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Yields of the Field Experiments 1961

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61/R/DD/1 Spring Beans - Levels of Chalk

Rothamsted Research

Rothamsted Research (1962) *61/R/DD/1 Spring Beans - Levels of Chalk* ; Yields Of The Field Experiments 1961, pp 121 - 121 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/Da/1

SPRING BEANS

The effect of levels of chalk - Great Field I 1961.

Design: 4 randomised blocks of 5 plots each.

Area of each plot: 0.0212 acres. Area harvested: 0.0121 acres.

Treatments: Ground chalk tons per acre applied in two dressings, half before ploughing on Dec 6 and half after ploughing on Dec 13, 1960:-
None: 1; 2; 3; 4.

*The site was very uniform in pH, the maximum range between plots being 5.9 - 6.2.

Basal dressing: $3\frac{1}{2}$ cwt per acre compound fertiliser (14% P_2O_5 , 28% K_2O) placement drilled.

Cultivations, etc.: Ploughed: Oct 15 and Dec 9, 1960. Rotary cultivated: Feb 21, 1961. Seed placement drilled at 200 lb per acre: Mar 11. Sprayed with demeton-methyl at 12 fluid oz. in 60 gallons per acre: June 14. Combine harvested: Aug 21. Variety: Garton's Tick. Previous crop: Winter wheat.

Note. Samples were taken for counts of pods and beans. -

Standard error per plot.

Grain (at 85% dry matter): 1.64 cwt per acre or 8.3% (12 d.f.)

Summary of Results

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

Ground chalk: tons per acre					Mean
None	1	2	3	4	
15.0	17.9	21.7 (± 0.82)	22.0	22.5	19.8

Mean dry matter % as harvested: 75.5