This study is sound and useful in a hazard assessment. It shows Coturnix LC₅₀ = 167 ppm for technical diazin and LC₅₀ = 101 ppm for A6500 (48% ai emulsifiable concentrate).
1. Chemical: Diazinon

2. Test Material: Technical grade and 48% ai emulsifiable concentrate (AG500).

3. Study Type: Dietary Toxicity to Japanese Quail (Coturnix japonica).


5. Reviewed by: Margaret Rostker
   Wildlife Biologist
   EEB/HED
   Signature: [Signature]
   Date: 5/4/67

6. Approved by: Harry Craven
   Supervisory Biologist
   EEB/HED
   Signature: [Signature]
   Date: 5/4/67

7. Conclusions:

   The study is scientifically sound and shows an LC50 = 167 ppm for technical material and an LC50 = 101 ppm for emulsifiable concentrate (AG500; 48% ai) when tested with Coturnix.

   The data do not fulfill guidelines because Coturnix is not a recommended test species. However, the study is sound and useful in hazard assessment.

8. Recommendations: N/A

9. Background: N/A

10. Discussion of Individual Test: Diazinon is discussed.
11. **Materials and Methods:**
   a. **Test Animals:** Incubator-hatched of *Coturnix* colony maintained at Patuxent. 14-day old chicks tested.
   b. **Dose:** Dietary.
   c. **Design:** Five dose levels/10 birds per level/5-day exposure.
   d. **Statistics:** Probit analysis.

12. **Reported Results:**
   
   Diazinon LC$_{50}$ = 167 ppm for technical grade and LC$_{50}$ = 101 ppm for emulsifiable concentrate (48% ai) for *Coturnix*.

13. **Study Author's Conclusions/QA Measures:**
   See reported results.

14. **Reviewer's Discussion and Interpretation of Study:**
   a. **Test Procedures:** Conducted in accordance with guidelines.
   b. **Statistical Analysis:** No additional work needed.
   c. **Discussion/Results:** See reported results. Diazinon is "very highly toxic" to birds.
   d. **Adequacy of Study:**
      1. **Classification:** Supplemental
      2. **Rationale:** Not recommended species; raw data not provided.
      3. **Repair:** N/A.