



003125-00524-041599

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Systems Integration Group, Inc.

PM 04

3125-524

4-15-99

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20480

EPA Reg. Number:  
**3125-524**

Date of Issuance:  
**APR 15 1999**

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance: **Conditional**

Name of Pesticide Product:  
**Legend 2.7 Suspension  
Emulsion Insecticide**

Name and Address of Registrant (include ZIP Code):

**Bayer Corporation  
Agriculture Division  
8400 Hawthorn Road  
P.O. Box 4913  
Kansas City, MO 64120-0013  
Attn: Charles W. Boyd**

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Modify your proposed label submitted August 4, 1998 as indicated below before you release the product for shipment.
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 3125-524.

continued on p.2

Signature of Approving Official:

Date:

**APR 15 1999**

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- b. On page 2 of your proposed label, change the heading "STATEMENTS OF PRACTICAL TREATMENT" to "FIRST AID." Also in this section, change "To Physician" to "Note to Physician" and add the following sentence at the end of the "Note to Physician" paragraph:

"May pose an aspiration pneumonia hazard."

In addition, after the "Note to Physician" paragraph, although the label states that no specific antidote is available, you must add a company telephone number for specific medical personnel who can provide specialized medical advice.

- c. On page 5 of your proposed label, under "STORAGE AND DISPOSAL," add the word "STORAGE:" at the beginning of the last paragraph, before "Store in a cool, dry place..."
3. We note that your recent label amendments for Provado 1.6 Flowable (EPA Reg. No. 3125-457), accepted March 4, 1999, pertaining to the application directions for cotton, included the addition of the following statement "For applications targeted for plant bug control, do not use an organosilicone-based spray adjuvant." This statement, as well as some of the other modifications made to the Provado 1.6 label, may be applicable for the Legend 2.7 label.
4. Please submit two copies of your revised final printed labeling before you release the product for shipment.
5. The acute toxicity studies and product chemistry data you submitted August 4, 1998 and the additional product chemistry provided January 14, 1999, have been reviewed and are considered acceptable. The acute toxicity and product chemistry database for your product is now complete. A copy of each review is enclosed for your records.

If the above specified conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact me at (703) 305-5417 or via E-mail at Perreault.Peg@epa.gov.

Sincerely yours,



Peg Perreault  
Chemical Manager, Team 4  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosures (4)

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XXX-9174.YLD

Base Pre-Reg Draft (9174)

U. S. LABEL

Reason to Issue: Revised to update Active ingredient percentages.

Date of Pre-Reg Draft: 08/07/98 (B)  
Supercedes Pre-Reg Draft: 08/03/98

### RESTRICTED USE PESTICIDE

Due to Toxicity to Fish and Aquatic Organisms  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# Legend® 2.7

## Suspension Emulsion Insecticide

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
*April 15, 1999*

For control of insect pests on cotton.

*Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 3125-524*

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine .....	17.0%
Cyfluthrin, Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate .....	12.0%
<b>INERT INGREDIENTS:</b> .....	<u>71.0%</u>
	100.0%

Contains 1.6 lb Imidacloprid per gallon plus 1.1 lb Cyfluthrin per gallon  
(This product contains aromatic petroleum distillates.)

U. S. Patent No. 4,218,469  
Canadian Patent No. 1,113,477  
EPA Reg. No. 3125-XXX

Net Contents: \_\_\_ Gallons

**STOP - Read Label Before Use**  
**KEEP OUT OF REACH OF CHILDREN**

### AVISO

### WARNING

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May be fatal if swallowed. Causes substantial but temporary eye injury. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin or on clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

product are listed below. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Do not contaminate feed or food. Keep out of reach of children.

- Applicators and other handlers must wear:**
- Coveralls over short-sleeved shirt and short pants
  - Chemical-resistant gloves, such as barrier laminate or viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - When mixing, loading or cleaning equipment, wear a chemical-resistant apron

**Personal Protective Equipment:** Some materials that are chemical-resistant to this

Legend 2.7

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Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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:**

User 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.

**In case of poisoning,** call a physician immediately. Have patient lie down and keep quiet.

**STATEMENTS OF PRACTICAL TREATMENT**

**If eyes are contaminated:** Hold eyelids open and flush with a gentle stream of water for 15 minutes. Get medical attention. **If swallowed:** Do not induce vomiting. Call a physician. Gastric lavage should be supervised by a physician or professional medical staff because of possible pulmonary damage via aspiration of the solvent. **If on skin:** Wash skin immediately with soap and warm water. If

irritation occurs, get medical attention. **If inhaled:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**To Physician:** No specific antidote is available. Treat symptomatically.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

weeds if bees are visiting the treatment area. Additional information may be obtained by consulting your Cooperative Extension Service.

This product is highly toxic to aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or

Imidacloprid demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**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

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LEGEND 2.7 Insecticide

**AGRICULTURAL USE REQUIREMENTS** continued  
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.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

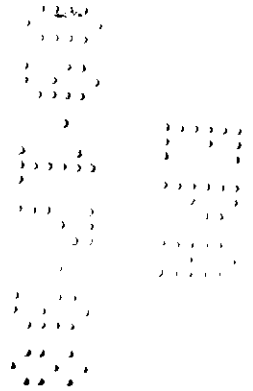
- Coveralls
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using LEGEND 2.7 Suspension Emulsion Insecticide.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

LEGEND 2.7 Suspension Emulsion Insecticide may be used for control of a broad spectrum of insect pests, in part, by contact action. Because of this contact activity, good spray coverage of the crop is needed for the highest level of control.

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.



LEGEND 2.7 Insecticide

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RECOMMENDED APPLICATIONS				
CROP	PEST	DOSAGE LEGEND 2.7		REMARKS
		lb AI/Acre	fl oz/Acre	
Cotton	Cabbage looper Cotton aphid Cotton leaf-perforator Cutworms European corn borer Flea beetles Fleahoppers Garden webworm Leafworm Lygus bugs / Plant bugs Pink bollworm Saltmarsh caterpillar Southern garden leafhopper Stinkbugs Threecornered alfalfa hopper Thrips	0.038 imidacloprid plus 0.026 cyfluthrin	3.0 (42.7 acres per gallon)	<p><b>FOLIAR APPLICATIONS:</b> Thorough coverage with direct contact of the spray material to the target pests is required for optimum control. Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage. Applications made with less than 5 gallons per acre may result in slower activity and/or less overall control from a single application than an application made with higher gallonages.</p> <p><b>For all insects,</b> timing of application should be based on careful scouting and local economic thresholds. Do not apply more than 3.75 ounces in a 7-day period.</p> <p><b>Tobacco Budworm:</b> Control of this insect may be affected by resistance to pyrethroid insecticides. See RESISTANCE statement elsewhere on this label.</p> <p>For maximum contact ovicidal effect on bollworm/budworm, time application to correspond to peak egg deposition.</p> <p><b>Whiteflies:</b> Apply specified dosage per acre as pests begin to build. Scout fields and reapply if needed. Begin applications when whitefly adults appear prior to development of nymphs. Make application on a 7 day interval as long as pest pressure continues.</p>
	Boll weevil Cotton bollworm Grasshoppers Ovicidal Effect: Bollworm / Budworm Pyrethroid-resistant Lygus bugs / Plant bugs Tobacco budworm (SEE REMARKS) Whiteflies (Suppression)	0.047 imidacloprid plus 0.032 cyfluthrin	3.75 (34.1 acres per gallon)	<p>A total of 22.5 fluid ounces of LEGEND 2.7 per acre may be applied per crop season. Regardless of formulation or method of application, apply no more than 0.5 lb active ingredient imidacloprid (GAUCHO, ADMIRE, PROVADO, LEGEND) per acre per season, including seed treatment, soil and foliar uses. Do not graze treated fields after any application of LEGEND. Applications may be made up to 14 days of harvest.</p> <p>BAYTHROID may be applied 3 days after a Legend application.</p> <p>Do not make more than a total of 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include AMBUSH® Insecticide, AMMO® Insecticide, ASANA® XL Insecticide, BAYTHROID® Emulsifiable Pyrethroid Insecticide, CAPTURE® Insecticide/Miticide, DANITOL® 2.4 EC Spray Emulsifiable Insecticide/Miticide, FURY® Insecticide, KARATE® Insecticide, LEGEND® Suspension Emulsion Insecticide, MUSTANG® Insecticide, POUNCE® Insecticide, SCOUT® XTRA Insecticide, SynerGin® 2 Insecticide.</p>
<p><b>RESISTANCE:</b> Some insects are known to develop resistance to insecticides used repeatedly on cotton. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or State authorities for details. If resistance to this product develops in your area, this product alone will not continue to provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor/state extension agent for the best alternative method of control in your area. Consult your state extension agent/agricultural advisor for insect resistance management strategies and recommended insect control methods in your area.</p>				