.2
Stainless steel	0.75	0.2
Latex painted plywood (semigloss)	4.0	1.0
Masonite (smooth)	6.3	1.5
Unpainted plywood	11.0	2.7
Unpainted particle board	11.7	3.0
Cement block (semigloss latex)	12.5	3.2
Cement block (unfinished)	145.5	36.3

## SPOT, MIST OR CRACK AND CREVICE APPLICATIONS

Mix 8 mL (0.27 fl oz) to 16 mL (0.54 fl oz) of TEMPO SC ULTRA in one gallon of water to make a dilution of 0.025% to 0.05% active ingredient concentration. Use a low pressure system with a pin-point or variable pattern nozzle or appropriate foam generating equipment to apply the suspension or sufficient volume of foam in specific areas such as: cracks and crevices in or behind baseboards, in floors, walls, expansion joints, areas around water and sewer pipes, wall voids, or voids in table legs and equipment where pests can hide as well as other similar areas. Spot treatments may also be made to areas including but not limited to storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas. TEMPO SC ULTRA can be reapplied at 7 to 10-day intervals, if necessary. Do not apply where electrical short circuits could occur. Use a dust or dry bait in these areas.

## EXTENDED COCKROACH CONTROL WITH INSECT GROWTH REGULATORS

Use TEMPO SC ULTRA in a tank mix combination with an Insect Growth Regulator (IGR) for extended control of American, Asian, German, oriental, brown-banded, smoky brown and other species of cockroaches. Use in food areas of food handling establishments only if all products in tank mix are registered for such use.

Make applications in accordance with those label instructions which are the same for each product. Prepare the tank mix using the recommended rate of TEMPO SC ULTRA and the IGR of choice by adding the TEMPO SC ULTRA first and making sure it's a well mixed dilution, then adding the correct amount of IGR according to it's label instructions. Follow all label instructions for use patterns and spray intervals from the IGR label to achieve maximum benefit.

Refer to the appropriate sections of the label for TEMPO SC ULTRA and the label for the IGR of choice for additional precautions, restrictions, limitations, and application information.

## FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS

TEMPO SC ULTRA applications are permitted in both food/feed and non-food areas of food/feed handling establishments as a general surface, 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.

Included also 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:** When the facility is in operation or foods are exposed do not apply as a general surface application in food handling areas. 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, Crack and Crevice Application:** Spot or crack and crevice applications 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.

## INDOOR PEST CONTROL

For **general household pests and occasional invaders** make applications in a manner as previously described under General Surface, Spot, or Crack and Crevice Application. Particular attention should be given to treating entry points and harborage areas.

For **pantry pest control** of exposed adult and immature stages of insects, make application to cupboards, shelving and storage areas. Particular attention should be given to treating cracks and crevices and other harborage areas. Remove all utensils, uncovered foodstuffs (or any with package opened), shelf paper and other objects before spraying. Allow treated surfaces to dry and cover shelves with clean paper before replacing any utensils, foodstuff or other items. Any foodstuff accidentally contaminated with spray dilution should be discarded.

For **stored product pest control** of exposed adult and immature stages of insect pests, apply to cracks, crevices, and other surfaces where the pests have been seen or have harborage. Treat warehouses, production facilities, storage areas, rail cars, truck beds and other areas where products are stored before filling with the product. TEMPO SC ULTRA may be used by pest control operators and grain producers to treat grain storage facilities and other areas noted above for stored product pest control. Cleaning of all areas prior to use of TEMPO SC ULTRA will increase levels of control. Any foodstuffs infested with pests should be removed and destroyed.

For **premise pest control** make application to rugs, carpeting beneath furniture, in closets and storage areas where these pests normally feed or hide. Do not apply to entire floor area. Applications to furniture should be restricted to those areas where no prolonged contact by humans will occur. Avoid contact with treated surfaces until dry. Remove or tightly cover fish tanks and disconnect aerators during application. Pets should be removed from the area being treated during application and until treated surfaces are completely dry.

For **aircraft pest control** apply to cracks, crevices and other surfaces where the pests have been seen or have harborage. Applications can be made to carpet and upholstered surfaces where no prolonged contact by human skin will occur. Applications should not be made when passengers or non-essential personnel are present in the

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immediate or treated area. All surfaces should be dry prior to re-entry by passengers or other personnel.

**For use by pest control operators or livestock producers in livestock housing structures (including poultry houses) and pet kennels** to control crawling and flying insect pests. Apply as a general surface and/or a crack and crevice spray. Control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments. Do not make interior applications of TEMPO SC ULTRA in areas of facility where animals other than cattle or horses are present. Do not make applications to animal feedstuffs or watering equipment.

**For control of flying insects indoors** make application to surfaces as directed under Directions For Use, where the pests collect or rest. Do not apply as a "space spray" application.

## OUTDOOR PEST CONTROL

**For control of flying insects outdoors** use a 0.025% to 0.05% dilution as a low volume mist application or make spray applications to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or found. Use a 0.05% dilution and make pin stream applications directly to the nests of wasps, yellow-jackets and hornets.

**For perimeter pest control**, make a general surface application to outside surfaces of buildings, porches, patios, garages and other adjacent areas where pests have been seen or found. To prevent infestations of buildings by occasional invaders, treat soil, turf or other substrates adjacent to buildings, the building foundation, walls, around doors and windows, and soffit areas where these pests are active and may find entrance or harborage. Apply 8 ml (0.27 fl oz) to 16 ml (0.54 fl oz) TEMPO SC ULTRA per 1000 sq ft. Apply in sufficient water to adequately cover the area being treated, but which will not allow excessive dripping or run-off to occur on vertical or overhead surfaces. Spray volumes may vary depending on surface types treated. For example, thorough treatment of mulch bedding will typically require a greater volume than will bare soil. For areas with heavy mulch cover, it is recommended that the mulch be raked back before treatment.

### Mixing Directions for Perimeter Pest Control

Application Volume: Gallons/ 1,000 sq ft	Application Rate: Milliliters/ 1,000 sq ft	Milliliters of Tempo SC Ultra Diluted to These Volumes of Finished Spray			
		3 gal.	5 gal.	10 gal.	50 gal.
2	8	12	20	40	200
	16	24	40	80	400
5	8	4.8	8	16	80
	16	9.6	16	32	160
7	8	3.4	5.7	11.4	57.1
	16	6.9	11.4	22.9	114.3

To convert to fluid ounces, divide the number of milliliters by 29.6 or multiply the number of milliliters by 0.0338.

## Formula for Determining the Percent Concentration in the Finished Spray

The following formula may be used to determine the percent active ingredient that is in the spray tank after mixing TEMPO SC ULTRA:

$$\frac{11.8 \times (\text{Milliliters of Tempo SC Ultra added to tank})}{(\text{Gallons of finished spray})} = \text{Percent Concentration of Finished Spray}$$

X 3,785.4

For control of the **imported red fire ant**, use a 0.05% dilution of TEMPO SC ULTRA and thoroughly drench or inject the entire mound area. Treat all areas of the mound showing activity to provide contact control of the adult fire ants. TEMPO SC ULTRA will provide contact activity and residual repellency in the active mound.

When using the injection treatment method for control of the imported red fire ant, it is essential that treatment be made to the bottom of the active mound. Apply dilution or sufficient volume of foam throughout the mound using a downward and upward motion of the injector tool. Multiple injection sites may be needed to ensure complete distribution of the suspension throughout the active mound.

Do not use TEMPO SC ULTRA to treat fire ant mounds in any food crop production area, pasture or area where food crop production may occur.

## CONTROL OF WOOD INFESTING PESTS

**For control of wood infesting beetles** on surfaces in homes and other structures, apply a 0.05% dilution of TEMPO SC ULTRA. For treatment of small areas, apply by brushing or spraying the suspension evenly on wood surfaces. For large or overhead areas of homes, apartment buildings, etc, apply as a coarse spray to thoroughly cover the area. Cover all surfaces below the area being sprayed with plastic sheeting or other material which can be disposed of by placing in trash if contamination from dripping occurs. Sprayed surfaces should be avoided until the treated area is completely dry.

**For control of above ground termites and wood-infesting beetles** in localized areas, apply a 0.05% dilution or sufficient volume of foam of TEMPO SC ULTRA to voids and galleries in damaged wood, and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling, and then injecting, spraying or misting the dilution or foam with a suitable directional injector into the damaged wood or wall voids. Termite carton nests in building voids may be injected with 0.05% dilution or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found. Application to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.05% dilution to control exposed worker and winged reproductive forms of termites. 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.

**For control of swarming or reproductive stages of termites**, apply a 0.05% dilution to the swarm or area on which they collect.

**For control of above ground termites** inside trees, utility poles, fencing and decking materials and similar structural members, drill to find the interior infested cavity and inject 0.05% dilution or foam using an appropriate treatment tool with

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a splashback guard.

Termite carton nests in trees may be injected with 0.05% dilution or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from trees when such nests are found.

For protection of firewood from carpenter ants and termites, treat soil beneath firewood prior to stacking with a 0.05% dilution at 1 gallon per 8 square feet to prevent carpenter ant or termite infestation.

For control of carpenter ants in houses and other structures, use a 0.05% dilution and apply as a general surface, spot, crack and crevice or wall void application. Repeat treatments when necessary. Apply around doors and windows and other places where carpenter ants may enter the premises. Spray or foam into cracks and crevices, or spray, mist or foam through small drilled holes into voids where these ants or their nests are present. Use a sufficient amount of spray or foam to cover the area. Do not exceed 1 gallon of dilution per 1000 square feet of treated surface.

For control of carpenter ants inside trees, utility poles, fencing and decking materials and similar structural members, drill to find the interior infested cavity and inject 0.05% dilution or sufficient volume of foam using an appropriate treatment tool with a splashback guard. Repeat as needed.

For control of tunneling carpenter ants in soil, apply a 0.05% dilution as a drench or inject the dilution or foam at intervals of 8 to 12 inches. Establish a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For control of carpenter bees in structures, apply a 0.05% dilution or sufficient volume of foam and spray or mist the liquid directly into gallery entrance holes. Following treatment, the entrance holes may be left open 24 hours to be certain that returning adult bees are killed. When there is no activity, the hole may be sealed with a suitable sealant.

**FOAM APPLICATION USE DIRECTIONS:** Mix end-use dilution of TEMPO SC ULTRA with manufacturer's recommended volume of foaming agent for a 0.025 to 0.05% foam concentration, foam 8 to 16 milliliters of TEMPO SC ULTRA formulation per gallon of pre-foamed dilution.

PESTS CONTROLLED BY TEMPO SC ULTRA		
I. INDOOR PESTS		
<b>1. Crawling Pests</b> Ants (except Pharaoh) Bedbugs Carpet beetles Centipedes Cockroaches American Asian German Oriental brown-banded smoky brown Crickets Darkling beetles Earwigs Firebrats Millipedes Pillbugs Silverfish Sowbugs Spiders	<b>2. Flying Pests</b> Clothes moths Flies Gnats Midges Mosquitoes Moths Wasps Yellow jackets	<b>3. Pantry &amp; Stored Product Pests</b> Beetles (exposed adults & immature stages) Cadelle Cigarette Confused Flour Dermestid Drug-store Granary weevil Hide Larder Leather Lesser grain borer Lesser mealworm Merchant grain Mealworm Red flour Rice weevil Sawtoothed grain Warehouse Moths Indian meal Mediterranean flour
II. FOOD PROCESSING PESTS		
(Same crawling & flying pests, pantry & stored product pests as for INDOOR PEST) and Fruitflies, Phoridflies and Scleridflies		
III. WOOD INFESTING PESTS		
Beetles Ambrosia Deathwatch False powderpost Old house borer Powderpost	Carpenter ants Carpenter bees	Termites Subterranean Formosan Drywood
IV. OUTDOOR / PERIMETER PESTS		
Ants Bees Boxelder bugs Carpenter ants Cecidflies Centipedes Clusterflies Cockroaches Crickets Elm leaf beetle	Fire ants Firebrats Flies Fleas Gnats Ground beetles Hornets Imported red fire ants Midges	Millipedes Mosquitoes Moths Scorpions Silverfish Spiders Ticks Wasps Yellow jackets

add, "Do not treat firewood with this product."

\* Specify "retreatment interval"

\* what is difference of "fire ants" "imported red fire ant"

unless submit efficacy data

## FOR TURF AND LANDSCAPE ORNAMENTAL PEST CONTROL

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, TEMPO SC ULTRA Insecticide will control the designated pests on trees, shrubs, foliage plants and flowers in outdoor landscaped areas such as parks, recreational areas, athletic fields, institutional grounds, etc., and interior plantscapes (such as in hotels, shopping malls, office buildings, etc.) where these plants are grown. TEMPO SC ULTRA Insecticide also controls designated pests in landscape and recreational turfgrass including home lawns, business and office complexes,

shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds and athletic fields, and other landscape turfgrass.

**APPLICATION TO ORNAMENTALS:** TEMPO SC ULTRA Insecticide mixes readily with water and may be used in all types of spray equipment. Mix product with the required amount of water and apply as a dilute spray application to the point of run-off but do not allow run-off to occur. When spraying hard-to-wet foliage such as holly, pine or ivy, the addition of a spreader/sticker may enhance both knock-down and residual activity. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on the area sprayed, as would be used in a dilute application. Phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions and no phytotoxicity has been observed. It is advised to pre-spray a selection of ornamentals if local use experience is unavailable. Time applications to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

**APPLICATIONS ON TURF:** TEMPO SC ULTRA Insecticide mixes readily with water and/or various fertilizer solutions and can be used in appropriate spray equipment to treat listed turfgrass. Applications should be made with accurately calibrated equipment and applied uniformly, using a coarse, large droplet, spray application procedure. Do not allow drift onto ponds, streams, or lakes. For optimum control of armyworms, cutworms and sod webworms, delay irrigation and mowing for at least 24 hours following the application. Keep children and pets off treated areas until lawn has dried following the application.

Add the appropriate amount of product when filling sprayer tank with water, shake or agitate as necessary to mix. Diluted spray mixture can be stored overnight and applied the following day; however, mixture should be agitated prior to application to prevent uneven distribution of product.

**TANK MIXING:** The user, at his or her discretion, can tank mix pesticides currently registered for similar use patterns, unless the product labels specifically prohibit such use. No label dosage rates should be exceeded. For example, TEMPO SC ULTRA Insecticide can be tank mixed with MERIT 75 WSP Insecticide for use on turf and landscape ornamentals in accordance with the more (most) restrictive of label limitations and precautions. When tank mixing TEMPO SC ULTRA Insecticide with MERIT 75 WSP Insecticide the mixing sequence does not matter.

**COMPATIBILITY:** TEMPO SC ULTRA Insecticide has been found to be compatible with all commonly used fungicides, miticides, liquid fertilizers and other insecticides. Check physical compatibility using the correct proportion of products in a small jar if local experience is unavailable. Do not apply this product through any type of irrigation system.

**NOTE:** Not for use on plants or turf being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, ornamental gardens or parks, lawns and grounds.

Recommended Applications for Landscape Ornamentals (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)		
PEST		DOSAGE TEMPO SC ULTRA
Ants	Mealybugs	45 mL (1.5 fl oz) Per 100 Gallons
Aphids	Midges*	
Armyworms	Mosquitoes*	
Azalea caterpillars	Oleander moth larvae	
Bagworms	Orchid weevil	
Boxelder bugs	Pear psylla	
Bristly rose slugs	Peppertree psyllid	
Budworms	Pillbugs	
California oakworms	Pine shoot moths	
Cankerworms	Pine tip moths	
Casebearers	Plant bugs	
Clover mites	Redhumped caterpillars	
Cockroaches**	Sawfly larvae	
Crickets*	Scale insects (crawler stages)	
Cutworms	Sowbugs	
Elm leaf beetles	Spiders*	
Elm spanworms	Spittlebugs	
Flea beetles	Striped beetles	
Flies*	Striped oakworms	
Fungus gnats	Tent caterpillars	
Grasshoppers	Thrips	
Gypsy moth larvae	Ticks (including deer ticks)	
Japanese beetles (adult)	Tussock moth larvae	
June beetles(adult)	Wasps*	
Lace bugs	Walnut caterpillars	
Leaf-feeding caterpillars	Webworms	
Leafhoppers	Whiteflies	
Leafrollers	Yellownecked caterpillars	
Leaf skeletonizers		

Applications should be started prior to establishment of high pest populations and reapplication made as necessary. Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader/sticker at recommended rates may enhance control of insects on certain species of ornamentals having hard-to-wet foliage.

\* The use of Tempo SC Ultra Insecticide for the control of ants, crickets, spiders, midges, wasps; flies and mosquitoes is limited to ornamental areas and areas adjacent to buildings. Apply as a general spray, concentrating on damp areas beneath shrubbery, around foundations and in areas of tall grass or weeds. Do not apply to any food crop. Remove any animal feeding dishes prior to treatment and do not allow spray or drift to contact fish-bearing water.

\*\* Outdoor cockroach control (including Asian cockroaches) is obtained by spraying hiding or resting places such as under shrubbery, in ground covers and mulching materials, in hollow trees, etc.



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<b>Recommended Applications for Landscape and Recreational Turfgrass</b> (including home lawns, business and office complexes, multifamily residential complexes, airports, cemeteries, parks, playgrounds and athletic fields, and other landscape turfgrass)	
PEST	DOSAGE TEMPO SC ULTRA
Ants Armyworms Crickets Cutworms Earwigs Grasshoppers Japanese beetles (adult) Sod webworms Ticks (including deer ticks)	4 to 8 mL (0.135 to 0.270 fl oz) per 1000 sq ft or 6 to 12 fl oz per acre
Black turfgrass ataenius (adults) Bluegrass billbug (adult) Chinch bugs Chiggers Fire ants* Fleas Hyperodes weevil (adult) Mole crickets Scorpions	8 ml (0.270 fl oz) per 1000 sq ft or 12 fl oz per acre
Apply when pests first appear. Reapply when necessary based on pest reinfestations not exceeding 6 applications per year. Delay watering or mowing for 24 hours for optimum control of armyworms, cutworms, and sod webworms. Keep children and pets off treated areas until lawn has dried following the application. * Aids in control only.	

#### RESTRICTIONS FOR TURFGRASS APPLICATION

Do not apply this product by aerial application or by any type of chemigation system. Do not apply when the average windspeed is greater than 15 mph. Apply product using spray nozzles which produce a coarse droplet size, such as flood jet nozzles. Do not apply when turfgrass areas are water-logged or the soil is saturated with water (i.e., will not accept irrigation). Use this product only as directed on label.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original containers and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244 or contact Chemtrec at 800-424-9300.

**Pesticide Disposal:** Pesticide wastes are hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by 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 Disposal:** Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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