

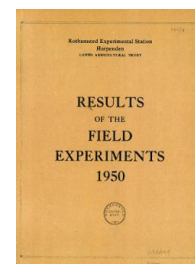
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## Yields of the Field Experiments 1950

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### 50/CA/4 Wheat - Wireworm 2 - Rothamsted

#### Rothamsted Research

Rothamsted Research (1951) *50/CA/4 Wheat - Wireworm 2 - Rothamsted* ; Yields Of The Field Experiments 1950, pp 60 - 61 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

50/Ca/4.1

WHEAT

Wireworm Experiment (2)

Residual effect of Gammexane - Little Hoos 1950.

System of replication: 3 incomplete randomized blocks of 6 plots each.

Area of each plot: 0.0269 acre.

Treatments 1948 and 1949: None, seed dusted with gammexane dressing in 1948 only, in 1949 only, and in 1948 and 1949. Gammexane dust  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1 cwt per acre in 1948, combine drilled with seed (filler added where necessary to make total dressing of 1 cwt per acre).

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

Cultivations, etc.: Ploughed: Oct 13-17. Springtined, seed and superphosphate drilled, harrowed in: Oct 31 - Nov 1. Harrowed: Mar 31. Rolled: Apr 3. Sulphate of ammonia applied: May 3. Sprayed with D.N.O.C.: May 11. Harvested: Aug 10. Variety: Squareheads Master 13/4. Previous crop: Wheat.

Standard errors per plot:

Grain: 2.55 cwt per acre or 22.0% (9 d.f.)

Straw: 3.91 cwt per acre or 21.1% (9 d.f.)

Note: Wireworm counts were made on all plots and are available.

Summary of Results

	Untreated		Dusted Seed		Gammexane dust cwt per acre		Mean Difference
	Un- treated	Dusted Seed	Un- treated	Dusted Seed	$\frac{1}{4}$	$\frac{1}{2}$	
1948							
1949							
	11.4	11.5	8.1	7.6	13.3	15.7	17.2
					(±1.88)		
Mean			9.7		15.4		11.6
					5.7(±1.28)		
					Straw: cwt per acre		
					(±2.89)		
	18.7	19.8	14.7	13.0	20.0	22.8	24.6
					(±2.89)		
Mean			16.5		22.5		18.5
					6.0(±1.95)		