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Yields of the Field Experiments 1948

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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: 6.79

Responses to treatments: (± 0.648 . Means ± 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	
Mean									
Sulphate of ammonia	0.05	-	0.47	-0.37	0.40	-0.30	-1.06	1.16	0.84
Superphosphate	-0.16	-0.58	-	-	0.77	-1.09	-0.32	0.00	0.52
Muriate of Potash	0.29	-0.06	1.22	-0.64	-	-	0.10	0.48	-0.26
Sowing Late- Early	-1.00	0.11	-1.16	-0.84	-1.19	-0.81	-	-	-0.26
Seed Rate 90-60	0.26	-0.53	0.94	-0.42	-0.29	0.81	1.00	-0.48	-

48/Cf/3.2