

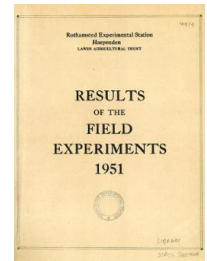
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51/CA/2 Wheat - Control Wireworm 1 - Rothamsted

Rothamsted Research

Rothamsted Research (1952) *51/CA/2 Wheat - Control Wireworm 1 - Rothamsted* ; Yields Of The Field Experiments 1951, pp 61 - 62 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Ca/2.1

WHEAT

Wireworm Experiment 1

Residual and direct effects of insecticides- Little Hoos 1951

System of replication: 3 randomized blocks of 9 plots each.

Area of each plot: 0.0289 acre.

Treatments:

None from 1948 onwards (duplicate plots).

Applied 1948. D.D. injected, 400 lb per acre; Ethylene dibromide 41% solution, injected, 15 gallons per acre; D.D.T. dust combine drilled, $\frac{3}{4}$ cwt per acre; Gammexane broadcast, 2 cwt per acre; Gammexane combine drilled, $\frac{3}{4}$ cwt per acre.

Applied 1951. Chlordane, 100 lb (5%); Gammexane, 56 lb per acre, both combine drilled.

Basal manuring per acre: 2 cwt superphosphate; 1 cwt sulphate of potash; $2\frac{1}{2}$ cwt sulphate of ammonia as top dressing.

Cultivations, etc: Ploughed: Sept 4. Basal phosphate and potash drilled: Oct 26. Seed combine drilled at 3 bushels per acre with insecticides: Oct 27. Sprayed with D.N.O.C.: May 15.

Basal sulphate of ammonia drilled: May 25. Harvested: Aug 23.

Variety: Nord Desprez. Previous crop: Wheat.

Standard error per plot:

Grain: 2.05 cwt per acre or 12.1% (17 d.f.)

Untreated from 1948 onwards	Treatments applied in 1948				Treatments applied in 1951		Mean
	D.D. In- jected	Ethylene Dibromide Injected	D.D.T. Dust Drilled	Broad- cast	Gammexane Drilled	Chlordane Gammexane Drilled	
14.7 ⁽¹⁾	15.6	15.5	20.3	17.2	16.5	18.2	17.0
Mean (±1.18)							
Increase (±1.45)	0.9	0.8	5.6	2.5	1.8	3.5	5.4
16.3	17.8	17.8	20.1	18.9	18.0	19.4	18.3
Mean							
Increase	1.5	1.5	3.8	2.6	1.7	3.1	4.3
1056	-	-	-	-	-	1072	1108
Mean							
Increase	-	-	-	-	-	16	192
12.6	-	-	-	-	-	12.5	13.1
Mean							
Increase	-	-	-	-	-	-0.1	2.2

Standard error (1) ± 0.84

Dashes indicate that no counts were taken.