

DEC 17 1990

Mr. John S. Thornton  
Mobay Corporation  
Agricultural Chemicals Division  
P.O. Box 4913  
Kansas City, MO 64120

Dear Mr. Thornton:

Subject: Revised Labeling (Additional Pests/Sites)  
Tempo 20 WP In Water Soluble Packets  
EPA Registration No. 3125-396  
Your Applications Dated June 4, and July 31, 1990

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling change listed below before you release the product for shipment:

The labeling appears to be generally satisfactory with respect to rates and directions, with one notable exception. The rate specified for adult flea control on lawns and turf is only half of the lowest effective rate reported in Test No. 10.5K on page 407 of Volume 13 (1988) of "Insecticide and Acaricide Tests," even when 50 grams of product is applied to only 2,500 square feet. In Test No. 10K of the same volume, the lowest effective rate was 6 grams a.i. per 1,000 sq.ft., while the proposed label rate is only 1.43 grams a.i. per 1,000 sq.ft. at the 1 packet per 7,000 sq.ft. rate and 4.0 grams a.i. per 1,000 sq.ft. at the heavier 1 packet per 2,500 sq.ft. rate specified under certain conditions. You should provide support for the present label rates or specify 2 packets for 2,500 sq.ft. for fleas.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

Richards

-2-

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

A stamped copy of the label is enclosed for your records.

Sincerely,

George T. LaRocca  
Product Manager 15  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

PM13 3125-380 30710  
**LABELING FOR PRODUCT IN PVA WATER SOLUBLE PACKETS**

396-7067.YLD

Base Pre-Reg (7067)

**U.S. LABEL:**

**Reason to Issue:** To revise Outdoor Use (general surface spray) section to show dilution for 7,000 sq. ft., add earwigs, carpenter ants, and cluster flies, revise application paragraph, re-title to Perimeter Pest Control; to add adult fleas to pest list for home lawns; 5/11/90 Draft: to revise in accordance with internal review comments; 7/26/90 Draft: Under Outdoor Use section (1) show application to cover 2500 sq. ft. under certain conditions, (2) added the pests fleas (adult) and scorpions and (3) added control of imported fire ants.

Date of Draft: 7/26/90 (Pre-Reg) (S)  
Supersedes Pre-Reg Drafts Dated: 4/3/90  
5/11/90; and 6/4/90

ACCORDED  
with COMMENTS  
to EPA Letter Dated:

DEC 17 1990

EPA Reg. 3125-396

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**TEMPO® 20 WP**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.  
**3125-396**

**PowerPak**

**Insecticide**

**In Water Soluble Packets**

**FOR PEST CONTROL OPERATORS AND COMMERCIAL USE ONLY**

**FOR BROAD-SPECTRUM CONTROL  
OF CRAWLING AND FLYING  
INSECT PESTS ON OUTDOOR  
SURFACES, ORNAMENTALS,  
AND HOME LAWNS.**

**ACTIVE INGREDIENT:**

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

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

EPA Reg. No. 3125-396  
EPA Est. 33967-NJ-1

**KEEP WATER SOLUBLE PACKETS IN THIS CONTAINER AND STORE  
IN A COOL DRY PLACE BUT NOT BELOW FREEZING (32°F)**

**STOP - READ THE LABEL BEFORE USE**

**KEEP OUT OF THE REACH OF CHILDREN**

**CAUTION**

**See Rear Panel for Statements of Practical Treatment  
and Other Precautionary Statements**

**SELL IN ORIGINAL PACKAGES ONLY**

**CONTAINS EIGHT 50 GRAM WATER SOLUBLE PACKETS  
TOTAL NET CONTENTS 400 GRAMS**

**Sold by  
MOBAY CORPORATION  
A Bayer USA INC. COMPANY  
AGRICULTURAL CHEMICALS DIVISION  
SPECIALTY PRODUCTS GROUP  
Box 4913, Kansas City, Missouri 64120**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Exposure to the wettable powder can cause moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Avoid breathing dust or spray mist.

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. Wash hands thoroughly with soap and warm water after handling. If clothing becomes contaminated, remove and wash before reuse.

#### SYMPTOMS OF POISONING

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

#### STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with plenty of water. Call a physician if irritation persists. If swallowed: call a physician or Poison Control Center. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Avoid alcohol. If on skin: Wash thoroughly with soap and water. Get medical attention if irritation occurs. If inhaled: remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

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

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water. 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 20 WP 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.

#### 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.

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

### 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 20 WP 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. MOBAY 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 MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

### GENERAL INFORMATION

TEMPO 20 WP insecticide contains 20% active ingredient which will provide effective knockdown and residual control of the pests listed in this label.

This package contains pre-measured 50-gram water-soluble (PVA) "PowerPaks" of TEMPO 20 WP. These pre-measured packages are designed for use in power spray equipment. Do not allow the inner packets to become wet before adding to the spray tank. Do not handle the clear inner packets of TEMPO 20 WP with wet hands or gloves. Rough handling may cause breakage. Do not store at temperatures below 32°F. Allow packages to warm above 50°F before use. Cooler water temperatures increase the time needed for the inner packet to dissolve completely. Reseal outer carton to protect remaining packets.

TEMPO 20 WP is intended for use around buildings and structures, as well as on ornamentals and home lawns.

**MIXING:** The inner package of the foil packet contains TEMPO 20 WP insecticide and is water soluble.

To prepare the spray mixture, remove the outer foil wrapper and drop the unopened PVA packet into the spray tank while filling with water to the desired level. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within a few minutes from the time they were added to the water.

### TANK MIXING:

The user, at his discretion, can tank mix pesticides currently registered for use unless the product labels prohibit such use. 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.

# PERIMETER PEST CONTROL

(general surface spray)

For control of: Cockroaches, ants (including carpenter ants), crickets, cluster flies, earwigs, fleas (adult), sowbugs, pillbugs, boxelder bugs, elm leaf beetles, spiders, scorpions, centipedes, millipedes, ticks, flies, mosquitoes, midges, gnats, bees, wasps, yellow jackets, and hornets, as well as other occasional invading pests.

Mix one 50-gram packet of TEMPO 20 WP in sufficient water to adequately cover 7000 sq. ft. Under conditions of severe pest infestations or when quicker knock-down and/or longer residual control is needed, mix one 50-gram packet of TEMPO 20 WP in sufficient water to adequately cover 2,500 sq. ft. Refer to GENERAL INFORMATION section for mixing instructions.

Make applications to outside surfaces of buildings, porches, patios, garages and other areas where pests have been seen or found. To help prevent infestations of buildings by the above pests, treat soil, turf or other substrates adjacent to buildings and the building foundation, walls and soffit areas where these pests are active and/or may find entrance or harborage.

For control of tunneling carpenter ants, apply a drench or inject the solution at intervals of 8 to 12 inches, establishing a uniform vertical barrier at the edge of walks, driveways or other hard surfaces where ants are tunneling beneath these areas.

For aid in control of imported fire ants, 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 20 WP will provide contact activity and residual repellency in the active mound.

When using the injection treatment method it is essential that treatment be made to the bottom of the active mound. Apply solution throughout the downward and upward motion of the injector tool. Multiple injection sites may be needed to ensure complete distribution of the solution throughout the active mound.

Do not use TEMPO 20 WP to treat fire ant mounds in any food crop production area, pasture or area where food crop production may occur.

It is recommended to wear safety glasses, goggles, or face shield, and a respirator when making a general surface treatment above one's head.

## RECOMMENDATIONS FOR ORNAMENTALS AND HOME LAWNS

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, TEMPO 20 WP 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 in nurseries and greenhouses, and interior plantscapes (such as in hotels, shopping malls, office buildings, etc.) where these plants are grown. TEMPO 20 WP also controls designated pests in home lawns.

MIXING: Refer to GENERAL INFORMATION section for instructions.

APPLICATION: TEMPO 20 WP 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

PERIMETER PEST CONTROL (Continued)

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. When mixing a concentrated suspension, additional time may be required to fully dissolve the PVA packet(s). 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.

Do not apply this product through any type of irrigation system.

**COMPATIBILITY:** TEMPO 20 WP 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.

RECOMMENDED APPLICATIONS

CROP	PEST	TEMPO 20 WP	REMARKS
		per 138 gal	
Ornamentals (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Armyworms	50 grams	Applications should be started prior to establishment of high pest populations and reapplications 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 surfaces.  *The use of TEMPO 20 WP for the control of crickets, spiders, midges, 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.
	Azalea caterpillars		
	Bagworms		
	Bristly rose slugs		
	California oakworms		
	Cankerworms		
	Crickets*		
	Cutworms		
	Elm spanworms		
	Flies*		
	Fungus gnats		
	Gypsy moth larvae		
	Lace bugs		
	Leaf-feeding caterpillars		
	Midges*		
	Mosquitoes*		
	Oleander moth larvae		
	Pillbugs		
	Pine shoot moths		
	Pine tip moths		
	Redhumped caterpillars		
	Sawfly larvae		
	Sowbugs		
	Spiders*		
	Striped oakworms		
	Tent caterpillars		
	Tussock moth larvae		
	Webworms		
	Yellownecked caterpillars		

RECOMMENDED APPLICATIONS

CROP	PEST	TEMPO 20 WP per 92.6 gal	REMARKS
Ornamentals (Continued) (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Ants* Aphids Boxelder bugs Budworms Casebearers Clover mites Cockroaches** Elm leaf beetles Flea beetles Grasshoppers Japanese beetles (adult) June beetles (adult) Leafhoppers. Leafrollers Leaf skeletonizers Mealybugs Orchid weevil Pear psylla Peppertree psyllid Plant bugs Scale insects (crawler stages) Spittlebugs Striped beetles Thrips Ticks Tussock moth larvae Wasps* Whiteflies	50 grams	Applications should be started prior to establishment of high-pest population and reapplications 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 for the control of ants, and wasps 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 any 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.

RECOMMENDED APPLICATIONS

Area Applications on Home Lawns:

TEMPO 20 WP mixes readily with water and/or various fertilizer solutions and can be used in appropriate spray equipment to treat home lawns. 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 lawns have dried following application.

CROP	PEST	Rate of TEMPO 20 WP	REMARKS
Home Lawns Only	Ants Armyworms Crickets Cutworms Earwigs Grasshoppers Japanese beetle (adult) Sod webworms Ticks	50 grams per 10,000 sq. ft.	Apply when pests first appear. Reapply when necessary based on pest reinfestations. 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.
	Bluegrass billbug (adult) Chinch bugs Chiggers Fleas (adult) Hyperodes weevil (adult) Mole cricket	50 grams per 7,143 sq. ft.	

STORAGE AND DISPOSAL

Not For Storage In or Around the House

Pesticide Disposal: Do not contaminate water, food, or feed by storage or 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. After removing all PVA packets, the carton may be disposed of in the trash. The empty foil wrappers may be wrapped in newspaper and disposed of in the trash.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Do not store below freezing (32°F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store water soluble packets in foil and in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container carefully. Do not cut water soluble packets when opening. 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 above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

TEMPO is a Reg. TM of Bayer AG, Germany.