File No. 128850

DATA EVALUATION RECORD

1. CHEMICAL: Monoammonium-2-amino-4-(hydroxymethyl phosphinyl) butanate

2. FORMULATION: (HOE 39866) technical; 95.3% a.i.

3. CITATION: Ebert and Weigand. 1983. Testing for acute oral toxicity in male and female bobwhite quail (Colinus virginianus with HOE 39866. Prepared by Hoechst AG, Frankfurt, FRG; submitted by American Hoechst Corp., Somerville, NJ; Registration No. 8340-EUP-RN; Accession No. 072967

4. REVIEWED BY: John J. Bascietto
Wildlife Biologist
Ecological Effects Branch/HED

5. DATE REVIEWED: November 26, 1984

6. TEST TYPE: Avian acute oral LD_{50}

A. Bobwhite quail, Colinus virginianus

7. REPORTED RESULTS: 14-day LD_{50} > 2000 mg/kg

8. REVIEWER'S CONCLUSIONS: The study is scientifically sound and with a 14-day LD_{50} > 2000 mg/kg, monoammonium-2-amino-4-(hydroxymethly phosphinyl) butanate, is considered "practically nontoxic" to bobwhite quail. The study fulfills the requirement of the Pesticide Assessment Guidelines, Subdivision E.

9. MATERIAL/METHODS:

A. Test Procedure:

The study was conducted in accordance with EPA Pesticide Assessment Guidelines, Subdivision E, § 71-1, October, 1982.

B. Statistical Analysis:

N/A

10. RESULTS:

Both the control and treatment birds apparently underwent dosing "stress" showing "passivity" and diarrhea as a result of dose administration. No signs of intoxication were otherwise observed (14 days). Bodyweight gain and food consumption of birds was normal throughout. There was no mortality at 0 mg/kg and 2000 mg/kg levels tested. No abnormal gross pathology findings.

11. REVIEWER'S EVALUATION:

A. Test Procedure:

The study was performed in complete agreement with protocol recommended by EEB, in the current guidelines.

B. Statistical Analysis:

No statistical analysis is necessary.

C. Results:

The results are derived from a scientifically sound test and indicate that the acute oral LD_{50} is greater than 2000 mg/kg. This suggests that the test substance, technical monoammonium-2-amino-4-(hydroxymethl phosphinyl) butanate, is "practically non-toxic" to bobwhite quail.

D. Conclusions:

1. Category: CORE

2. Rationale: Guidelines

3. Repair: N/A