

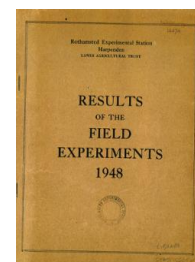
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1948

[Full Table of Content](#)



## 48/CF/3 Linseed - Woburn : Time and Date of Sowing

### Rothamsted Research

Rothamsted Research (1949) *48/CF/3 Linseed - Woburn : Time and Date of Sowing ; Yields Of The Field Experiments 1948*, pp 91 - 92

48/Cf/3.1

# LINSEED

The effects of time of sowing, seed rate, sulphate of ammonia, superphosphate and muriate of potash.

Broad Mead I Woburn 1948

System of replication: 4 randomized blocks of 8 plots each; certain high order interactions confounded with block differences.

Area of each plot: 0.0212 acre.

## Treatments:

Time of sowing: 22nd March (Early), 16th April (Late)

Seed rate: 60 and 90 lbs per acre.

Sulphate of ammonia: None, 0.45 cwt N per acre.

Superphosphate: None, 0.60 cwt  $P_2O_5$  per acre.

Muriate of potash: None, 0.45 cwt  $K_2O$  per acre

Basal Manuring: None.

Cultivations etc: Ploughed: Feb 4 and Mar 1. **Rolled:** Mar 2. Harrowed three times: between Mar 12-18. "Early" seed sown and artificials applied to "Early" plots: Mar 22. Harrowed and rolled: Mar 23. "Late" seed sown and artificials applied to "Late" plots: Apr 16. Harrowed and rolled: Apr 16. Dusted against flea beetle: May 5-8, and again May 14. Weeds pulled: June 8. Early plots harvested: Aug 19. Late plots harvested: Sept 9.

Standard Error per plot: 1.296 cwt per acre or 14.7% (13 d.f.)

Grain: cwt per acre

Mean yield: 8.79

Responses to treatments: ( $\pm 0.648$ . Means  $\pm 0.458$ )

| Response to:        | Sulphate of ammonia |         | Super phosphate |         | Muriate of potash |         | Sowing |       | Seed Rate lbs per acre |       |
|---------------------|---------------------|---------|-----------------|---------|-------------------|---------|--------|-------|------------------------|-------|
|                     | Absent              | Present | Absent          | Present | Absent            | Present | Early  | Late  | 60                     | 90    |
| Mean                |                     |         |                 |         |                   |         |        |       |                        |       |
| Sulphate of ammonia | 0.05                | -       | 0.47            | -0.37   | 0.40              | -0.30   | -1.06  | 1.16  | 0.84                   | -0.74 |
| Superphosphate      | -0.16               | 0.26    | -               | -       | 0.77              | -1.09   | -0.32  | 0.00  | 0.52                   | -0.84 |
| Muriate of Potash   | 0.29                | 0.64    | 1.22            | -0.64   | -                 | -       | 0.10   | 0.48  | -0.26                  | 0.84  |
| Sowing Late-Early   | -1.00               | -2.11   | -1.16           | -0.84   | -1.19             | -0.81   | -      | -     | -0.26                  | -1.74 |
| Seed Rate 90-60     | 0.26                | 1.05    | 0.94            | -0.42   | -0.29             | 0.81    | 1.00   | -0.48 | -                      | -     |

48/Cf/3.2