



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 11 1987

**EXPEDITE**

PMSD/ISB  
1435  
OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: PP#'s 4F3007, 4F3074, and 4F3026. Propiconazole (Tilt® or CGA-64250) on Crops. Method Trial Request for Method AG-454A. Accession No. 400224-01. RCB No. 1782.

FROM: Sami Malak, Ph.D., Chemist *Sami Malak*  
Tolerance Petition Section III  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769C)

TO: Donald A. Marlow, Chief  
Chemical Operations Branch, BUD (TS-768)

THRU: Charles L. Trichilo, Ph.D., Chief  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769C) *W*

Note: This method trial request is to be expedited at the request of the Registration Division's Director, Mr. E. F. Tinsworth (Letter of 3/4/87)

Ciba-Geigy is proposing establishment of permanent tolerances for residues of propiconazole (Tilt® or CGA-64250), 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole, in/on small grains (PP#4F3074), pecans (PP#4F3007), and bananas (PP#4E3026). This method is an updated version of AG-454 which was never submitted to RCB (Telecommunication with R. Conn of Ciba-Geigy, 3/6/87). Method AG-454 is said to be an updated version of the analytical methods previously submitted for crop commodities (memo of R. Conn of Ciba-Geigy to Lois Rossi of EPA, 12/9/86). Previously submitted methods for crops included method AG-356 which failed the trial (memo of R. Thomas to A. Smith, 9/9/86).

A method trial is requested for one chemical on three commodities. Samples should be run in duplicate at the requested fortification levels (see attached Table). Two copies of the appropriate method along with recoveries and sample chromatograms, are attached.

Please return the requested information on the attached forms and any other information concerning the method trial that we should be aware of including copies of chromatograms for representative controls, and fortified samples, standard curves and also submit examples of sample calculations.

The standard for CGA-64250 is available at the EPA Pesticides and Industrial Chemicals Repository under code F795 (Telephone No. 914/541-3951).

The Registration Division's "projected return date" for this action is April 24, 1987.

Please forward results of this method trial directly to Sami Malak.

Attachment 1: Two copies of Ciba-Geigy's Method No. AG-454A (36 pp), entitled: "Determination of Total Residues of Propiconazole in Crops As 2,4-Dichlorobenzoic Acid By Capillary Gas Chromatography; December 8, 1986."

Attachment 2: Expedited memo from E. F. Tinsworth, 3/4/87

cc With Attachments: D. Marlow

cc Without Attachments: RF, Circu, S. Malak, M. Bradley, Thompson, FDA, PP#4F3007, PP#4F3074, PP#4E3026, PM # 21, and MTO File.

RDI: P. V. Errico:3/11/87:R. D. Schmitt:3/11/87  
TS-769C:RCB:CM#2:RM814A:S.Malak:X557-4379:3/10/87

Method: Ciba-Geigy's Method No. AG-454A (36 pp), entitled:  
"Determination of Total Residues of Propiconazole in  
Crops As 2,4-Dichlorobenzoic Acid By Capillary Gas  
Chromatography; December 8, 1986."

Do not use control values for recovery corrections.

Do not report control values as 0; if less than limit of  
detection, report as such.

<u>Commodity</u>	<u>Chemical Added</u>	<u>PPM added</u>	<u>PPM found</u>	<u>% Recovery</u>
Wheat grain	Control	0.0		
	CGA-64250	0.1		
	CGA-64250	0.2		
Wheat Straw	Control	0.0		
	CGA-64250	1.5		
	CGA-64250	3.0		
Pecan, nutmeats	Control	0.0		
	CGA-64250	0.1		
	CGA-64250	0.2		

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USE SEPARATE FORM FOR EACH METHOD

Modifications to method (major or minor):

Special precautions to be taken:

Source of analytical reference standards:

If derivitized standard used, give source:

Instrumentation for quantitation:

Instrumentation for confirmation:

If instrument parameters differ from method given, list parameters used.

Commercial source for any special chemicals or apparatus:

Comments:

Chromatograms:

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Attachment 1 (copy 1 of 2 copies)

400224-01

VOLUME 2 OF 2 OF SUBMISSION

PROPICONAZOLE

STUDY TITLE

DETERMINATION OF TOTAL RESIDUES OF PROPICONAZOLE IN CROPS AS  
2,4-DICHLOROBENZOIC ACID BY CAPILLARY GAS CHROMATOGRAPHY

DATA REQUIREMENT

GUIDELINE NO. 171-4

AUTHOR

J. Toth and P.J. Manuli

STUDY COMPLETED ON

December 8, 1986

PERFORMING LABORATORY

BIOCHEMISTRY DEPARTMENT  
AGRICULTURAL DIVISION  
CIBA-GEIGY CORPORATION  
P.O. BOX 18300  
GREENSBORO, NC 27419

LABORATORY PROJECT ID

METHOD NO. AG-454A

VOLUME 1 OF 1 OF STUDY

PAGE 1 OF 36

AGRICULTURAL DIVISION  
CIBA-GEIGY CORPORATION  
P.O. BOX 18300  
GREENSBORO, NC 27419

STATEMENT OF NO DATA CONFIDENTIALITY CLAIMS

No claim of confidentiality is made for any information contained in this study on the basis of its falling within the scope of FIFRA Section 10(d)(1)(A), (B), or (C).

Company Agricultural Division, CIBA-GEIGY Corporation

Company Agent: Richard L. Conn Date: 12/9/84

Senior Regulatory Specialist Richard L. Conn  
Title Signature

STATEMENT CONCERNING GOOD LABORATORY PRACTICES

TO THE BEST OF MY KNOWLEDGE, THE STUDY CONTAINED  
IN THIS VOLUME HAS BEEN CONDUCTED IN ACCORDANCE  
WITH GOOD AND ACCEPTABLE SCIENTIFIC PRACTICES.  
BECAUSE GOOD LABORATORY PRACTICE REGULATIONS ARE  
NOT IN EFFECT FOR THE STUDY CONTAINED IN THIS  
VOLUME, CERTIFICATION OF COMPLIANCE WITH  
GOOD LABORATORY PRACTICES IS NOT APPLICABLE.

Richard L. Conn  
SIGNATURE OF AGENT OF SUBMITTER/SPONSOR

Richard L. Conn                      12/9/86  
TYPED NAME                              DATE

SUBMITTER/SPONSOR:

AGRICULTURAL DIVISION  
CIBA-GEIGY CORPORATION  
P.O. BOX 18300  
GREENSBORO, NC 27419

TILT CGA-64250 Reviews

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p. 8-40

The next 33 page(s) is/are not included in this copy of the TILT reviews.

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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
  - ☒ Detailed methods and results of a registrant submission.
  - ☐ Duplicate pages.
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The information not included generally is considered confidential by product registrants. If you wish to obtain the information deleted, please contact the individual who prepared this response to your request.

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