

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 11 1986

WASHINGTON, D.C. 20460

MEMORANDUM:

SUBJECT: Propazine; PP# 2F2618; Propazine in/on sorghum;
Revised Section F; Historical Control Data and Additional Data
Caswell No. 184
Project No. 908
Record No. 161286

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

TO: Robert Taylor
Product Manager (25)
Registration Division (TS-767)
and
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

THRU: Edwin Budd, Section Head
Review Section II
Toxicology Branch
Hazard Evaluation Division (TS-769)

*Budd
7/13/86*

FROM: William Dykstra
Toxicology Branch
Hazard Evaluation Division (TS-769)

*William Dykstra 7/2/86
11/16/86*

Requested Action:

Review request for proposed permanent tolerances for propazine on sorghum.

Conclusions and Recommendations:

1. A quantitative risk assessment for the proposed tolerances has not been completed.

However, in support of the proposed tolerances, the following data are needed:

- (a) Ames Assay and mammalian cell gene mutation assay.
- (b) Teratology - second species.
- (c) Chronic dog study.
- (d) Rat metabolism study.

2. In order to further evaluate the 2-year chronic oral toxicity study in rats with propazine (IRDC Study No. 382-007; 4/28/80), Toxicology Branch requests that historical control data of similar studies (i.e., same source of animals, same vehicle, etc.) from IRDC during the 1976-1986 time period be submitted on the following mammary gland tumors in female Charles River CD® rats:

approximate 5

papillary carcinomas
fibroadenoma
papillary adenoma
adenocarcinoma
ductular adenoma
cystadenoma

Review:

1. No new toxicity data have been submitted.
2. Section F: Proposed Tolerances.

Tolerances for residues of Propazine: 2-chloro-4,6-bis (isopropylamine)-s-triazine and its dealkylated metabolites determined as 2-amino-4-chloro-6-(isopropylamino)-s-triazine and 2,4-dimino-6-chloro-s-triazine in or on the following raw agricultural commodities are proposed:

1.0 ppm	Sorghum forage and fodder
0.02 ppm	Milk and eggs
0.05 ppm	Meat, fat and meat by-products of cattle, goats, hogs, horses, poultry and sheep, excluding kidney and liver
0.10 ppm	Liver and kidney of cattle, goats, hogs, horses, poultry, and sheep
0.25 ppm	Sorghum, grain