178376
RECORD NO.

109301
SHAUGHNESSY NO.

REVIEW NO.

EEB REVIEW

DATE: IN 08/08/86 OUT 9-4-86

FILE OR REG. NO. 86-TS-13

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 07/30/86

DATE RECEIVED BY HED 08/08/86

RD REQUESTED COMPLETION DATE 08/25/86

EEB ESTIMATED COMPLETION DATE 08/20/86

RD ACTION CODE/TYPE OF REVIEW 510

TYPE PRODUCT(S): (I), D, H, F, N, R, S

DATA ACCESSION NO(S).

PRODUCT MANAGER NO. Austin (41)

PRODUCT NAME(S) Fenvalerate

COMPANY NAME Texas Department of Agriculture

SUBMISSION PURPOSE Review for Endangered Species Consideration (Section 18)

SHAUGHNESSY NO.	CHEMICAL & FORMULATION	% A.I.
109301	Fenvalurate	

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

SEP 4 1986

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Fenvalerate

FROM: Curtis E. Laird, Fishery Biologist Curtis E. Laird
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

THRU: Norman J. Cook, Head-Section 2 Norman J. Cook
Ecological Effects Branch
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THRU: Michael W. Slimak, Chief
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TO: Stanley Austin, Project Manager 41
Emergency Response Branch
Registration Division (TS-769-C)

The Ecological Effects Branch (EEB) has completed a review of the proposed emergency exemption of Pydrin 2.4 E.C. for control of sorghum midge in grain sorghum. Review was based upon the available data and the previously registered use of Fenvalerate on corn and peanuts. Corn is considered to be a major crop grown in the same geographical location in Texas as grain sorghum which is considered as a small crop. EEB concludes that the proposed exemption of fenvalerate for use on grain sorghum has potential for exposure of this product to the endangered Attwater's Greater Prairie Chicken because these birds utilize grain sorghum fields for feeding, cover, broodrearing etc., during the proposed application period. Based on the available data in EEB's files show the most sensitive avian species LC_{50} to be 5,502ppm whereas the maximum application rate of 0.6-lb a.i./A will result in a 140ppm concentration on short grasses. 1/20 the LC_{50} (5,502 ppm - 1/20) is 275ppm. Therefore, fenvalurate should not pose a hazard to the endangered Attwatwer's Greater Prairie Chicken.

The registrant should be reminded that the following data, as requested in October 25, 1985, Data-Call-In Notice for Fenvalurate are still required:

1. Freshwater invertebrate life cycle test (72-4);

2. Estuarine invertebrate life cycle test (72-4); and

3. Simulated and/or actual aquatic field study (72-7).