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

From: Richard V. Moraski, Head (acting)  
Review Section 1  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769c)

Attached please find the EFB review of...

Reg./File No.: 677-313

Chemical: Chlorothalonil

Type Product: Fungicide

Product Name: Bravo 500

Company Name: Diamond Shamrock

Submission Purpose: Label amendment: add almonds, rice and wheat

ZBB Code: 3(c)(7)  
ACTION CODE: 335

Date In: 4/25/83  
EFB #: 3331

Date Completed: 6/27/83  
TAIS (level II)  
Days

63 1.0

Deferrals To:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch
1.0 INTRODUCTION
The registrant (Diamond Shamrock) has requested that the BRAVO®500 label (Reg. # 677-313) be amended to include use on almonds, rice and wheat.

2.0 STRUCTURE

```
       C                  C
      / \                / \  
     C-Cl               C-Cl
    /      \            /      \ 
   CN-C=C-C-CN         CN-C=C-CN
   \       /            \       /
    Cl     Cl           Cl     Cl

Common Name: Chlorothalonil
Chemical Name: Tetrachloroisophthalonitrile
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3.0 DIRECTIONS FOR USE
Proposed suplemental labelling is appended to this review.

BRAVO®500 is currently registered, as follows...

Tree and Orchard Crops (peach, nectarine, apricot, cherry, plum, prune), Conifers, Field Crops (onion, peanuts, sugarbeets (for seed), tomatoes), and Forestry/Nursery/Greenhouse Management (24c in Oregon and Washington). A copy of the current label is appended to this review.

4.0 DISCUSSION
No new data were submitted. A review of the files indicates that two studies are outstanding: leaching and anaerobic soil metabolism. The previously submitted/reviewed anaerobic soil metabolism study (4/27/76) was found deficient and must be redone.

5.0 CONCLUSION
In-house data are not adequate to support the proposed additional uses.

6.0 RECOMMENDATION
The registrant should be informed that the data gaps noted in 4.0 above must be filled prior to FAB concurrence with the proposed label amendments.

Emil Regelman
Chemist
FAB/HED (TS-769c)
June 27, 1983
The material not included contains the following type of information:

___ Identity of product inert ingredients.

___ Identity of product impurities.

___ Description of the product manufacturing process.

___ Description of quality control procedures.

___ Identity of the source of product ingredients.

___ Sales or other commercial/financial information.

√ A draft product label.

___ The product confidential statement of formula.

___ Information about a pending registration action.

___ FIFRA registration data.

___ The document is a duplicate of page(s) ________.

___ The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.