US EPA ARCHIVE DOCUMENT

113201

Date Out EFB: AUG 10 1981

To: Product Manager Henry Jacoby (21)
TS-767

PROPRIETARY

From: Dr. Willa Garner
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 372-LA

Chemical: vinclozolin [3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-1,3-oxazolidine-2,4-dione]

Type Product: Fungicide

Product Name: Ornalin

Company Name: Mallinckrodt

Submission Purpose: minor use on ornamentals and turf

ZBB Code: 3 (c)(7)

ACTION CODE: 160

Date in: 07/17/81

EFB # 891

Date Completed: 08/11/81

TAIS (level II)	Days
62	2

Deferrals To:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

1/3

1.0 INTRODUCTION

1.1 This is a submission for conditional registration by Mallinckrodt, Inc. of vinclozolin, the common name for the active ingredient in the fungicide Ornalin (apparently a 50% W.P.), for use on ornamentals and turf.

1.2 Previous data reviews of this active ingredient were completed on 4/23/78 (strawberries), 8/1/79 (lettuce and stonefruit), 3/25/80 (strawberries), 9/23/80 (rotational crops), and 12/16/80 (additional data - strawberries).

1.3 The proposed use is on turf and ornamentals.
1.4 Properties (see review of 3/25/80).
1.5 Structure (see review of 3/25/80).

2.0 DIRECTIONS FOR USE

2.1 Herbaceous plants: As a foliar spray, use 1.0 to 1.5 lb per 100 gallons of water. Spray all surfaces of the plant to drip. Begin applications when conditions for disease prevail. Repeat every 10 to 14 days during this period.

Bulb and Corm: As a foliar spray, use 1.0 to 1.5 lb per 100 gallons of water. Repeat every 10 to 14 days. For bulb/corm dip, use 1.5 to 2.0 lb per 100 gallons of water.
Turfgrass: For Dollar Spot (sclerotinia homeocarpa), apply 2 oz. in 5 gallons of water per 1000 sq.ft. Repeat in 2 to 3 weeks while disease conditions prevail.
For Fusarlum Patch (Fusarlum nivale without snow cover) apply 2 to 4 oz. in 5 gallons of water per 1000 sq.ft. Repeat in 2 to 3 weeks while disease conditions prevail.

2.2 This product is designated "for professional use only."
2.3 The label contains suitable storage and disposal information.

3.0 DISCUSSION OF DATA

3.1 No data was submitted with this petition.

3.1.1 A "me-too" registration was requested, based on data previously submitted by BASF-Wyandotte for Ronilan (EPA Reg. No. 7969-53).

3.1.2 Additionally the registrant cited the 9/30/80 memorandum from DAA (Ed Johnson) to ADAA, Division Directors and O/DAA staff entitled " Policy on Minor Uses," requesting consideration of this petition on that basis.

3.1.3 The registrant has agreed to submit and/or cite all data required for registration/reregistration of Ornalin under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

4.0 DISCUSSION

4.1 Current registration permits the use of vinclozolin (the active ingredient in Ornalin) up to 17.5 lbs a.i./acre. The maximal use of Ornalin would not exceed 11.0 lb ai./acre, based on the maximal proposed turfgrass useage of 2 oz. a.i./ 1000 sq.ft., with one repeat application in 2 to 3 weeks.

5.0 CONCLUSIONS

5.1 The environmental fate of this active ingredient is adequately understood, and supports the proposed use.

5.2 We concur with the proposed minor use registration.

6.0 RECOMMENDATIONS

6.1 The label should specify the maximum amount which can be applied annually (N.T.E. 35 lbs/acre/year).

6.1 The label should specify the type of formulation, i.e. 50% W.P.

Emil Regelman
Review Section #1
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