

CASE GS0140

ALDICARB

PM 300 09/29/82

CHEM 098301

Aldicarb (2-methyl-2-(methylthio)propi

BRANCH EEB DISC 45 TOPIC 05103545

FORMULATION 04 - GRANULAR

FICHE/MASTER ID 00060628

CONTENT CAT 01

Johansen, C.A.; Eves, J. (1965) Bee Poisoning Investigations, 1965: Report No. G-1705; Report No. 17338. (Unpublished study, including letter dated Jun 12, 1973 from C.A. Johansen to A.D. Co-hick, received Mar 27, 1974 under 4F1485; prepared by Washington State Univ., Dept. of Entomology, submitted by Chemagro Corp., Kansas City, Mo.; CDL:092011-I)

SUBST. CLASS = S.

DIRECT RVW TIME = (MH) START-DATE 8/29/83 END DATE 8/29/83

REVIEWED BY: Allen W. Vaughan

TITLE: Entomologist

ORG: EEB/HED

LOC/TEL: Crystal Mall 2 / 557-7600

SIGNATURE: *Allen W. Vaughan*

DATE: 9/13/83

APPROVED BY:

TITLE:

ORG:

LOC/TEL:

SIGNATURE:

DATE:

1. CHEMICAL: aldicarb (UC 21149)
2. FORMULATION: 10% granular
3. CITATION: Johansen, C.A.; Eves, J. (1965) Bee Poisoning Investigations, 1965: Report No. G-1705; Report No. 17338. (unpublished study, including letter dated June 12, 1973 from C.A. Johansen to A.D. Cohick received March 27, 1974 under 4F1485; prepared by Washington State Univ. Dept. of Entomology, submitted by Chemagro Corp., Kansas City, Mo.; CDL: 092011-I) Fiche/Master ID 00060628
4. REVIEWER: Allen W. Vaughan
Entomologist
EEB/HED
5. DATE REVIEWED: August 29, 1983
6. TYPE TYPE: Toxicity to insect predators and parasites

TEST SPECIES: Lady beetle
Big-eyed bug
Pirate bug
Lacewing
7. REPORTED RESULTS: Aldicarb at 7.5 lb a.i./acre reduced predator populations in general; pirate bugs were able to increase about 2 weeks after treatment. All aldicarb dosages reduced big-eyed bugs
8. REVIEWER'S CONCLUSIONS: This study is scientifically sound, and shows that application of granular aldicarb to alfalfa may reduce insect predator populations on a short-term basis.

Materials and MethodsTest Procedure

Granular insecticide formulations were applied by airplane to small plots of seed alfalfa. Numbers of several predator species were sampled using a sweep net, at various times before and after treatment.

Statistical Analysis

None reported.

Discussion/Results

See "Reported Results," above.

Reviewer's EvaluationA. Test Procedures

Procedures were sound.

B. Statistical Analysis

None reported.

C. Discussion/Results

This study is scientifically sound.