

432-1338

05-24-2011

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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, and
Add Bayer CropScience legal statement
Tempo 20 WP Golf Course Insecticide
EPA Reg. No. 432-1338
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.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

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® 20 WP Golf Course Insecticide

This label contains two separate label statements, for Water Soluble Packaging and non-WSP packaging

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

ACTIVE INGREDIENT:

Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate..... 20%

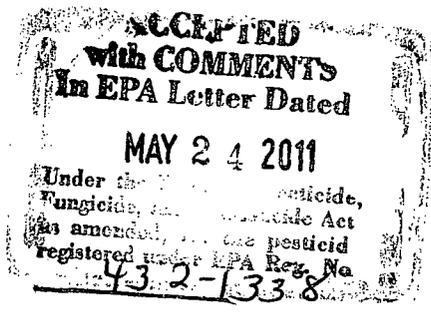
INERT INGREDIENTS:..... 80% 100%

EPA Reg. No. 432-1338

EPA Est. No. _____

STOP - Read the label before use. Keep out of reach of children.

CAUTION



Vertical barcode-like markings on the right side of the page.

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CAUTION

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

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

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

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

SYMPTOMS OF POISONING: In case of poisoning, call physician or Poison Control Center immediately. Have patient lie down and keep quiet.

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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 dust or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 20 WP Golf Course 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. 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 sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of 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 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. 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 in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

Add the appropriate amount of TEMPO 20 WP 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.

One level spoonful (as provided) or one level tablespoonful equals 6 grams. Do not re-use measuring utensils for feed, food, or drinking water purposes.

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, Tempo 20 WP Golf Course Insecticide will control the designated pests on trees, shrubs, foliage plants and flowers in outdoor landscaped areas and interior plantscapes where these plants are grown. Tempo 20 WP Golf Course Insecticide also controls designated pests in turf grasses.

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.

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 20 WP Golf Course 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 20 WP Golf Course Insecticide with MERIT 75 WSP Insecticide, the mixing sequence does not matter.

COMPATIBILITY: Tempo 20 WP Golf Course 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.

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 20 WP Golf Course 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 20 WP Golf Course 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. 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.

Recommended Applications for Landscape Ornamentals

(Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)

PEST				DOSAGE TEMPO 20 WP Golf Course Insecticide
Amyworms	Elm spanworms	Oleander moth larvae	Spiders*	36 grams
Azalea caterpillars	Flies*	Pillbugs	Striped oakworms	(1.3 oz)
Bagworms	Fungus gnats	Pine shoot moths	Tent caterpillars	Per
Bristly rose slugs	Gypsy moth larvae	Pine tip moths	Tussock moth larvae	100 Gal
California oakworms	Lace bugs	Redhumped caterpillars	Walnut caterpillars	
Cankerworms	Leaf-feeding caterpillars	Sawfly larvae	Webworms	
Crickets*	Midges*	Sowbugs	Yellownecked caterpillars	
Cutworms	Mosquitoes*			
Ants*	Elm leaf beetles	Leaf skeletonizers	Spittlebugs	54 grams
Aphids	Emerald ash borer (adult)***	Mealybugs	Striped beetles	(1.9 oz)
Boxelder bugs	Flea beetles	Orchid weevil	Thrips	Per
Budworms	Grasshoppers	Pear psylla	Ticks	100 Gal
Casebearers	Japanese beetles (adult)	Peppertree psyllid	(including deer ticks)	
Clover mites	Leafhoppers	Plant bugs	Tussock moth larvae	
Cockroaches**	Leafrollers	Scale insects (crawler stages)	Wasps*	
	June beetles (adult)		Whiteflies	

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 20 WP Golf Course 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 crops. 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.

***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.

APPLICATIONS ON TURF: Tempo 20 WP Golf Course 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 applications 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.

Recommended Applications for Turfgrass			
(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)			
PEST			DOSAGE TEMPO 20 WP Golf Course Insecticide
Ants Armyworms Crickets	Cutworms Earwigs	Grasshoppers Japanese beetles (adult)	Sod webworms Ticks (including deer ticks)
Black turfgrass ataenius (adults) Bluegrass billbug (adult) Chinch bugs	Chiggers Fire ants*	Fleas Hyperodes weevil (adult)	Mole crickets Scorpions
			5 to 7 grams per 1000 sq ft or 7.7 to 10.75 oz/A
			7 grams per 1,000 sq ft or 10.75 oz/A
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.

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.

