

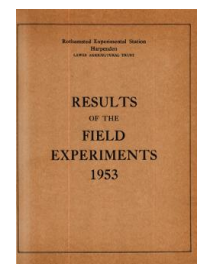
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Yields of the Field Experiments 1953

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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