

Shaughnessy No.: 099101

Date Out of EFGWB: FEB 23 1990

TO: P. Hundemann
Product Manager #74
Registration Division (H7505C)

FROM: Emil Regelman, Supervisory Chemist
Environmental Chemistry Review #2
Environmental Fate and Groundwater Branch/EFED (H7507C)

THRU: Hank Jacoby, Chief
Environmental Fate and Groundwater Branch
Environmental Fate and Effects Division (H7507C)

Attached, please find the EFGWB review of:

Reg./File #(s): 257428

Common Name: Benomyl

Chemical Name: Methyl-1-(butylcarbamoyl)-2-benzimidazole

Type of Product: Fungicide

Product Name: Benelate, Tersan 1991, Benex

Company Name: E.I. duPont de Nemours & Co.

Purpose: Review of soil column leaching and rice paddy
infiltration rate data in support of the aquatic field
dissipation data requirement.

Date Received: 11/13/89

Action Code: 660

EFGWB #(s): 90-0062

Total Reviewing Time: 0.2

Deferrals to: ☐ Ecological Effects Branch/EFED
☐ Science Integration & Policy/EFED
☐ Non-Dietary Exposure Branch/HED
☐ Dietary Exposure Branch/HED
☐ Toxicology Branch I/HED
☐ Toxicology Branch II/HED

1. CHEMICAL:

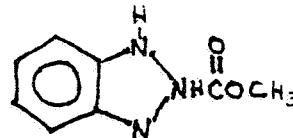
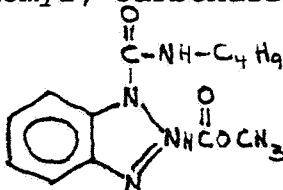
Common Name: Benomyl

Chemical Name: Methyl-1-(butylcarbamoyl)-2-benzimidazole

Type of Product: Fungicide

Trade Name: Benelate, Tersan 1991, Benex

Chemical Structures: Benomyl, carbendizam (the major degradate)



2. TEST MATERIAL:

See DER attached to EFGWB #90-0276.

3. STUDY/ACTION TYPE:

Soil column leaching study and flooded rice growing soil infiltration rates in support of the aquatic field dissipation (164-2) data requirement.

4. STUDY IDENTIFICATION:

(1) Letter dated 11/7/89 from R. Hamlen of Du Pont to P. Hundemann of RD/OPP.

(2) MRID #41274801

Ryan D. 1989. Soil column leaching of [phenyl(U)-¹⁴C]benomyl in a rice paddy soil. Completed on October 9, 1989. Performed and submitted by E.I. du Pont de Nemours and Company, Wilmington, DE. (included in a package with the 11/7/89 letter referenced above).

(3) Internal du Pont memo dated 10/11/89 from K. Monson to R. Hamlen. Attached to the memo were infiltration rate data for various rice fields (memo and attachment were included in a package with the 11/7/89 letter referenced above).

5. REVIEWED BY:

Henry Nelson, Ph.D., Chemist
Environmental Chemistry Review Section #2
Environmental Fate and Groundwater Branch/EFED

H. Nelson
Date: 2/22/90

6. APPROVED BY:

Emil Regelman, Supervisory Chemist
Environmental Chemistry Review Section #2
Environmental Fate and Groundwater Branch/EFED

E. Regelman
FEB 23 1990

Date:

7. CONCLUSIONS:

This action (EFGWB #90-0062) is identical to action EFGWB #90-0276 except that the latter also contained a comparison of the characteristics of test soils used in a batch equilibrium adsorption/desorption study (00151422) to characteristics of 7 typical rice growing soils. Refer to EFGWB #90-0276. dated 2/23/90.