

US EPA ARCHIVE DOCUMENT

REney:sd:4-19-71

Reevaluation No. 2 of Pesticide Petition
No. 1F1024 for Daconil and its metabolite
Submitted by Diamond Shamrock Corp.
Filed September 2, 1970
Revised November 19, 1970 and November 23
Revised March 5, 1971

NOTE: Accepted name is Chlorothalonil

I. Introduction

1. See evaluations dated October 20, 1970 and February 12.
2. See opinion November 5, 1970 a revised opinion was not given with evaluation of February 12.
3. On March 5, 1971, the petitioned submitted the following:
 1. Sec. B - Label restricted the feeding of treated plants. Deleted the request for W-75 for Lima beans and sugar beets. Restricted the registration to sweet corn, fresh market only.
 2. Sec. F - Deleted request for tolerance on beans, lima (pods removed) sugar beets (roots only) peanut, vine hay, sugar beet tops and sweet corn forage.
 3. Sec. D - Absence of conjugates involving the 4-hydroxy metabolite, benzamide or chlorobenzoic acid in plants has been demonstrated.
 4. 1/2 life in soil is 4 days.
 5. degraded by microorganisms to hydroxy - meterbolite. We need futher test for soil data. The 4-hydroxy cannot be quantatinely extracted from soil.
 6. 6-hydroxy found in milk and fat. 1/2 life calculated in cattle 6 days or less.
 7. Animal feeding study for 4-hydroxy metabolite will be done.
 8. Hexachlorohenzenic is not detestable in tech. grade Daconil 2787.

II. Conclusion

1. Sample which were not marated would make little or no difference in residues. As Daconil is a surface residue. Data on macerated sample not needed. Information on types of sample analyzed not needed.

2. The practice of harvesting celery in areas other than Florida would probably not leave higher weathers *residues*

3. Livestock feeding studies will be done.

III. Recommendations

A favorable opinion is given.

Subject: Opinion for Tolerance
Pesticide Petition Number 1F1024
Tolerances for chlorothalonil (3,4,5,6-
tetrachloroisophthalonitrile)(Daconil)
and its metabolite 4-hydroxy-2,5,6-
trichloroisophthalonitrile
Submitted by Diamond Shamrock Corporation
Filed September 2, 1970

To: Mr. C. L. Smith
Petitions Control Office

Please refer to the Divisions memorandum of November 5, 1970.

On March 5, 1971, the petitioner submitted revised Sections B, D
and F.

On November 19, 1970, the petitioner responded to the Department's
memorandum of November 5, 1970.

The revised opinion is favorable for the proposed tolerance in or
on peanuts, sweet corn (fresh market only), beans (snap), broccoli,
Brussels sprouts, cabbage, carrots (tops removed) cauliflower,
cucumber, melons (cantaloupe, honeydew, muskmelons and watermelons),
pumpkin, squash (summer and winter), tomato, and celery.

Chemicals Evaluation Staff

REney:sd 4-21-71