

4-6-98

DP Barcode: D238406

MAID No.: 443074-28

**DATA EVALUATION RECORD**  
**ACUTE CONTACT TOXICITY TEST WITH THE HONEY BEE**  
**S 141-1**

1. CHEMICAL: SAN836H (Diflufenzopyr) PC Code No.: 005107

2. TEST MATERIAL: San 836H Purity: 99.47%

3. CITATION

Authors: Collins, Maura K

Title: Acute Contact Toxicity With Honey Bees (*Apis mellifera*)  
Under Static Conditions

Study Completion Date: September 30, 1995

Laboratory: Springborn Laboratories, Inc.

Sponsor: Sandoz Agro, Inc.

Laboratory Report ID: 95-12-6251

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4. REVIEWED BY: Fred Jenkins, Aquatic Biologist, ERBII, EFED

Signature: 

Date: 4/6/98

5. APPROVED BY: Mike Davy, Agronomist, ERBII, EFED

Signature: 

Date: 4-6-98

6. STUDY PARAMETERS

Test Species: *Apis mellifera*

Age of Test Organisms at Test Initiation: 5-10 days

Exposure Duration: 48 hours

7. CONCLUSIONS: LD<sub>50</sub> > 25 ug ai/bee

Toxicity category: Non Toxic

Slope of Response: N/A

NOEL: 25 ug ai/bee

8. ADEQUACY OF THE STUDY

A. Classification: Core

B. Rationale: The study meets the guideline criteria.

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C. Repairability: N/A

9. GUIDELINE DEVIATIONS: N/A

10. SUBMISSION PURPOSE: Section 3 Registration

**11. MATERIALS AND METHODS****A. Test Organisms**

Guideline Criteria	Reported Information
Species	Honey Bee ( <i>Apis mellifera</i> L.)
Age at beginning of test Worker bees of uniform age.	Yes
Source	Apiary Services, Inc.
Were bees from disease-free colonies?	Yes
Were bees kept in conditions conforming to proper cultural practices?	Yes

**B. Test System**

Guideline Criteria	Reported Information
Test Chambers	Size: 12.7 x 12.7 x 12.7 cm. Material: Constructed from PCV sheet and is covered with a polyester mesh.
Temperature during exposure	Mean: 32°C Range: 29 to 32°C
Relative humidity during exposure	Mean: 82% Range: 82 to 88%
Lighting	Total Darkness
Feeding	Bees were fed a fresh mixture of 50% sucrose solution and distilled water daily.

## C. Test Design

Guideline Criteria	Reported Information
Nominal dosage levels tested	25 ug ai/bee
Number of bees exposed per dosage level	There was one treatment level with 12 bees/replicate. The number of replicates was not reported.
Other experimental design information	12 bees/replicate chamber
Bees randomly or impartially assigned to test groups	Yes
Control	Yes
Solvent control	Dimelthylformide
Total observation period and frequency of interim observations	48 hours

## 12. REPORTED RESULTS

Guideline Criteria	Reported Information
Quality assurance and GLP compliance statements were included in the report?	Yes
Observed adverse effects on bees at respective dosages	None
Control and Solvent Control Mortality	0 %
Were raw data included?	Yes