

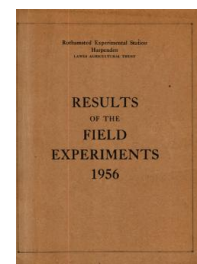
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56/R/CA/2 Winter Wheat - Control of Bulb Fly (Insecticides)

Rothamsted Research

Rothamsted Research (1957) *56/R/CA/2 Winter Wheat - Control of Bulb Fly (Insecticides)* ; Yields Of The Field Experiments 1956, pp 72 - 72 - DOI: <https://doi.org/10.23637/ERADOC-1-176>

56/Ga/2

WINTER WHEAT

Control of wheat bulb fly by insecticides - Pennell's Piece 1956.

Design: 5 randomized blocks of 6 plots each.

Area of each plot: 0.00643 acres. Area harvested: 0.00621 acres.

Treatments: Insecticides:-

- None (2 plots per block). (0)
- 4% Dieldrin dust at 1 cwt per acre combine drilled with seed. (1)
- 4% Dieldrin dust at 1 cwt per acre broadcast on surface. (2)
- Sprayed early with Parathion 0.1% v/v at 100 gallons per acre. (3)
- Sprayed late with Parathion 0.1% v/v at 100 gallons per acre. (4)

Basal dressing: 3 cwt 'Nitro-Chalk' per acre.

Note: all seed dressed with organo-mercurial fungicide.

Cultivations, etc.:

Ploughed: Sept 5, 1955. Seed drilled at 2 bushels per acre: Nov 1.
 Dieldrin dust broadcast: Feb 16, 1956. Sprayed with Parathion:
 '3' plots - Mar 8, '4' plots - Apr 12. 'Nitro-Chalk' applied:
 Apr 30. Combine harvested: Sept 4. Variety: Cappelle. Previous
 crop: Bare fallow.

Standard error per plot:

Grain (at 85% dry matter): 4.29 cwt per acre or 9.2% (21 d.f.)

Counts of numbers of plants, tillers, damaged tillers and of wheat bulb fly larvae were made.

Summary of Results

Grain (at 85% dry matter): cwt per acre

	0	Insecticides				Mean
		1	2	3	4	
Mean (± 1.92)	43.9 ⁽¹⁾	47.3	52.5	46.1	47.2	46.8
Increase (± 2.35)		3.4	8.6	2.2	3.3	
(1) ± 1.36						

Mean dry matter % as harvested: 69.8.