

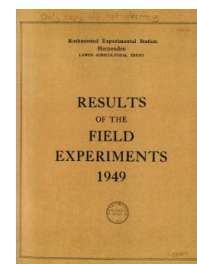
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Yields of the Field Experiments 1949

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49/CA/4 Wheat - Wireworm 2

49/CA/4 *Wheat - Wireworm 2*, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 71 - 72

49/Ca/4.1

WHEAT

Wireworm Experiment (2)

The direct and residual effects of treatment of seed with Gammexane, and of the residual effects of three strengths of Gammexane dust.

RW - Little Hoos 1949

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

Area of each plot: 0.0289 acre.

Treatments:

1949: None

Seed dusted with Gammexane dressing.

1948: None

Seed dusted with Gammexane dressing.

Gammexane dust, $\frac{1}{4}$, $\frac{1}{2}$, and 1 cwt per acre, combine drilled with seed (filler added where necessary to make total dressing of 1 cwt per acre).

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

Cultivations etc.:

Ploughed: Sept 27-29. Springtined: Oct 22. Harrowed: Oct 28. Seed drilled with superphosphate, harrowed in: Oct 30. Ring rolled: Apr 19. Sulphate of ammonia applied: Apr 26. Harvested: July 28. Variety: Bersee. Previous crop: Wheat.

Standard errors per plot:

Grain, 1.85 cwt per acre or 6.37% (9 d.f.)
Straw, 2.22 cwt per acre or 6.72% (9 d.f.)

Mean Yields: cwt per acre

	Dusted seed		Untreated		Dusted seed	Gammaxane dust per acre		Mean
	Untreated	Dusted seed	Untreated	Dusted seed		$\frac{1}{4}$ cwt	$\frac{1}{2}$ cwt	
1948								
1949	Untreated	Dusted seed	Untreated	Dusted seed	Grain	Untreated		
	27.1	28.6	(± 1.07) 23.8	25.3	32.5	(± 1.37) 35.6	36.5	
Mean (± 0.927)		26.2		30.7		34.9		29.1
				Straw				
				30.4	36.6	(± 1.64) 38.2	40.5	
Mean (± 1.11)	30.0	32.6	(± 1.28) 28.4			38.4		33.1