

432-1482

05/01/2011

1/6



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Norma Pangilinan Ph.D.  
Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709



Dear Dr. Pangilinan:

Subject: Amendment: Comply with Agency pyrethroid labeling letter dated June 4, 2009,  
Add Resistance Management Recommendations,  
Add Mode of Action classification box,  
Use complete product name throughout label,  
Update Warranty Statement, and  
Add Bayer CropScience legal statement  
Tempo Ultra GC Insecticide  
EPA Reg. No. 432-1452  
Your submission dated May 25, 2010

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions regarding this letter, please contact Dana Pilitt, PhD of my staff at (703) 305-7071 or via e-mail at [pilitt.dana@epa.gov](mailto:pilitt.dana@epa.gov).

Sincerely,

Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)

GROUP 3 INSECTICIDE

RESTRICTED USE PESTICIDE
Due to toxicity to fish and aquatic organisms.
For retail sale to, and use only by, Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Tempo® Ultra GC Insecticide

SHAKE WELL BEFORE USING

For broad-spectrum control of insect pests infesting turf, trees and ornamentals on residential and commercial sites including golf courses.

ACTIVE INGREDIENT:

β-Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate..... 11.8%

INERT INGREDIENTS:..... 88.2%

Contains 1 lb β-cyfluthrin per gallon 100.0%

EPA Reg. No. 432-1452

with EPA Est. No. 432-TX-1
EPA Letter Dated
MAY - 1 2011
432-1452

STOP - Read the label before use.

Keep out of reach of children.

CAUTION

Table with 2 columns: First Aid Category (IF IN EYES, IF SWALLOWED, IF ON SKIN, IF INHALED) and First Aid Instructions.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577

NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on this label. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply Tempo® Ultra GC 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.

### DIRECTIONS FOR USE

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

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

Do not allow children or pets to enter treated areas until surfaces are dry.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Protect from freezing. 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. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577, or contact Chemtrec at 1-800-424-9300.

**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:** 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or reconditioning, or puncture and dispose of container in a sanitary landfill, by incineration or if allowed by state and local authorities by burning. If burned, avoid smoke.

### GENERAL INFORMATION

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, Tempo® Ultra GC Insecticide will control the designated pests turf grasses, and on trees, shrubs, foliage plants and flowers in outdoor landscaped areas.

**NOTE: Not for use in commercial greenhouses, nurseries, sod farms or grass grown for seed. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.**

**MIXING:** Add product when filling spray tank with water. Shake or agitate the mixture. The diluted spray mixture can be stored overnight; agitate before using.

**TANK MIXING:** Tempo® Ultra GC Insecticide can be tank mixed with other pesticides currently registered for similar uses. Follow the most restrictive labeling directions and precautions. Do not exceed label rates.

**COMPATIBILITY:** Tempo® Ultra GC Insecticide is compatible with 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.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Tempo® Ultra GC Insecticide contains Group 3 insecticides. Insect biotypes with acquired or inherent resistance to Group 3 insecticides may eventually dominate the insect population if Group 3 insecticides are used repeatedly as the predominant method of control for targeted species.

**APPLICATION ON ORNAMENTALS:** Tempo® Ultra GC 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 thoroughly as a dilute spray but do not allow runoff to occur. When spraying hard-to-wet foliage such as holly, pine or ivy, 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.

Recommended Applications for Landscape Ornamentals			
(including trees, shrubs, evergreens, flowers, foliage plants)			
PEST			DOSAGE Tempo® Ultra GC Insecticide
Ants <sup>1</sup>	Cutworms	Mealybugs	Sowbugs
Aphids	Elm leaf beetles	Midges <sup>1</sup>	Spiders <sup>1</sup>
Armyworms	Elm spanworms	Mosquitoes <sup>1</sup>	Spittlebugs
Azalea caterpillars	Flea beetles	Oleander moth larvae	Striped beetles
Bagworms	Flies <sup>1</sup>	Orchid weevil	Striped oakworms
Borer adults (incl. emerald ash borer and pine bark beetles) <sup>2</sup>	Fungus gnats	Pillbugs	Tent caterpillars
Boxelder bugs	Grasshoppers	Pine shoot moths	Thrips
Bristly rose slugs	Gypsy moth larvae	Pine tip moths	Ticks (including deer ticks)
Budworms	Japanese beetles (adult)	Plant bugs	Tussock moth larvae
California oakworms	June beetles (adult)	Psyllids (incl. pear psylla and peppertree psyllid)	Walnut caterpillars
Cankerworms	Lace bugs	Redhumped caterpillars	Wasps <sup>1</sup>
Casebearers	Leaf-feeding caterpillars	Rose midge <sup>4</sup>	Webworms
Clover mites	Leafhoppers (incl. glassy-winged sharpshooter)	Rose slug	Whiteflies
Cockroaches <sup>3</sup>	Leafrollers	Sawfly larvae	Yellownecked caterpillars
Crickets <sup>1</sup>	Leaf skeletonizers	Scale insects (crawler stages)	

45-160 ml (1.5 to 5.4 fl. oz.) per 100 gallons of water

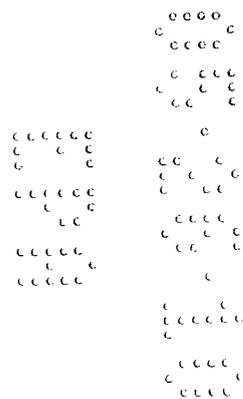
Applications should be started prior to establishment of high pest populations and reapplication made as necessary. Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader/sticker at recommended rates may enhance control of insects on certain species of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

<sup>1</sup> The use of Tempo® Ultra GC 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.

<sup>2</sup> Tempo® Ultra GC Insecticide is for preventative control of borer adults. For pine bark beetle adults, use the 5.4 fl. oz. rate, and treat the trunk of the tree. For control of adult borers of deciduous trees, use the 5.4 fl. oz. dose rate, and treat the foliage and the bark. For emerald ash borer make a minimum of two applications per season. The first application should be made in late-May/early June, or when adult beetles begin flying. Subsequent applications should be made approximately one month after the previous application.

<sup>3</sup> Outdoor cockroach control (including Asian cockroaches) is obtained by spraying Tempo® Ultra GC Insecticide on hiding or resting places, such as under shrubbery, in ground covers and mulching materials, in hollow trees, etc.

<sup>4</sup> Apply Tempo® Ultra GC Insecticide when midges are first observed. If populations are high, apply at two-week intervals until control is achieved.



**APPLICATIONS ON TURF:** Tempo® Ultra GC Insecticide mixes readily with water and/or various fertilizer solutions and can be used in appropriate spray equipment. 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.

<b>Recommended Applications for Turfgrass</b>				
(including golf courses, home lawns, around business and office complexes and multifamily residential complexes, airports, cemeteries, parks, playgrounds and athletic fields, and other landscape turfgrass)				
<b>PEST</b>				<b>DOSAGE Tempo® Ultra GC Insecticide</b>
Ants	Cutworms	Grasshoppers	Sod webworms	0.135-0.270 fl. oz. (4-8 mL) per 1000 sq ft or 6-12 fl. oz. (177-355 mL) per acre
Armyworms	Cranberry girdler	Japanese beetles (adults)	Ticks (including deer ticks)	
Crickets	Earwigs			
Billbugs (adults)	Chiggers	Fleas	Mole crickets <sup>2</sup>	0.270 fl. oz. (8 mL) per 1000 sq ft or 12 fl. oz. (355 mL) per acre
Black turfgrass atenioides (adults)	Fire ants <sup>1</sup>	Annual bluegrass weevil (adults)	Scorpions	
Chinch bugs				
<sup>1</sup> Aids in control only. <sup>2</sup> To control mole crickets, apply at peak egg hatch for best results.				
Apply when pests first appear. Reapply when necessary based on pest reinfestation, not exceeding 6 applications per year. For optimum control of armyworms, cutworms, cranberry girdler, and sod webworms, do not irrigate until spray residue is dry. Use the high rate for severe infestations, faster knockdown, and longer residual. Keep children and pets off treated areas until lawn has dried following the application.				

**RESTRICTIONS FOR TURFGRASS APPLICATION**

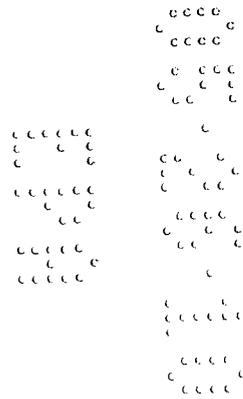
Do not apply this product by aerial application or by any type of chemigation system. Do not apply when the average windspeed is greater than 15 mph.

To avoid risk to sensitive aquatic areas, do not make applications within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

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.

Do not water the treated area to the point of run-off. Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.



**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** 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 OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

Tempo® Ultra GC Insecticide is specially formulated and sold by Bayer Environmental Science for the control of selected insects according to the directions on this label. Uses of Tempo® Ultra GC Insecticide other than those specified on this label are not licensed or otherwise authorized through the purchase of this product and the use of this product for other purposes including research and/or experimental uses are expressly prohibited.

**Net Contents: 30.43 fl. oz.**

Tempo is a registered trademark of Bayer Environmental Science



Bayer Environmental Science

**A Division of Bayer CropScience LP  
2 T. W. Alexander Drive  
RTP, NC 27709**

Tempo® Ultra GC (MASTER) Approved 03/20/06, Notification 04/17/09, Notification 05/17/10

