

US EPA ARCHIVE DOCUMENT

Date Out EFB: APR 5 1982

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

From: Dr. Willa Garner, Chief <sup>ll</sup>  
Review Section No. 1  
Environmental Fate Branch  
Hazard Evaluation Division (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 3125-EUP-RT

Chemical: Bayleton 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-  
1,2,4-triazol-1-yl)-2-butanone

Type Product: Fungicide

Product Name: Bayleton

Company Name: Mobay

Submission Purpose: Use on Stonefruit

ZBB Code: Sec. 5

ACTION CODE: 750

Date In: 2/8/82

EFB # 177

Date Completed: 4/5/82

TAIS (level II)

Days

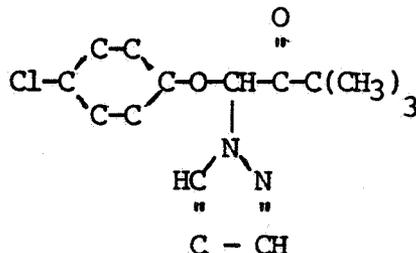
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1.0 INTRODUCTION

Mobay is requesting an EUP to use Bayleton [1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone] on apricots, nectarines, peaches and almonds.

2.0 STRUCTURE



3.0 EXPERIMENTAL PROGRAM

The registrant proposes to use 832 pounds (A.I. equivalent) of Bayleton, as the 50% Wetttable Powder, in Water Soluble Packets. Specific Details are appended to this review, as is the proposed label.

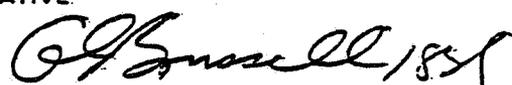
4.0 CONCLUSIONS

This fungicide has been previously reviewed, and all data requirements (conditional to the granting of an EUP) have been satisfied.

5.0 RECOMMENDATION

EFB concurs with the issuance of this EUP.

Emil Regelman  
Chemist  
EFB/HED (TS-769C)  
April 5, 1982

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDE PROGRAMS REGISTRATIC DIVISION (WH-567) WASHINGTON, D.C. 20460		APPLICATION FOR AN EXPERIMENTAL USE PERMIT TO SHIP AND USE A PESTICIDE FOR EXPERIMENTAL PURPOSES ONLY  <i>(Please read the instructions on reverse before completing)</i>	
1. TYPE OF APPLICATION  <input checked="" type="checkbox"/> NEW <input type="checkbox"/> EXTENSION <i>(Give number below)</i>  PERMIT NO. _____		2. EPA COMPANY NUMBER  3125	3. DATE OF APPLICATION  1/25/82
4. NAME AND ADDRESS OF FIRM/PERSON TO WHOM THE EX- PERIMENTAL USE PERMIT IS TO BE ISSUED <i>(Include ZIP code)</i>  MOBAY CHEMICAL CORPORATION AGRICULTURAL CHEMICALS DIVISION P. O. Box 4913 Kansas City, Missouri 64120  Attn: Mr. G. E. Brussell		5. NAME AND ADDRESS OF SHIPPER <i>(If shipment is intended and is          different from applicant) (Include ZIP code)</i>	
6. NAME OF PRODUCT  BAYLETON 50% Wettable Powder in Water Soluble Packets		7. IS PRODUCT REGISTERED WITH EPA  <input type="checkbox"/> YES <i>(If Yes, complete below)</i> <input checked="" type="checkbox"/> NO  EPA REG. NO. _____	
8. TOTAL QUANTITY PROPOSED FOR SHIP- MENT/USE  PRODUCT: <u>1664</u>  ACTIVE EQUIVALENT <u>832</u> POUNDS	9. PROPOSED PERIOD OF SHIPMENT/USE  Shipment January 1, 1983  thru  December 31, 1984	10. PLACES FROM WHICH SHIPPED  Kansas City, Missouri	
11. WILL TECHNICAL MATERIAL BE IMPORTED  <input checked="" type="checkbox"/> YES <i>(Give total quantity below)</i> <input type="checkbox"/> NO GALLONS _____    POUNDS <u>905</u>		12. PLACE WHERE DIRECTIONS FOR USE APPEAR  <input checked="" type="checkbox"/> ON CONTAINER LABEL <input type="checkbox"/> IN PRINTED MATTER ACCOMPANYING PRODUCT	
<b>CERTIFICATION.</b>			
This is to certify that food or feed derived from the experimental program will not be used or offered for consumption or sale for consumption except by laboratory or experimental animals if illegal residues are present in or on such food or feed.			
13. SPECIFY THE NAME AND TELEPHONE NUMBER OF THE IN- DIVIDUAL MOST FAMILIAR WITH THIS APPLICATION WHO CAN BE CONTACTED DIRECTLY, IF NECESSARY TO PROCESS THIS APPLICATION  G. E. Brussell (816) 242-2383		14. SIGNATURE OF APPLICANT OR AUTHORIZED FIRM REPRESENTATIVE  	
		15. TITLE  Manager, Registrations	16. DATE SIGNED  January 25, 1982
<b>BELOW FOR U.S. EPA USE ONLY</b>			
If any correspondence on this application, refer to this number: _____		RECEIVED BY EPA OFF. REGISTRATIO DIRECTOR, WASHINGTON, D.C. 20460	
Normal review time indicates that processing of this application is expected to be completed by: _____ Date: _____			
NAME OF EPA CONTACT: _____		TELEPHONE NO.: _____	

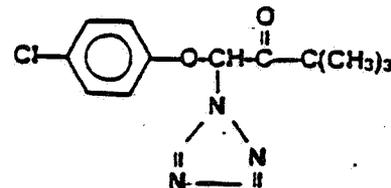
Technical Information

CHEMISTRY

Chemical Name:

1-(4-Chlorophenoxy)-3,3-dimethyl-1  
 -(1H-1,2,4-triazol-1-yl)-2-butanone

Structural Formula:



PHYSICAL AND CHEMICAL PROPERTIES (Technical)

Appearance: White to tan crystals  
 Odor: Odorless to milk aromatic  
 Molecular Weight: 293.7  
 Melting Point: 76°C (Technical)  
 Boiling Point: Too high to measure  
 Vapor Pressure:  $<10^{-6}$  mbar @ 20°C  
 Density: 1.23 @  $\frac{20^\circ}{4^\circ}$  C  
 Solubility: Water - 260 ppm @ 20°C  
 Cyclohexanone 35%  
 Toluene 25%  
 Isopropanol 17%  
 Methylene Chloride >50%  
 Ligroin 25%

Dissociation  
 Constants: Does not dissociate

PHYSICAL AND CHEMICAL PROPERTIES (Formulations)

BAYLETON 50Z WP

Miscibility: miscible with water  
 Boiling Point: N/A  
 Flashpoint: N/A  
 Specific Gravity/Density: Fluff - 12 lbs/cu.ft.  
 Pack - 20 lbs/cu.ft.  
 Viscosity: N/A  
 Vapor Pressure: N/A  
 Explosive Characteristics: No explosive properties  
 Oxidizing/Reducing Agent  
 Capability: No oxidizing or  
 reducing properties  
 Corrosive Hazards: Not corrosive  
 Stability: Report No. 66115 (Submitted 9/22/78 under  
 EPA Experimental Use Permit 3125-EUP-156)

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Triadimefon environmental fate review

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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 product 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
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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.

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Pages 6 through 9 are not included in this copy.

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