

US EPA ARCHIVE DOCUMENT

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EEB Out :

MAR 29 1994

To: Linda Propst
Product Manager 73
Special Review and Reregistration Division (H7508W)

From: Anthony F. Maciorowski, Chief
Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # :S451324
Chemical Name : Bromacil
Type Product :Herbicide
Product Name :
Company Name :Dupont
Purpose :Respond to registrants acetone data on plants

Action Code :527 Date Due : 12/19/93
Reviewer :Mike Davy Date In EEB: 10/21/93

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
71-1(A)			72-2(A)			72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)			72-3(A)			122-1(A)		
71-2(B)			72-3(B)			122-1(B)		
71-3			72-3(C)			122-2		
71-4(A)			72-3(D)			123-1(A)		
71-4(B)			72-3(E)			123-1(B)		
71-5(A)			72-3(F)			123-2		
71-5(B)			72-4(A)			124-1		
72-1(A)			72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)			72-6			141-2		
72-1(D)						141-5		

Y=Acceptable (Study satisfied Guideline)/Concur

P=Partial (Study partially fulfilled Guideline but additional information is needed)

S=Supplemental (Study provided useful information but Guideline was not satisfied)

N=Unacceptable (Study was rejected)/Nonconcur



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

MAR 29 1994

MEMORANDUM

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Review of Additional Information for Bromacil

TO: Linda Propst
Special Review and Reregistration Division
7508W

FROM: *fm* Anthony F. Maciorowski, Chief
Ecological Effects Branch
7507C

Joseph J. Liban 3/29/94

The Ecological Effects Branch has reviewed the additional information provided by DuPont to upgrade the plant studies submitted to support reregistration of Bromacil. The following studies were submitted:

Heldreth, K.M., 1993. Impact of an Acetone Control on Seed Germination of Several Terrestrial Plant Species (AMR 2624-93).

Heldreth, K.M., 1993. Impact of an Acetone Control on Seedling Emergence and Elongation of Several Terrestrial Plant Species (AMR 2688-93).

Heldreth, K.M., 1993. Impact of an Acetone Control on Vegetative Vigor of Several Terrestrial Plant Species (AMR 2720-93).

The studies cannot be accepted as supplemental information for upgrading the plant studies because of the following:

- a. The concentration of acetone used is not known. It is only known that is in a proportion of 15:1.
- b. The percent germination of the seed lot was not reported; neither the historical germination data from the lab.



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In the correspondence, DuPont points out several rejection factors of plant studies and discusses its position in relation to them. The EEB will not address those points at this time. Those points are addressed in the EPA response to NACA's Study Rejection Document about non-target plant studies.

Additional information to upgrade the plant studies is needed. The information needed is specified above.

If you have questions regarding this review, please contact Mike Davy at 305-7081.