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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg.#524-308; Glyphosate; Monsanto response to questions regarding rat and rabbit teratology studies. (CASWELL#661A; Accession#244001)

FROM: William Dykstra, Toxicologist
Toxicology Branch, HED (TS-769)

WYD 1/16/81 DOC 1/15/81

TO: Robert Taylor (25)
Registration Division (TS-767)

WRT

Recommendations:

1) The Monsanto letter of December 18, 1980 together with the IRDC historical control data on rat and rabbit teratology studies adequately addresses the questions raised in the memo of June 17, 1980 from W. Dykstra to R. Taylor. Based on the new submitted information on these studies, the following conclusions are made:

Rat teratology: Severe maternal toxicity at 3500 mg/kg/day; negative for terata at 3500 mg/kg

NOEL for fetotoxicity at 1000 mg/kg/day

Rabbit teratology: Negative for teratogenicity at 350 mg/kg/day

Fetotoxic NOEL = 175 mg/kg/day

Mouse dominant lethal: negative at 2000 mg/kg

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