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## Yields of the Field Experiments 1963

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### 63/R/RB101/DB/1 Barley - Control of Thrips Aphids and Virus

#### Rothamsted Research

Rothamsted Research (1964) *63/R/RB101/DB/1 Barley - Control of Thrips Aphids and Virus* ; Yields Of The Field Experiments 1963, pp 161 - 161 - DOI: <https://doi.org/10.23637/ERADOC-1-183>

63/Db/1

BARLEY

(RB 101)

The effect of insecticides on thrips, aphids and the spread of virus - Hoosfield (Old Four Course) 1963.

Design: 6 randomised blocks of 4 plots each.

Area of each plot: 0.0206 acres. Area harvested: 0.0137 acres.

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

\* Intended number. Actually treatment E received 3 and treatment EL 7 applications.

Basal dressing: 3 cwt compound fertiliser (20% N, 10% P<sub>2</sub>O<sub>5</sub>, 10% K<sub>2</sub>O) per acre combine drilled.

Cultivations, etc.: Ploughed twice: Aug 28 and Nov 15, 1962. Seed drilled at 2 bushels per acre: Apr 8, 1963. E and EL plots sprayed with Rogor: May 9 and 30, June 11. Sprayed with mecoprop/2,4-D at 6 pints in 40 gallons per acre: May 24. EL and L plots sprayed with Rogor: June 27, July 8, 17 and 25. Combine harvested: Sept 5. Variety: Proctor. Previous crops: Spring wheat 1961, oats 1962.

Note: Water traps were used and trapping records of thrips and aphids made throughout most of the season. Crop samples were taken throughout most of the season for thrips extraction.

Standard error per plot.

Grain (at 85% dry matter): 1.63 cwt per acre or 5.4% (15 d.f.)

Summary of Results

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

O	Rogor spray			Mean
	E	L	EL	
30.8	29.6	29.0	29.9	29.8
	(±0.66)			

Mean dry matter % as harvested: 71.1