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# Yields of the Field Experiments 1961

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## 61/R/DD/3 Spring Beans - Varietal Susceptibility to Virus

### Rothamsted Research

Rothamsted Research (1962) *61/R/DD/3 Spring Beans - Varietal Susceptibility to Virus* ; Yields Of The Field Experiments 1961, pp 124 - 124 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/Da/3

SPRING BEANS

Varietal susceptibility to virus - Great Knott III 1961.

Design: 3 randomised blocks of 7 plots each.

Area of each plot (acres): -0.0161. Area harvested: 0.0100.

Treatments:

Varieties: Albyn Tick (A); Tick 30<sup>B</sup> (B); Granton (G);  
Herz Freya (H); Minor (M); Strubes (S); Tick (T).

Basal dressing: 3½ cwt per acre 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. Sprayed with  
demeton-methyl at 12 fluid oz in 40 gallons per acre: June 24.  
Combine harvested: Sept 5. 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): 1.54 cwt per acre or 8.2% (12 d.f.)

Summary of Results

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

Variety							Mean
A	B	G	H	M	S	T	
21.4	21.3	15.0	13.8 (±0.89)	17.1	21.2	21.1	18.7

Mean dry matter % as harvested: 78.7