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

APR 1 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

Subject: Fenbuconazole Review Studies

From: Anthony F. Maciorowski, Chief
Ecological Effects Branch
Environmental Fate and Effects Division

To: Cynthia Giles-Parker, Product Manager 22
Registration Division

The following studies (D170220, D166375) were reviewed by EEB for the registration of the new chemical Fenbuconazole (RH7592). These studies reflect laboratory derived toxicity values which provide support for the registration of RH7592.

Data Requirements	Test	Bibliographic	Validation	Results
71-4 Avian Reproduction-Bobwhite -Mallard	96.7% a.i. 96.7% a.i.	418750-05 418750-06	Core Core	NOEC=150 ppm NOEC=150 ppm
72-4 Freshwater Fish Early Life Stage- Fathead Minnow Fathead Minnow	96.7% a.i. 96.7% a.i.	418750-08 420410-01	Supplemental Core	LOEC=0.28 mg/L MATC >0.082 & <0.16 mg/L
72-4 Freshwater Invertebrate Life Cycle- <u>Daphnia magna</u>	96.7% a.i.	418750-07	Supplemental	MATC >0.078 & <0.15 mg/L geometric MATC=0.11 mg/L
123-2 Growth & Reproduction of Aquatic Plants-Tier 2 <u>Selenastrum capricornutum</u>	96.7% a.i.	418750-09	Supplemental	EC ₅₀ =0.41 mg/L

If you have any questions concerning the above, please feel free to contact Regina Hirsch (305-5366).



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