

ILMS0030

DATA EVALUATION RECEIVED

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CASE GS0014

ENDCSULFAN

EM 110 08/12/79

CHEM 079401

Endosulfan (hexachlorocyclohexadiene)

FRANCH EEB DISC 35 TOPIC 05251042

FORMULATION CC - ACTIVE INGREDIENT

FICFE/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 DESCRIPTIONS

EPIM: EEB -40-05050542

DIRECT RVM 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:

Robert K. Hitch

DATE: 5/6/80

APPROVED BY:

TITLE:

CRG:

LCC/TEL:

SIGNATURE:

DATE:

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

36 $\pm$ 3 Hrs

7 $\pm$ 1 Days

30 $\pm$ 3 Days

6 Mo. $\pm$ 3 Days

Oral LD₅₀ (mg/kg)

27.8 (22.8-33.8)

6.47 (5.19-8.05)

7.89 (5.77-10.8)

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