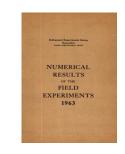
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# Yields of the Field Experiments 1963



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## 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).

- Pasal dressing: 3.25 cwt per acre compound fertiliser (14% P205, 28% K20) 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				
	0	Sl	53	B accord pare	Mean
		(±1.01)			(±0.50)
O M	25.0 33.7	30.6 34.7	33.0 34.5	28.8 34.3	29.4 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 1b per acre menazon as seed dressing 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

O = None

M = 6 fluid oz in 80 gallons per acre