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10182-373

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

November 15, 1994

Force 3G Insecticide

DEC 20 1993

Zeneca Ag Products
1800 Concord Pike
Wilmington, DE 19897

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449786

This product is conditionally registered for a period not to exceed November 15, 1994 in accordance with FIFRA sec. 3(c)(7)(A) since you have agreed to:

1. Meet the conditions of the December 15, 1993 FAX to the Agency in which Zeneca committed to perform a new dermal sensitization study (see below) if supplemental information (received by the Agency on December 8, 1993) does not upgrade the study to acceptable status:

<u>GUIDELINE</u>	<u>STUDY TITLE</u>	<u>DUE DATE</u>
S81-6	Dermal Sensitization	Within nine months after Agency notification

The acute toxicity profile for this product is currently:

<u>STUDY</u>	<u>TOX CATEGORY</u>	<u>CLASSIFICATION</u>
ACUTE ORAL	III	GUIDELINE
ACUTE DERMAL	III	GUIDELINE
ACUTE INHALATION	III	GUIDELINE
PRIMARY EYE	III	GUIDELINE
PRIMARY SKIN	III	GUIDELINE
DERMAL SENSITIZATION		SUPPLEMENTARY

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

The dermal sensitization study is classified Supplementary for the following reasons:

- a. The main study results were inconclusive.
- b. Positive control substance stained the exposure sites and may have obscured any irritation that was present.
- c. Irritation observed at 24 hours after challenge of the positive control animals was not apparent 48 hours after challenge.

(For more information please refer to the Precautionary Review Section's review that was FAXed to you November 29, 1993).

2. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

3. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use(s) on field corn, popcorn and seedcorn are conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 29. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information is to be submitted to :

Registration Support Branch
Registration Division (7507W)
Environmental Protection Agency
401 M Street SW
Washington, DC 20460

4. Make the labeling change listed below before you release the product for shipment:

- a. Add the phrase, "EPA Registration No. 10182-373."
- b. Precautionary Statements should read as follows:

"Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash contaminated clothing before reuse."

- c. Revise your Statement of Practical Treatment as follows:

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of the throat with finger. Do not induce vomiting or give anything to an unconscious person.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

3 of 12

- d. Under Precautionary Statements the statement should read:
- " . . . Onset may occur immediately it 4 hours after exposure and may last 2-30 hours without apparent skin damage. . . "
- e. The meaning of "low dust/low rate" is unclear and must be qualified or deleted. Is it a comparison with Force 3G? If so, you must qualify the claim as follows (for example): "low dust/low rate in comparison with Force 3G."
- f. The section labeled Agricultural Use Requirements should be enclosed in a box.

5. The conditions of our June 13, 1993 letter for Force I.5G Insecticide (EPA Registration No. 10182-130) regarding the risk mitigation process for tefluthrin also apply to the subject product.

6. Submit five 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.

You should note that if you fail to satisfy any of the conditions imposed on this registration, e.g., you fail to submit the required data by the specified deadlines or the data submitted were not generated in accordance with the applicable test Guidelines, EPA may issue a Notice to Cancel this use under FIFRA section 6(e).

You should note that, regardless of whether you satisfy all applicable conditions, this conditional registration will expire automatically on November 15, 1994. Sale and distribution of the subject product bearing labeling for use on field corn, popcorn and seedcorn after November 15, 1994 will be illegal. The tolerance authorizing residues of the subject product on will expire automatically on July 31, 1994.

After that date, sale or distribution of food in interstate commerce containing any residues of the subject product will be a violation of the Federal Food, Drug, and Cosmetic Act.

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

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

RESTRICTED USE PESTICIDE
Toxic to Fish and Aquatic Organisms

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 Applicator's certification.

FORCE® 3G Insecticide

For Use to Control Insects on Field Corn, Popcorn, and Seedcorn

New Low Dust and Low Rate Formulation

ACTIVE INGREDIENT:

Tefluthrin

(2,3,5,6-tetrafluoro-4-methylphenyl)methyl-(1 α ,3 α)-(Z-(\pm))-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate 3.0%

INERT INGREDIENTS: 97.0%

Total 100.0%

Contains 3 lbs. active ingredient per 100 lbs. of granular insecticide.

ACCEPTED
with COMMENTS
in EPA Letter Dated

KEEP OUT OF REACH OF CHILDREN

DEC 20 1993

CAUTION

for the Federal Insecticide,
Fungicide, and Rodenticide Act
provided for the pest de-
scribed under EPA Reg. No.
10182-373

**See Back Panel for Statement of Practical Treatment
and Precautionary Statements**

EPA Reg. No. 10182-
EPA Est. No. 10182-

Net Contents:

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything to an unconscious person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D
(327-8633)**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call
CHEMTREC 1-800-424-9300.**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

CAUSES EYE IRRITATION. HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN REACTIONS. AVOID contact with skin, eyes or clothing. AVOID breathing dust. ~~WEAR goggles or face shield when handling.~~ WASH thoroughly with soap and water after handling. ~~REMOVE contaminated clothing and wash before reuse.~~

Skin exposure may result in a transient sensation described as a tingling, itching, burning or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2-30 hours, without damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
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ENVIRONMENTAL HAZARDS

This pesticide is very highly toxic to freshwater and estuarine fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

ENDANGERED SPECIES RESTRICTIONS

This product may pose a hazard to endangered aquatic species. Follow all use directions.

11/12

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

enclosed in Box

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

GENERAL INSTRUCTIONS

Runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not apply this product within 20 yards of water (ponds, streams or lakes.)

Cover or incorporate spills.

Rotational crops may be planted no sooner than 30 days after application.

DIRECTIONS FOR APPLICATION

At Planting Band Treatment

Apply FORCE® 3G insecticide at planting time. Place the granules in a 7-inch wide band over the row behind the planter shoe, and in front of or behind the press wheel.

8/2/12

GRANULES MUST BE INCORPORATED INTO THE TOP ONE INCH OF SOIL USING TINES, CHAINS OR OTHER SUITABLE EQUIPMENT.

DO NOT apply this product as either a band or T-band treatment unless you can incorporate the granules as directed above. This will improve insect control and reduce the potential for adverse effects to aquatic organisms.

For **NO-TILL** corn where runoff drains into adjacent or neighboring aquatic sites (ponds, streams, lakes), apply FORCE 3G as an in-furrow treatment only. See in-furrow directions below.

At Planting In-Furrow Treatment

Apply FORCE 3G at planting time as an in-furrow treatment for control of corn rootworms, wireworms, and seedcorn maggots. In-furrow applications may be made by (1) directing the granules into the planter shoe with the seed, or (2) placing the applicator tube directly behind the planter shoe so that the granules drop into the seed furrow.

FORCE 3G RATE RECOMMENDATIONS			
Time of Application	Insects Controlled	Rate: (oz/1000 ft of row)	Application
At Planting	Western Corn Rootworm Northern Corn Rootworm Southern Corn Rootworm Mexican Corn Rootworm Cutworms Seedcorn Maggot Seedcorn Beetle Lesser Cornstalk Borer White Grubs ¹ Wireworms ²	4-5 Banded, T-banded or In-Furrow	BANDED - Place granules in a 7-inch band directly behind planter shoe in front of or behind the press wheel. IN-FURROW - Place granules directly in the seed furrow behind the planter shoe.
	Cutworms	3-4 Banded or T-banded Only First year corn only	

¹Use 5 oz/1000 ft. of row for severe infestations.

²For best wireworm control, apply the granules as an in-furrow treatment.

CALIBRATION TABLE							
Amount of FORCE 3G/1000 ft of row	Pounds of FORCE 3G Required Per Acre for Various Row Spacings						
	40"	38"	36"	34"	32"	30"	Row Spacing
	13,068	13,756	14,520	15,374	16,335	17,424	Linear Ft/A
3 oz	2.5	2.6	2.8	2.9	3.1	3.3	
4 oz	3.3	3.4	3.6	3.8	4.1	4.4	
5 oz	4.1	4.3	4.5	4.8	5.1	5.5	

GAUGE SETTINGS FOR FORCE 3G INSECTICIDE APPLICATION					
Speed MPH	4		6		
APPLICATION RATE/1000 Row Feet (Oz/1000 Row Feet)	4	5	4	5	
Applicator					
Kinze	6	7	8	10	
Allis Chalmers (New, with noble metering unit)	8	9	10	12	
Allis Chalmers (Old; fluted roll drive with notched gauge)	4-3/4	5-1/2	UNIFORM FLOW AT ALL S		
Buffalo (10-20-30-40)	6	7	9	11	
Buffalo (fluted-roll feed-revolutions on hexagonal adjusting nut)	4-3/4	5-1/2	UNIFORM FLOW AT ALL S		
Gandy bolt-on bottom	17	18	19	21	
Gandy snap-on bottom	15	17	18	21	
International Harvester (one gauge per hopper; Gate/Dial) - Old	1/6	1/8	2/0	2/2	
International Harvester (two gauges per hopper; Gate/Dial) - New	2/2	2/3	2/5	2/7	
John Deere 7000 Maxi-Emerge (Even) (0-10-20-30-40)	10	12	13	16	
John Deere 7000 Maxi-Emerge (Odd) (5-15-25-35-45)	9	10	11	13	
John Deere 1986 (adjustable knob 0-79)	13	15	17	20	
John Deere (metal box with 3 range settings and dial: Range/Notch)	1/17	1/21	1/25	1/30	
Noble (rectangular opening) - New	6	7	7	9	
Noble (round opening) - Old	8	9	11	13	

NOTE: These settings should be used as starting points only. Continually check the amount of FORCE 3G used against a known length of row and make adjustments accordingly. Also, check calibration occasionally to make sure equipment wear, changing conditions, etc., have not caused a change.

CONTAINER DISPOSAL: Completely empty bag into application equipment. When bag is empty dispose of in a sanitary landfill, by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

FORCE® is a trademark of a ZENECA Group Company.