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Yields of the Field Experiments 1953

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53/CA/5 Wheat - Control Wireworm - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CA/5 Wheat - Control Wireworm - Rothamsted* ; Yields Of The Field Experiments 1953, pp 75 - 75 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Ca/5

WHEAT

The residual effect of insecticides on the control of wireworm - Geescroft 1953.

System of replication: 3 randomized blocks of 8 plots each.

Area of each plot: 0.0289 acre. Area harvested: 0.0178 acre.

Treatments (applied autumn 1951 to previous wheat):

None (triplicate plots)							(O)
Gammexane seed dressing, 2 oz per bushel							(S)
Gammexane combine drilled with seed at	56 lb per acre,	3.5% dust					(G)
Aldrin " " " "	200 lb per acre,	1.78% "					(A)
Chlordane " " " "	100 lb per acre,	5% "					(C)
D. D. T. " " " "	150 lb per acre,	5% "					(D)

Basal dressing: 3 cwt sulphate of ammonia per acre.

Cultivations, etc.: Ploughed: Sept 8, 1952. Seed drilled at 2¼ bushels per acre: Oct 27. Sulphate of ammonia applied: Apr 25, 1953. Combine harvested: Sept 26. Variety: Nord Desprez. Previous crop: Wheat.

Standard error per plot:
Grain: 2.76 cwt per acre or 10.4% (16 d.f.)

Note: Wireworm counts were made and are available.

For details of original experiment see "Results of the Field Experiments 1952", Section Ca/4.

Summary of Results

	O	S	G	A	C	D	Mean
Grain: cwt per acre							
Mean (±1.60)	21.6 ⁽¹⁾	22.9	30.2	34.6	32.9	26.7	26.5
Increase (±1.84)		1.3	8.6	13.0	11.3	5.1	

Standard error (1) ±0.92