

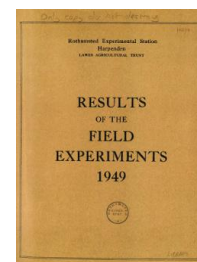
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## Yields of the Field Experiments 1949

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