

432-1302

3/21/2011

10A18



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Jan Brill
Bayer Environmental Science
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 270709

MAR 21 2011

Dear Mr. Brill:

Subject: Application for Pesticide Notification (PRN 98-10)
Comply with Agency pyrethroid labeling letter dated June 4, 2009, and
Revise per Pesticide Registration Notice 2007-4 (Container Disposal),
Tempo 20 WP Insecticide
EPA Reg. No. 432-1302
Your submission dated May 21, 2010

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated May 21, 2010 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our 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 "Mark Suarez".

Mark Suarez
Product Manager 13
Insecticide Branch
Registration Division (7505P)

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060

| | | | |
|---|---|--|-----------------------|
|  EPA | United States Environmental Protection Agency Washington, DC 20460 | <input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other: | OPP Identifier Number |
|---|---|--|-----------------------|

Application for Pesticide - Section I

| | | |
|---|--|---|
| 1. Company/Product Number 432-1302 | 2. EPA Product Manager M. Suarez | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Tempo 20 WP Insecticide | PM# 13 | |
| 5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 2 T.W. Alexander Dr. Raleigh, NC 27709 <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.)

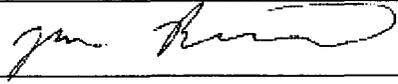
Notification of Label Changes per PR Notices 2007-4 & 98-10 and EPA letter dated June 4, 2009

Notification of label changes per PR Notices 2007-4 & 98-10, and per June 4, 2009 letter from Environmental Protection Agency. This notification is consistent with the guidance of PR Notices 2007-4 & 98-10, the June 4, 2009 letter, and EPA regulations at 40 CFR § 156. 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 40 CFR § 156, 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.

Section - III

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

Section - IV

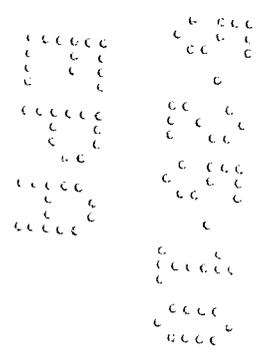
| | | |
|--|---|--|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application) | | |
| Name Jan Brill | Title Manager, Registrations | Telephone No. (Include Area Code) 919/549-2421 |
| I certify that the statements I 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  | 3. Title Manager, Registrations | |
| 4. Typed Name Jan Brill | 5. Date 21 May 2010 | |

Tempo 20 WP Insecticide
EPA Reg. No. 432-1302
21 May 2010

Section II Explanation – Continued

Notification of changes to labeling

1. Pages 1 & 2, Incorporated the relevant verbiage required for professionally applied liquid products containing pyrethroids into the Environmental Hazard & Directions for Use sections of the labeling as dictated by EPA's June 4, 2009 letter entitled "Environmental Hazard and General Labeling for Pyrethroid Non-Agricultural Outdoor Products Notification".
 2. Page 13, Revised container disposal statement in accordance with PR Notice 2007-4
- Fyi - Warranty statement upgrade was previously approved in 5-30-07 stamped approved label.



409 18



Bayer Environmental Science

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

ATTN: Mark Suarez, PM #13

Subject: Tempo 20 WP Insecticide
EPA Reg. No. 432-1302
Notification of Label Changes per PR Notices 2007-4 and per EPA letter dated June 4, 2009

Dear Mr. Suarez,

With this submission, Bayer Environmental Science notifies EPA of Label Changes to bring the subject product into compliance with the June 4, 2009 EPA letter entitled "Environmental Hazard and General Labeling for Pyrethroid Non-Agricultural Outdoor Products Notification", and with PR Notice 2007-4.

To effect this action, enclosed please find the following;

1. EPA Form 8570-1 with explanation page
2. 1 copy of proposed labeling for the subject product
3. 1 copy of proposed labeling with the changes highlighted

May 21, 2010

Bayer Environmental Science
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

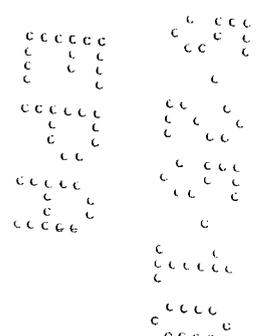
Tel. 919 549-2421
Fax. 919-549-3937

I trust that this completes the documentation for this registration action. If you have any questions, or require further information, please contact me either by telephone at 919/549-2421 or email at jan.brill@bayercropscience.com

Sincerely,

Manager, Registration

Email; jan.brill@bayercropscience.com



50 of 18

NOTIFICATION

MAR 21 2011

Tempo[®] 20 WP Insecticide

For Pest Management Professionals and 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-dichloroethyl)- 2,2-dimethylcyclopropane-carboxylate 20%

OTHER INGREDIENTS: 80%
100%

EPA Reg. No. 432-1302

EPA Est. No. _____

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

CAUTION

FIRST AID

| | |
|--|---|
| 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. |
| 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 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. |
| <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For <u>MEDICAL</u> and <u>TRANSPORTATION</u> Emergencies <u>ONLY</u> Call 24 Hours A Day 1-800-334-7577. For <u>PRODUCT USE</u> Information Call 1-800-331-2867.</p> | |
| <p>Note To Physician: No specific antidote is available. Treat the patient symptomatically.</p> | |

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. Wash thoroughly with soap and warm water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and other aquatic organisms. Remove from premises or tightly cover fish tanks and disconnect aerators when applying indoors where such containers are present. 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 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.

| PRO FACTS | |
|--|--|
| <ul style="list-style-type: none"> • Quick Knockdown & Residual Control • Low Odor | <ul style="list-style-type: none"> • Non-staining • No phytotoxicity on a wide range of ornamentals |
| TEMPO 20 WP | <ul style="list-style-type: none"> • Wettable powder containing 20% cyfluthrin |
| CONTROLS | <ul style="list-style-type: none"> • Indoor Pests <ul style="list-style-type: none"> - General Household Pests - Pantry and Stored Product Pests - Food Processing Pests • Outdoor/ Perimeter Pests • Wood-Infesting Pests • Turf and Ornamental Pests <p><i>For list of specific insects, see directions for use.</i></p> |
| WHERE TO APPLY | <p>Apply where pests have been seen or found, or can find shelter.</p> <ul style="list-style-type: none"> • In and around buildings and structures • On residential, commercial and recreational areas of turf • On ornamentals in landscapes and interior plantscapes |
| COVERAGE | <ul style="list-style-type: none"> • Makes up to 42 gallons of finished spray solution for indoors. (420 g size) • Treats up to 42,000 sq ft outdoors. (420 g size) |
| MIXING INFORMATION | <ul style="list-style-type: none"> • Mix the appropriate amount of TEMPO 20 WP with water. • May tank mix with other pesticides currently registered for similar uses, unless specifically prohibited. |
| HOW TO APPLY | <ul style="list-style-type: none"> • General surface spot, mist, or crack & crevice application. • Broadcast application to turf and foliar application to ornamentals. |
| RE-APPLY | <ul style="list-style-type: none"> • Every 7 to 10 days, if needed. • For turf, reapply if needed, but not more than 6 times per year. |
| RE-ENTRY | <ul style="list-style-type: none"> • Avoid contact with treated surfaces until dry. • People and pets may re-enter after the treated area is dry. |
| APPLICATION RESTRICTIONS | <ul style="list-style-type: none"> • Do not water the treated area to the point of run-off. • Do not make applications during rain. • All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: <ol style="list-style-type: none"> (1) Treatment to soil or vegetation around structures; (2) Applications to lawns, turf, and other vegetation; (3) Applications to building foundations, up to a maximum height of 3 feet. • Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only. • 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. |
| QUESTIONS | <p>For questions or comments, call toll-free 1-800-842-8020 www.nobugs.com</p> |

DIRECTIONS FOR USE

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

IMPORTANT: Read entire label and Conditions of Sale before using this product.

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

STRUCTURAL PESTS

FOR RESIDUAL PEST CONTROL IN AND AROUND BUILDINGS, STRUCTURES, FOOD/FEED HANDLING ESTABLISHMENTS AND MODES OF TRANSPORT

Use TEMPO 20 WP as a general surface, spot, mist, or crack and crevice treatment in and around buildings and structures. This includes schools, factories, stores, warehouses, hospitals, food processing facilities, and modes of transport. For a list of common facilities where this product may be used, see Appendix.

INDOOR-PESTS

| General Household Pests | Pantry & Stored Product Pests | Food Processing Pests |
|--|--|--|
| <p><u>Crawling Pest</u> Ants (except Pharaoh) Bedbugs Carpet beetles Centipedes Clothes moths Cluster fly Cockroaches Crickets Darkling beetles Earwigs Firebrats Millipedes Pillbugs Silverfish Sowbugs Spiders <u>Flying Pests</u> Flies Gnats Hornets Midges Moths Wasps Yellow jackets</p> | <p><u>Beetles</u> (exposed adults & immature stages) Cadelle Cigarette Confused flour Dermestid Drugstore Granary weevil Hide Larder Leather Lesser grain borer Lesser mealworm Merchant grain Mealworm Red flour Rice weevil Sawtoothed grain Warehouse <u>Moths</u> Indian meal Mediterranean flour</p> | <p>Fruit flies Phorid flies Sciariid flies Also includes: General Household Pests Pantry & Stored Product Pests</p> |

WHERE TO APPLY Apply where pests have been seen or found, or can find shelter. Use a general surface, spot, mist, or crack and crevice application.

USE RATE
 0.05% -- 10 g (2 scoops) /gal water
 0.1% -- 20 g (4 scoops) /gal water
 • Use high rate for severe infestations, faster knockdown, and longer residual.
 • Always use the high rate for bees, wasps, yellow jackets and hornets.

| INDOOR PESTS (continued) | |
|---|--|
| <p>HOW TO APPLY</p> <p>(Also see APPLICATION FOR INDOOR PESTS)</p> | <ul style="list-style-type: none"> Remove or tightly cover fish tanks and disconnect aerators during application. Remove pets during application and until treated surfaces are completely dry. Avoid contact with treated surfaces until dry. Wear safety glasses, goggles, or face shield and a dust/mist respirator when treating overhead areas. <p><u>General Surface Applications</u></p> <ul style="list-style-type: none"> Use a low-pressure system (do not exceed 50 psi at nozzle tip), with a fan-type nozzle to apply the dilution uniformly. 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. <p><u>Spot, Mist, or Crack and Crevice Applications</u></p> <ul style="list-style-type: none"> Apply directly into voids, cracks and crevices using spray or foam equipment. Spray: Use a low-pressure system (do not exceed 50 psi at nozzle tip), with a pinpoint or variable pattern nozzle or applicator equipment that delivers low volume treatments, such as the Micro-Injector® or Actisol®. Foam: Use appropriate foam generating equipment to supply a sufficient volume of foam. Mix the dilution with manufacturer's recommended volume of foaming agent. |
| <p>WHEN TO APPLY</p> | <ul style="list-style-type: none"> When pests are seen or found Re-apply every 7 to 10-days if needed. |
| <p>MIXING INFORMATION</p> | <ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. <p>Can be tank mixed with other pesticides currently registered for similar uses. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products. Follow the most restrictive of labeling directions and precautions. Do not exceed label rates.</p> |
| <p>RESTRICTIONS</p> | <ul style="list-style-type: none"> Do not treat entire area of floor or floor coverings. Do not apply where electrical short circuits can occur. Use a dust or dry bait in these areas. Do not apply in occupied hospital and/or nursing home rooms. Occupants may return when surfaces have dried. Do not apply in occupied classrooms. Do not apply to furniture or upholstery where prolonged contact by humans will occur. Do not apply as a space spray. |

| ADDITIONAL DIRECTIONS FOR FOOD AND FEED HANDLING ESTABLISHMENTS | |
|--|---|
| WHERE TO APPLY | <p>Applications may be made to both Food/Feed and non-food areas of food and feed handling establishments.</p> <p>Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared, or served. Includes areas for:</p> <ul style="list-style-type: none"> • receiving, storing and packing (canning, bottling, wrapping, boxing) food • preparing food • edible waste storage • enclosed processing systems (mills, dairies, edible oils, syrups) of food. <p>Serving areas where food is exposed and the facility is in operation are also considered food areas.</p> |
| USE RATE | <ul style="list-style-type: none"> • Apply as a general surface spot, mist, or crack & crevice application. 0.05% --10 g (2 scoops) /gal water 0.1% -- 20 g (4 scoops) /gal water • Use high rate for severe infestations, faster knockdown, and longer residual. |
| HOW TO APPLY (Also see INDOOR PESTS) | <p><u>General Surface Applications</u> Cover or remove all food processing and handling equipment before treatment. After applying where food is commercially prepared or processed, wash all handling and processing equipment, benches, shelving, and other surfaces which food will contact. Rinse thoroughly with clean, fresh water. Do not apply to surfaces in food-handling areas when facility is in use or when foods are exposed. Do not apply directly to food.</p> <p><u>Spot or Crack & Crevice Applications</u> Spot or crack and crevice application is permitted while facility is in use. Cover or remove food from area being treated. Do not apply directly to food or food handling surfaces.</p> |

| APPLICATION FOR INDOOR PESTS | | | | | | | | | |
|---|---|-----------|------|---------------|------------------------|-------------|---------------------|---|---------------------|
| GENERAL HOUSEHOLD PESTS Cockroaches, Crickets, Silverfish, Spiders, and others | <ul style="list-style-type: none"> Use a coarse, low-pressure spray. Treat entry points such as around water pipes, doors, windows, and eaves. Treat areas where pests normally feed or hide such as baseboards, corners, around water pipes, under refrigerators, cabinets, sinks, and stoves, being sure to spray cracks & crevices. Spot treat floor or rugs beneath furniture, in closets, and storage areas, but do not apply to entire floor area. Do not use as a "space spray". IGR Note: This product can be tank mixed with an insect growth regulator (IGR) for extended cockroach control. | | | | | | | | |
| ANTS | <ul style="list-style-type: none"> Apply to ant trails on walls, tile, baseboards, around pipes, under cabinets, and other places where ants are active. Treat entry points such as windows and doors and the outdoor perimeter. For best results, treat nests when possible. | | | | | | | | |
| PANTRY AND STORED PRODUCT PESTS | <ul style="list-style-type: none"> For best results, clean area before treating. Remove and destroy infested food. Discard food accidentally contaminated with spray. For cupboards, shelving, or food storage areas: Remove utensils, exposed food, shelf paper, and other items before spraying. When dried, cover shelves with clean paper before replacing items. | | | | | | | | |
| COMMERCIAL STORED PRODUCT PESTS | <ul style="list-style-type: none"> Commercial storage or transportation: Clean and treat warehouses, production facilities, storage areas, rail cars, truck beds, and other areas where products are stored <i>before</i> filling with the product. | | | | | | | | |
| PESTS IN AIRCRAFT | For use only in aircraft cargo holds | | | | | | | | |
| PESTS IN LIVESTOCK HOUSING STRUCTURES including poultry houses & pet kennels | <ul style="list-style-type: none"> Apply as a general surface and/or a crack and crevice spray. For best results, clean facilities before applying and treat outdoor perimeter areas. Do not apply indoors where animals other than cattle or horses are present. Do not apply to animal feedstuffs or watering equipment. <p>For best results in the high alkaline environment of broiler houses due to litter content, pre-acidify mix tank water to a pH of 5.0 or less prior to mixing with water-miscible Tempo.</p> <table border="1"> <thead> <tr> <th>Acidifier</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td>white vinegar</td> <td>1/2 cup per one gallon</td> </tr> <tr> <td>citric acid</td> <td>1 oz per 18 gallons</td> </tr> <tr> <td>sodium bisulfate (poultry water treatment; PWT)</td> <td>1 oz per 32 gallons</td> </tr> </tbody> </table> | Acidifier | Rate | white vinegar | 1/2 cup per one gallon | citric acid | 1 oz per 18 gallons | sodium bisulfate (poultry water treatment; PWT) | 1 oz per 32 gallons |
| Acidifier | Rate | | | | | | | | |
| white vinegar | 1/2 cup per one gallon | | | | | | | | |
| citric acid | 1 oz per 18 gallons | | | | | | | | |
| sodium bisulfate (poultry water treatment; PWT) | 1 oz per 32 gallons | | | | | | | | |
| FLYING INSECTS | <ul style="list-style-type: none"> Apply to surfaces where pests collect or rest. | | | | | | | | |

| STRUCTURAL PESTS | | | | | | |
|-------------------------|---|-----------|----------------|------------|----------------|--|
| OUTDOOR/PERIMETER PESTS | | | | | | |
| Ants | Centipedes | Fire ants | Ground beetles | Pillbugs | Ticks | |
| Bees | Cockroaches | Firebrats | Hornets | Scorpions | Wasps | |
| Boxelder bugs | Cluster fly | Fleas | Midges | Silverfish | Yellow jackets | |
| Carpenter ants | Crickets | Flies | Millipedes | Sowbugs | | |
| | Elm leaf beetle | Gnats | Moths | Spiders | | |
| WHERE TO APPLY | <ul style="list-style-type: none"> Apply where pests have been seen or found, or can find shelter. Apply to buildings, porches, patios, garages, fences and other areas where pests are found. To prevent infestation, treat the building foundation, walls, and around doors, windows, and soffits where pests are active or may enter or hide; also treat the soil, turf, or other substrates adjacent to buildings. | | | | | |
| USE RATE | <ul style="list-style-type: none"> 10 to 20 g (2 to 4 scoops)/1,000 sq ft - See Table 1 for mixing directions. For fire ants and flying pests 0.05% -- 10 g (2 scoops) /gal water 0.1% -- 20 g (4 scoops) /gal water Always use the high rate for fire ants, bees, wasps, yellow jackets and hornets. Use high rate for severe infestations, faster knockdown, and longer residual. | | | | | |

| | |
|---|---|
| HOW TO APPLY (Also see APPLICATIONS FOR OUTDOOR/ PERIMETER PESTS) | <ul style="list-style-type: none"> • <u>Perimeter Treatment:</u> To help prevent infestation of structures, treat area adjacent buildings in a band up to 10 feet wide. Also treat the building foundation to a height of 2 to 3 feet in areas where pests are active or can find entrance. • Apply just enough dilution to adequately cover the area without excessive dripping or runoff. Volume can vary depending on the surface type treated. For example, mulch requires more spray than bare soil. If mulch is heavy, rake it back to expose soil before treating. • Avoid contact with treated surfaces until dry. |
| WHEN TO APPLY | <ul style="list-style-type: none"> • When pests are seen or found • Re-apply every 7 to 10-days if needed. |
| MIXING INFORMATION | <ul style="list-style-type: none"> • Add product when filling spray tank with water; shake or agitate mixture. • Diluted spray mixture can be stored overnight. Agitate before using. • Can be tank mixed with other pesticides currently registered for similar uses. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products. Follow the most restrictive of labeling directions and precautions. Do not exceed label rates. |

Table 1: Mixing Directions for Outdoor/Perimeter Applications

| Application Volume: Gallons/ 1,000 sq ft | Use Rate: Grams/ 1,000 sq ft | Scoops* of TEMPO 20 WP Diluted to These Volumes of Finished Spray | | | |
|--|------------------------------|---|---------|---------|---------|
| | | 3 gal. | 10 gal. | 15 gal. | 25 gal. |
| 2 | 10 | 3 | 10 | 15 | 25 |
| | 20 | 6 | 20 | 30 | 50 |
| 5 | 10 | 1 | 4 | 6 | 10 |
| | 20 | 2 | 8 | 12 | 20 |
| 10 | 10 | -- | 2 | 3 | 5 |
| | 20 | -- | 4 | 6 | 10 |

* 1 level scoop = 5 grams

| | |
|--|-------------------------|
| Formula for Determining the Percent Concentration in the Finished Spray | |
| (Scoops of TEMPO 20 WP) | = Percent Concentration |
| (Gallons of finished spray) X 37.85 | |

| APPLICATION FOR OUTDOOR/PERIMETER PESTS | |
|--|---|
| ANTS | Locate and treat ant nests, if possible. Follow trails of foraging workers, check under objects near the structure, and inspect other likely nest sites. If ants are nesting in the soil, thoroughly drench or inject the nest and surrounding soil. Treat ant trails around windows and doors, along sidewalks, or other areas where seen. Apply a perimeter treatment as described above. |
| BEEES, WASPS, YELLOW JACKETS, HORNETS | Use Rate: 0.1% concentration. Make pin stream applications directly to the nests. To help avoid stings treat nests in the evening when the insects are inside the nest. For best results, check nests within one or two days to ensure complete kill. Remove and destroy treated nests to prevent emergence of newly hatched insects, secondary pest problems, and possible staining from honey. If removal is not possible, retreat nests if necessary. |
| BOXELDER BUGS | Apply directly to boxelder bugs that have congregated around doors and windows and similar areas where they may enter structures. Apply perimeter treatment as described above. For best results, treat infested trees early in the season. Tree spraying may require ornamental license – check with your local regulator. |
| CENTIPEDES, MILLIPEDES, PILLBUGS, SOWBUGS | Apply perimeter treatment to reduce the number of insects from entering the structure. Thoroughly treat mulched areas. Reduce moisture areas from around the structure. |
| FIRE ANTS | Use Rate: 0.1% concentration Thoroughly drench or inject the entire mound. When using injection treatment, you must treat the bottom of the mound. Apply dilution or foam using a downward and upward motion of the injector tool. For complete distribution, inject in several points throughout the mound. Treat new mounds as they appear. Do not use in pastures or areas of food crop production. |
| FLEAS & TICKS | Make a perimeter treatment, concentrating on areas where pets rest or run. For ticks, treat likely harborage areas like along paths, tall grass and other vegetation. For best results, treat the entire area where ticks could be present. Begin treating in the spring. Ticks may be re-introduced from surrounding areas by host animals. Continue treating until frost to control both larvae and adult ticks. |
| FLIES | Use Rate: 0.05 to 0.1% Apply low-volume mist or spray to outside surfaces of buildings, porches, patios, garages, fences, and other areas where flies rest. CLUSTER FLY: Treat in late summer or fall, just before flies begin looking for winter shelter. Spray siding, eaves, around windows and doors, window screens, and attics. To help reduce infestations, treat cracks and crevices, attics and other indoor winter hiding places. Note: Cluster flies may appear during winter warm spells, while snow is still on the ground. |
| MOSQUITOES | Spray around landscape plants, turf and ground cover, under decks, around building foundations and other places where mosquitoes may rest. |
| SCORPIONS | Treat around piles of firewood and other areas where scorpions may hide. When possible, remove piles of materials that can harbor the pests. Apply a perimeter treatment. |

STRUCTURAL PESTS

| WOOD-INFESTING PESTS | | | |
|---|---|----------------|-----------------|
| <u>Beetles</u> | Carpenter ants | Carpenter bees | <u>Termites</u> |
| Ambrosia | | | Subterranean |
| Deathwatch | | | Formosan |
| False powderpost | | | Drywood |
| Old house borer | | | |
| Powderpost | | | |
| WHERE TO APPLY | <ul style="list-style-type: none"> Apply where pests have been seen or found, or can find shelter. | | |
| USE RATE | <ul style="list-style-type: none"> 0.1% -- 20 g (4 scoops) / gal water | | |
| HOW TO APPLY (Also see Application section) | <ul style="list-style-type: none"> Apply spray or foam as described in application section. Avoid contact with treated surfaces until dry. | | |
| WHEN TO APPLY | <ul style="list-style-type: none"> When pests are seen or found Re-apply every 7 to 10-days if needed. | | |
| MIXING INFORMATION | <ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. <p>Can be tank mixed with other pesticides currently registered for similar uses. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products. Follow the most restrictive of labeling directions and precautions. Do not exceed label rates.</p> <ul style="list-style-type: none"> <u>Foam applications:</u> Mix End-use dilution with manufacturer's recommended volume of foaming agent for 0.05 to 0.1% concentration. | | |

| APPLICATION FOR WOOD-INFESTING PESTS | |
|---|---|
| CARPENTER ANTS | <p><u>In houses and other structures:</u> Apply around doors and windows and other places where carpenter ants may enter. Spray or foam into cracks & crevices, or spray, mist or foam through small drilled holes into voids where ants or nests are present. Use enough spray or foam to cover the area. Do not exceed 1 gallon of dilution per 1,000 sq ft.</p> <p>Inside trees, utility poles, fencing and decking materials and similar structural members: Drill to find the interior infested cavity and inject dilution or foam using an appropriate treatment tool with a splashback guard.</p> <p><u>Tunneling in soil:</u> Apply as a soil drench or inject the dilution or foam in the soil at intervals of 8 to 12 inches. Use 1 gallon of dilution per 8 square feet. Establish a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.</p> <p><u>Protecting firewood from carpenter ants:</u> Treat soil beneath firewood before stacking at 1 gallon of dilution per 8 sq ft.</p> <p>Do not treat firewood with this product.</p> |
| CARPENTER BEES | <p><u>In structures:</u> Spray or foam directly into gallery entrance holes. Leave entrance open for 24 hours to be sure that returning adult bees are killed. When there is no activity, the hole may be sealed with a suitable sealant.</p> |
| WOOD-INFESTING BEETLES | <p>On surfaces in homes, apartments, and other structures</p> <p>For small areas, brush or spray evenly on wood surfaces.</p> <p>For large or overhead areas, thoroughly cover wood surfaces with a coarse spray.</p> <p>Protect surfaces below the treated area from accidental dripping by covering with disposable plastic sheeting or other material that can be thrown away after treatment.</p> <p><u>In localized areas:</u> Apply dilution or foam to voids and galleries in damaged wood, in spaces between wooden structural members, and between the sill plate and foundation. Apply to inaccessible areas by drilling, and then injecting, spraying, or misting the dilution or foam into the damaged wood or wall voids.</p> |
| (Continued on next column) | |

| APPLICATION FOR WOOD-INFESTING PESTS (continued) | |
|--|--|
| <p>DRYWOOD AND ABOVE-GROUND SUBTERRANEAN TERMITES</p> | <p>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. Such applications for termites are not a substitute for mechanical alteration soil treatment or foundation treatment. For active termite infestations get a professional inspection.</p> <p><u>In localized areas:</u> Apply dilution or foam to voids and galleries in damaged wood, to spaces between wooden structural members, and between the sill plate and foundation. Apply to inaccessible areas by drilling, and then injecting, spraying, or misting the dilution or foam into damaged wood or wall voids.</p> <p><u>Swarming or reproductive stages:</u> Apply dilution to the swarm or area on which the termites collect. Make applications to attics, crawl spaces, unfinished basements or man-made voids with a coarse fan spray to control exposed reproductive forms of termites.</p> <p>Above-ground termites inside trees, utility poles, fencing and decking materials and similar structural members: Drill to find the infested cavity and inject dilution or foam using an appropriate tool with a splashback guard.</p> <p><u>Termite carton nests:</u> Inject dilution or foam into building voids or tree cavities using a pointed injection tool. Several injection points to varying depths may be needed. For best results, remove carton nest material when possible.</p> <p><u>Protecting firewood from termites:</u> Treat soil beneath firewood before to stacking at 1 gallon of dilution per 8 sq ft.</p> <p>Do not treat firewood with this product.</p> |

| TURF PESTS | | |
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| TEMPO 20 WP controls designated pests on landscape and recreational turf. | | |
| TURF PESTS | | USE RATE |
| Ants | Grasshoppers | 5 to 10 grams (1 to 2 scoops) per 1,000 sq ft or 7.7 to 15.4 oz per acre |
| Armyworms | Japanese beetles (adult) | |
| Crickets | Sod webworms | |
| Cutworms | Ticks (including deer ticks) | |
| Earwigs | | |
| Black turfgrass ataenius (adults) | Fleas | 10 grams (2 scoops) per 1,000 sq ft or 15.4 oz per acre |
| Bluegrass billbug (adult) | Hyperodes weevil (adult) | |
| Chinch bugs | Mole crickets | |
| Chiggers | Scorpions | |
| Fire ants (aids in control) | | |
| WHERE TO APPLY | <p>For use on landscape and recreational turfgrass. Not for use on turf grown for research, commercial seed production, sale, or other commercial use.</p> <p>Not for use on golf course turf.</p> <p>Apply where pests have been seen or found, or can find shelter. Permitted areas include but are not limited to: home lawns, business complexes, apartment buildings, airports, cemeteries, parks, playgrounds, recreational fields, institutional grounds, athletic fields, and other landscape turf grass.</p> | |
| HOW TO APPLY (Also see APPLICATION FOR TURF PESTS) | <p>Use an accurately calibrated sprayer. Apply uniformly using spray nozzles with a coarse droplet size such as flood jet nozzles.</p> <p>Keep children and pets off treated areas until lawn has dried.</p> | |
| WHEN TO APPLY | <p>Apply when pests first appear. Reapply as needed based on pest reinfestation. Do not treat more than 6 times per year. Consult your state Cooperative Extension Office for the specific timing in your area.</p> | |
| MIXING INFORMATION | <ul style="list-style-type: none"> Add product when filling spray tank with water; shake or agitate mixture. Diluted spray mixture can be stored overnight. Agitate before using. <p>Can be tank mixed with other pesticides currently registered for similar uses. Follow the most restrictive of labeling directions and precautions. Do not exceed label rates.</p> <p>COMPATABILITY: Compatible with commonly used fungicides, miticides, liquid fertilizers and other insecticides. To be sure of physical compatibility, first prepare a sample in a small jar using the proper</p> | |

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| | proportions of water and products. |
| RESTRICTIONS | <ul style="list-style-type: none"> • Do not apply this product by aerial application or by any type of chemigation system. • Do not apply when the average wind speed is greater than 15 mph. • Do not allow drift onto ponds, streams, or lakes. • Do not apply when turf grass areas are water logged or the soil is saturated with water (i.e., will not accept irrigation). |

| APPLICATION FOR TURF PESTS | |
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| ARMYWORMS, CUTWORMS, SOD WEBWORMS | Do not water or mow for at least 24 hours following application. |
| BILLBUGS | Apply when adults first appear in the spring. In temperate climates, this application will also control overwintering chinch bugs. |
| CHINCH BUGS | For best results, water the turf immediately after application to aid in the penetration of the active ingredient into the thatch layer where chinch bugs dwell. |
| TICKS (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever) | For best results, treat the entire area where ticks could be present. Begin treating in the spring. Ticks may be re-introduced from surrounding areas by host animals. Continue treating until frost to control both larvae and adult ticks. |

| ORNAMENTAL PESTS | | | | | |
|---|---|---------------------------|----------------------|--------------------------------|------------------------------|
| TEMPO 20 WP controls designated pests on trees, shrubs, foliage plants and flowers in outdoor landscaped areas and interior plantscapes where these plants are grown. | | | | | |
| Ants | Cankerworms | Fungus gnats | Mealybugs | Plant bugs | Thrips |
| Aphids | Casebearers | Grasshoppers | Midges | Redhumped caterpillars | Ticks (including deer ticks) |
| Armyworms | Clover mites | Gypsy moth larvae | Mosquitoes | Sawfly larvae | Tussock moth larvae |
| Azalea caterpillars | Cockroaches | Japanese beetles (adult) | Oleander moth larvae | Scale insects (crawler stages) | Wasps |
| Bagworms | Crickets | June beetles (adult) | Orchid weevil | Sowbugs | Walnut caterpillars |
| Black vine weevil (adult) | Elm leaf beetles | Lace bugs | Pear psylla | Spiders | Webworms |
| Boxelder bugs | Elm spanworms | Leaf-feeding caterpillars | Peppertree psyllid | Spittlebugs | Whiteflies |
| Bristly rose slugs | Emerald ash borer (adult) | Leafhoppers | Pillbugs | Striped beetles | Yellownecked caterpillars |
| Budworms | Flea beetles | Leafrollers | Pine shoot moths | Striped oakworms | |
| California oakworms | Flies | Leaf skeletonizers | Pine tip moths | Tent caterpillars | |
| WHERE TO APPLY | <p>Use in landscapes and interiorscapes. Permitted areas include but are not limited to: parks, recreational areas, athletic fields, institutional grounds, hotels, malls, office buildings, and airports. Not for use on plants or turf grown for research, commercial seed production, sale, or other commercial use. Not for use in greenhouses or nurseries.</p> <p>Apply where pests are seen, have been found, or can find shelter among trees, shrubs, evergreens, ground covers, flowers, and foliage plants.</p> <p>No phytotoxicity has been observed on a wide range of ornamentals tested under various environmental conditions. If in doubt, first try this product on a small sample.</p> <p>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.</p> | | | | |
| USE RATE | <ul style="list-style-type: none"> • 55 to 190 grams TEMPO 20 WP per 100 gallons of water • Use high rate for severe infestations, faster knockdown, and longer residual. • Use high rate for control of emerald ash borer. | | | | |
| (continued on next column) | | | | | |

| ORNAMENTAL PESTS (continued) | |
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| HOW TO APPLY (Also see APPLICATION FOR ORNAMENTAL PESTS) | <p>Apply as a dilute spray just to the point of run-off but do not allow excess run-off. For hard-to-wet foliage such as holly, pine, or ivy, adding a spreader-sticker may enhance knockdown and residual activity. For best results, spray thoroughly for good coverage including the underside of leaves for pests that feed or rest there.</p> <ul style="list-style-type: none"> • Spray plants in bloom at times when pollinating insects are not present, such as early morning or late evening. • Remove any animal feeding dishes prior to treatment. <p>Avoid contact with treated surfaces until dry.</p> |
| WHEN TO APPLY | <ul style="list-style-type: none"> • Apply when pests first appear. Reapply as needed based on pest infestation. • Consult your state Cooperative Extension Office for the specific timing in your area. |
| MIXING INFORMATION | <ul style="list-style-type: none"> • Add product when filling spray tank with water; shake or agitate mixture. • Diluted spray mixture can be stored overnight. Agitate before using. <p>Can be tank mixed with other pesticides currently registered for similar uses. Follow the most restrictive of labeling directions and precautions. Do not exceed label rates.</p> <p>COMPATABILITY: Compatible with commonly used fungicides, miticides, liquid fertilizers and other insecticides. To be sure of physical compatibility, first prepare a sample in a small jar using the proper proportions of water and products.</p> |
| RESTRICTIONS | <ul style="list-style-type: none"> • Do not apply to any food crop. • Do not allow drift onto ponds streams or lakes. |

| APPLICATION FOR ORNAMENTAL PESTS | |
|---|---|
| ANTS, CRICKETS, SPIDERS, MIDGES, WASPS AND FLIES | Apply as a general spray, concentrating on damp areas beneath shrubbery, around foundations and in areas of tall grass or weeds in ornamental areas and areas adjacent to buildings. |
| BAGWORMS | Spray when bagworms first begin to hatch. If possible, apply directly to the larvae. Young larvae are easier to control. |
| BLACK VINE WEEVIL (adult) | Use rate: 75 to 190 grams per 100 gallons of water. Apply as needed when adults and damage are first noticed in spring and at 3 to 4 week intervals while weevils and notching are observed. Addition of a spreader/sticker at recommended rates may enhance control of insects on certain species of ornamentals having difficult to wet foliage. |
| COCKROACHES | Spray hiding or resting places such as under shrubbery, in ground covers and mulching materials, in hollow trees, etc. |
| SCALE (CRAWLERS) | Spray thoroughly, including foliage, trunk, limbs, and twigs. |

| STORAGE AND DISPOSAL | |
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| Do not contaminate water, food, or feed by storage or disposal. | |
| Storage: | <ul style="list-style-type: none"> • Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or 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. |
| Pesticide Disposal: | <ul style="list-style-type: none"> • 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: | <ul style="list-style-type: none"> • Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate, 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. • Do not use container in connection with food, feed, or drinking water. • Completely empty container into application equipment. Triple rinse, or equivalent. • Dispose of container by offering for recycling or reconditioning. Or puncture and dispose of container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke. |
| Spills: | <p>If the container is leaking or material is 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.</p> <ul style="list-style-type: none"> • Do not walk through spilled material. • Dispose of as directed for pesticides above. • Keep unauthorized people away. • You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance at 1-800-414-0244. |

APPENDIX

Use TEMPO 20 WP as a general surface, spot, mist, or crack and crevice treatment.

Permitted areas of use in buildings, structures, and modes of transport include, *but are not limited to:*

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • apartment buildings • bakeries • bottling facilities • breweries • buses • cafeterias • candy plants • cereal processing and manufacturing plants • correctional facilities, • dairies and dairy product processing plants • frozen food plants • grain mills | <ul style="list-style-type: none"> • granaries • greenhouses (structures only) (non commercial) • hospitals • hotels • houses • industrial buildings • kitchens • laboratories • livestock housing • pet kennels • manufacturing establishments • mausoleums | <ul style="list-style-type: none"> • meat and produce canneries • nursing homes • pickle factories • poultry houses • processing and packing plants • restaurants • schools • spice plants • stores • warehouses • wineries and similar structures • transportation vessels such as aircraft (cargo holds only), buses, trucks, trailers, rail cars, and marine vessels |
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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 LP 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.

Net Contents _____

Produced for



Bayer Environmental Science

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