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

SEP - 8 1989

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Trifluralin: Reply to the deferral of Non-Dietary Exposure
Branch / HED

Caswell No.: 889 HED Project No: N/A (deferral from
Non-Dietary Branch)

TO: ^{Jeanne} ~~William H. Miller~~, PM (23)
Insecticide / Rodenticide Branch / RD (H7505C)

FROM: Whang Phang, Ph.D. *Whang Phang 9/5/89*
Pharmacologist
HFAS / Toxicology Branch II / HED (H7509C)

THROUGH: K. Clark Swentzel, Acting Section *K. Clark Swentzel 9/5/89*
and
Marcia van Gemert, Ph.D. *Marcia van Gemert 9/6/89*
Branch Chief
HFAS / Toxicology Branch II / HED (H7509C)

Introduction

The Non-Dietary Exposure Branch (NDEB) deferred to HFAS / Toxicology Branch (Firestone, M.P. to Miller, W.H. Memorandum Aug. 31, 1989) to determine any "toxicological concern which could trigger the need for the registrant to develop a quantitative exposure assessment" in relationship to a proposed amended label for Treflan containing the active ingredient trifluralin which is to be used in the following sites:

Use sites include sewer pipes, concrete/asphalt cracks, burial vaults/tomb stones, waste burials sites, bike/golf cart paths, swimming pools, septic, tennis courts, sidewalks, landfills, gas pipes lines, roads, utility substations, irrigation systems, curbs, and building foundations.

Trifluralin was found to cause increases in the incidences of renal pelvic tumor and benign urinary bladder tumor in a feeding study with rats. The Toxicology Branch Peer Review Committee has evaluated the toxicology data of this compound and classified it as a Category C oncogen.

Discussion

The NDEB has concluded that the proposed use, plant root encroachment inhibition, in the above sites presents extremely limited exposure. Based upon this exposure assessment, the HFAS / Tox. Branch II can determine no toxicological concern at the present.