

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 30 1992

300 / 416,940  
18

Ms. Jody A. Wren  
Regulatory Affairs Specialist  
Animal Health Regulatory Affairs  
Ciba-Geigy  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Ms. Wren:

Subject: Final Printed Labeling for Larvadex 1% Premix  
EPA Registration No. 100-671

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable subject to the following comment.

- In the Important note to feed mill operators section you must add "and breeders" after "layers."

A stamped copy of the label is enclosed for your records. Submit five (5) copies of final printed labeling.

Sincerely,



Phil Hutton  
Product Manager 18  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

CONCURRENCES

SYMBOL	H7505C						
SURNAME	Phil Hutton						
DATE	9/30/92						

ACCEPTED  
with COMMENTS  
to EPA Letter Dated

SEP 30 1992

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-671

# Larvadex<sup>®</sup>

## 1% Premix

CIBA-GEIGY

25 Pounds

For fly control in and around (1) Caged or slatted flooring  
layer chicken operations. (2) Breeder chicken operations.

**LARVICIDE**

KEEP OUT OF REACH OF CHILDREN

Active ingredient: Cyromazine:

**CAUTION**

*N*-cyclopropyl-1,3,5-triazine-

See additional precautionary state-

2,4,6-triazine ..... 1.0%

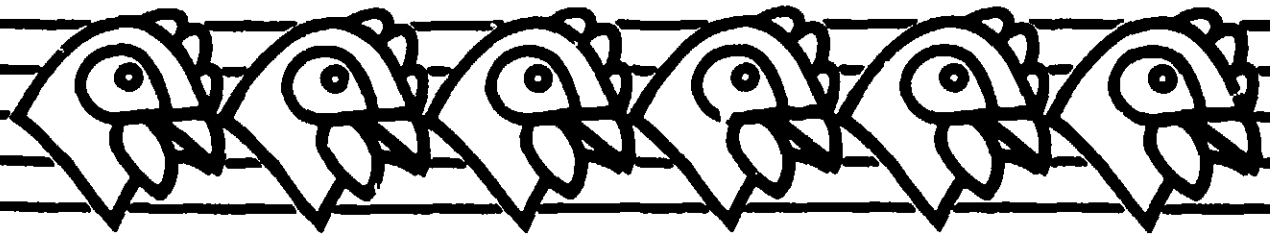
ments on back of bag. See directions

Inert ingredients: 99.0%

for use on back of bag.

Total: 100.0%

EPA Reg. No. 100-671 / EPA Est. 002-402-4



**BEST AVAILABLE COPY**

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**Larvadex® 1% Premix**

**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.

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**Conditions of Sale and Warranty**

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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. 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.

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**General Information**

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Larvadex is a premix which, when blended into a poultry ration according to the **Directions for Use** given below, will control certain fly species which develop in poultry manure. Larvadex is intended for use only in poultry (chickens) layer and breeder operations.

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**DIRECTIONS FOR USE**

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

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

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## Larvadex® 1% Premix

Fly control in poultry operations should include appropriate sanitary and management practices to reduce the number and size of fly breeding sites. A successful sanitary and management program may allow less than constant use of insecticides. This, in turn, should prolong the effective life of such control agents.

### Eliminating fly breeding sites

Certain conditions around poultry operations encourage flies and should be brought under control or eliminated as an aid to fly control. These include:

- Removing broken eggs and dead birds.
- Cleaning up of feed spills, manure spills, especially if wet.
- Reducing feed spills in the manure pits.
- Reducing moisture in manure in the pits.
- Repairing water leaks that cause wet manure.
- Cleaning out weed-choked water drainage ditches.
- Minimizing sources from other fly-infested animal operations in close proximity to the poultry house.

### Determining the threshold of fly tolerance

Fly pressure can vary depending on farm location, season of the year and emphasis on sanitation. Newer, controlled environment poultry houses are known to be less susceptible to fly populations re-establishing, once brought under control. Frequency of manure removal and proximity of the farm to neighbors or residential areas will greatly influence the expected degree of fly control. Each farm must determine the level of fly control required and follow an appropriate control program.

### Blending and Feeding Larvadex

**Housefly, soldier fly, lesser housefly:** Mix 1 lb. of Larvadex 1% Premix per ton of feed. Feed the treated feed as a daily ration. Begin feeding when adult flies become active and continue treatment as prescribed through the fly season.

### Important note to feed mill operators

Larvadex feed formulators (those mixing as a service to customers) must inform the feed user that treated feed must be removed from layers at least 3 days before slaughter. The following label statement is suggested for use on treated feed containers: "This poultry feed is formulated with 5.0 ppm (0.01 lb./ton) cyromazine. Treated feed must not be fed to layers for a minimum of 3 days (72 hrs.) before slaughter for food."

**WITHDRAW 3 DAYS  
BEFORE SLAUGHTER**

**BEST AVAILABLE COPY**

## Larvadex® 1% Premix

Larvadex will provide a high degree of fly control and will give best results when integrated with a well-managed fly control program which includes minimization of fly breeding sites, a determination of the degree of fly control desired, a monitoring of adult fly populations in and around the operation; and frequent examinations of manure for maggot activity.

### When and how to use Larvadex

First, monitor adult flies in and near the poultry house. When the population reaches a level to cause concern, use a registered adulticide spray or fog to reduce the breeding potential. Then, examine manure in the pits for maggot activity. If maggots are active, start Larvadex in the ration.

Feed Larvadex continuously as directed for 4 to 6 weeks. Usually, this is enough time for Larvadex to thoroughly cover the droppings and break the fly population cycle in the poultry house.

After a minimum of 4 to 6 weeks of Larvadex feeding, carefully examine the manure pits. If little or no activity is observed in the manure, discontinue Larvadex and continue the sanitary and management program. Continue monitoring the manure pits. If maggots become active again, repeat the procedure.

Use bait, sprays or fogs as needed during and between Larvadex feeding periods to control any adult flies.

During winter months or during periods of low fly pressure, discontinue Larvadex use for at least four consecutive months per year.

Consult with local extension service poultry entomologists or your State Agricultural Experiment station for additional localized fly control suggestions.

**Note:** Do not feed Larvadex treated feed to broiler poultry. Larvadex 1% Premix use in poultry is limited to use as a feed-through in chicken layer and breeder operations only and may not be fed to any other poultry species.

To avoid illegal residues, Larvadex treated feed must be removed at least 3 days (72 hrs.) before slaughter.

Manure from chickens fed Larvadex may be used as a soil fertilizer supplement. Do not apply more than 3 tons of manure per acre per year. Do not apply to small grain crops that will be harvested or grazed or illegal residues may result. Do not feed manure from chickens fed Larvadex to animals.

**WITHDRAWN 3 DAYS  
BEFORE SLAUGHTER**

**BEST AVAILABLE COPY**

Larvadex® 1% Premix

## Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal practices. Store in a dry place.

**Pesticide:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container:** Completely empty bag into mixer. Dispose of empty bags in a sanitary landfill, or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage or other emergency, contact CIBA-GEIGY at 1-800-888-8372 day or night.

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

##### CAUTION

Harmful if inhaled or absorbed through the skin. Avoid breathing dust. Avoid contact with skin or clothing. May cause skin sensitization reactions in certain individuals. Wash thoroughly with soap and water after handling.

##### Statement of Practical Treatment

**If on skin:** immediately wash with plenty of soap and water. Get medical attention if irritation develops or persists.

**If Inhaled:** remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

**If In eyes:** flush with plenty of water. Get medical attention if irritation develops or persists.

##### Environmental Hazards

Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

Larvadex® trademark of CIBA-GEIGY for cyromazine

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419  
CGA 69L39G 071

TAKE TIME



OBSERVE LABEL  
DIRECTIONS