

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1961

[Full Table of Content](#)



---

## 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% P<sub>2</sub>O<sub>5</sub>, 28% K<sub>2</sub>O 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