

P M 101

100-143

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

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MAR 30 1993

Ms. Carolyn B. Bussey
Regulatory Manager
Agricultural Division
Ciba-Geigy Corporation
P.C. Box 18300
Greensboro, NC 27419-8300

Dear Ms. Bussey:

Subject: Triumph 4E
EPA Registration No. 100-643
Label Amendment Submitted November 10, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

- o Submit two(2) copies of your final printed labeling before you release the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

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

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

(Label amendment to add reduced rates (IPM) for surface feeders and to specify certain species of ants)

RESTRICTED USE PESTICIDE
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
Applicators Certification.
Restricted Due to Avian, Fish,
and Aquatic Organism Toxicity.

ACCEPTED
MAR 30 1993
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 100-643

TRIUMPH 4E INSECTICIDE

For Insect Control Only in Turf As Specified in Directions for Use

Active Ingredient:

Isazofos: O-(5-chloro-1-isopropyl-1H-1,2,4-triazol-3-yl)	
O,O-diethyl thiophosphate	15.8%
Inert Ingredients*	53.2%
Total:	100.0%

*Contains xylene

EPA Reg. No. 100-643
EPA Est. 100-AL-1

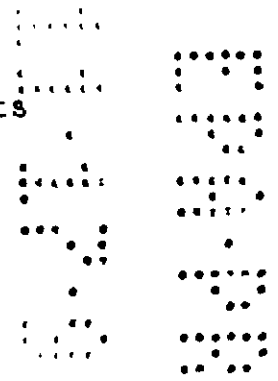
Triumph 4E contains 4 lbs. active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING

See directions for use and additional precautionary statements
inside booklet.

2 1/2 Gallons
U.S. Standard Measure



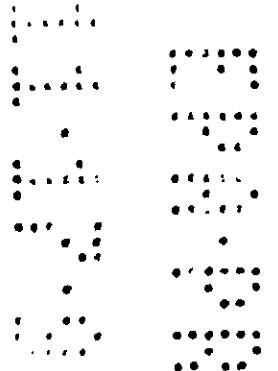
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and conditions of Sale and Warranty before using this product. If terms are unacceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.



Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. do not get on skin or clothing. Do not breathe vapors or spray mist. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, or smoking. Remove contaminated clothing and wash before reuse.

As soon as application is complete, apply 1/2 inch of water and allow grass to dry before children or pets are allowed on treated area.

Statement of Practical Treatment

If swallowed: Call a physician or poison control center immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, do so under medical supervision. Give victim one or two glasses of water and induce vomiting by touching back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth unless exposure was due to swallowing then use cardiopulmonary resuscitation (CPR). Get medical attention.

If on skin: Remove contaminated clothing, and wash skin with plenty of soap and water. Get medical attention.

If in eyes: Flush immediately with plenty of water. Get medical attention if irritation persists.

Note to Physician: Lavage stomach with care to prevent aspiration into lungs. Leave lavage tube in place. Make a thin water slurry or activated charcoal with 30 grams of charcoal in 3-4 ozs. of water. Instill the slurry through the lavage tube into the stomach and leave slurry in place. Atropine sulfate and 2-PAM are specific antidotes. Morphine, theophylline, aminophylline, and large amounts of intravenous fluids are contraindicated.

Environmental Hazards

This pesticide is toxic to fish, aquatic invertebrates, and wildlife. As soon as application is complete, apply 1/2 inch of water, however stop watering before puddling or runoff occurs. Avoid overwatering since excessive watering may reduce performance and increase potential runoff. Refer to the section Special Precautions to Avoid Hazard to Aquatic Organisms under the Directions for Use section for specific use directions to avoid hazard to fish and other aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not overlap spray patterns. Do not apply when weather conditions favor drift from treated areas. Cover, disc, or incorporate spill areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN GRASS INJURY, ADVERSE EFFECTS TO NON-TARGET ORGANISMS, OR POOR PEST CONTROL.

General Information

Triumph 4E is an emulsifiable concentrate which, when diluted with water and used according to label directions, controls numerous turf pests on lawns and other turf. DO NOT TREAT GOLF COURSE FAIRWAYS.

NOTES: 1. See Environmental Hazards and Special Precautions to Avoid Hazard to Aquatic Organisms for additional instructions to insure the proper use of Triumph. 2. Do not apply to sand or loamy sand soils. 3. As soon as application is complete, irrigate treated area with a minimum of 1/2 inch of water. 4. To avoid illegal residues, do not graze or use treated turf for feed.

SPECIAL PRECAUTIONS TO AVOID HAZARD TO AQUATIC ORGANISMS

Triumph 4E is highly toxic to fish and other aquatic organisms. Runoff resulting from rainfall or irrigation to treated turf may kill fish and other aquatic organisms.

To avoid hazard to fish and other aquatic organisms follow these instructions:

DO NOT apply to turf sites that border lakes, ponds, or streams.

DO NOT apply to turf sites that drain into ditches, storm sewers, or other surface drainage systems that flow into local reservoirs, holding ponds or other bodies of water.

Applicators MUST evaluate the following environmental factors prior to use of Triumph 4E on turf:

Residential Lawns: Survey the site prior to application to ensure that treatment areas do not border lakes, ponds, or streams.

Golf Courses: Apply only to tees, greens, and aprons. DO NOT APPLY TO FAIRWAYS. Inspect tees, greens, and aprons prior to application to ensure that they do not border lakes, ponds, or streams or that these areas do not drain directly into ditches that carry water into lakes, ponds, or streams.

Other Turf Sites (Especially Condominium, Apartment, and Housing Complexes): Survey the site prior to application to ensure that treatment areas do not border lakes, ponds, or streams. Review drainage system with site manager to determine location of drainage ditches, storm sewers, or other surface drainage systems that drain directly into local holding ponds, reservoirs, lakes, or streams. Apply Triumph 4E ONLY after this evaluation demonstrates that treatment sites do not border lakes, ponds, or streams or that application sites do not drain directly into such areas by way of ditches, storm sewers, or tile systems.

Mixing Instructions

Fill the spray tank 1/2 to 3/4 full with water, add the measured amount of Triumph 4E, then add the rest of the water. Provide sufficient agitation during mixing and spraying to maintain a uniform emulsion.

Sprayer Equipment

After use, rinse equipment thoroughly with clean water.

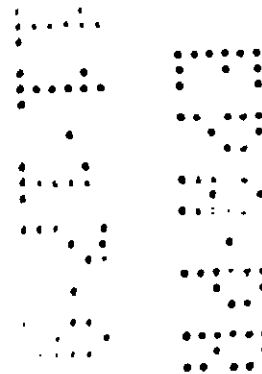
Application

A maximum of 1 application of Triumph 4E per year is permitted for the 1.5 fl. oz./1,000 sq.ft. (2 qt./A) rate. A maximum of 2 applications per year at least 60 days apart is permitted for the 0.75 fl. oz./1,000 sq. ft. (1 qt./A) rate. A maximum of 4 applications per year at least 60 days apart is permitted for the 0.375 fl. oz./1,000 sq. ft. (0.5 qt./A rate). Apply in sufficient water volume to provide uniform coverage.

Use Rates and Pests Controlled

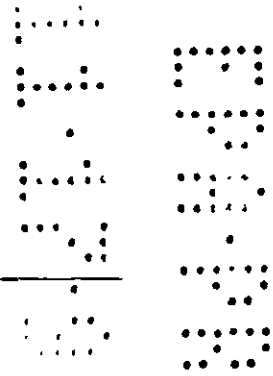
Triumph 4E will control specific turf pests when used as directed. Refer to the table below for use rates and pests controlled.

Triumph 4E can be used at low rates to effectively control billbugs, sod webworms, tropical sod webworms, chinch bugs, and certain species of ants when the product is used in conjunction with integrated pest management practices. These practices include scouting for insect activity, determination of optimum timing for pesticide application, consideration of damage threshold levels, noting environmental conditions that affect efficacy, and determination of the level of tolerance for turf damage. If Triumph is to be used as a part of such an integrated pest management program, use the lowest rate listed in the chart below for surface feeding insects.



Amount of Triumph
4E Per

Pest	1000 sq. ft.	Information
Armyworms Clover mites Crickets* Cutworms Grasshoppers* Leafhoppers Millipedes*	0.75 fl. oz.	For best control apply at first sign of pest damage. *For insects living near homes, in addition to treating the lawn, spray a 5-foot band of the lawn around the house. If lawn was treated, take care not to overlap previously treated area.
Argentine Ants (<u>Iridomyrmex</u> species) Odorous House Ant (<u>Tapinoma</u> species) Little Black Ant (<u>Monomor- ium</u> species) Cornfield Ant, Larger Yellow Ant (<u>Lasius</u> species) Pavement Ant (<u>Tetramorium</u> species) Texas Leaf- Cutting Ant, Allegheny Mound Ant (<u>Formica</u> species) Big-Headed Ant (<u>Pheidole</u> species)	0.375 to 0.75 fl. oz.	For best results, apply at first sign of pest damage. Use the lower rate in IPM programs.



Pest	Amount of Triumph 4E Per <hr/> 1000 sq. ft.	Information
Chinch Bugs, Sod Webworms, Tropical Sod Webworms	0.375 to 0.75 fl. oz.	For best results, apply at first sign of pest damage. Use the lower rate in IPM programs.
White grubs, such as Japanese beetle, European chafer, Southern masked chafer, Green June beetle, May/June beetle, <u>Phyllophaga spp.</u> , Black turf grass <u>Aetenius</u> , Asiatic garden beetle, Annual white grub, Dung beetle	1.5 fl. oz.	Apply after adults have ceased egg laying, usually in the late summer.
Mole crickets	1.5 fl. oz.	Apply in the Spring when nymphs are small.
Annual bluegrass weevil (Turfgrass weevil) (<u>Hyperodes</u> weevil)	1.5 fl. oz.	Apply in the Spring when damage is first noted.
Billbugs	0.375 to 1.5 fl. oz.	Apply in the Spring when adults first appear. Use the lower rate in IPM programs.

Storage and Disposal

Storage: Do not store in or around the home. Do not store below 0°F. Do not contaminate water, food, or feed by storage or disposal.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup or disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 day or night.

Pesticide: Wastes resulting from use of this product are acutely 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: Triple rinse container (or equivalent), then puncture and dispose of in a sanitary landfill, or incinerate, or burn if allowed by state and local authorities. Stay out of smoke from burning container.

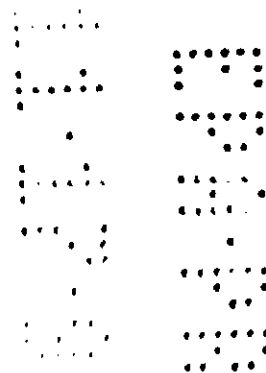
Triumph[®] trademark of CIBA-GEIGY Corporation
U.S. Patent Nos. 3,867, 396; 3,932,629

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA 48L7 B

October 5, 1992



Container label

RESTRICTED USE PESTICIDE
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
Applicators Certification.
Restricted Due to Avian, Fish,
and Aquatic Organism Toxicity.

TRIUMPH[®] 4E INSECTICIDE

For Insect Control Only in Turf As Specified in Directions for Use

Active Ingredient:
Isazofos: O-(5-chloro-1-isopropyl-1H-1,2,4-triazol-3-yl)
O,O-diethyl thiophosphate46.8%
Inert Ingredients*53.2%
Total:100.0%

*Contains xylene

Triumph 4E contains 4 lbs. active ingredient per gallon

See directions for use in attached booklet.

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 100-643
EPA Est. 100-AL-1

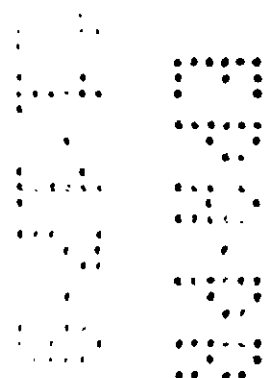
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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA 48L7 (2 1/2 Gallon Master Label)
CGA 48L14 (1 Gallon)
CGA 48L13 (1 Quart)

U.S. Standard Measure

October 5, 1992



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CIBA-GEIGY

October 5, 1992

