



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

14 August 1995

MEMORANDUM

SUBJECT: EFWGB's Response to the ECME Report for Paclobutrazol and the Ketone Metabolite in Soil (ECM 0060S1-S2)

TO: R. Taylor/J. Stone  
Registration Division (7505C)

FROM: Gail Maske, Chemist *Gail Maske*  
Chemical Review Section #1  
Environmental Fate and Ground Water Branch (H7507C)

THROUGH: Henry Jacoby, Chief *Henry Jacoby 8/21/95*  
Environmental Fate and Ground Water Branch  
Environmental Fate and Effects Division (H7507C)

Paul Mastradone, Section Chief *PM*  
Chemistry Review Section 1  
Environmental Fate & Ground Water Branch/EFED (H7507C)

The Environmental Chemistry Section of BEAD/ACB has completed the validation of the analytical method for determining paclobutrazol and its ketone metabolite in soil. Science Application International Corporation's data indicate method one is not an acceptable analytical method for paclobutrazol and its ketone metabolite in soil matrix. However, method two is an acceptable analytical method for both residues at both fortified levels (0.02 & 0.20 ug/kg). Furthermore, the registrant's method should state clearly that 20 mL of 40% ethyl ether in hexane is used for rinsing Florisil columns and that the analytes are eluted with 40 mL of 100% ethyl ether. A review of laboratory and field studies submitted to support registration of paclobutrazol shows that the above validation report does not change the status of the environmental fate data requirements.

In addition, it was noted by the Environmental Chemistry Section that the analytical methodology was stamped FIFRA CBI. For publication in the ECM manual, the registrant will need to remove the CBI classification from this paclobutrazol method and its related performance data. The revised non-confidential method should be sent to the following address.

Laboratory Chief  
U.S. Environmental Protection Agency  
Environmental Chemistry Laboratory  
Building No. 1105  
Spennis Space Center, MS 39529



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL CHEMISTRY SECTION  
BUILDING 1105—JOHN C. STENNIS SPACE CENTER  
STENNIS SPACE CENTER, MISSISSIPPI 39529-6000  
TELEPHONE (601) 688-3216

AUG 2 1996

MEMORANDUM

SUBJECT: ECM Evaluation Report for Paclobutrazol and the Ketone Metabolite in Soil (ECM 0060S1-S2)

FROM: Aubry E. Dupuy, Jr., Section Chief *Aubry E. Dupuy Jr.*  
BEAD/ACB/Environmental Chemistry Section

THRU: Donald A. Marlow, Branch Chief *DM*  
BEAD/Analytical Chemistry Branch

TO: Henry M. Jacoby, Branch Chief (7507C)  
EFED/Environmental Fate and Groundwater Branch

The EFED has requested environmental chemistry method evaluations (ECMEs) for a number of compounds on the various FIFRA priority lists. The enclosed ECM report, "Method Evaluation for the Determination of Paclobutrazol and its Ketone Metabolite in Soil (ECM 0060S1-S2)", is submitted in response to a priority request by EFGWB for this method evaluation.

The Registrant's method was evaluated by our contractor without major difficulty after consulting the Registrant, ZENECA Ag Products, for clarification of the cleanup steps. If you have questions, please call Bob Maxey at (601) 688-1225 or me at (601) 688-3212.

The study in MRID No. 146597 is stamped "CONFIDENTIAL" and contains the caution "Disclosure of this document to unauthorized persons might damage the Company's interests. It must be carefully guarded during working hours and always locked away at night". Please ask the technical reviewer to contact the Information Services Branch in PMSD and/or the Registrant to request the Registrant's removing the CBI classification from this method and its related performance data in this Paclobutrazol study so that we may publish the reformatted method in the new ECM Manual.

Attachment

cc: Robert Maxey/ECS

**METHOD EVALUATION FOR THE DETERMINATION OF PACLOBUTRAZOL  
AND ITS KETONE METABOLITE IN SOIL (ECM0060S1-S2)**


**FINAL REPORT**

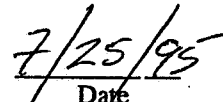
(Contains FIFRA CBI)

**Prepared By:  
Science Applications International Corporation**

**Submitted To:  
U.S. EPA Office of Pesticide Programs  
Stennis Space Center, MS**

**Work Assignment 11-3  
Contract No. 68-D2-0183  
July 25, 1995**

  
\_\_\_\_\_  
Mark Roby  
SAIC Task Manager/Study Director

  
\_\_\_\_\_  
Date

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PARACLOMIBUTRAZOL

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Pages 4 through 20 are not included in this copy.

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- \_\_\_\_\_ 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.
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