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

JAN 11 1982

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

DATE: December 23, 1981

SUBJECT: Oryzalin, skin absorption by monkeys, proposed study protocol,
TB/HED comment on.

FROM: Mary L. Quaife, Ph.D. *MLQ, 12/23/81*
Toxicology Branch/HED (TS-769)

TO: Product Manager R. Taylor
Registration Division (TS-767)

THROUGH: Mr. R. B. Jaeger, Section Head
Toxicology Branch/HED (TS-769) *RBJ, 12/23/81*

THROUGH: Dr. O. E. Paynter, Chief
Toxicology Branch/HED (TS-769) *OP*

RD Rec. Numbers 55,464

Eli Lilly and Company
Indiana polis, Indiana

55,465
TB (Caswell) Number 623A

Action requested: Comment on adequacy of submitted protocol.

Conclusion: This reviewer judges the submitted protocol to be satisfactory with (1) one modification and (2) added material included in the report:

- 1) Please add, e.g., 5-day and 7-day, time-intervals for collection of urine and feces after oryzalin is placed on the monkey's skin, unless evidence is at hand to show that oryzalin excretion after dermal application is substantially complete by the end of four days.
- 2) Please include in study report, also, the following data:
 - a. Animal number, sex, weight, age, and dose-level.
 - b. Total radioactivity in each sample as per cent of total applied dose.
 - c. Raw data, including sample weight or volume; total weight or volume of specimen (estimated, for blood); counts per minute; background count; counting efficiency; and disintegrations per minute.

Discussion: Proposed protocol follows closely that of Wester and Maibach (TAP 32, 394 (1975)). Data requested under "2," above, are included by EPA-er G. Z. Ghali, Ph.D., in his protocol for Dermal Uptake of Pesticides, July, 1981.