00139518

DATA EVALUATION RECORD

1. Chemical: Brodifacoum

2. Formulation: Volak 50 ppm (graphite) 3/16" pellets

3. Citation: Kaukeinen, D. and R. Byers Volak: Potential Hazard of the 50 ppm Black Pellet Broadcast at Three Rates as Indicated by Penned Ring-necked Pheasants. Test #24VA79-045 (1979) Acc# 250077.

4. Review by: Russel Farringer
Wildlife Biologist
EEB/HED

5. Date Reviewed: 7/28/83

6. Test Type: Primary hazard field study
Test species: Ring-necked pheasant

7. Reported Results: The results suggest that still further modifications should be studied with the VOLAK pellet to possibly reduce pheasant palatibility and mortality.

8. Reviewer's Conclusions: This reviewer agrees with the results stated above.

Materials/Methods

Test Procedure

Wire pens 8 X 64 ft (512 sq. ft.) were used. Pens were surrounded by metal flashing around the bottom edge extending into the ground 6 inches and above the ground 18 inches.

Three pens of 512 sq. ft. were used for each level plus controls for a total of 12 pens. This allowed testing of control, 1X, 5X, and 25X (0, 10, 20, 100 lb/A VOLAK).

Each pen contained a water supply, a shelter and was stocked wth 1 male and 5 female pheasants.

The pens were placed side by side with tarpaper between the pens to avoid visual contact between groups of birds.

Birds were fed pre-formulated rations called "Starting and Growing (Z-1) Medicated and Game Bird Starter and Grower Medicated." Both contained a Vitamin K complex which is the antidote to this toxicant.

Results

Due to unexplained handling, fighting, and control mortality the results suggest that further modifications should be studied with the VOLAK pellet to possibly reduce pheasant palatability and mortality.

Reviewer's Conclusion

Category: Invalid

Rationale: Due to the multiplicity of mortality, this study cannot be considered useful to support the orchard use of brodifacoum.

Repairability: None