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

CASWELL FILE

002160

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

TO: Robert J. Taylor, PM #25
Registration Division (TS-767)

THRU: Robert B. Jaeger, Section Head RBJ 8/20/82
Review Section #1
Toxicology Branch/HED (TS-769)

SUBJECT: EPA Reg. No. 1471-109, Tebuthiuron; Repeat Rat Reproduction Study. CASWELL #366AA

Registrant: Elanco Products Company
A Division of Eli Lilly and Company
Indianapolis, IN 46285

The registrant has submitted additional information (letter, R.M. Hill, Elanco, 4/28/82) as requested by a previous reviewer (memo, M.L. Quaife, TB/HED, 2/23/82). This statistical information, based on my scientific judgement, provides for adequate interpretation of the rat reproduction study and completion of our review.

Conclusion:

Proper statistical evaluation of parental body weights and weanling litter weights has been made. No adverse effects were reported in this study except a lower rate of body weight gain during the pre-mating period in F_1 females at dietary levels of 200 and 400 ppm of tebuthiuron. Reproduction in animals under study was not affected.

Systemic toxicity NOEL $\geq$ 100 ppm
Reproductive NOEL > 400 ppm

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Classification: Core-Guideline

George W. Robinson 8/19/82
George W. Robinson, D.V.M.
Review Section #1
Toxicology Branch/HED (TS-769)

TS-769:ROBINSON:sll:X73710:8/19/82