

ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D. C. 20460

Date: April 21, 1972

Reply to  
Attn of:

Subject: Interim Tolerances on pesticides (memo of 4/7/72) - Carbaryl;  
1-Naphthyl-N-Methyl Carbamate in or on potatoes at 0.5 ppm.

To:  
Mr. Drew M. Baker, Chief  
Petitions Control Branch  
Pesticides Tolerances Division

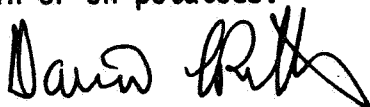
Carbaryl has been tested for teratogenic potential in recent years and the results of these tests have made it difficult to arrive at an estimate of human safety with respect to teratogenesis. It has been shown that the following species develop terata when given Carbaryl: Dog, some mouse species, Guinea Pig, and possibly sheep.

Terata were produced only at high doses, however.

Those species which do not develop terata are: Hamster, Rat, Rabbit, Gerbil, and some mouse species.

In order to resolve this question, petitioners were advised during a conference with EPA officials (6/2/71) that a new primate teratological study would be required before further tolerances could be considered. Dr. R. Engler of TB concurred (memo of 3/17/72). To date, this study has not been received in TB, and questions concerning the teratogenic potential of Carbaryl thus have not been resolved.

TB considers that this study, if satisfactory, will be pivotal in making a judgement concerning the safety of Carbaryl; therefore, we cannot find favorably for an interim tolerance of 0.5 ppm Carbaryl in or on potatoes.



David L. Ritter, Pharmacologist  
Toxicology Branch  
Pesticides Tolerances Division

cc: JGCummings  
PRD/EPA  
Atlanta Branch (CLewis)  
Perrine Branch  
Division Reading File  
Branch Reading File

DLRitter:dtb 4/21/72  
Init:CHWilliams *CHW*