ROTHAMSTED RESEARCH

Yields of the Field Experiments 1949

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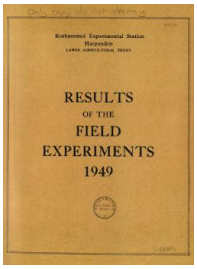

49/CA/3 Wheat - Wireworm 1

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

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 41% solution, injected 15 gallons per acre
D.D.T. dust combine drilled ¾ cwt per acre
Gammexane; broadcast 2 cwt per acre, combine drilled ¾ cwt per acre, or applied as seed dusting.

Basal manuring: 2½ 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, 2.30 cwt per acre or 7.19% (18 d.f.)
Straw, 2.66 cwt per acre or 7.23% (18 d.f.)

	Untreated	DD Injected	Ethylene Dibromide Injected	DDT Dust Drilled	Gammexane Broadcast	Gammexane Drilled	Gammexane 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