

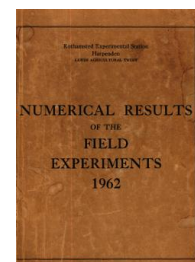
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Yields of the Field Experiments 1962

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62/R/DB/1 Barley - Control of Thrips Aphids and Virus

Rothamsted Research

Rothamsted Research (1963) *62/R/DB/1 Barley - Control of Thrips Aphids and Virus* ; Yields Of The Field Experiments 1962, pp 129 - 129 - DOI: <https://doi.org/10.23637/ERADOC-1-164>

62/Db/1

BARLEY

The effect of insecticides on thrips, aphids and the spread of virus - Long Hoos I and II 1962.

Design: 6 randomised blocks of 4 plots each.

Area of each plot: 0.0212 acres. Area harvested: 0.0139 acres.

Treatments: Rogor: None (0); applied early (E); applied late (L); applied throughout (EL). Rate of application 16 fluid oz in 40 gallons per acre.

Basal dressing: 3 cwt compound fertiliser (16% N, 9% P₂O₅, 9% K₂O) per acre combine drilled.

Cultivations, etc.: Ploughed: Feb 16 - Mar 23, 1962. Seed drilled at 3½ bushels per acre: Mar 26. E and EL plots sprayed with Rogor: Apr 26. Sprayed with MCPA/MBA at 4 pints in 40 gallons per acre: May 30. E and EL plots sprayed with Rogor: June 1. EL and L plots sprayed with Rogor: June 28. Combine harvested: Aug 29. Variety: Proctor. Previous crops: Winter wheat 1960; kale 1961.

Note: Water traps were used and trapping records of thrips and aphids made throughout most of the season. Crop samples were taken for thrips extraction from Apr 30 - June 25 and from June 27 - July 31.

Standard error per plot.

Grain (at 85% dry matter): 1.66 cwt per acre or 5.3% (15 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

Rogor				Mean
0	E	L	EL	
31.0	31.2	31.8	30.6	31.2
(±0.68)				

Mean dry matter % as harvested: 83.6