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Yields of the Field Experiments 1964

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64/R/RB301/DB/3 Barley - Control of Thrips Aphids and Virus

Rothamsted Research

Rothamsted Research (1965) *64/R/RB301/DB/3 Barley - Control of Thrips Aphids and Virus* ; Yields Of The Field Experiments 1964, pp 221 - 221 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/Db/3

BARLEY

(RB 301)

The effect of insecticides on thrips, aphids and the spread of virus - Long Hoos V 1964.

Design: 6 randomised blocks of 4 plots each.

Area of each plot: 0.0212. Area harvested: 0.0141.

Treatments: Dimethoate spray: None (O), 4* early applications (E), 4* late applications (L), 8* applications (EL). Rate of application: 16 fluid oz of Rogor 40 in 40 gals.

*Intended number. Actually treatments E and L received 2 applications each and EL four.

Basal dressing: 3 cwt 20:10:10 combine drilled.

Cultivations, etc.: Ploughed: Oct 21, 1963. Seed drilled at 2 bushels: Feb 14, 1964. E and EL plots sprayed: May 6 and 28. EL and L plots sprayed: June 17, July 2. Combine harvested: Aug 11. Variety: Proctor. Previous crops: Potatoes 1962, winter and spring wheat 1963.

NOTE. Plant and shoot establishment counts were made on Apr 2 and 30. Water traps were used for 6 weeks early in the season and aphid and thrips counts made from May 5 at about weekly intervals until July 28.

Standard error per plot.
Grain: 2.81 or 9.0% (15 d.f.)

SUMMARY OF RESULTS

GRAIN				
O	E	L	EL	Mean
30.3	30.9	31.1	31.9	31.1
	(±1.15)			

Mean D.M. %: 86.1