

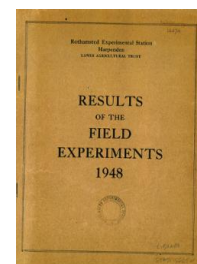
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Yields of the Field Experiments 1948

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48/CF/2 Linseed - Rothamsted : Rates and Application of Manures

Rothamsted Research

Rothamsted Research (1949) *48/CF/2 Linseed - Rothamsted : Rates and Application of Manures ; Yields Of The Field Experiments 1948*, pp 90 - 90

48/Cf/2

LINSEED

The effects of rates and methods of application of a compound fertilizer.

R/JL - Bones Close 1948

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

Area of each plot: 0.0191 acre.

Treatments:

None

$4\frac{1}{2}$ and 9 cwt compound fertilizer per acre, broadcast.

$2\frac{1}{4}$ and $4\frac{1}{2}$ cwt compound fertilizer per acre, drilled.

The compound fertilizer was made up of:

| | |
|---------------------|-----------|
| | lb |
| Sulphate of Ammonia | 32 |
| Superphosphate | 57 |
| Muriate of Potash | <u>11</u> |
| Total | 100 |

= 6.7% N, 9.0% P₂O₅, 6.7% K₂O.

Basal Manuring: None.

Cultivations etc: Ploughed: Nov 10-18. Springtime harrowed: Mar 3-4.
 Rolled and springtime harrowed: Mar 12. Tooth-harrowed: Mar 23. Seed
 drilled, and compound drilled and broadcast: Mar 24. Harrowed in:
 Mar 25. Ring rolled Mar 27. Dusted against flea beetle: May 18.
 Thistles hand hoed: May 25. Agroxone applied against weeds: May 27.
 Hoed: June 4-7 and again 8-9. Harvested: Aug 28. Variety: Royal.
 Previous crop: Barley.

Standard error per plot: 1.42 cwt per acre or 14.4% (16 d.f.)

Grain: cwt per acre

| Level | Compound | | | Mean |
|------------|----------|-----------|---------|------|
| | None | Broadcast | Drilled | |
| 1 | | 11.2 | 9.6 | 10.4 |
| 2 | | 8.2 | 7.9 | 8.1 |
| Mean | 11.2 | 9.7 | 8.8 | 9.9 |
| Difference | | -3.0 | -1.7 | -2.3 |

(±0.71) (±0.50)

(±0.50) (±1.01) (±0.71)