

US EPA ARCHIVE DOCUMENT

UNDATED

DATA REVIEW NUMBER: ES-VII-W

TEST: Reproduction study on bobwhite quail.

SPECIES: Bobwhite quail (*Colinus virginianus*)

RESULTS Based on active ingredient only, the treatment levels were 20 and 100 ppm. No statistically significant deleterious effects were determined by Hazleton Laboratories.

Reviewer: Bob Hitch

CHEMICAL: RH - 2915 (71.40%)

TITLE: RH - 2915: One - Generation Reproduction.

Study in Bobwhite Quail - Final Report.

ACCESSION NO. 097424

STUDY DATE: August 18, 1978 (Date of in-house Rohm and Haas Cover Memo)

RESEARCHER: Hazleton Laboratories; V.J. Piccirillo

REGISTRANT: Rohm and Haas

VALIDATION CATEGORY: Invalid

CATEGORY REPAIRABILITY: Before this study can be reviewed in full, individual pen data must be submitted for: 1. body weight, 2. food consumption, 3. eggs laid, 4. eggs cracked, 5. eggs set, 6. Fertility, 7. Live 3-week embryos, 8. Hatchability, 9. Normal chicks, 10. 14 day old survivors per number of eggs hatched and per hen and 11. eggshell thickness.

(1)

Deviations from Requirements Stated
in June 25, 1975 Guidelines

1. The vehicle (The 1975 guidelines recommend corn oil or other appropriate vehicle) was not identified.
2. The average temperature was said to be 68°F but temperature ranges where the pens were located were not submitted.
3. Body weights of the birds were recorded at 0, 4, 8 weeks and at termination of the study rather than the 0, 2, 4, 6, and 8 week plus termination intervals suggested in the guidelines.
4. The light intensity at "bird level" in the test environment was not stated.

Assignment of test birds was as follows:

| <u>Group No.</u> | <u>No. of Birds</u> | | <u>No. of Birds/Pen</u> | | <u>Dietary Levels</u> |
|------------------|---------------------|---------------|-------------------------|---------------|-----------------------|
| | <u>Male</u> | <u>Female</u> | <u>Male</u> | <u>Female</u> | |
| 1 | 12 | 24 | 1 | 2 | Basal Diet only |
| 2 | 12 | 24 | 1 | 2 | 20 ppm RH-2915 |
| 3 | 12 | 24 | 1 | 2 | 100 ppm RH-2915 |

This assignment complies with the June 25, 1975 Guidelines.