

300 / 426,707
18

SEP 30 1992

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 2SL
EPA Registration No. 100-662

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.

- Delete "except those knowingly involved in the application." from the statement "Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application."

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	H702C						
SURNAME	Mantol						
DATE	9/30/92						

Larvadex[®]

2SL

LIQUID LARVICIDE

One Gallon U. S. Standard Measure

CIBA-GEIGY
Animal Health

For fly control in and around chicken layer and breeder operations only

Active ingredient:

Cyromazine: N-cyclopropyl-1,3,5-triazine-2,4,6-triamine	2%
Inert ingredients:	98%
Total:	100%

Contains 0.17 lb. cyromazine per gallon.
See directions for use inside booklet.
STORE AT TEMPERATURES ABOVE 32°F.
EPA Reg. No. 100-662 EPA Est. 602-MO-1

Keep Out of Reach of Children.
CAUTION

See additional precautionary statements at end of label booklet.
Larvadex[®] trademark of CIBA-GEIGY for cyromazine
© 1991 CIBA-GEIGY Corporation
CIBA-GEIGY Animal Health
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419
CGA 69L48 061

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. 100-662

Cut along perforation to open booklet



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. If terms are not acceptable, return the unopened product container at once.

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. 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

Larvadex 2SL is a soluble concentrate, which when diluted with water according to the Directions for Use given below, will act as a larvicide to control fly species which develop in poultry manure and refuse. Larvadex controls fly infestations by breaking the life cycle at the maggot stage.

DIRECTIONS FOR USE

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

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

Do not apply this product in such a manner as to directly or through spray drift expose workers or other persons, except those knowingly involved in the application.

For Housefly, Lesser Housefly and Soldier Fly Control in Poultry Operations Including Layer and Breeder Chickens

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.

BEST AVAILABLE COPY

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.

When and How to Use Larvadex 2SL

First, monitor adult flies in and near the poultry house. When the population reaches a level to cause concern, use registered adulticide baits, sprays or fogs to reduce fly numbers and breeding potential. Then, examine manure and other fly breeding areas for maggot activity. If maggots are active, treat breeding sites with Larvadex 2SL.

Mixing Application

Dilute Larvadex 2SL with water to make 0.1% spray (see following Dilution Chart). Apply 1 gal. of finished spray per 100 sq. ft. of area over surface of manure, manure storage areas, spilled feed and other sites where maggots are active. Do not apply Larvadex 2SL more frequently than once every 21 days.

Registered baits, sprays or fogs should be used to reduce adult flies present at the onset of larvicide program and best management practices should be followed. They should also be used to help control any influx of adult flies from other areas.

NOTES

DO NOT APPLY LARVADEX 2SL DIRECTLY TO POULTRY OR POULTRY FEED AS ILLEGAL RESIDUES MAY RESULT. DO NOT FEED MANURE TREATED WITH LARVADEX 2SL TO ANIMALS.

TO AVOID ILLEGAL RESIDUES, ALLOW 1 DAY (24 HOURS) BETWEEN LAST APPLICATION AND SLAUGHTER.

FOR USE AS A SPOT TREATMENT ON 20% OF MANURE SURFACE ONLY WHEN USED IN CONJUNCTION WITH LARVADEX 1% PREMIX.

MANURE TREATED WITH LARVADEX 2SL MAY BE USED AS A SOIL FERTILIZER SUPPLEMENT. DO NOT APPLY MORE THAN 4 TONS OF MANURE TREATED SOLELY WITH LARVADEX 2SL PER ACRE PER YEAR. DO NOT APPLY MORE THAN 3 TONS OF MANURE TREATED WITH LARVADEX 1% PREMIX AND LARVADEX 2SL AS A SPOT TREATMENT PER ACRE PER YEAR. DO NOT APPLY TO SMALL GRAIN CROPS THAT WILL BE HARVESTED OR GRAZED OR ILLEGAL RESIDUES MAY RESULT.

Larvadex 2SL Dilution Chart

Gallons of Finished Spray Needed	Amount of Larvadex 2SL to Use for 0.1% Finished Spray
1	6.5 fl. oz. (13 tablespoons)
5	32.00 fl. oz. (4 cups or 2 pints)
25	160.00 fl. oz. (20 cups or 10 pints)

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal, or cleaning of equipment. Store at temperatures above 32°F. Crystals may form at lower temperatures. If this occurs, place the product in a warm room (72°F or above) and shake the container at frequent intervals until all crystals are dissolved. Since this formulation contains water, it can also freeze solid at temperatures below 32°F. However, when reconstituted and crystals redissolve, product performance is not affected.

Pesticide: Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions, must be disposed of according to federal, state or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Container: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or by open burning if allowed by state and local authorities. If burned, keep out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label 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, fire or other emergency, call 1-800-888-8372 day or night.

Precautionary Statements**Hazards to Humans and Domestic Animals****CAUTION**

Causes moderate eye irritation. Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with eyes, skin or clothing. Do not breathe vapors or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

If on skin: Wash with plenty of soap and water. If irritation develops or persists, get medical attention.

If in eyes: Flush with plenty of water. If irritation develops or persists, get medical attention.

If inhaled: Move to fresh air.

Environmental Hazards

Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Corrosive to tin.

Larvadex® trade mark of CIBA-GEIGY for cyromazine

©1991 CIBA-GEIGY Corporation

CIBA-GEIGY Animal Health

CIBA-GEIGY Corporation

Greensboro, North Carolina 27419

CGA 69L48

061

Larvadex®

2SL

LIQUID LARVICIDE

For fly control in and around chicken layer and breeder operations only

Active ingredient: Cyromazine:
N-cyclopropyl-1,3,5-triazine-
2,4,6-triamine2%

Inert ingredients: 98%
Total: 100%

Contains 0.17 lb. cyromazine per gallon.

EPA Reg. No. 100-662

EPA Est. 602-MO-1

Larvadex® trademark of CIBA-GEIGY for cyromazine

© 1991 CIBA-GEIGY Corporation

CIBA-GEIGY Animal Health
CIBA-GEIGY Corporation
Greensboro, NC 27419
CGA 69L48 061

One Gallon
U. S. Standard Measure

Keep Out of Reach of Children.

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes moderate eye irritation. Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with eyes, skin or clothing. Do not breathe vapors or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

If on skin: Wash with plenty of soap and water. If irritation develops or persists, get medical attention.

If in eyes: Flush with plenty of water. If irritation develops or persists, get medical attention.

If inhaled: Move to fresh air.

Environmental Hazards

Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Corrosive to tin

Storage and Disposal

STORE AT TEMPERATURES ABOVE 32°F

Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label 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, fire or other emergency, call 1-800-888-8372 day or night.

DIRECTIONS FOR USE:

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

See Directions For Use and Conditions of Sale and Warranty in attached booklet.