

US EPA ARCHIVE DOCUMENT

Case No.: 2700  
Chemical No(s): 109901

Page 1 of 4

130-91

OREB TRANSMITTAL SHEET FOR PHASE 4 REVIEWS

Transmitted to HED on 12/3/90

Case name: Triadimefon

Chemical name(s): 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone

Data submitter(s): Mobay Corporation

CRM: Franklin Rubis

Phone #: 308-8184

Issues/flags:

This action contains a request for a DATA WAIVER ( )  
TIME EXTENSION ( )  
ALTERED/DELETED USE ( )

Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Branch: Occupational and Residential Exposure Branch

Reviewed by: Laura Morris Date: 1/30/91

Approvals:

Section Head: Peg Perreault for Al Nilsson Date: 1/30/91

Branch Chief: [Signature] Date: \_\_\_\_\_

JAN 30 1991

81

Response, by Guideline

Guideline #: 132-1(a) Description: Foliar Residue Dissipation

Is requirement applicable? (Y/N): Y

Has an acceptable summary been submitted? (Y/N): N

Data Waiver( ) Time Extension( ) Other ( ) N/A

Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A

Discussion: Triadimefon, a fungicide formulated as an emulsifiable concentrate, a granular, a wettable powder and as water dispersible granules, is applied to a variety of crops ranging from nuts, pome fruits and grapes to raspberries, grains, melons and vegetables.<sup>1</sup> Applications are made using typical ground and aerial techniques (foliar spray, broadcast).<sup>1</sup> The potential for exposure exists (i.e., foliar applications). Triadimefon (Bayleton) is a carcinogen.<sup>2</sup> The registrant indicated in a Phase 3 response that a study will be submitted in support of this guideline. Upon receipt of the study, OREB will evaluate it to determine if it adequately fulfills the guideline requirement.

Guideline #: 132-1(b) Description: Soil Residue Dissipation

Is requirement applicable? (Y/N): N

Has an acceptable summary been submitted? (Y/N): N

Data Waiver( ) Time Extension( ) Other ( ) N/A

Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A

Discussion: Triadimefon, a fungicide formulated as an emulsifiable concentrate, a granular, a wettable powder and as water dispersible granules, is applied to a variety of crops ranging from nuts, pome fruits and grapes to raspberries, grains, melons and vegetables.<sup>1</sup> Applications are made using typical ground and aerial techniques (foliar spray, broadcast).<sup>1</sup> Minimal potential for worker exposure to soil exists. The toxicity triggers are met (i.e., carcinogen).<sup>2</sup> Based on the available use data, a soil residue dissipation study is not required.

<sup>1</sup> Use information is based on the LUIS report dated 10/24/90 from Phyllis Johnson, BEAD.

<sup>2</sup> The toxicity data is retrieved from the tox one-liner dated 11/2/90, discussion with SACB, and the 12/5/90 memo to HED which list chemicals evaluated for carcinogenic potential.

0 2

Guideline #: 133-3 Description: Dermal Exposure  
Is requirement applicable? (Y/N): Y  
Has an acceptable summary been submitted? (Y/N): N  
Data Waiver( ) Time Extension( ) Other ( ) N/A  
Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A  
Discussion: Triadimefon, a fungicide formulated as an emulsifiable concentrate, a granular, a wettable powder and as water dispersible granules, is applied to a variety of crops ranging from nuts, pome fruits and grapes to raspberries, grains, melons and vegetables.<sup>1</sup> Applications are made using typical ground and aerial techniques (foliar spray, broadcast).<sup>1</sup> The potential for exposure exists (i.e., foliar applications). Triadimefon is considered a carcinogen.<sup>2</sup> The registrant indicated in a Phase 3 response that a study will be submitted in support of this guideline. Upon receipt of the study, OREB will evaluate it to determine if it adequately fulfills the guideline requirement.

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Guideline #: 133-4 Description: Inhalation Exposure  
Is requirement applicable? (Y/N): Y  
Has an acceptable summary been submitted? (Y/N): N  
Data Waiver( ) Time Extension( ) Other ( ) N/A  
Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A  
Discussion: Triadimefon, a fungicide formulated as an emulsifiable concentrate, a granular, a wettable powder and as water dispersible granules, is applied to a variety of crops ranging from nuts, pome fruits and grapes to raspberries, grains, melons and vegetables.<sup>1</sup> Applications are made using typical ground and aerial techniques (foliar spray, broadcast).<sup>1</sup> The potential for worker exposure exists based on the foliar and broadcast applications. The registrant indicated in a Phase 3 response that a study will be submitted in support of this guideline. Upon receipt of the study, OREB will evaluate it to determine if it adequately fulfills the guideline requirement.

<sup>1</sup> Use information is based on the LUIS report dated 10/24/90 from Phyllis Johnson, BEAD.

<sup>2</sup> The toxicity data is retrieved from the tox one-liner dated 11/2/90, discussion with SACB, and the 12/5/90 memo to HED which list chemicals evaluated for carcinogenic potential.

Other Requirements:

Applicator Exposure Monitoring (Subdivision U)

Guideline #231: Estimation of Dermal Exposure at Outdoor Sites  
Guideline #232: Estimation of Inhalation Exposure at Outdoor Sites  
Guideline #233: Estimation of Dermal Exposure at Indoor Sites  
Guideline #234: Estimation of Inhalation Exposure at Indoor Sites

Comments:

Triadimefon, a fungicide formulated as an emulsifiable concentrate, a granular, a wettable powder and as water dispersible granules, is applied to a variety of crops ranging from nuts, pome fruits and grapes to raspberries, grains, melons and vegetables.<sup>1</sup> Applications are made using typical ground and aerial techniques (foliar spray, broadcast).<sup>1</sup> The potential for mixer/loader/applicator exposure exists based on the ground and aerial applications. Triadimeton is considered a carcinogen.<sup>2</sup> The registrant has submitted 2 protocols to OREB for review which were found to be acceptable (ground boom application on wheat, airblast application on grapes). OREB will evaluate submitted exposure studies, (MRID Nos. 409959-21 -Ground Boom Study on wheat and 413168-01 - Airblast Study on grapes) to determine if they adequately fulfill this data requirement.

<sup>1</sup> Use information is based on the LUIS report dated 10/24/90 from Phyllis Johnson, BEAD.

<sup>2</sup> The toxicity data is retrieved from the tox one-liner dated 11/2/90, discussion with SACB, and the 12/5/90 memo to HED which list chemicals evaluated for carcinogenic potential.

44