

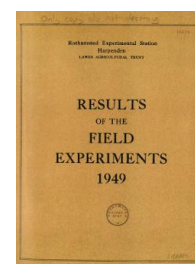
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Yields of the Field Experiments 1949

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49/CA/3 Wheat - Wireworm 1

49/CA/3 Wheat - Wireworm 1, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 70 - 70

49/Ga/3

WHEAT

Wireworm Experiment (1)

The residual effects of various insecticides, and their methods of application.

RW - Little Hoos 1949

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

Area of each plot: 0.0289 acre.

Treatments - applied 1948.

None

D.D. injected 400 lb per acre

Ethylene Dibromide 4.1% solution, injected 15 gallons per acre

D.D.T. dust combine drilled $\frac{3}{4}$ cwt per acre

Gammexane; broadcast 2 cwt per acre, combine drilled $\frac{3}{4}$ cwt per acre, or applied as seed dusting.

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

Cultivations, etc.: Floughed: 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: Bersce. Previous crop: Wheat.

Standard errors per plot:

Grain, 2.30 cwt per acre or 7.19% (18 d.f.)

Straw, 2.66 cwt per acre or 7.23% (18 d.f.)

	Un- treated	DD In- jected	Ethylene Dibromide Injected	DDT Dust Drilled	Broad- cast	Gammexane Drilled	Dusted seed	Mean
Grain: cwt per acre								
Mean Yield (± 1.33)	28.4 ⁽¹⁾	31.8	34.1	36.4	39.6	37.3	24.2	32.1
Increase (± 1.54)		3.4	5.7	8.0	11.2	8.9	-4.2	
Straw: cwt per acre								
Mean Yield (± 1.54)	33.5 ⁽²⁾	35.8	37.4	41.5	46.1	42.2	28.5	36.9
Increase (± 1.77)		2.3	3.9	8.0	12.6	8.7	-5.0	

Standard errors (1) ± 0.77
(2) ± 0.89