

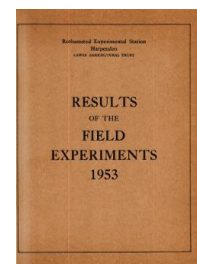
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Yields of the Field Experiments 1953

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53/CD/6 Broad Beans - Fertilizer Placement - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CD/6 Broad Beans - Fertilizer Placement - Rothamsted* ; Yields Of The Field Experiments 1953, pp 91 - 91 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/ca/6.

BROAD BEANS

Fertilizer placement - Sawyers I 1953.

System of replication: 4 randomized blocks of 6 plots each.

Area of each plot: 0.00379 acre. Area harvested: 0.00318 acre.

Treatments: No fertilizer (duplicate plots) and all combinations of:-

Compound granular NPK fertilizer (8% N, 6% P₂O₅, 10½% K₂O):
3; 6 cwt per acre.

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

Basal dressing: None.

Cultivations, etc.: Ploughed: Sept 22, 1952. Beans sown at 2 cwt per acre fertilizers applied: Feb 6, 1953. Harvested: 1st picking - July 15, 2nd - July 27. Variety: Prolific Longpod. Previous crop: Wheat.

Standard errors per plot. Yield of green beans in pod:

1st picking: 7.31 cwt per acre or 16.6% (16 d.f.)

2nd picking: 5.08 cwt per acre or 16.0% (16 d.f.)

Total of 2 pickings: 9.77 cwt per acre or 12.9% (16 d.f.)

Summary of Results

Yield of green beans in pod: cwt per acre

		Compound PK fertilizer: cwt per acre					
		3		6			
		None	Broad-cast	Drilled	Broad-cast	Drilled	Mean
1st Picking							
Mean	(±3.66)	38.0 ⁽¹⁾	36.4	54.4	47.7	50.7	44.2
Increase	(±4.48)		-1.6	+16.4	+9.7	+12.7	
2nd Picking							
Mean	(±2.54)	29.7 ⁽²⁾	25.7	33.8	26.7	45.5	31.9
Increase	(±3.11)		-4.0	+4.1	-3.0	+15.8	
Total of two pickings							
Mean	(±4.89)	67.7 ⁽³⁾	62.2	88.2	74.4	96.1	76.0
Increase	(±5.98)		-5.5	+20.5	+6.7	+28.4	

(1) ±2.59

(2) ±1.80

(3) ±3.46