

PM 90 66736-1

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### Ciba Seeds

## ***Bacillus thuringiensis* subsp. *kurstaki* European Corn Borer Control Protein**

Pure form of the plant pesticide, *Bacillus thuringiensis* subsp. *kurstaki* delta endotoxin protein as produced in corn cells.

#### **Active Ingredient:**

*Bacillus thuringiensis* delta-endotoxin protein as produced by a *cryIA(b)* gene and its controlling sequences in corn.....0.0001 - 0.0018%\*

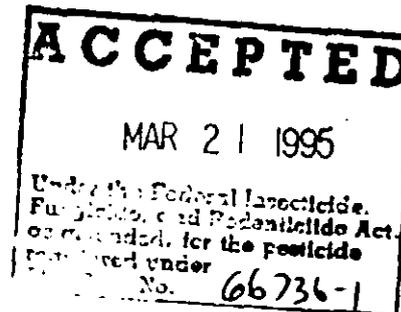
#### **Inert Ingredient:**

A substance produced by a marker gene and its controlling sequences in corn.....≤ 0.0009%

\*Percent of total plant protein on a dry weight basis

EPA Reg. No. 66736-1

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#### **Directions for Use:**

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

The plant pesticide product may be used only for seed production as specified in the terms and conditions of the registration and on the labeling

Corn has been transformed to express a *Bacillus thuringiensis* subsp. *kurstaki* (*B.t.k*) delta-endotoxin protein for control of the European corn borer (*Ostrinia nubilalis*) Routine applications of insecticides to control the European corn borer are unnecessary when corn containing the *B.t.k* delta-endotoxin protein is planted

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Growers are instructed to read the terms of the Seed Production Contract with Ciba Seeds and the grower Compliance Manual prior to planting, for information on agronomic procedures, restrictions, requirements and insecticide resistance management.

Corn that contains the pesticide product must only be grown in the States of: Florida, Hawaii, Illinois, Iowa and Texas. The maximum acres grown in each State shall be:

| <u>State</u>  | <u>Hybrid Seed Production</u> | <u>Foundation Seed Stock Production</u> |
|---------------|-------------------------------|---|
| Florida       | 200                           | 60                                      |
| Hawaii        | 200                           | 100                                     |
| Illinois      | 3,065                         | 180                                     |
| Iowa          | 645                           | 0                                       |
| Texas         | 5,115                         | 160                                     |
| <b>Totals</b> | <b>9,225</b>                  | <b>500</b>                              |

For the purposes of this registration: Hybrid seed production means the crossing of unrelated inbred lines to produce hybrid seed. Foundation seed stock production means the maintenance and increase of inbred lines to produce seeds that will be used to produce hybrid seed.

Any plant that contains the pesticide product must be spatially, temporally or reproductively isolated. For the purposes of this registration:

1. "Spatially isolated" means that any area with a plant that contains the pesticide product is surrounded by a border that is free of corn plants and is at least 660 feet wide.
2. "Temporally isolated" means that any area with a plant that contains the pesticide product is surrounded by a border that contains corn plants and that is less than 660 feet in width, and any plant that contains the pesticide product is planted either 30 days before or after any corn plant in the border.
3. "Reproductively isolated" means that any corn plant that contains the pesticide product is detasseled prior to pollen shed

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If temporal isolation is used, it must be done in compliance with Limitations 1 and 2 below.

**Limitation 1:** Ciba Seeds or a cooperator must do one of the following where a field that contains the pesticide product is temporally isolated and the pollen shed of plants containing the pesticide product might occur when another plant that does not contain the pesticide product is located within 660 feet and has receptive silks:

- a. detassel any plant that contains the pesticide product prior to pollen shed,
- b. cover the tassels of any plant that contains the pesticide product with a pollen bag prior to pollen shed, or
- c. destroy any seed produced by any corn plant that is within 660 feet and that does not contain the pesticide product.

**Limitation 2:** Temporal isolation may be used only if Ciba Seeds or a cooperator has the authority to:

- a. enter sites within 660 feet of any plant that contains the pesticide product,
- b. monitor those sites for corn plants with receptive silks, and
- c. destroy any seed produced by such corn plants.

Equipment used for planting and harvesting must be carefully cleaned of seed corn that contains the pesticide product at the plot site. Grain from all plots must be harvested or destroyed. Any seed or plant material that contains the pesticide product must be either destroyed, securely stored for future plantings or research, or used to produce additional seed pursuant to this registration.

After harvest in Illinois and Iowa, no corn may be grown during the next growing season in any field that was used to grow corn that contains the pesticide product. Ciba Seeds or a cooperator must monitor such fields after harvest and during the next growing season for any germinating corn plants and must destroy any such plants by incorporation into the soil.

After harvest in Florida, Hawaii and Texas, any field used to grow corn that contains the pesticide product must either be

- a. planted in the next growing season with a crop other than corn. Ciba Seeds or a cooperator must monitor the fields during the growth of such crop for any germinating corn plants, and destroy any germinating corn plants by incorporation into the soil, or
- b. irrigated, and allowed to remain fallow for at least 30 days in Florida and Texas and at least 60 days in Hawaii. During this fallow period, Ciba Seeds or a cooperator must monitor such fields for germinating corn plants and destroy any corn plants that appear by incorporation into the soil.

No seed or plant material that contains the pesticide product may be sold or distributed except that such seed and material may be distributed between Ciba Seeds and its cooperators and may be distributed for storage under Ciba Seeds' control. Any seed or plant material produced by Ciba Seeds and its cooperators that contains the pesticide product must be either destroyed or securely stored for research or future plantings pursuant to the conditions of this registration. All plants and plant material that remains in the field after harvest must be destroyed by incorporation into the soil.

The registration of this pesticide product will automatically expire on midnight of September 15, 1996. After this registration has expired, no seed or plants that contain the pesticide product may be planted, grown or harvested.