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PC#: 029001
Date Out of EFGWB: SEP 9 1991

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THROUGH: Henry Jacoby, Chief
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Attached, please find the EFGWB review of:

Submission/Case#: S396173/818694,S395851/818694,S391801/818694, S396172/818694

Common Name : Dichloropropene, 1,3-D

Chemical Name : 1,3-Dichloropropene

Product Type : Nematicide/Fungicide/Herbicide/Insecticide

Product Name : Telone II

Company Name : DowElanco

Purpose : Review data waiver request, time extension request, protocol to confined rotational crop, and protocol to field volatility.

Date Received: 8/12/91 **EFGWB #(s):** 91-0607,91-0429,91-0586.91-0608

Date Completed: 8/21/91

Total Reviewing Time: 2.5 days

Deferrals to:

_____Ecological Effects Branch/EFED

_____Science Integration & Policy Staff/EFED

_____Non-Dietary Exposure Branch/HED

_____Dietary Exposure Branch/HED

_____Toxicology Branch I, II/HED

7. CONCLUSIONS:

Aerobic Soil Metabolism (162-1), deadline extension; Aged Column Leaching (163-1), deadline extension; Leaching study (163-1) waiver request.

1) EFGWB concurs with the registrant's proposed submission dates for the aerobic soil metabolism (162-1) data requirement and the aged soil column leaching (163-1) data requirement for 1,3-dichloropropene.

2) EFGWB cannot concur with the registrant's data waiver request for the soil column leaching study (163-1) on 1,2-dichloropropane.

Confined Rotational Crop (165-1) Protocol

1) The EFGWB has no objections to the use of this protocol to conduct the confined accumulation in rotational crops (165-1) on 1,3-dichloropropene. The protocol is too general to provide specific suggestions and criticisms.

Field Volatility (163-3) Protocol

1) The EFGWB has no objections to the use of this protocol to conduct the field volatility study on 1,3-dichloropropene. The protocol is too general to provide specific suggestions and criticisms.

8. RECOMMENDATIONS:

1) EFGWB concurs with the time extension on the proposed submission dates of the aerobic soil metabolism (162-1) and the soil column leaching (163-1) data requirements for 1,3-dichloropropene.

2) EFGWB cannot concur with the data waiver request for the soil column leaching study on the impurity 1,2-dichloropropane.

3) EFGWB has no objections to the use of the proposed protocols for the confined accumulation in rotational crops (165-1) study and the field volatility study on 1,3-dichloropropene.

9. BACKGROUND :

Dichloropropene is a nematicide/fungicide/insecticide/herbicide registered for preplant application to terrestrial food crop (field and vegetable crop and orchard crop) and terrestrial nonfood (nursery stock and tobacco) use sites. Application rates range from 38.3 to 1067.6 lb. ai/A. Dichloropropene is formulated as a single active ingredient only as a 94% RTU. In multiple active ingredient formulations, it may be combined with methyl isothiocyanate, chloropicrin, methyl isothiocyanate plus chloropicrin, and methyl bromide. Dichloropropene may be applied prior to planting by chisel injection into a planting hole during backfilling. The specific application technique is determined by

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1) There has been a recent ground water advisory proposed for 1,3 -dichloropropene (1,3-D) due to its detection in ground water in New York. The 1,2-dichloropropane (1,2-D) impurity in the reformulated product at the level of 0.1-0.05% is also a concern to EFGWB because of its detection at various sites around the country. In order to clarify the impurity's potential to contaminate ground water the soil column leaching (163-1) data requirement is still required on 1,2-D.

11. COMPLETION OF ONE-LINER:
Attached.

12. CBI INDEX:
Not applicable.