

US EPA ARCHIVE DOCUMENT

11-5-80

MULTIPLE

TDMS0030

DATA EVALUATION RECORD

PAGE 1 OF 2

CASE GS0014

ENDOSULFAN A - (11/21/79)

PM 110 ~~12/26/79~~

CHEM 079401

Endosulfan (hexachlorohexahydromethano)

BRANCH EEB DISC 40 TOPIC 05050025

FORMULATION 00 - ACTIVE INGREDIENT

FICHE/MASTER ID 05013358

CONTENT CAT 01

Tasei, J.N.; Capou, J.; Michaud, D. (1977) Action De Quelques Insecticides Sur Une Abeille Solitaire: Megachile Pacifica Panz. (Hymenoptera, Megachilidae). [Effect of Some Pesticides on a Solitary Bee: Megachile Pacifica Panz. (Hymenoptera, Megachilidae).] Apidologie 8(2):111-127.

SUBST. CLASS = S.

OTHER SUBJECT DESCRIPTORS

SEC: EEB -35-05255525

EEB -35-05259025

DIRECT RVW TIME = 2 Hrs. (MH) START-DATE 10/22/80 END DATE 10/22/80

REVIEWED BY: Allen W. Vaughan

TITLE: Entomologist

ORG: EEB/HED

LOC/TEL: Crystal Mall #2/557-0268

SIGNATURE: *Allen W. Vaughan*

DATE: 11/5/80

APPROVED BY:

TITLE:

ORG:

LOC/TEL:

SIGNATURE:

DATE:

/

CONCLUSIONS: This study is scientifically sound.

METHODS AND MATERIALS:

Test Type - Toxicity to pollinator

Test Species - Alfalfa leafcutter bee, (Megachile pacifica)

Test Procedure - Due to number and variety of testing methods discussed in this study, details will not be provided here.

REPORTED RESULTS:

Based on results of a number of tests, some of which were not discussed in this study, the authors concluded the following:

Pirimicarb is harmless to the bee through all routes of exposure tested.

Oxydemeton-methyl has "harmless" residues; spraying causes slight losses, on the average.

Phosalone is relatively hazardous according to lab. tests; field test did not illustrate this hazard.

Trichlorfon hazard to bees is highly variable.

Dialifor and endosulfan are very toxic under all test conditions.

DISCUSSION:

- A. Test Procedure - Procedure is sound.
- B. Satistical Analysis - None reported.
- C. Discussion/Results - This study is scientifically sound.