

Shaughnessy No.: 031301

Date Out of EFGWB: DEC 21 1989

To: E. Feris
Product Manager PM #74
Registration Division (H7505C)

From: Emil Regelman, Supervisory Chemist
Environmental Chemistry Review Section #2
Environmental Fate & Ground Water Branch/EFED (H7507C)

Thru: Henry Jacoby, Acting Chief
Environmental Fate & Ground Water Branch/EFED (H7507C)

Attached, please find the EFGWB review of...

Reg./File # : 45639-128

Chemical Name : Dicloran (DCNA)

Type Product : Fungicide

Product Name : Botran

Company Name : NOR-AM Chemical Company

Purpose : Review Accumulation in Confined Rotational Crops study.

Action Code : 660 EFGWB #(s) : 90-0023

Date Received : 10/17/89 Total Reviewing Time : 1 day

Date Completed : 11/2/89

Deferrals to: Ecological Effects Branch
 Dietary Exposure Branch
 Non-Dietary Exposure Branch
 Toxicology Branch I
 Toxicology Branch II

1. CHEMICAL:

chemical name: 2,6-dichloro-4-nitroaniline

common name: DCNA, Dicloran

trade name: Botran 75W

physical/chemical properties:

molecular weight: 207.0
physical state: crystalline solid
solubility in water: insoluble
melting point: 192-194°C

2. TEST MATERIAL:

Phenyl-labeled [¹⁴C]-dicloran, 95.17 uCi/mg, >98% purity.

3. STUDY/ACTION TYPE:


Review an Accumulation in Confined Rotational Crops study which was required by the 1983 DCNA Registration Standard.

4. STUDY IDENTIFICATION:

Fortsch, Armin. "W50 DICLORAN: Residues of Dicloran in Rotational Crops." Performed by Schering AG, Federal Republic of Germany. Submitted by NOR-AM Chemical Company. Received by EPA on August 11, 1989. MRID #: 412038-01.

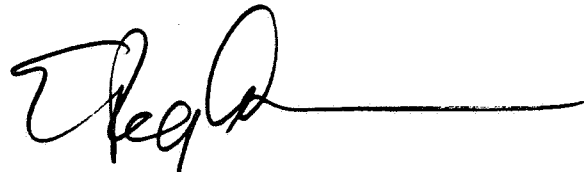
5. REVIEWED BY:

Dana Spatz
Chemist, ECRS #2
EFGWB/EFED/OPP


Date: DEC 21 1989

6. APPROVED BY:

Emil Regelman
Supervisory Chemist, ECRS #2
EFGWB/EFED/OPP


Date: DEC 21 1989

7. CONCLUSIONS:

This submission is being returned to PM #74 unreviewed. The bibliography for DCNA indicates that many of the studies required by the 1983 Registration Standard have been submitted to the Agency but have not yet been routed for review. The studies received but not yet reviewed are indicated below. In fact, the majority of the data necessary to make a complete environmental fate assessment of DCNA are in-house if these studies are found to be acceptable.

STATUS OF DATA REQUIREMENTS SPECIFIED IN THE
1983 REGISTRATION STANDARD

SATISFIED

Hydrolysis

NOT SATISFIED

Photodegradation in Water

Photodegradation on Soil

Aerobic Soil Metabolism - *submitted, not reviewed*

Anaerobic Soil Metabolism - *submitted, not reviewed*

Leaching-Adsorption/Desorption - *submitted, not reviewed*

Laboratory Volatility - *waiver requested*

Soil Field Dissipation - *submitted, not reviewed*

Accumulation in Confined Rotational Crops - *submitted, not reviewed*

Accumulation in Fish

8. **RECOMMENDATIONS:**

To facilitate the review process and enable EFGWB to make a preliminary environmental fate assessment, we request that all environmental fate studies now awaiting review be sent to EFGWB in one package with an appropriate due date.

9. **BACKGROUND:**

The DCNA Registration Standard was issued in December 1983. Since that time, only the Hydrolysis Data Requirement has been satisfied. Apparently, other studies have been submitted but have not yet been reviewed.

10. **DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:**

Not applicable.

11. **COMPLETION OF ONE-LINER:**

Not applicable.

12. **CBI APPENDIX:**

Not applicable.