



PA 18 55217-130  
87-1-1

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

*File*

MR 3-0 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Fred Piskiewicz  
SANDOZ AGRO INC.  
1300 EAST TOUHY AVE  
DES PLAINES IL 60018

Subject: Label Amendment Submission of 01/21/93 in Response to PR Notice 93-7  
EPA Reg. No. 55947-i30  
JAVELIN ECB GRANULES

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

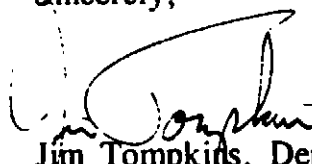
Submit the final printed labeling via the U.S. Postal Service to:

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,

A handwritten signature in black ink, appearing to read "Jim Tompkins", is written over a circular stamp or seal.

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

Attachment

19  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Fred Piszkievicz  
SANDOZ AGRO INC  
1300 EAST TOUHY AVE  
DES PLAINES IL 60018

Comment for: EPA Reg Nr.55947-130  
JAVELIN ECB GRANULES

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

Remove the statement "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." from its current position within  
the Agricultural Use Box and place it above the Agricultural  
Use Box.

Delete the crossed-out statements on your proposed label.  
They are redundant statements or phrases.

**SANDOZ AGRO, INC.**  
1300 EAST TOUHY AVENUE, DES PLAINES, ILLINOIS 60018



**CORPORATE HEADQUARTERS**

TEL. 708 699.1616

January 21, 1994

U.S. EPA Worker Protection Standard  
c/o NCI Information Systems  
8260 Greensboro Drive, Suite 400  
McLean, VA 22102

THURICIDE<sup>®</sup> 48LV, EPA Reg. No. 55947-74  
JAVELIN<sup>®</sup> ECB GRANULES, EPA Reg. No. 55947-130

Dear Sir or Madam:

Please find enclosed 5 copies of revised labeling, Form 8750-1 and letter of compliance.

**PLEASE NOTE: THESE LABELS CONTAIN WPS ADDITIONS (HIGHLIGHTED).**

This label complies exactly with the guidance in PR Notice 93-7. Therefore, Sandoz elects to self-verify this product label (per PR Notice 93-11). WPS wording is highlighted. Redundant wording from the original label, which was incorporated in the WPS wording, has been struck out.

If you have any questions or need additional information, please call me at 708-390-3698 or send me a FAX at 708-390-3941.

Sincerely,  
**SANDOZ AGRO, INC.**

A handwritten signature in cursive script, reading 'Frederick F. Piskiewicz'.  
Frederick F. Piskiewicz  
Registration Specialist

609

**JAVELIN® ECB GRANULES  
FOR EUROPEAN CORN BORER AND ARMYWORM CONTROL**

**ACTIVE INGREDIENT:**

Bacillus thuringiensis, subspecies kurstaki\*,

potency of 1600 International Units

(at least 1.3 million viable spores) per milligram\*\* . . . . . 4.7%

**INERT INGREDIENTS:** . . . . . 95.3%

**TOTAL 100.0%**

\* B.t. is JAVELIN® Technical Concentrate supplied by Sandoz Agro, Inc.

\*\*Equivalent to 0.8 billion International Units per pound

**KEEP OUT OF REACH OF CHILDREN  
CAUTION  
PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AVOID CONTACT WITH EYES AND OPEN WOUNDS.**

EPA Reg. No. 55947-130  
EPA Est. No. 55947-CA-2

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAR 30 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
55947-130

## STATEMENT OF PRACTICAL TREATMENT

If on skin: Wash with plenty of water. Get medical attention if irritation persists.

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

### Personal Protective Equipment:

Applicators and other handlers must wear:

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

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 controls 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.

9  
● Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

● 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.

**User Safety Recommendations:**

Users should:

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

● Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

● 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.

## ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters.

### STORAGE AND DISPOSAL:

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

**STORAGE:** Store in a cool place.

### PESTICIDE DISPOSAL:

Pesticide spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to Federal, State, or local regulations.

### CONTAINER DISPOSAL:

Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment then dispose of box in a sanitary landfill or by incineration if allowed by State and local authorities.

## **JAVELIN® ECB GRANULES**

### **DIRECTIONS FOR USE**

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

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 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.

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

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



Apply JAVELIN® ECB as a foliar application, targeting the whorl of the plant. JAVELIN® ECB may be applied aerially or by ground equipment where plant size permits. Aerial applications should be made when wind speed does not exceed 10 miles per hour.

AND		RE-ENTRY		
CROP	INSECT	BROADCAST RATE/ACRE	BANDED RATE/ACRE**	HARVEST RESTRICTIONS
Field Corn	European Corn Borer	10.0 lbs.	5-10 lbs.	None
Sweet Corn	( <i>Ostrinia nubilalis</i> )		per acre	
Popcorn	*Southwestern corn borer		or	
Seed Corn	( <i>Diatraea grandiosella</i> )		6-12 oz. per	
	Fall Armyworm		1000 linear	
	( <i>Spodoptera frugiperda</i> )		feet of row.	

\*Suppression only

\*\*Apply the higher rate for Southwestern corn borer and fall armyworm.

For calibration purposes, the bulk density of JAVELIN® ECB is 35.7 pounds per cubic foot.

## **SPECIAL INSTRUCTIONS**

Larvae must ingest JAVELIN® ECB to be affected. Application timing should coincide with the presence of early growth stages of the worms (first to third instar). Note that control decreases as worm size increases and worms begin entering the plant. Recommended timing of application is dependent on regionally established economic thresholds and such information should be obtained by consulting your local Experimental Station Specialist or Agricultural Extension Agent. An effective scouting program is necessary for maximizing worm control with JAVELIN® ECB. A follow-up application may be necessary if there is an extended moth flight and egg-laying period. Best results will be achieved when moisture from dew, rainfall or irrigation shortly follows application.