

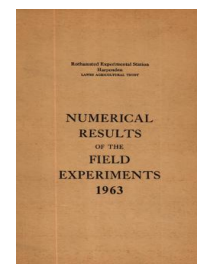
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1963

[Full Table of Content](#)



63/R/RBE201/DC/2 Spring Beans - Systemic Insecticides

Rothamsted Research

Rothamsted Research (1964) *63/R/RBE201/DC/2 Spring Beans - Systemic Insecticides* ; Yields Of The Field Experiments 1963, pp 167 - 168 - DOI: <https://doi.org/10.23637/ERADOC-1-183>

63/Dc/2.1

SPRING BEANS

(RBe 201)

Control of virus by systemic insecticides - Claycroft 1963.

Design: 4 randomised blocks of 8 plots each.

Area of each plot: 0.0217 acres. Area harvested: 0.0090 acres.

Treatments. All combinations of:-

Systemic insecticides: None (0), 1 lb (S1), 3 lb per acre menazon as seed dressing (S3), 1 lb per acre disulfoton broadcast on young foliage in granular form (B).

Demeton-methyl systemic insecticide spray: None (0), 6 fluid oz in 80 gallons per acre (M).

Basal dressing: 3.25 cwt per acre compound fertiliser (14% P₂O₅, 28% K₂O) placement drilled.

Cultivations, etc.: Ploughed: Nov 27 - Dec 3, 1962. Seed drilled at 200 lb per acre: Apr 9, 1963. Sprayed with simazine at 1 lb in 40 gallons per acre: Apr 19. Treatment B applied: June 11. Treatment M applied: June 27. Combine harvested: Sept 30. Variety: Herz Freya. Previous crops: Spring wheat 1961 and 1962.

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

Standard error per plot.

Grain (at 85% dry matter): 2.03 cwt per acre or 6.4% (21 d.f.)

63/Dc/2.2

Summary of Results

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

Demeton-methyl spray	Systemic insecticide				Mean
	0	S1	S3	B	
	(±1.01)				(±0.50)
0	25.0	30.6	33.0	28.8	29.4
M	33.7	34.7	34.5	34.3	34.3
Mean (±0.71)	29.4	32.7	33.7	31.6	31.8

Mean dry matter % as harvested: 72.4

Systemic insecticide

0 = None

S1 = 1 lb per acre menazon as seed dressing

S3 = 3 lb per acre menazon as seed dressing

B = 1 lb per acre disulfoton broadcast on young foliage in granular form

Demeton-methyl spray

0 = None

M = 6 fluid oz in 80 gallons per acre