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Yields of the Field Experiments 1961

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61/R/DD/4 Spring Beans - Control of Aphids (Insecticides)

Rothamsted Research

Rothamsted Research (1962) *61/R/DD/4 Spring Beans - Control of Aphids (Insecticides)* ; Yields Of The Field Experiments 1961, pp 125 - 125 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/Dd/4

SPRING BEANS

Control of aphids by insecticides - Great Knott III 1961.

Design: 4 randomised blocks of 3 plots each.

Area of each plot (acres): 0.0260. Area harvested: 0.0175.

Treatments:

No insecticide (0)

Granular systemic insecticide* broadcast at 30 lb (1½ lb active ingredient) per acre (D)

Sprayed with demeton-methyl at 12 fluid oz in 40 gallons per acre (M).

*O,O-diethyl-S-2-(ethylthio)ethylphosphorodithioate.

Basal dressing per acre: 3½ cwt compound fertiliser, 14% P₂O₅, 28% K₂O placement drilled with seed.

Cultivations, etc.: Ground chalk applied at 61 cwt per acre:

Mar 7, 1961. Sprayed with diquat at 5½ pints and 12 fluid oz spreader in 80 gallons per acre: Mar 25. Rotary cultivated twice: Mar 30 and Apr 11. Seed placement drilled at 200 lb per acre: Apr 13. Sprayed with simazine at 1 lb active material in 40 gallons per acre: Apr 25. Granular systemic insecticide applied: May 28. Demeton-methyl applied: June 14. Combine harvested: Sept 12. Variety: Mixed seed. Previous crop: Winter wheat.

Note. Counts of virus infected plants and estimates of numbers of aphids were made.

Standard error per plot.

Grain (at 85% dry matter): 2.84 cwt per acre or 14.5% (6 d.f.)

Summary of Results

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

0	Spray		Mean
	D	M	
13.7	23.3 (±1.41)	21.6	19.5

Mean dry matter % as harvested: 81.3