

MAIL REG 100-669

DRAFT LABEL

**RESTRICTED USE PESTICIDE**  
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 APPLICATORS CERTIFICATION

Curacron® 8E

Insecticide - Miticide

For insect and mite control in cotton

**ACCEPTED**  
EPA Reg. No. 100-669  
Under Fungicide, Insecticide, Miticide, and Plant Growth Regulator Act registered as a pesticide  
EPA Reg. No. 100-669

Active Ingredient:

Profenofos: O-(4-bromo-2-chlorophenyl) O-ethyl S-propyl phosphorothioate .....	73.0%
Inert Ingredients <sup>1/</sup> :	27.0%
<b>Total:</b>	<b>100.0%</b>

<sup>1/</sup>contains petroleum distillates

2 1/2 Gallons  
U. S Standard Measure

Curacron 8E contains 8 lbs. active ingredient per gal.

Keep Out of Reach of Children

WARNING

See additional precautionary statements at end of label booklet.

Curacron® trademark of CIBA-GEIGY for profenofos

EPA Reg. No. 100-669  
EPA Est. 100-AL-1

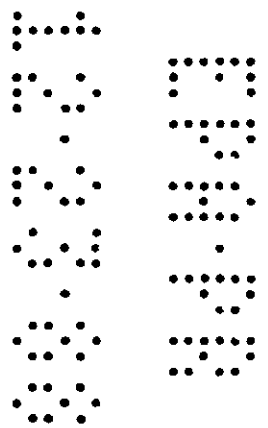
See directions for use inside booklet.

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 55L7C

(LABELS-C.1 - CUR8E/B/F4)



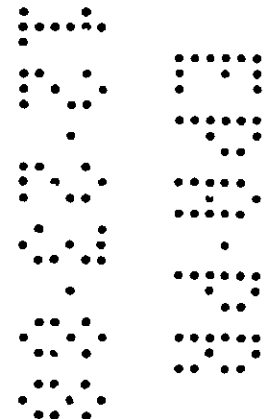
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

Conditions of Sale and Warranty

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.



General Information

Curacron 8E is an emulsifiable insecticide-miticide which is effective for control of cotton bollworm, tobacco budworm, certain other insects, and mites on cotton.

Best results can be expected from fields under Pest Management/Scouting programs.

Note: When using Curacron 8E as a larvicide, best results will be obtained when application is timed to control first to third instar larvae.

Mixing Instructions

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate thoroughly before and during application. Good bypass agitation is sufficient to keep Curacron 8E in emulsion.

Curacron 8E Alone: Add 2/3 of the required amount of water to the spray tank with the agitator running, then add the desired amount of Curacron 8E. Continue agitation while adding the remainder of the water.

Curacron 8E + Tank Mixtures: Add 2/3 of the required amount of water to the spray tank. With the agitator running if possible, add the desired amount of the other products recommended on this label. Then add the desired amount of Curacron 8E. Continue agitation while adding the remainder of water.

Note: Do not let spray mixture stand overnight in the spray tank. Rinse spray tank at the end of the day.

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

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW ALL DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR CONTROL, AND/OR ILLEGAL RESIDUES.

Use Curacron 8E in the following states only: Alabama, Arkansas, Florida, Georgia, Louisiana, Kentucky, Mississippi, Missouri, North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.

## Cotton

Apply Curacron 8E at the specified rates below in a minimum of 5 gallons of water per acre with ground equipment or in a minimum of 1 gallon of water per acre by air. For better coverage of late season "rank" cotton increase gallonage. To avoid spray drift, do not apply under windy conditions. Avoid spray overlap because crop injury may result.

If the need to control boll weevil becomes apparent while using Curacron, Guthion® or methyl parathion may be tank mixed with Curacron. Refer to the Guthion or methyl parathion labels for directions, limitations, and precautions.

Aphids, plant bugs/lygus bugs: Apply 1/2 pt. of Curacron 8E per acre at 5-7 day intervals as needed starting when economic thresholds are reached. Economic thresholds will vary by locality. Consult your pest control advisor or cotton consultant to determine economic thresholds in your area.

## Cotton bollworm, tobacco budworm

### Egg and Larvae Control

#### Early to mid-season cotton, light to moderate pest pressure:

If careful scouting of early to mid-season cotton indicates pest populations are light to moderate, eggs and larvae may be controlled by tank mixing 1/4-1/2 pint of Curacron 8E with recommended rates of Galecron® 4E or SP. Refer to Galecron 4E or SP labels for directions, limitations, or precautions.

#### Later season cotton, light to heavy pest pressure:

For light to moderate infestations, tank mix 1/2 to 3/4 pint of Curacron 8E with recommended rates of Galecron 4E or SP. For moderate to heavy infestations, tank mix 3/4 to 1 pint Curacron 8E with recommended rates of Galecron 4E or SP. Apply at 5-7 day intervals as needed beginning when infestations first appear. Refer to the Galecron 4E or SP label for directions, limitations, or precautions.

Contact Ovicide Activity: For contact ovicidal activity, apply 1/4-1/2 pint of Curacron 8E per acre when egg lay exceeds thresholds. Continue at 5-7 day intervals as needed. If larvae survive, use higher rates listed below.

### Larvae Control Only

#### Curacron alone:

To control larvae only, apply 1/2 to 3/4 pint of Curacron 8E for light to moderate infestations. Apply 3/4 to 1 pint Curacron 8E for moderate to heavy infestations. Apply at 5-7 day intervals as needed beginning when infestations first appear.

Cotton leafperforator, beet armyworm: Apply Curacron 8E at 5-7 day intervals as needed starting when larvae first appear. Use 1/2 to 3/4 pt. per acre for light to moderate infestations and 3/4 to 1 pt. per acre for moderate to heavy infestations.

Fall armyworm: Apply 3/4 to 1 pt. of Curacron 8E per acre at 5-7 day intervals as needed starting when larvae first appear. For best results, application should be made to young larvae still feeding on leaf surfaces and before migration to blooms and bolls has occurred.

Mites: Apply 1/2 to 1 pt. of Curacron 8E per acre at 5-7 day intervals as needed starting when mites first appear.

Whitefly suppression: To aid in the reduction of whitefly populations, apply 3/4 to 1 pt. of Curacron 8E at 5-7 day intervals as needed starting when whiteflies first appear.

Curacron 8E + Tank Mixtures: To broaden the spectrum of insect control and make a more useful spray application, if multiple pests occur on cotton, it may be advantageous to tank mix Curacron 8E with other EPA-registered insecticides.

Curacron 8E has been found to be compatible in tank mixtures with the products listed below. When using Curacron 8E in tank mixtures, observe all limitations, precautions, and rate recommendations which appear on the labels for these products: Ambush®, Ammo®, Azodrin®, Cymbush®, Galecron, Guthion, methomyl, methyl parathion, Pay-Off®, Pounce® and Pydrin®.

Note: Applications to cotton may cause spotting or reddening of leaves.

Note: To avoid illegal residues: 1) Do not apply more than 3 qts. of Curacron 8E per acre per season. 2) Do not apply Curacron 8E within 14 days of harvest, 3) Do not allow livestock to graze treated cotton, 4) Do not feed gin trash or foliage from treated cotton plants to livestock.

Fields treated with Curacron may be rotated to other crops...

#### Storage and Disposal

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

Pesticide disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container disposal: Triple rinse (or equivalent). Then puncture container and dispose of in a sanitary landfill, or incinerate. The container may be disposed of by open burning if allowed by state and local authorities. Stay out of smoke from burning container.

Emergency Response

In the event of a major spill, fire, or other emergency, call (919) 292-7100.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

May be fatal if absorbed through skin. Causes eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wear protective clothing, goggles, face shield or safety glasses and rubber gloves when handling. Harmful if swallowed or inhaled. Wash thoroughly with soap and water before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

IF SWALLOWED call a physician or poison control center. May present aspiration hazard, DO NOT induce vomiting. Drink large quantities of water. Get medical attention immediately.

IF ON SKIN wash with plenty of soap and water. Remove contaminated clothing. Get medical attention.

IF IN EYES Hold eyelids open and flush with plenty of water. Call a physician if irritation persists.

IF INHALED remove victim to fresh air.

Note to Physician: If symptoms of cholinergic poisoning occur, atropine plus 2-PAM may be helpful. If swallowed, lavage stomach, taking care to avoid aspiration of stomach contents into the lungs.

Environmental Hazards

Due to the hazard to endangered fish, the application of this product is prohibited in Reeves County, Texas and within one mile of the Dexter National Fish Hatchery in New

Mexico. This pesticide is toxic to fish and wildlife. Use with care when applying to areas frequented by wildlife or adjacent to any body of water. Do not apply directly to water. Do not apply with aircraft within 300 feet upwind of impounded water. Do not apply when weather conditions favor drift from treated areas. Do not apply with aircraft when wind speed is greater than 10 mph. Apply this pesticide only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply this product or allow it to drift to crops or weeds on which bees are foraging. Additional information may be obtained from your Cooperative Agricultural Extension Service.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

Ambush® trademark of ICI Americas, Inc. for permethrin

Ammo® trademark of FMC Corporation for cypermethrin

Azodrin® trademark of Shell Chemical Company for monocrotophos.

Curacron® trademark of CIBA-GEIGY Corporation for profenofos  
U.S. Patent No. 3,992,533

Cymbush® trademark of ICI Americas, Inc.

Galecron® trademark of CIBA-GEIGY for chlordimeform  
U.S. Patent Nos. 3,378,437; 3,502,720; 3,478,156; 3,629,460;  
3,462,537

Guthion® trademark of the Parent Company of Farbenfabriken Bayer  
GmbH, Leverkusen for azinphos-methyl

Pay-Off® trademark of American Cyanamid for flucythrinate.....

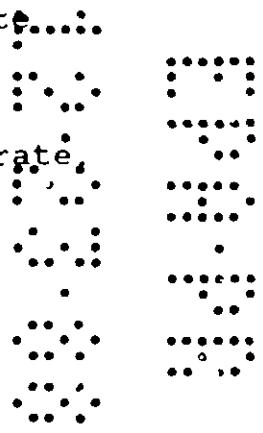
Pounce® trademark of FMC Corporation for permethrin

Pydrin® trademark of Shell Chemical Company for fenvalerate

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Inert Ingredients <sup>1/</sup> .....	27.0%
<hr/> Total:	<hr/> 100.0%

<sup>1/</sup>contains petroleum distillates

2 1/2 Gallons

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EPA Reg. No. 100-669

EPA Est. No. 100-AL-1

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Avoid breathing vapors or spray mist. Wear protective  
clothing, goggles, face shield or safety glasses and rubber  
gloves when handling. Harmful if swallowed or inhaled.

Continued .. 9



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