

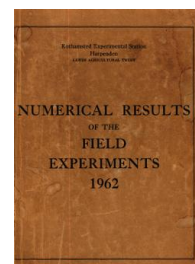
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Yields of the Field Experiments 1962

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62/R/DC/2 Spring Beans - Control of Weeds

Rothamsted Research

Rothamsted Research (1963) *62/R/DC/2 Spring Beans - Control of Weeds* ; Yields Of The Field Experiments 1962, pp 131 - 131 - DOI: <https://doi.org/10.23637/ERADOC-1-164>

62/Dc/2

SPRING BEANS

Control of weeds by residual herbicides - Delafield 1962.

Design: 3 randomised blocks of 8 plots each.

Area of each plot: 0.0193 acres. Area harvested: 0.0121 acres.

Treatments:

None (0)

Mechanical inter row cultivations (M)

Residual herbicide sprays (lb active material in 40 gallons per acre):-

Simazine: 1; 1½ (S₁; S₂)

2,6-DBN: 2; 4 (D₁; D₂) applied either in autumn (A) or in spring (B).

Basal dressing: ¾ cwt compound fertiliser (14% P₂O₅, 28% K₂O) per acre placement drilled.

Cultivations, etc.: Ploughed: Oct 6, 1961. All plots spring tine cultivated, DA plots sprayed and spring tine harrowed: Nov 17. DB plots sprayed: Feb 19, 1962. DB plots harrowed: Feb 20. All plots spring tine cultivated: Mar 20. Seed drilled at 200 lb per acre and harrowed in: Mar 21. Simazine applied: Apr 12. Weeder used on M plots: May 4. M plots steerage hoed: May 11, May 31 and June 22. Sprayed with demeton-methyl at 12 fluid oz in 60 gallons per acre: July 7. Combine harvested: Sept 26. Variety: Tick 30B. Previous crops: Spring wheat 1960; winter wheat 1961.

Notes (1) The crop failed on all plots of treatments D₁B, D₂B.
(2) Weed counts were made on all plots.

Standard error per plot.

Grain (at 85% dry matter): 2.04 cwt per acre or 7.1% (10 d.f.)

Summary of Results

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

0	M	Treatment		D ₁ A	D ₂ A	Mean
		S ₁	S ₂			
27.8	30.4	31.2	32.0	28.4	23.2	28.8
(±1.18)						

Mean dry matter % as harvested: 76.7