

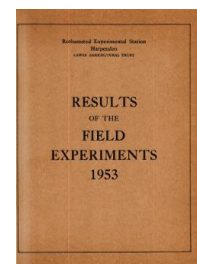
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Yields of the Field Experiments 1953

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53/CD/3 Spring Beans - Fertilizer Placement - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CD/3 Spring Beans - Fertilizer Placement - Rothamsted* ; Yields Of The Field Experiments 1953, pp 88 - 88 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/cd/3

SPRING BEANS

Phosphate placement - Sawyers I 1953.

System of replication: 6 randomized blocks of 6 plots each.

Area of each plot: 0.0092 acre.

Treatments: No phosphate (two plots per block) and all combinations of:-

Phosphate: Dicalcium phosphate; Superphosphate, each providing 0.5 cwt P₂O₅ per acre.

Method of placement: Broadcast; Drilled in band beneath seed.

Basal dressing: None.

Cultivations, etc.: Ploughed: Sept 22, 1952. Seed drilled at 3 bushels per acre, fertilizers applied: Mar 2, 1953. Harvested: Sept 8. Variety: Ashwells Selection. Previous crop: Wheat.

Standard error per plot:

Grain (at 85% Dry Matter): 1.60 cwt per acre or 13.9% (25 d.f.)

Note: The yield of grain has been adjusted to allow for the fact that several plots were drilled at the wrong seed rate.

Summary of Results

	Phosphate				Mean	
	None	Dicalcium Broadcast	Super Drilled	Dicalcium Super Drilled		
Grain (at 85% Dry Matter): cwt per acre						
Mean (±0.65)	11.8 ⁽¹⁾	9.7	9.7	12.9	13.1	11.5
Increase (±0.80)		-2.1	-2.1	+1.1	+1.3	

(1) ±0.46

Mean Dry Matter %: 83.1