

PM 03

3125-372

5/15/98

19/110

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 05-31-98



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
☒ Other

OPP Identifier Number

252444

## Application for Pesticide - Section I

1. Company/Product Number 3125-372	2. EPA Product Manager George La Rocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) TEMPO 2 Insecticide	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Bayer Corporation 8400 Hawthorne Road, P.O. Box 4913 Kansas City, MO 64120 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

See Attached

NOTIFICATION

MAY 15 1997

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container		<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
Certification must be submitted				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Charles W. Boyd		Title Senior Registrations Scientist	
		Telephone No. (Include Area Code) (816) 242-2457	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature <i>John S. Thornton</i>		3. Title Director, Product Registrations and Regulatory Affairs	
4. Typed Name John S. Thornton		5. Date April 28, 1997	

S16-46/98

## Section II - Explanation

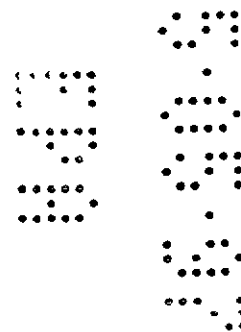
Bayer Corporation is submitting a **Notification** of a change to the section of the label entitled General Information for Turf and Ornamental Pest Control. We are adding the following statement for clarification of the Tank Mixing subsection:

"Compatibility: TEMPO 2 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." This statement already appears on the Tempo® 20WP Label.

This notification is consistent with the provision of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Enclosed is one copy of the product label, draft dated 3/20/97. The addition is marked by a circle.

NOTIFICATION  
MAY 15 1997



372-8943.BLD

U. S. LABEL

Base Reg (8943)

Reason to Issue: To add compatibility statement to label.

Date of Draft: 04/22/97 (B)

Supersedes Reg Draft Dated: 09/12/96

# Tempo<sup>®</sup> 2

## Insecticide

For commercial use only.

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:

Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

24.3%

### INERT INGREDIENTS:

75.7%

100.0%

(This product contains xylene-range, aromatic solvents)

Contains 2 pounds cyfluthrin per gallon.

EPA Reg. No. 3125-372

**NOTIFICATION**

MAY 15 1997

**STOP - Read The Label Before Use  
KEEP OUT OF THE REACH OF CHILDREN**

## AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

## WARNING

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Wear goggles, face shield, or safety glasses, when handling the undiluted material and wear a respirator when making general surface overhead treatments indoors.

Do not contaminate feed or food. Keep out of reach of children.

### STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with plenty of water. Get medical attention.

If swallowed: Call a physician or Poison Control Center. Do not induce vomiting.

Vomiting may cause an aspiration hazard.

If on skin: Wash thoroughly with soap and

water. Get medical attention if irritation occurs.

**Note To Physician:** Treat the patient symptomatically, taking into consideration that this formulation contains 34% aromatic petroleum distillates.

# Tempo 2

## 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. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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 2 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.

## 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 and Conditions of Sale before using TEMPO 2 Insecticide.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE

PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, 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 2 Insecticide is a liquid formulation containing 2 lb active ingredient per gallon, which will provide effective knockdown and residual control of the pests listed in this label.

TEMPO 2 is intended for use as a general surface, spot, 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, hospitals, hotels, houses, industrial buildings, kitchens, laboratories, livestock housing structures, 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.

Do not use in aircraft cabins.

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 2 is intended to be mixed with water and applied with hand pressurized, power operated sprayers, or foam generating equipment. Spray pressure should not exceed 50 PSI at the nozzle tip when used indoors. 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 2 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, at his discretion, 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.

### GENERAL SURFACE APPLICATION

Use 8 milliliters of TEMPO 2 per 1000 sq ft (see Note 1) in sufficient water to adequately cover the area being treated, but which will not allow dripping or run-off to occur (see Note 2). 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 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:** Under conditions of severe pest infestation or when quicker knock-down and/or longer residual control is needed, use 16 milliliters of TEMPO 2 per 1000 sq ft.

**Note 2:** Volume of Water Sprays Applied To A Vertical Surface to Attain Appropriate Coverage

Type of Surface	Quarts/ 1000 Sq Ft	Gallons/ 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, OR CRACK AND CREVICE APPLICATIONS

Mix 8 milliliters of TEMPO 2 in one gallon of water to make a dilution of 0.05% active ingredient concentration (see Note 3). Use a low pressure system with a pin-point or variable pattern nozzle or appropriate foam generating equipment to apply the dilution 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 2 can be reapplied at 10-day intervals, if necessary. Do not apply where electrical short circuits could occur. Use a dust or dry bait in these areas.

**Note 3:** Under conditions of severe pest infestation or when quicker knock-down and/or longer residual control is needed, mix 16 milliliters of TEMPO 2 in one gallon of water to make a dilution of 0.1% active ingredient concentration.

### EXTENDED COCKROACH CONTROL WITH INSECT GROWTH REGULATORS

Use TEMPO 2 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 2 and the IGR of choice by adding the TEMPO 2 first and making sure it is a well mixed dilution, then adding the correct amount of IGR according to its 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 2 and the label for the IGR of choice for additional precautions,

restrictions, limitations, and application information.

## FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS

TEMPO 2 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.

TEMPO 2 is authorized by the USDA for use in federally inspected meat and poultry plants. This product is acceptable for use in edible product areas of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs, as a crack and crevice treatment.

**General Surface Application:** Do not apply as a general surface application in the food 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, 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

### CRAWLING INSECT 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 has harborage. Treat warehouses, production facilities, storage areas, rail cars, truck beds and other areas where products are stored before filling with the product. TEMPO 2 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 2 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 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 2 in areas of facility where animals other than cattle or horses are present. Do not make applications to animal feedstuffs or watering equipment.

### FLYING INSECT PEST CONTROL (General Surface Spray)

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 0.05% to 0.1% dilution and make applications to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or found. Use a 0.1% 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 help prevent infestations of buildings by occasional invaders, treat soil, turf or other substrates adjacent to buildings, the building foundation, walls, around doors and windows, soffit areas where these pests are active and may find entrance or harborage. Apply a minimum of 6 milliliters of TEMPO 2 per 1000 sq ft in sufficient water to provide adequate coverage.

For control of the imported red fire ant, use a 0.1% dilution of TEMPO 2 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 2 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 dilution or foam throughout the active mound.

Do not use TEMPO 2 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 0.1% dilution of TEMPO 2. 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 0.1% dilution or sufficient volume of foam of TEMPO 2 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 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 0.1% 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 0.1% 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 0.1% 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 0.1% dilution or foam using an appropriate treatment tool with a splashback guard.

Termite carton nests in trees may be injected with 0.1% 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 0.1% 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 0.1% 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 through small drilled holes into voids where these ants or their nests are present. Use a sufficient amount of coarse 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 0.1% 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 0.1% 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, use a 0.1% dilution and spray 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 20 WP with manufacturer's recommended volume of foaming agent. For a 0.05% to 0.1% foam concentration, foam 8 to 16 milliliters of TEMPO 20 WP formulation per gallon of pre-foamed dilution.

**PESTS CONTROLLED BY TEMPO\***

I. INDOOR PREMISE PESTS			II. FOOD PROCESSING PESTS	IV. OUTDOOR/PERIMETER 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 Dermeestid 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	(Same crawling & flying pests, pantry & stored product pests as for INDOOR PREMISE) and Fruitflies Phoridflies Sciardflies	Ants Bees Boxelder bugs Carpenter ants Cecidflies Centipedes Clusterflies Cockroaches Crickets Elm leaf beetle Fire ants Firebrats Flies Fleas Gnats Ground beetles Homets Imported red fire ants Midges Millipedes Mosquitoes Moths Scorpions Silverfish Spiders Ticks Wasps Yellow-jackets
			<b>III. WOOD INFESTING PESTS</b> Beetles Ambrosia Deathwatch False powderpost Old house borer Powderpost Carpenter ants Carpenter bees Termites Subterranean Formosan Drywood	

\* For **GENERAL SURFACE APPLICATION**, use 8 milliliters of TEMPO 2 per 1000 square feet in sufficient water to adequately cover the area being treated. Under conditions of severe pest infestation or when quicker knock-down and/or longer residual control is needed, use 16 milliliters of TEMPO 2 per 1000 sq. ft.

For **SPOT, CRACK AND CREVICE OR FOAM APPLICATIONS**, mix 8 milliliters TEMPO 2 in one gallon of water to make a 0.05% active ingredient concentration. Under conditions of severe pest infestation or when quicker knockdown and/or longer residual control is needed, mix 16 milliliters of TEMPO 2 in one gallon of water to make a 0.1% active ingredient concentration.

**GENERAL INFORMATION**

**FOR TURF AND LANDSCAPE ORNAMENTAL PEST CONTROL**

When used at recommended rates and as directed under **RECOMMENDED APPLICATIONS**, TEMPO 2 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 2 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.

**NOTE:** Not for use in commercial greenhouses, nurseries, on sod farms or grass grown for seed. Not for use on golf course turf.

**APPLICATION TO ORNAMENTALS:** TEMPO 2 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 2 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.

**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 2 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 2 Insecticide with MERIT 75 WSP Insecticide, add the MERIT to the tank first while agitating. After the water soluble packaging is fully dissolved and the powder is fully dispersed, then add the TEMPO 2 Insecticide.

**COMPATIBILITY:** TEMPO 2 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.

# RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE TEMPO 2	REMARKS
LANDSCAPE ORNAMENTALS (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Ants*	45 mL (1.5 fl oz) Per 100 Gal	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 2 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.
	Aphids		
	Armyworms		
	Azalea caterpillars		
	Bagworms		
	Boxelder bugs		
	Bristly roseslug		
	Budworms		
	California oakworms		
	Cankerworms		
	Casebearers		
	Clover mites		
	Cockroaches**		
	Crickets*		
	Cutworms		
	Elm leaf beetles		
	Elm spanworms		
	Flea beetles		
	Flies*		
	Fungus gnats		
	Grasshoppers		
	Gypsy moth larvae		
	Japanese beetles		
	(adult)		
	June beetles (adult)		
	Lace bugs		
	Leaf skeletonizers		
	Leaf-feeding caterpillars		
	Leafhoppers		
	Leafrollers		
	Mealybugs		
	Midges*		
	Mosquitoes*		
	Oleander moth larvae		
	Orchid weevil		
	Pear psylla		
	Peppertree psyllid		
	Pillbugs		
	Pine tip moths		
	Pine shoot moths		
	Plant bugs		
	Redhumped caterpillars		
	Sawfly larvae		
	Scale insects		
	(crawler stages)		
	Sowbugs		
	Spiders*		
	Spittlebugs		
	Striped oakworms		
	Striped beetles		
	Tent caterpillars		
	Thrips		
	Ticks (including deer ticks)		
	Tussock moth larvae		
	Wasps*		
	Webworms		
	Whiteflies		
	Yellownecked caterpillars		

RECOMMENDED APPLICATIONS			
CROP	PEST	DOSAGE TEMPO 2	REMARKS
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)	Ants Armyworms Crickets Cutworms Earwigs Grasshoppers	Japanese beetles (adult) Sod webworms Ticks (including deer tick)	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 grass has dried following the application.  *Aids in control only.
	Bluegrass billbug (adult) Chinch bugs Chiggers Fire Ants*	Fleas Hyperodes weevil (adult) Mole crickets Scorpions	
		4 to 6 mL per 1000 sq ft or 5.9 to 8.9 fl oz per acre	
		6 mL per 1000 sq ft or 8.9 fl oz per acre	

#### 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

Not for Storage in or Around the House

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

**Pesticide Disposal:** Pesticide wastes are acutely 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:** Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Storage:** Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container 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 invert to prevent leakage. 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 Team Telephone No. is 800-414-0244 or contact Chemtrec at 800-424-9300.