

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

305 / 18 | 430,832

JAN 29 1993

Dr. N. Beth Carol
Regulatory Manager
CIBA-GEIGY Corporation
Agricultural Division
P.O. Box 18300
Greensboro, NC 27419-8300

Dear Dr. Carol:

Subject: 1) Revised Labeling for Agree Adding Insect Pests, Soybeans and Deleting "Naturally CIBA-GEIGY" & 2) Request to Withdraw the Additional Brand Name of Finish and all Container Sizes Listed in Your 10/6/92 Notification Except for the 20 lb Size Listed for Design EPA Registration No. 100-733

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable subject to the following comments.

1. Modify "Bacillus thuringiensis var. aizawai Strain GC-91 protein toxin" to read "Bacillus thuringiensis subspecies aizawai Strain GC-91 Lepidopteran active toxin."
2. Per your fascimile of 1/28/93, replace "Five Pounds Net Weight" with "Five or Twenty Pounds Net Weight."
3. Per your fascimile of 1/28/93, replace "This outer protective carton contains Agree in five small, inner water-soluble pouches." with "This outer protective carton contains Agree in small, inner water-soluble pouches."
4. Per your fascimile of 1/28/93, modify the heading of Table 1 to read "Number of Agree 1 pound water soluble pouches required to treat various acreage at different rates." and add a Table 2 as listed below.

CONCURRENCES

| | | | | | | | |
|---------|-------------|--|--|--|--|--|--|
| SYMBOL | A7502L | | | | | | |
| SURNAME | [Signature] | | | | | | |
| DATE | 1/25/93 | | | | | | |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Table 2. Number of Agree 5 pound water soluble pouches required to treat various acreage at different rates.

| Number of water Soluble Pouches to Use | | | |
|--|--------|--------|---------|
| RATES | | | |
| Acres to Treat/ | 1.0 lb | 1.5 lb | 2.0 lb. |
| 5 | 1 | - | 2 |
| 10 | 2 | 3 | 4 |
| 15 | 3 | - | 6 |
| 20 | 4 | 6 | 8 |
| 30 | 6 | 9 | 12 |
| 40 | 8 | 12 | 16 |
| 50 | 10 | 15 | 20 |
| 100 | 20 | 30 | 40 |

We acknowledge your request to withdraw the items listed in the subject heading regarding container size and additional brand name.

A stamped copy of the label is enclosed for your records. Submit five (5) copies of final printed labeling.

Sincerely,

Phil Hutton
Product Manager 18
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES

| SYMBOL | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|
| SURNAME | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| DATE | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

NEW DRAFT
MASTER LABEL

ACCEPTED
with COMMENTS
in EPA Letter Dated
JAN 29 1993
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-733

Agree™ Biological Insecticide

Accu-Pak™

Five Pounds
Net Weight

For control of lepidopterous insect pests of
certain terrestrial fruits, vegetables, ornamentals
and flowers as well as tobacco, corn, cotton and soybeans.

Active Ingredient:

| | |
|---|--------------|
| <u>Bacillus thuringiensis var. aizawai</u> Strain GC-91 | |
| protein toxin* | 3.8% |
| <u>Inert Ingredients:</u> | <u>96.2%</u> |
| Total: | 100.0% |

*Potency: 25,000 International Units (IU) per milligram
(11 billion IU per pound) product. Potency units should not be
used to adjust use rates beyond those specified in the use
directions.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCIÓN

PRECAUCIÓN AL USUARIO: Si usted no lee inglés, no use este
producto hasta que la etiqueta haya sido explicado ampliamente.

See additional precautionary statements and directions for use
inside booklet.

This outer protective carton contains Agree in five small, inner
water-soluble pouches. Entire inner pouches and contents dis-
solve in water. After opening outer carton, immediately dump
the required number of unopened inner pouches into the partially
filled sprayer or mix tank. Do not excessively handle the sol-
uble pouches or expose them to moisture, because this may cause
rupturing.

EPA Reg. No. 100-733

EPA Est. 10163-AZ-1^G

EPA Est. 602-MO-1^R

(Superscript is first letter of lot number on carton)

CGA 125L (DRAFT)

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, 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.

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

Reentry Statement

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following information: "CAUTION. Area treated with Agree on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, flush eyes or skin with plenty of water. Call a physician if irritation persists. Remove and wash contaminated clothing before reuse. 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 by mouth to an unconscious person."

Note: Insects are known to develop resistance to products used repeatedly for control. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating products with different modes of action. Consult your local pest control advisor or extension office for details. If resistance to this product develops in your area, this product or other products with a similar mode of action may not provide adequate control. If you experience difficulty with control and resistance is a likely cause, consult your local CIBA-GEIGY representative or pest control advisor for the best alternative method of control. CIBA-GEIGY encourages good product stewardship to ensure effective long-term control of the respective insect pests.

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Agree is a biological insecticide specific for use against the lepidopterous larvae listed on this label. Agree must be eaten by larvae to be effective. Since Agree is most effective against small, newly-hatched larvae, an early scouting program to determine early infestations is recommended. After consuming a lethal dose of Agree, larvae stop eating usually within an hour but may remain on the foliage until they die, usually within several days. Affected larvae move more slowly and tend to become shriveled and discolored before dying. For best performance, always follow these directions:

- Treat when small, newly-hatched larvae are present and the first feeding damage is observed.
- Since Agree must be ingested to obtain control, treat when larvae are actively feeding and before extensive damage occurs.
- Thorough spray coverage is essential for good control of the pest. Nozzles on ground equipment should be arranged in a manner to provide the best coverage. Increased water volume and spray pressure will enhance coverage.
- If insect infestation becomes heavy, use the higher (2.0 lb./A) label rate. Increased water volume and shortened spray intervals may be necessary to achieve acceptable control.
- To maintain control, repeat applications may be necessary at 3 to 7-day intervals, depending on the rate of growth of the crop, weather conditions and severity of insect infestation.
- Agree may be applied up to the day of harvest.
- To improve coverage and residual effectiveness of Agree, addition of a spreader/sticker to the spray tank is recommended for all crops and especially for hard-to-wet crops such as cole crops.

Application Instructions

For conventional ground equipment, mix the specified rate of Agree and apply as a spray in a minimum of 20 gals. of water/A to assure thorough coverage of the crop. For aerial application, apply in 2-10 gals. of water/A. Use a higher water volume in the far west to assure thorough coverage of the crop, and to give better performance.

Chemigation: Do not apply this product through any type of irrigation system.

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Mixing Instructions

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean the spray equipment before using Agree. Vigorous agitation is necessary to maintain uniformity of the spray mixture. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Agree Alone: Add 2/3 of the required amount of water to the spray or mixing tank. With the agitator running add the required number of unopened soluble pouches of Agree to the spray tank. Continue agitation while adding the remainder of water and during application to maintain a uniform suspension.

Table 1: Number of Agree water soluble pouches required to treat various acreages at different rates.

Number of Water Soluble Pouches to Use

| Acres to Treat | RATES | | |
|----------------|---------|---------|---------|
| | 1.0 lb. | 1.5 lb. | 2.0 lb. |
| 5 | 5 | - | 10 |
| 10 | 10 | 15 | 20 |
| 15 | 15 | - | 30 |
| 20 | 20 | 30 | 40 |
| 30 | 30 | 45 | 60 |
| 40 | 40 | 60 | 80 |
| 50 | 50 | 75 | 100 |
| 100 | 100 | 150 | 200 |

Agree + Tank Mixtures: Agree is compatible with most commonly used insecticides, fungicides, liquid fertilizers and spray adjuvants if a non-ionic spreader/sticker is included and in accordance with the most restrictive of label limitations and precautions. Add 2/3 of the required amount of water to the spray or mixing tank. With the agitator running add the required number of unopened soluble pouches of Agree to the spray tank. Allow the soluble pouch time to dissolve before adding the other materials, especially nitrogen or boron which may inhibit the pouch from dissolving. Then add the desired amount of the other products recommended for tank mixture. Continue agitation while adding the remainder of water and during application to maintain uniform suspension.

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Table 2: Application Rates

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| CROP | PESTS | LBS. PER A |
|--|--|------------|
| Cole crops Terrestrial Chinese vegetables Terrestrial green leafy vegetables Celery | Loopers Imported Cabbageworm Cross-striped Cabbageworm Diamondback Moth Armyworms Beet Armyworm | 1.0 to |
| Beans Peas | Loopers Armyworms | 1.0 to |
| Tomatoes Peppers | Loopers Tomato Fruitworm Hornworms Armyworms | 1.0 to |
| Tobacco* | Loopers Tobacco Budworm Hornworms | 1.0 to |
| Cotton** | Tobacco Budworm Cotton Bollworm Armyworms Loopers | 1.0 to |

¹Under heavy infestation pressure, use 1.5 to 2.0 lb. per acre.

*Use to suppress light to moderate populations of small, newly hatched larvae.

**Apply on a 3-7 day schedule to suppress light to moderate populations of newly hatched larvae. Best results can be expected using Integrated Pest Management/Scouting Programs in early season cotton up to pinhead square. control can be achieved by tank-mixing Agree with other EPA-registered insecticides such as Curacron®. When using in tank-mix with Curacron, use 1.0 per Agree (0.25-0.75 lbs./A). Treat when eggs and/or neonate larvae are found. To maintain control, repeat applications, targeted against eggs and small larvae, as to maintain control schedule.

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| CROP | PESTS | LBS. ASPEE PER. ACRE ¹ |
|---|---|--------------------------------------|
| Terrestrial Ornamen- tals and Flowers | Loopers Budworms Diamondback Moth Armyworms | 1.0 to 2.0 |
| Peaches*** | Peach Twig Borer | 1.0 to 2.0 |
| Almonds*** | Peach Twig Borer | 1.0 to 2.0 |
| Greenhouse vegetables: Tomatoes Cole Crops Peppers | Armyworms Loopers Diamondback Moth Fruitworms Hornworms Budworms | 1.0 to 2.0 |
| Grape | Grapeleaf Skeletonizer | 1.0 to 2.0 |
| Corn | European Corn Borer | 1.0 to 2.0 |
| Terrestrial small fruits and berries | Armyworms | 1.0 to 2.0 |

¹Under heavy infestation pressure, use 1.5 to 2.0 lb. per acre.

***Make two applications at early bloom and again at petal fall.
Good coverage is essential.

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| CROP | PESTS | LBS. AGREE PER ACRE ¹ |
|-----------|--|-------------------------------------|
| Cucurbits | Rindworm Complex (Loopers, armyworms, diamondback moth) Melonworm | 1.0 to 2.0 |
| Potatoes | Loopers Armyworms Diamondback Moth | 1.0 to 2.0 |
| Soybeans | Soybean Looper Armyworms Velvetbean Caterpillar Podworms Loopers | 1.0 to 2.0 |

¹Under heavy infestation pressure, use 1.5 to 2.0 lb. per acre.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Do not reuse outer container. Dispose of outer container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 day or night.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION/PRECAUCIÓN

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Applicators, mixers, and loaders must wear a particle mask and goggles.

Statement of Practical Treatment

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

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 by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention.

Environmental Hazards

This product is toxic to aquatic invertebrates. 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 contaminate water when disposing of equipment wash waters.

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This product is highly toxic to honeybees exposed to direct treatment. Do not apply this product when bees are actively visiting the treatment area.

Chemigation

Do not apply this product through any type of irrigation system.

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Agricultural Division
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Greensboro, North Carolina 27419

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