



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 20 1987

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg. No. 100-ATR. Larvadex® 1% Pre-Mix (Cyromazine, CGA-72662). Amended registration request to increase the amount of active in the formulated product. Accession No. 265417. RCB No. 1749.

FROM: Linda S. Propst, Chemist
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Linda S. Propst

THRU: Andrew R. Rathman, Section Head
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TO: Arturo Castillo, PM 17
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Agricultural Division of the Ciba-Geigy Corporation is requesting to increase the amount of active ingredient cyromazine (N-cyclopropyl-1,3,5-triazine-2,4,6-triamine) in the formulated product Larvadex® Premix from 0.3% to 1.0%. The proposed label for Larvadex® 1% Premix has lifted the label restriction currently imposed by the Agency against using meat and eggs from breeder poultry fed Larvadex® Premix.

(a) Tolerances have been established for combined residues of the insecticide cyromazine (N-cyclopropyl-1,3,5-triazine-2,4,6-triamine) and its metabolite, melamine (1,3,5-triazine-2,4,6-triamine) in or on eggs at 0.25 ppm.

(b) Tolerances have been established for residues of the insecticide cyromazine (N-cyclopropyl-1,3,5-triazine-2,4,6-triamine) in or on poultry fat (from chicken layer hens only), meat (from chicken layer hens only), and meat by-products (from chicken layer hens only) at 0.05 ppm.

(c) Tolerances have been established for residues of the cyromazine metabolite, melamine (1,3,5-triazine-2,4,6-triamine) in or on poultry fat (from chicken layer hens only), meat (from chicken layer hens only), and meat by-products (from chicken layer hens only) at 0.05 ppm.

A feed additive tolerance of 5 ppm has been established to cover residues of the insecticide cyromazine (N-cyclopropyl-1,3,5-triazine-2,4,6-triamine) in poultry feed (21 CFR 561.99).

Larvadex® Premix is a feed-through larvicide mixed with poultry rations for control of the house fly, lesser house fly and the soldier fly in and around caged (chicken) layer operations only.

The currently registered use allows for Larvadex® 0.3% Premix to be fed at 1.5 ppm (1 lb. of Larvadex® 0.3% Premix per ton of poultry feed) and 5 ppm (3.3 lbs. of Larvadex® 0.3% Premix per ton of poultry feed).

As part of the conditional registration of Larvadex® Premix the Agency has stipulated various labeling requirements (page 20381, FR Volume 50, 5/15/85):

For fly control in and around caged (chicken) layer operations only. Do not feed Larvadex®-treated feed to broiler poultry.

Meat and eggs from breeders treated with Larvadex® are not to be used for food.

Larvadex® use is limited to use as a feed-through in chickens only and may not be fed to any other poultry species.

Treated feed must not be fed to layers for a minimum of 3 days (72 hours) before slaughter for food.

The proposed amended registration for Larvadex® Premix would change the amount of active ingredient, cyromazine, from 0.3% to 1.0% in the formulated product. The current maximum use rate to be fed 5 ppm cyromazine (1 lb. of Larvadex® 1% Premix per ton of poultry feed) will remain the same. Additionally, the current Feed Additive Regulation (569.99) would not need revision for this change. Included in the proposed label for Larvadex® Premix 1% is the removal of the restriction on the use of meat and eggs from breeder poultry fed Larvadex.

Conclusions and Recommendations

Since the maximum recommended use rate to be fed 5 ppm cyromazine remains the same as the currently registered use and the 3 day pre-slaughter interval is to be observed, we have no objections to increasing the amount of active ingredient in the formulated Larvadex® Premix from 0.3% to 1.0%. We conclude that the tolerances established to cover combined residues of cyromazine in poultry will not be exceeded.

The request to remove the label restriction currently imposed by the Agency against using meat and milk from breeder poultry fed Larvadex® Premix has been addressed previously (See L. Propst memo dated 8/13/86). We reiterate our conclusions and recommendations

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that based solely on the issue of whether tolerances will be exceeded, we conclude that the established tolerances will be adequate to cover any residues of cyromazine and its metabolite which may result in the eggs, poultry meat, fat and meat by-products of breeder chickens.

However, lifting the restriction against using meat and eggs from breeder poultry fed Larvadex® Premix does not fit the intent of the Federal Register notice and will result in a higher frequency of residues. Therefore, we defer to Toxicology and the Product Manager as to the appropriate action to be taken concerning this request since this requirement was initiated by the Assistant Administrator for Toxic Substances.

Note to PM - Since the current regulation specifies layers only and would have to be revised to cover this label change, any future request should be in the form of a pesticide petition which would request a change in the current regulation as well as the label revision.

cc: Circulation, Reading File, Cyromazine Subject File, PP#2F2707,
Reviewer, PMSD/ISB
RDI: A. R. Rathman, 1/16/87; R. D. Schmitt, 1/16/87
TS-769:RCB:LSP:lsp:CM-2:Rm801:557-1406:1/20/87

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