

## 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

Galecron 4E is an insecticide and ovicide.

Galecron 4E acts primarily as an ovicide for the control of bollworm and tobacco budworm on cotton. Best results can be expected from fields under Pest Management Scouting programs.

Galecron 4E used alone will have little or no effect on boll weevil (cotton) or on predators, beneficial insects, and bees.

### 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 Galecron 4E in emulsion.

**Galecron 4E Alone:** Add 2/3 of the required amount of water to the spray tank with the agitator running if possible, add the desired amount of Galecron 4E. Continue agitation while adding the remainder of the water.

**Galecron 4E + 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 Galecron 4E. 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. Do not apply just before rain or poor control may result.

### Directions for Use

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

#### Cotton

Apply the specified rate below in a minimum of 1 gal. of water with ground or aerial application equipment, using low drift nozzles. Apply on a 3-5 day schedule when moth flights begin and/or when eggs appear. Continue applications as long as egg laying occurs. Apply the lower rate when insect populations are low or egg deposition is just starting. If larvae reach economic levels, use a tank mix as described below.

**Galecron 4E Alone** (All cotton growing states except CA and AZ)

- Bollworm: 1/4-1/2 pt./A
- Tobacco budworm: 1/2 pt. A

### Galecron 4E + Tank Mixtures (All cotton growing states)

Galecron 4E acts primarily as an ovicide for control of bollworm and/or tobacco budworm on cotton. Best results can be expected in fields under a regular scouting program. In some cases it may be advantageous to apply Galecron 4E in a tank mix with other insecticides, for example, when egg hatch occurs because of delayed application or other causes, or when it is necessary to begin application in a field where bollworm tobacco budworm larvae or other insect pests listed on the other product labels have reached economic levels. Use the above rates of Galecron 4E per acre except in CA and AZ where a minimum of 1/2 pt. is recommended. Mix Galecron 4E with other insecticides recommended on this label according to the above mixing directions. Apply tank mixes immediately after mixing.

Galecron 4E has been found to be effective and compatible in tank mixture with the following products. When using Galecron 4E in tank mixture, observe all limitations, precautions, and rate recommendations which appear on the labels for these products. Under conditions of low to moderate bollworm-budworm infestation levels and in closely scouted and supervised fields, the pyrethroid products may be tank mixed at a low rate of 0.05 lb. a/A.

Ambush*	Guthion*
Azodrin*	Imidan*
Bacillus thuringiensis	Lorsban*
Bolstar*	Methomyl
Bydrin*	Methyl parathion
Curacron*	Methyl parathion + toxaphene
Dimethoate	Orthene*
Dimilin*	Pounce*
Elcar*	Pydrin*
EPN + Methyl parathion	Supracide*

**Note:** Do not apply within 21 days of picking. Do not feed foliage from treated cotton plants or gin trash to livestock. Do not graze treated areas with livestock.

### Yield Enhancement (All Cotton Growing Areas)

Applications of Galecron at 5-7 day intervals have resulted in cotton yields above that expected from insect control. For a yield enhancement effect, apply Galecron 4E at 1/4-1/2 pt./A 4-6 times beginning at first pin head square formation (6-8 true leaf stage).

**Notes:** Yield increase may not occur if plants are under stress during treatment. Applications may be combined with other insecticides as needed.

### Storage and Disposal Instructions

**Storage** — Do not store at temperatures below 32°F, since crystals may form. If allowed to freeze, place in a warm room (50-80°F) and roll and shake the container frequently for several days until crystals are dissolved. Do not use, spill, or store near heat or open flame.

**Pesticide Disposal** — Apply pesticide rinsate to a previously treated area. Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures under the Resource Conservation and Recovery Act.

**Container Disposal** — Do not reuse this container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved state and local procedures.

### Special Precautions to Prevent Exposure

Wear the standard and special protective clothing as indicated below to ensure against possible exposure during all operations associated with handling and application.

**Standard Clothing:** Heavy-duty, long-sleeve, one-piece work suit; cloth cap; underwear including T-type undershirt; leather or heavy-duty fabric gloves; socks; heavy-duty work boots, waterproofed.

- Wear clean clothes each day and launder before reusing. Place contaminated clothing in a specially designated container until laundering.
- Keep a complete clean change of clothes at the work site for use if needed.
- Replace boots and gloves if contaminated.

#### Special Protective Clothing and Equipment

- Wear rubber boots (slip-on, knee-length, waterproof) and heavy-duty rubber or neoprene gloves when handling Galecron 4E, for cleaning equipment, in the case of spills, during wet conditions, or when otherwise appropriate for maximum protection.
- Wear a complete waterproof rubberized or plastic rain suit with head covering when cleaning equipment, in the case of spills or accidents, and for other special use when maximum protection is needed.
- Wear an approved pesticide respirator, such as Willson 1200 facepiece equipped with Willson R-21 cartridges and R-15 filters, during application of Galecron 4E, during cleanup operations, in the event of spills or accidents, or when otherwise exposed to vapors or spray mist. Clean mask after each use and change cartridges and filters daily not to exceed 8 hours of use, or if breathing becomes difficult.
- Clean all protective clothing and equipment before reuse.

#### Personal Precautions

- If Galecron 4E concentrate or spray gets on clothing, remove contaminated clothing and wash affected parts of body with soap and water. If there is any question as to the extent of contamination, bathe entire body thoroughly. Change to clean clothing.
- Wash hands with soap and water before eating, drinking, or smoking.
- At the end of the workday, bathe entire body with soap and plenty of water.

#### Special Equipment

- Galecron 4E must be transported, transferred, and mixed using closed system equipment. A closed system is defined as appropriate connections, meters, pumps, and plumbing designed to eliminate human contact. Do not use open mixing vats or tanks, or open pouring.
- All plumbing connections must be sufficiently tight to prevent leakage.
- Use hoses constructed of chemically resistant, heavy-duty, reinforced materials. Avoid excessive pressures to minimize the possibility of rupture. If any sign of weakness appears, flush the hose thoroughly with clean water and replace immediately.
- Transport and storage vessels, and transfer equipment must be equipped with dry-break valves.
- Any equipment which has been contaminated with Galecron 4E must be thoroughly cleaned and flushed with clean water prior to maintenance or use for other purposes. Wear appropriate protective clothing when performing equipment maintenance operations.
- Spray equipment must be equipped with low drift nozzles.

#### Accidents

- For minor spills, leaks, etc., follow all precautions indicated above and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.
- In the event of a major spill or accident, contact CIBA-GEIGY for assistance at (919) 292-7100.

#### Application and Reentry

- Do not apply near any person or dwelling.
- Do not enter treated fields for at least one day after application.

Ambush<sup>®</sup> trademark of ICI Americas, Inc.

Azodrin<sup>®</sup> trademark of Shell Chemical Company

Bolstar<sup>®</sup> trademark of Mobay Chemical Corporation

Bydrin<sup>®</sup> trademark of Shell Chemical Company

Curacron<sup>®</sup> trademark of CIBA-GEIGY for profenofos  
U.S. Patent No. 3,992,533

Dimlin<sup>®</sup> trademark of Thompson-Hayward Chemical Company

Eicar<sup>®</sup> trademark of Sandoz, Inc.

Galecron<sup>®</sup> trademark of CIBA-GEIGY for chlordimeform  
U.S. Patent Nos. 3,378,437; 3,502,720; 3,487,156; 3,629,460;  
3,462,537

Guthion<sup>®</sup> trademark of Mobay Chemical Corporation

Imidan<sup>®</sup> trademark of Stauffer Chemical Company

Lorsban<sup>®</sup> trademark of Dow Chemical Company

Orthene<sup>®</sup> trademark of Chevron Chemical Company

Pounce<sup>®</sup> trademark of FMC Corporation

Pydrin<sup>®</sup> trademark of Shell Chemical Company

Supracide<sup>®</sup> trademark of CIBA-GEIGY Corporation

EPA Reg. No. 100-551

EPA Est. 100-LA-1

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419  
CGA 35L31A 072

Mr. Charles Rock  
Agricultural Division  
Ciba-Geigy Corporation  
P. O. Box 11422  
Greensboro, NC 27409

Dear Mr. Rock:

Subject: Galecron 4E  
EPA Registration No. 100-551  
Your Application Dated September 3, 1982

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Jay S. Ellenberger  
Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosure

TS-767C;ELLENBERGER;DCR-24754;WANG-0424C:ert:Raven:479-2013: 9/28/82

**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 APPLICATOR'S CERTIFICATION

# Galecron® SP

## Insecticide-Ovicide

For control of certain insects on cotton

**Active Ingredient:**  
 Chlordimeform hydrochloride:  
*N*'-(4-chloro-*o*-tolyl)-*N,N*-dimethyl-  
 formamidine monohydrochloride ..... 95%

**Inert Ingredients:** ..... 5%

**Total:** ..... 100%

Galecron SP is a soluble powder

**NOTE:** This product has been shown to cause cancer in laboratory animals. The user must read and follow all precautionary statements and instructions for use.

**Keep Out of Reach of Children.**

### WARNING

#### PRECAUTIONARY STATEMENTS

**Hazards to Humans** — May be harmful or fatal if swallowed or absorbed through the skin. Do not contaminate food or feed. Do not get in eyes, on skin, or on clothing. Wear goggles when handling. In case of contact, flush with water and get medical attention. Avoid breathing dust or spray mist. Wash hands with soap and water before eating, drinking, or smoking. Wear clean clothes and wash before reusing.

**Environmental Hazards** — This product is toxic to fish and wildlife. Do not contaminate any body of water by direct application, cleaning of equipment, or disposal of wastes and containers. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

This outer protective bag houses Galecron SP in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer bag, immediately dump entire unopened inner bag into the closed-system mix tank. Do not handle soluble bag or expose it to moisture, since this may cause rupturing.

## 2½ Pounds Net Weight

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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

Galecron SP is an insecticide and ovicide.

Galecron SP acts primarily as an ovicide for the control of bollworm and tobacco budworm on cotton. Best results can be expected from fields under Pest Management Scouting programs.

Galecron SP where used alone will have little or no effect on boll weevil (cotton) or on predators, beneficial insects, and bees.

#### 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 Galecron SP thoroughly mixed. Flush spray tank thoroughly with water daily after use and dispose of pesticide rinsate by application to an already treated area.

**Galecron SP Alone:** Use a closed system for introduction of Galecron SP into the spray tank. Drop the required number of unopened 2½ lb. soluble bags into the mix tank ¾ full of water with the agitator running. Then add the remainder of the water.

**Galecron SP + Tank Mixtures:** Add ¾ 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 Galecron SP through a closed system. Continue agitation while adding the remainder of water. Do not use with lime, lime-sulfur, Bordeaux mixtures, or other highly alkaline materials as a tank mix.

**Note:** Do not let spray mixture stand overnight in the spray tank. Rinse spray tank at the end of the day. Do not apply just before rain or poor control may result.

It is not necessary to use a spreader-sticker with Galecron SP. However, if one is used, it is suggested that the tolerance of the crop to such a mixture be determined by first testing it on a small scale.

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