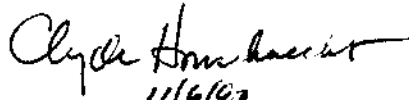



DATA EVALUATION RECORD

1. **CHEMICAL:** Pyrazon
Shaughnessey No. 069601
2. **TEST MATERIAL:** Pyrazon technical, 94.1% a.i.
3. **STUDY TYPE:** Avian Acute Oral LD50
Species used: Bobwhite Quail (Colinus virginianus)
4. **STUDY ID:** Munk, R. 1990. Avian single-dose oral LD-50 of Reg. No. 13 033 - 95% (pyrazon) to the bobwhite quail (Colinus virginianus). Conducted by BASF Aktiengesellschaft, Republic of Germany for BASF Corporation, Research Triangle Park, NC. EPA MIRD No. 416098-02.
5. **REVIEWED BY:**

Clyde R. Houseknecht
Wildlife Biologist
EEB/EFED

Signature: 
Date: 11/6/98
6. **APPROVED BY:**

Henry T. Craven, Head
Review Section #4
EEB/EFED

Signature: 
Date: 11/6/98
7. **CONCLUSIONS:** The study is scientifically sound and fulfills the guideline requirements. The acute oral LD50 of pyrazon technical was determined to be greater than 2,000 mg/kg body weight therefore, pyrazon is considered to be practically nontoxic to upland game birds..
8. **RECOMMENDATIONS:** N/A

9. BACKGROUND: N/A
10. DISCUSSION OF INDIVIDUAL TESTS: N/A
11. MATERIALS AND METHODS:

A. Test Animals: Juvenile bobwhite quail about five months of age were procured from Herbert Kuberich Quail Breeding, Wiesentheid, Federal Republic of Germany. Birds were adapted to the test cages for one week prior to the test.

B. Test System: "The birds were weighed about one week prior to the beginning of the test and were allocated to the test groups by a randomization plan on the basis of their body weights prepared by following a standard laboratory method". During adaptation and the test period the room temperature was "generally" about 20 ± 1 ° C. Photoperiod was 12 hours of light and 12 hours of darkness. Birds were medicated with Tiamutin^R in the drinking water for three consecutive days prior to the test. With exception of a fasting period of 15 to 20 hours immediately before the test, birds were fed and watered ad lib.

The test substance was administered by gavage into the crop.

C. Dosage: A range finding test showed no mortality or severe illness at 2,000 mg/kg thus, only two treatment levels were used in the definitive test; 1,000 and 2,000 mg/kg.

D. Design: Single-dose Avian LD50 study.

E. Statistics: Body weight on days 0 and 14 was analyzed using one-way analysis of variance followed by Dunnett's test. Because only one bird died in the highest treatment level, there was no need for statistical evaluation of the LD50 data.

12. REPORTED RESULTS:

One male bird in the highest dosage group died on the first day of treatment. The LD50 for pyrazon exceeds 2,000 mg/kg. There was no significant difference in the body weights of the treatment birds as compared to the control birds.

13. STUDY AUTHOR'S CONCLUSION/QUALITY ASSURANCE MEASURES:

The Head of the section for acute and subchronic toxicology and the study director certify that the study was conducted in accordance with good laboratory practice.

14. REVIEWER'S DISCUSSION AND INTERPRETATION OF STUDY RESULTS:

A. Test Procedures: The procedures utilized in this study were in compliance with the EPA's Standard Evaluation Procedure (SEP) for the Avian Single-dose Oral LD50 test.

B. Statistical Analysis: Because only one bird died (in the highest treatment level), no statistical analysis of mortality was required. Given the similarity of mean weight values, large standard variations of these values, and small sample sizes, no reanalysis was required.

C. Discussion/Results: N/A

D. Adequacy of the Study:

(1) **Classification:** Core

(2) **Rationale:** N/A

(3) **Repairability:** N/A

15. **COMPLETION OF ONE-LINER:** Yes, October 29, 1990.

Shaughnessy No. 069601

Chemical Name LYRIZON

Chemical Class _____

Page 1 of 1

Study/Species/Lab/
Access # _____
Chemical
a.i. _____

14-Day Single Dose Oral LD50,

Species: BOBWHITE QUAIL

Lab.: BASF

Acc. #: 416098-02

94.1

Results	Reviewer/ Date	Validation Status
LD50 > ²⁰⁰⁰ mg/kg (<u>95% C.L.</u>) Slope= _____ # Animals/Level= <u>10</u> Age (Days)= <u>150</u> Sex = <u>♂+♀</u> 14-Day Dose Level mg/kg/(% Mortality) <u>1000 (0), 2000 (10), - (-), - (-), - (-)</u>	<u>CRH</u> <u>10/29/90</u>	<u>CEE</u>

Comments: _____

14-Day Single Dose Oral LD50,

Species: _____

Lab.: _____

Acc. #: _____

LD50 = mg/kg (<u>95% C.L.</u>) Slope= _____ # Animals/Level= _____ Age (Days)= _____ Sex = _____ 14-Day Dose Level mg/kg/(% Mortality) (), (), (), (), ()		
--	--	--

Comments: _____

8-Day Dietary LC50,

Species: _____

Lab.: _____

Acc. #: _____

LCS0 = ppm (<u>95% C.L.</u>) Slope= _____ # Animals/Level= _____ Age (Days)= _____ Sex = _____ 8-Day Dose Level ppm/(% Mortality) (), (), (), (), ()		
---	--	--

Comments: _____

8-Day Dietary LC50,

Species: _____

Lab.: _____

Acc. #: _____

LCS0 = ppm (<u>95% C.L.</u>) Slope= _____ # Animals/Level= _____ Age (Days)= _____ Sex = _____ 8-Day Dose Level ppm/(% Mortality) (), (), (), (), ()		
---	--	--

Comments: _____

96-hour LC50,

Species: _____

Lab.: _____

Acc. #: _____

LCS0 = pp (<u>95% C.L.</u>) Slope= _____ # Animals/Level= _____ Sol. Contr. Mort. (%) = _____ Temperature = _____ 96-Hour Dose Level pp/(% Mortality) (), (), (), (), ()		
---	--	--

Comments: _____

96-hour LC50,

Species: _____

Lab.: _____

Acc. #: _____

LCS0 = PP (<u>95% C.L.</u>) Slope= _____ # Animals/Level= _____ Con. Mor (%) = _____ Sol. Con. Mort. (%) = _____ Temp. = _____ 96-Hour Dose Level pp/(% Mortality) (), (), (), (), ()		
---	--	--

Comments: _____

48-hour Invertebrate,

Species: _____

Lab.: _____

Acc. #: _____

LCS0 = PP (<u>95% C.L.</u>) Slope= _____ # Animals/Level= _____ Sol. Con. Mort. (%) = _____ Temp. = _____ 96-Hour Dose Level pp/(% Mortality) (), (), (), (), ()		
---	--	--

Comments: _____

PAGES 8.5 THROUGH 8.8 HAVE BEEN REMOVED FROM THIS DOCUMENT. THOSE PAGES
CONSIST OF REGISTRANT-SUBMITTED DATA.