

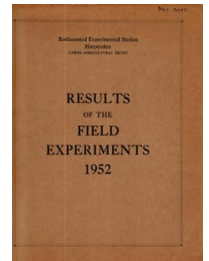
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Yields of the Field Experiments 1952

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52/CD/3 Broad Beans - Fertilizer Placement - Rothamsted

Rothamsted Research

Rothamsted Research (1953) *52/CD/3 Broad Beans - Fertilizer Placement - Rothamsted* ; Yields Of The Field Experiments 1952, pp 84 - 84 - DOI: <https://doi.org/10.23637/ERADOC-1-178>

52/Ca/3

BROAD BEANS

Fertilizer placement - Great Harpenden II 1952.

System of replication: 4 randomized blocks of 5 plots each.

Area of each plot: 0.00344 acre.

Treatments: No fertilizer; and all combinations of:-

Compound granular PK fertilizer ($13\frac{3}{4}\%$ P₂O₅; $13\frac{3}{4}\%$ K₂O): 2.7; 4.9 cwt per acre.

Method of placement: Broadcast on seed bed; drilled in band beside seed.

Basal dressing per acre: $1\frac{1}{2}$ cwt nitrochalk; 3 cwt superphosphate; $1\frac{1}{2}$ cwt sulphate of potash.

Cultivations, etc.: Ploughed: Oct 30. 40 cwt ground chalk per acre applied: Mar 13. Basal fertilizers applied: Mar 15. Beans sown: Mar 18. Harvested: July 1. Variety: Seville Long Pod. Previous crop: Spring Oats.

Standard error per plot:

Yield of green beans in pod: 2.45 cwt per acre or 9.1% (12 d.f.)

Summary of Results

Compound PK fertilizer: cwt per acre						
	2.7		4.9			
None	Broadcast	Drilled	Broadcast	Drilled		Mean
Yield of green beans in pod: cwt per acre						
Mean (± 1.22)	22.8	24.5	29.5	26.6	31.8	27.0
Increase (± 1.73)		1.7	6.7	3.8	9.0	