

US EPA ARCHIVE DOCUMENT

3-15-72

*Cummins*  
*Brown*  
*Quicke*  
*W. H. H.*  
March 15, 1972

Request to amend FAR 121.1074 and 121.1075 Piperonyl Butoxide and Pyrethrins

*File 2H 2662*

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

The cited regulations allow the use of a three way combination using the two above pesticides with N-octylbicycloheptane dicarboximide. The requested amendmant asks that a change be made so the piperonyl butoxide and pyrethrins can be used to control insects in food-processing and food-storage areas without being combined with N-octylbicycloheptane dicarboximide.

The requested amendment would not alter use patterns nor result in established tolerances, 10 ppm piperonyl butoxide and 1 ppm pyrethrins being exceeded.

Toxicity data supporting the safety of the established tolerances is summarized in FAP 1455 memorandum 28 Sept. 1964. These data demonstrated no effects in long term rat feeding studies between 100 and 1000 ppm and in dogs 700 ppm. A 3-generation rat reproduction was negative for effects with 1000 ppm piperonyl butoxide plus 1/6 as much pyrethrins.

Conclusion

The available toxicity data support the safety of the requested amendment.

George E. Whitmore, D.V.M.  
Section Chief  
Toxicology Branch  
Pesticides Tolerances Division

cc: OGFitzhugh  
JSCummings ✓  
PRD/EPA  
Atlanta Branch (CLewis)  
Perrine Branch  
Division Reading File  
Branch Reading File

GEWhitmore:dtb 3/15/72  
Inft:CHWilliams

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