



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

JAN 25 1994

Theresa Kamicker  
CIBA-GEIGY CORP.  
P. O. Box 18300  
Greensboro, NC 27419

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/06/93 in Response to PR Notice 93-7  
EPA Reg. No. 100-733  
AGREE BIOLOGICAL INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

3918

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Theresa Kamicker  
CIBA-GEIGY CORP.  
P.O. BOX 18300  
GREENSBORO NC 27419

Subject: Label Amendment Submission of 09/06/93  
to Comply with WPS Labeling Requirements  
EPA Reg Nr. 100-733  
AGREE BIOLOGICAL INSECTICIDE

The following specific comments pertain to your  
WPS labeling submission concerning the product  
cited above:

Add the following User Safety Recommendation to the label  
in the location shown in Section A on Part 1 of the Product  
Worksheet in Supplement Three-A to PR Notice 93-7: "Remove  
clothing immediately if pesticide gets inside. Then wash  
thoroughly and put on clean clothing."

4 9 18

WPS Proposed Label

WPS

MASTER LABEL

Agree™ Biological Insecticide

Accu-Pak™

Five or Twenty Pounds  
Net Weight

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN 25 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-733

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

Active Ingredient:

<u>Bacillus thuringiensis</u> subspecies <u>aizawai</u> Strain GC-91	
<u>Lepidopteran active toxin*</u> .....	3.8%
<u>Inert Ingredients:</u> .....	96.2%
<u>Total:</u>	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

See additional precautionary statements and directions for use  
inside booklet.

This outer protective container contains Agree in small, inner  
water soluble pouches. Entire inner pouches and contents dis-  
solve in water. After opening outer container, 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, since this may cause  
rupturing.

EPA Reg. No. 100-733

EPA Est. 10163-AZ-1<sup>G</sup>  
EPA Est. 602-MO-1<sup>R</sup>  
EPA Est. 5905-GA-01<sup>H</sup>

(Superscript is first letter of lot number on container)

CGA 125L1(WPS)  
[GANNONC.LABELA]AGREEWPS - 8/12/93

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.

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Conditions of Sale and Warranty

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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.

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**

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 protective equipment (PPE) 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 12 hours.

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

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

**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 Plant Protection representative or pest control advisor for the best alternative method of control. Ciba Plant Protection encourages good product stewardship to ensure effective long-term control of the respective insect pests.

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.

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 1 lb. water soluble pouches required to treat various acreages at different rates.

Number of Water Soluble Pouches to Use

RATES			
Acres to Treat	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

Table 2: Number of 5 lbs. 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	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

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

CROP	PESTS	LBS. AGREE PER ACRE <sup>1</sup>
Cole crops Terrestrial Chinese vegetables Terrestrial green leafy vegetables Celery	Loopers Imported Cabbageworm Cross-striped Cabbageworm Diamondback Moth Armyworms Beet Armyworm	1.0 to 2.0
Beans Peas	Loopers Armyworms	1.0 to 2.0
Tomatoes Peppers	Loopers Tomato Fruitworm Hornworms Armyworms	1.0 to 2.0
Tobacco*	Loopers Tobacco Budworm Hornworms	1.0 to 2.0
Cotton**	Tobacco Budworm Cotton Bollworm Armyworms Loopers	1.0 to 2.0

<sup>1</sup>Under heavy infestation pressure, use 1.5 to 2.0 lbs. 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 small, newly hatched larvae. Best results can be expected using Integrated Pest Management/Scouting Programs in early season cotton up to pinhead square. Improved control can be achieved by tank-mixing Agree with other EPA-registered insecticides such as Curacron®. When using in tank-mix with Curacron, use lower Agree rates (0.25-0.75 lb./A). Treat when eggs and/or neonate larvae are found. To maintain control, repeat applications, targeted against eggs and small larvae, as necessary to maintain control schedule.

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CROP	PESTS	LBS. AGREE PER ACRE <sup>1</sup>
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

<sup>1</sup>Under heavy infestation pressure, use 1.5 to 2.0 lbs. 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 <sup>1</sup>
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

<sup>1</sup>Under heavy infestation pressure, use 1.5 to 2.0 lbs. per acre.

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Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

Storage

Store at temperatures below 104°F.

Pesticide Disposal

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

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

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.

**Personal Protective Equipment (PPE):**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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.

**Engineering Control Statements:**

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:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**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.

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

Accu-Pak™ and Agree™ trademarks of Ciba-Geigy Corporation

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Ciba Plant Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

[GANNONC.LABELA]AGREEWPS - 8/12/93

BACK PANEL  
(MASTER)

Agree™ Biological Insecticide

Accu-Pak™

Five or Twenty 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:

Bacillus thuringiensis subspecies aizawai Strain GC-91

Lepidopteran active toxin\* ..... 3.8%

Inert Ingredients: ..... 96.2%

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

See directions for use in attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Est. 10163-AZ-1<sup>G</sup>

EPA Est. 602-MO-1<sup>R</sup>

EPA Est. 5905-GA-01<sup>H</sup>

(Superscript is first letter of lot number on container)

EPA Reg. No. 100-733

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Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

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.

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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Ciba Plant Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

CGA 125L1 (WPS)

[GANNONC.LABELA]AGREEWPS - 8/12/93