

US EPA ARCHIVE DOCUMENT

DP Barcode: D249306

MRID No.: 443206-26

DATA EVALUATION RECORD
§ 71-1(A) - AVIAN SINGLE-DOSE LD₅₀ TEST

1. **CHEMICAL**: Glyphosate Acid PC Code No.: 417300

2. **TEST MATERIAL**: Glyphosate Acid
Purity: 95.6%

3. **CITATION**

Authors: Johnson, A.J.

Title: Acute Oral Toxicity LD50 to
 Bobwhite Quail

Study Completion Date: February 3, 1997

Laboratory: Huntingdon Life Science Ltd.

Sponsor: Zeneca Ag Products

Laboratory Report ID: ISN 400/963658

MRID No.: 443206-26

4. **REVIEWED BY**: Curtis E. Laird, Fishery Biologist, EEB, EFED

Signature:

Date:

5. **APPROVED BY**: Tom A. Bailey, Chief, EHB, EFED

Signature:

Date:

6. **STUDY PARAMETERS**

Scientific Name of Test Organism: *Colinus virginianus*

Test Organisms Age/Size: 16 - 24 weeks

Definitive Study Duration: 14 days

7. **CONCLUSIONS**: This study is scientifically sound and fulfill the guideline requirements in support of registration for an avian acute oral study. The LD50 is greater than 2000 mg/kg.

Results Synopsis

LD₅₀: >2,000 mg ai/kg

NOEL: 2,000 mg ai/kg

95% C.I.: N/A

Probit Slope: N/A

8. **ADEQUACY OF THE STUDY**

A. **Classification**: Core

Other Significant Results: There were no mortality, significant change in bodyweight or food consumption during the study.

Reported Statistical Results

Statistical Method: No statistics used due to lack of mortality.

LD₅₀: >2,000 mg/kg 95% C.I.: N/A mg/kg

NOEL: 2,000 mg/kg Probit Slope: N/A

13. Verification of Statistical Results

Statistical Method: No statistics due to lack of mortality

LD₅₀: >2,000 mg/kg 95% C.I.: N/A mg/kg

NOEL: 2,000 mg/kg Probit Slope: N/A

Adjusted for 100% active ingredient (optional if > 80% ai)

LD₅₀: N/A mg/kg ai 95% C.I.: N/A mg/kg

NOEL: N/A mg/kg ai

- 15. REVIEWER'S COMMENTS:** This study indicates glyphosate acid is practically nontoxic to bobwhite quail with an LD50 value greater than 2,000 mg/kg. This study does fulfill the guideline requirements in support of registration for a terrestrial avian acute oral LD50 study.