

Reason to Issue: To propose registration of product in water soluble packets. Date of Draft: 11/29/89 (Pre-Reg) (S)

EPA File Symbol No. 3125-XXX

**ACCEPTED**  
Feb. 2, 1990  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. ~~3125-XXX~~ 375

TEMPO™ 20 WP

T & O Insecticide

In Water Soluble Packets

PEST CONTROL OPERATORS AND COMMERCIAL APPLICATOR USE ONLY

FOR BROAD-SPECTRUM CONTROL OF CRAWLING AND FLYING INSECT PESTS FOR 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%

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EPA Est. No. 3125-MO-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

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY

CONTAINS EIGHT 60 GRAM WATER SOLUBLE PACKETS  
TOTAL NET CONTENTS 480 GRAMS

NOBAY 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

Causes 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 thoroughly with soap and warm water after handling. Remove contaminated clothing 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 vom 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 T & O 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.)

## TEMPO 20 WP T & O Insecticide In Water Soluble Packets

### 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 20 WP T & O 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 T & O 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 60 gram water soluble (PVA) packets of TEMPO 20 WP T & O Insecticide. 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 T & O Insecticide 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.

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

**MIXING:** The enclosed packets containing TEMPO 20 WP T & O Insecticide are water soluble. Do not allow packet to become wet prior to adding to the spray tank. Do not handle with wet hands. Reseal outer carton to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under use instructions, 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 approximately 5 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.

OUTDOOR USE

(general surface spray)

For control of: Cockroaches, ants, crickets, scabbugs, pillbugs, boxelder bugs, elm leaf beetles, spiders, centipedes, millipedes, ticks, flies, mosquitoes, midges, gnats, bees, wasps, yellow jackets, and hornets.

Mix one 60 gram packet of TEMPO 20 WP T & O Insecticide per 6.3 gallons of water, refer to General Information section for mixing instructions. Apply as a general surface spray using 1 gallon of suspension per 1000 square feet.

Make applications to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or found. To help prevent infestations of buildings by the above pests, treat a 5 to 10 foot band of soil, turf or other substrate adjacent to buildings and the building foundation to a height of 2 to 3 feet where these pests are active and may find entrance.

RECOMMENDATIONS FOR ORNAMENTALS AND HOME LAWNS

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, TEMPO 20 WP T & O 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 T & O Insecticide also controls designated pests in home lawns.

MIXING: Refer to General Information section for instructions.

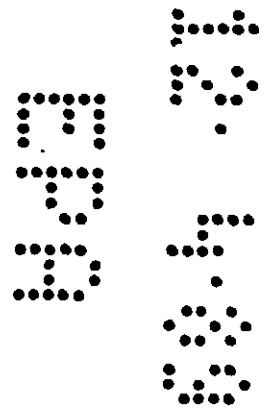
APPLICATION: TEMPO 20 WP T & O Insecticide mixes readily with water and may be used in all types of spray equipment. Mix product with the required amount of water and apply as a dilute spray application to the point of run-off. When spraying hard-to-wet foliage such as holly, pine or ivy, the addition 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. 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 T & O 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.

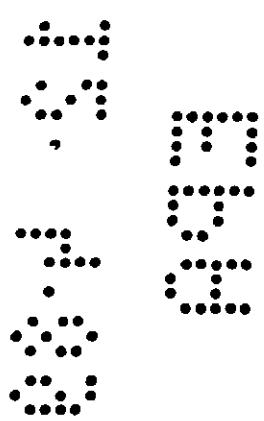
RECOMMENDED APPLICATIONS

CROP	PEST	TEMPO 20 WP per 166.5 gal	REMARKS
Ornamentals (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Armyworms Azalea caterpillars Bagworms Bristly roseslugs 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	60 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 T & O 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.



RECOMMENDED APPLICATIONS

CROP	PEST	TEMPO 20 WP per 111 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	60 grams	<p>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.</p> <p>*The use of TEMPO 20 WP T &amp; O 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 any spray or drift to contact fish-bearing water.</p> <p>**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.</p>



**TEMPO 20 WP T & O Insecticide In Water Soluble Packets**

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**RECOMMENDED APPLICATIONS**

**Area Applications on Home Lawns:**

TEMPO 20 WP T & O Insecticide 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	60 grams per 12,000 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 Hyperodes weevil (adult) Mole crickets	60 grams per 8,571 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.

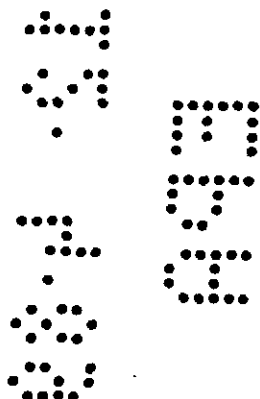
Pesticide wastes are hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Do not use container in connection with food, feed, or drinking water. Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 packets 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 TM of Bayer AG, Germany.





LABELING FOR 60 GRAM PVA PACKET

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TEMPO<sup>TM</sup> 20 WP

T & O Insecticide

ACTIVE INGREDIENT:

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

EPA File Symbol No. 3125-XXX

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

(See Outer Package for Directions and Precautions)

NET WT. 60 GRAMS

