Monsanto

FROM (NAME & LOCATION) William H. Hunt - Medical

DATE April 29, 1970 CC:

SUBJECT Aroclors - 3 Generation Rat Reproduction and Fish Toxicity

REFERENCE

TO R.E. Kelly, M.D./E.P. Wheeler

A visit to Industrial Bio-Test Laboratories, Inc., April 28, 1970 revealed the following progress to date of this study:

The first litters of F_1A were OK for 1242. However, the females for F_2B (second time around) failed to become pregnant at the 100 ppm level. The other two levels were OK. Only 1 female had pups which are now 12 days old. As a matter of fact only 2 or 3 of the 16 females are pregnant and they haven't delivered as yet. It is planned to remate these females for 1 week to see what will develop.

(never mated)

Top two levels

(100 ppm level)

Regarding the fish toxicity studies (catfish and bluegills) the time scheduled will be 2 to 3 weeks behind because doses which were believed to be OK produced 100% kill.

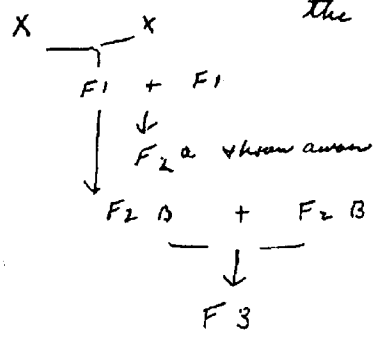
At levels of 1 to 10 ppm for both 1242 and 1254, for 50 fish per level, all died.

For 1260 at levels of 10 and 100 ppm there were a few survivors at 10 but all were dead at 100 ppm.

1254 - The F_0 2nd litter at 100 ppm had poor survival and poor mating necessitating a 3rd mating. The survival from the 3rd mating was low but sufficient to fill the groups. The F_1 parents are now mating to produce F_2A. The 10 and 1 ppm levels are OK.

William H. Hunt, Ph.D.

1260 - There are no problems at the 1, 10, and 100 ppm levels. The F_1 are mating to produce the F_2B litters.



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