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Ms. Carolyn Bussey  
Novartis Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, N.C. 27419

JUL 30 1997

Dear Ms. Bussey:

Subject: Amendment- Add Deer Ticks & Lone Star Ticks  
by means of supplemental labeling  
D.z.n Diazinon 4E  
EPA Registration Number 100-463  
Your submission dated May 27, 1997

The amendment referred to above, submitted in connection with registrations under FIFRA section 3(c)(7)(a), are acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your products under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended (supplemental) labeling:
  - a) Revise the front panel claim "DEER TICKS WHICH MAY CAUSE LYME DISEASE" to either "DEER TICKS WHICH MAY TRANSMIT LYME DISEASE" or "DEER TICKS WHICH MAY CARRY LYME DISEASE".
  - b) In the referral to the full EPA registered label, please indicate the name of this product, D.z.n Diazinon 4E, rather than D.z.n Lawn & Garden Insect Control.
  - c) In the Lawn Pest Control Precautions, you may revise "Where irrigation (watering) is recommended..." to just "Where watering is recommended...".
  - d) You may wish to capitalize or to not capitalize the tick names throughout the label for consistency within this label as well

as with your other diazinon labels bearing these same pest claims.

- e) You may want to add "Do not treat animals with this product." to the end of the Remarks column of the Lawn Pest Control table as you have done at the end of the Nuisance Pests Outside the Home directions.
- f) In the Nuisance Pests Outside the Home directions, revise the beginning of the first sentence to read "To control deer ticks [or Deer Ticks] which may transmit [or may carry] Lyme Disease,". Also, you may want to have the Note appear in bold type as it does on your other diazinon products with these same pest directions.

3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are 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 these conditions.

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

Sincerely,

George T. LaRocca  
 Product Manager 13  
 Insecticide/Rodenticide Branch  
 Registration Division (7505C)



ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUL 30 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-463

**SUPPLEMENTAL LABELING**

**D-z-n® Diazinon 4E**

**Insecticide**  
**EPA Reg. No. 100-463**

Recommended for commercial/industrial use only.

This product must not be used on golf courses and sod farms.  
Outdoors, use only on home lawns and landscaped areas around the home.

**KILLS:**  
**DEER TICKS WHICH MAY CAUSE LYME DISEASE**  
**LONE STAR TICKS**

Active Ingredient:

Diazinon: O, O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.....	47.5%
<u>Inert ingredients:</u>	<u>52.5%</u>
Total:	100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

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RECD EPA/OPP/DPD1

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**DIRECTIONS FOR USE**

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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 PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY OR ILLEGAL RESIDUES**

Follow all applicable directions, restrictions, and precautions on the full EPA-registered D-z-n Lawn & Garden Insect Control label.

This label must be in the possession of the user at the time of application.

Note: Do not allow children or pets to enter treated area until spray has dried.

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**GENERAL INFORMATION**

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D-z-n Diazinon 4E is an emulsifiable concentrate product and is intended for use by pest control operators. Apply the product after dilution with water according to the directions for use for the control of those pests specified on this label. D-z-n diazinon 4E is not intended for use in preparing oil-base sprays.

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**Lawn Pest Control**

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*Precautions:* Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum

permitted label rates since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping sprays. When irrigation (watering) is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however stop watering before puddling occurs.

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion, and St. Augustinegrass.

To control the deer tick, which may transmit Lyme Disease, and the lone star tick, follow the directions below. Repeat as necessary

Rate per 1,000 sq. ft.

Pests	D·z·n diazinon 4E	Water	Remarks
Deer Tick	1 fl. oz.	3 gals.	Spray grass and under shrubbery particularly near house. Make the first application in Spring when ticks are first noticed. Contact your local Cooperative Extension Service or Health Department for additional information about controlling ticks.
Lone Star Tick	3/4 fl. oz.	3 gals.	

1 fl. oz. = 6 teaspoons or 2 tablespoons

1 tablespoon = 3 teaspoons

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**Nuisance Pests Outside the Home**

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Deer Ticks, Lone Star Ticks	To control deer ticks which may cause Lyme Disease, mix 1 fl. oz (2 tablespoons) in 3 gals. of water. To control the Lone Star Tick, mix 3/4 fl. oz.(1 1/2 tablespoons) in 3 gals. of water. Thoroughly spray window and door screens, window sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where ticks may hide. To prevent entry into houses, spray a 5-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary. Do not treat animals with this product.
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D-z-n® trademark of Novartis  
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Novartis Crop Protection, Inc.  
Greensboro, NC 27419

NCP

May 23, 1997