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Mobay Corporation
A Bayer USA INC. COMPANY

Agricultural Chemicals Division

Mr. Robert Taylor
Product Manager (25)
Environmental Protection Agency
Registration Division (H7505C)
401 M Street, Southwest
Waterside Mall
Washington, D.C. 20460

P O Box 4913
Hawthorn Road
Kansas City, MO 64120-0013
Cable: Kemagro Kansas City
Telephone: 816/242-2000

April 30, 1990

Subject: DEF Technical, EPA Reg. No. 3125-96
Interim Results from a Chronic Study
Reportable under FIFRA 6(a)(2)

Dear Mr. Taylor:

Upon micropathologic examination of a 12-month interim satellite group of a chronic rat study on DEF (10 or 20/sex/dose level; dose levels: 0, 4, 40 and 320 ppm), an apparent treatment-related incidence of retinal degeneration was observed in all animals of both sexes in the high dose group only. There is no evidence of this effect occurring in the mid- or low-dosage group animals.

This effect is known to be produced by some organophosphate ester compounds, but this marks the first time such a finding has been associated with DEF. These interim results are being brought to your attention at this time in order to comply with the requirements of FIFRA 6(a)(2). However, please recognize that these data are considered preliminary at this time and will only be fully defined upon completion of the study.

Yours very truly,

MOBAY CORPORATION
AGRICULTURAL CHEMICALS DIVISION

John S. Thornton
John S. Thornton, Manager
Registrations
Research and Development

JST:SBS:cd

cc: Ms. Lois Rossi, Branch Chief ✓
Environmental Protection Agency

Dr. Robert Zendzian
Environmental Protection Agency