

US EPA ARCHIVE DOCUMENT

ILMS0030

DATA EVALUATION RECORD

PAGE 1 OF 5003462

CASE GS0014

ENDCSULFAN

EM 110 08/12/79

CHEM 079401

Endosulfan (hexachlorcyclohexane)

FRANCH EEB DISC 35 TOPIC 05251042

FORMULATION CC - ACTIVE INGREDIENT

FICPE/MASTER ID 05003462

CONTENT CAT C1

Hudson, R.H.; Tucker, R.K.; Haegele, J.A. (1972) Effect of age on sensitivity: acute oral toxicity of 14 pesticides to mallard ducks of several ages. Toxicology and Applied Pharmacology 22(4):556-561.

SUBST. CLASS = S.

OTHER SUBJECT DESCRIPTORS

EPIM: EEB -40-05050542

DIRECT RVR TIME =


(MH)

START-DATE 5/6/80

END DATE 5/6/80

REVIEWED BY: Robert K. Hitch
TITLE: Fish and Wildlife Biologist
CRG: EEB, HED
LCC/TEL: 703-557-0320

SIGNATURE:



DATE: 5/6/80

APPROVED BY:

TITLE:
CRG:
LCC/TEL:

SIGNATURE:

DATE:

11111
02038
or
5003462

Data Evaluation Record

1. Chemical: Endosulfan
2. Formulation: 96% a.i. (Not specified as to Brand Name or formulator).
3. Citation:

Hudson, R.H.; Tucker, R.K.; Haegele, M.A. 1972.
Effect of age on sensitivity: acute oral toxicity of 14 pesticides to mallard ducks of several ages. Toxicology and Applied Pharmacology 22(4): 556-561.

4. Reviewed by:

R. K. Hitch
Fish and Wildlife Biologist
EEB/HED

5. Date Reviewed:

5/6/1980

6. Test Type:

Avian acute oral -
effect of bird age
on sensitivity to pesticides.

7. Reported results:

Age of Birds

Oral LD₅₀ (mg/kg)

36 ± 3 Hrs

27.8 (22.8-33.8)

7 ± 1 Days

6.47 (5.19-8.05)

30 ± 3 Days

7.89 (5.77-10.8)

6 Mo. ± 3 Days

34.4 (26.1-45.3)

→ use this
- birds must be at least 16 weeks old

8. Conclusions (Reviewer's)

PRESENTLY DOES NOT meet Guidelines requirement. Supplemental study
The test with six month old birds might meet minimum data requirements for an avian acute oral if the dose-response data could be obtained.

Study
- JB
7/30/81