

160 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: 16% Carbaryl Flea Collar for Dogs

DATE: JAN 30 1976

FROM: Toxicology Branch

TO: Mr. Frank Sanders

Registration #2724-ETG

Thuron Industries
12200 Denton Drive
Dallas, Texas 75234

Recommendations: Toxicology Branch recommends in favor of the registration of this collar.

Toxicology Branch previously objected to the registration of this collar (D. M. Reisa, 11-25-75) on the basis of an invalid cholinesterase study. In response, the registrant submitted the following study.

Cholinesterase Inhibition in Dogs

Group	# of animals	
	males	females
Controls	2	3
8.37% DDVP collars	2	3
16% carbaryl collar	4	6

Method Used: pH-Stat Method (titrimetric)

Samples Taken: -8, -6, -3, 0, 2, 4, 7, 16 days

Results: No detectable decrease in RBC or plasma cholinesterase was noted in this study.

Diana M. Reisa

Diana M. Reisa, Ph.D.
Toxicology Branch
Registration Division

CEP 1/30/76