

US EPA ARCHIVE DOCUMENT



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

**MEMORANDUM**

**SUBJECT:** Chronic toxicity testing (rodent) for Phosmet

**FROM:** Lois A. Rossi, Chief  
Reregistration Branch  
Special Review and Reregistration Division

**TO:** Karl Baetcke, Chief  
Toxicology Branch I  
Health Effects Division

Stuart  
12/21/92

In toxicology's review of a combined chronic toxicity/oncogenicity study conducted with phosmet, the study was graded supplemental for the chronic toxicity portion because a NOEL was not obtained (HED # 9828, Greear, 11/18/92). According to the HED one-liners and the 1986 Registration Standard, the Agency has a rat chronic toxicity/oncogenicity study graded minimum for chronic toxicity, MRID 00076436.

The Standard concluded that the study, MRID 00076436, wasn't acceptable to evaluate phosmet's oncogenic potential and the study reviewed in November 1992 was required. The original study was inadequate in terms of the number of surviving animals available for gross and histopathological examination. Based on the limited data, however, the mid dose level, 40 ppm, was considered a NOEL for chronic effects and the highest dose tested, 400 ppm, may have been close to a MTD.

In order to clarify the status of this data requirement, please notify Brigid Lowery, Reregistration Branch, whether HED recommends submittal of another rodent chronic toxicity study.