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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

EPA Reg.
Number:

524-492

Date of Issuance:

MAY 29 1996

Term of Issuance:

Conditional

Name of Pesticide Product:

CryIA(b) Form of the
B.t.k. Insect Control
Protein

Name and Address of Registrant (include ZIP Code):

Monsanto Company
700 Chesterfield Parkway North
St. Louis, MO 63198

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The registration application referred to above, submitted in connection with registration under § 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you do the following terms and conditions.

1) This registration will be limited to the corn line MON 801. The Agency will review amendment requests to add additional lines and may or may not grant such requests.

2) Submit/cite all data required for registration of your product under FIFRA § 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

3) Submit production information (80 kilogram units of seed produced) for this product for the fiscal year in which this product is conditionally registered, in accordance with FIFRA § 29. The fiscal year begins October 1 and ends September 30. Production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

4) All agreements between Monsanto Company and its cooperators shall be in writing and shall include a provision requiring cooperators to comply with all the terms and conditions of this registration. A cooperator means any person who has been granted permission from Monsanto for the use of the pesticide product on property owned or controlled by that person.

Signature of Approving Official:

Date:

Jett

5/29/96

5) Monsanto shall be liable for the actions of a cooperator that does not comply with the terms and conditions of this registration.

6) Plants that contain the pesticide product may only be grown in the States of Florida, Hawaii, Illinois, Iowa, Indiana, Michigan, Nebraska, Texas, Minnesota and Puerto Rico. Only corn line MON 801 may be grown. The maximum acres grown in each State shall be:

State	Acres
Florida	200
Hawaii	900
Illinois	1550
Iowa	412
Indiana	150
Michigan	100
Nebraska	150
Texas	300
Minnesota	100
Puerto Rico	512
Total	4374

7) The registration of the pesticide product will automatically expire on midnight of May 23, 1997, unless EPA extends the registration.

8) No plants or plant propagation materials that contain the pesticide product may be sold or distributed except that such plants and materials may be distributed between Monsanto and its cooperators and may be distributed for storage under Monsanto's control.

9) Any plant that contains the pesticide product must be either:

- a. spatially isolated from any other corn plant not containing the pesticide product by at least 660 feet, or
- b. temporally isolated from any other corn plant not containing the pesticide product that is within 660 feet by sowing the plant that contains the pesticide product either 30 days before or after such other corn plant. Temporal isolation must not be used where any hybrid production plot is within 660 feet of any corn not containing the pesticide product that is grown for seed, or
- c. reproductively isolated by emasculating prior to pollen shed all plants that contain the pesticide product.

10) If any plant that contains the pesticide product is temporally isolated but the pollen shed of such a plant might occur when any other corn plant that does not contain the pesticide product within 660 feet has receptive silks, then Monsanto or a cooperator shall do one of the following:

- a. - emasculate prior to pollen shed any plant that contains the pesticide product,
- 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.

11) Temporal isolation may only be used if Monsanto has the authority to:

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

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

13) After harvest no corn may be grown during the next season in any field that was used to grow corn containing the pesticide product. Monsanto or a cooperator shall monitor such fields after harvest and during the next growing season for any germinating corn plants and shall destroy any such plants by incorporation into the soil.

14) After the registration expires, no plants or plant propagation materials that contain the pesticide product may be planted, grown, or harvested.

15) This registration expressly forbids any sale or distribution of the seed for general planting purposes (but not EUP or further seed propagation) until there is a full commercial use registration for crop purposes. It also forbids the use of any seed or plant material for food or feed.

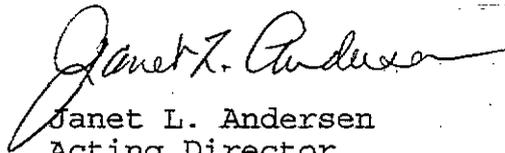
16) A Collembola study must be submitted within 12 months of registration per Agency guidance.

This registration is registered under FIFRA § 3(c)(7)(C) because of the outstanding Collembola study.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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,



Janet L. Andersen
Acting Director
Biopesticides and Pollution
Prevention Division (7501W)

PLANT PESTICIDE ACTIVE INGREDIENT

CryIA(b) form of the *Bacillus thuringiensis* subsp. *kurstaki* Insect Control Protein

Pure form of the Plant Pesticide, *Bacillus thuringiensis* subsp. *kurstaki* control protein as expressed by the *cryIA(b)* gene in corn cells.

Contains Seed containing vector:

PV-ZMCT01

Active Ingredient:

Bacillus thuringiensis delta-endotoxin as produced by the *cryIA(b)* gene and the genetic material necessary for its production (PV-ZMCT01) in corn 0.000015 - 0.00073%*

Inert Ingredients:

5-enolpyruvylshikimate-3-phosphate synthase as produced by the CP4 EPSPS gene and the genetic material necessary for its production (PV-ZMCT01) in corn 0.00028 - 0.0054%*

*Percentage of total protein on a dry weight basis.

EPA REGISTRATION NUMBER 524-492

EPA ESTABLISHMENT NUMBER 524-MO-002

Monsanto Company
700 Chesterfield Parkway North
St. Louis, Missouri 63198

Directions for Use:

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

The pesticide product may be used only for seed production for seed increase and breeding nurseries as specified in the terms and conditions of this Seed Increase Registration and as described in Monsanto/cooperator agreements.

Corn has been transformed to express the CryIA(b) form of the *Bacillus thuringiensis* subsp. *kurstaki* (B.t.k.) delta endotoxin protein for the control of the following lepidopteran corn insect pests:

- European corn borer
- Southwestern corn borer
- Fall armyworm
- Corn earworm

- Ostrinia nubilalis*
- Diatraea grandiosella*
- Spodoptera frugiperda*
- Helicoverpa Zea*

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAY 29 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
524-492