

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/CA/6 Wheat - Varieties

### Rothamsted Research

Rothamsted Research (1949) *48/CA/6 Wheat - Varieties* ; Yields Of The Field Experiments 1948, pp 70 - 71

48/Oa/6.1

### SPRING-WHEAT VARIETY TRIAL

The comparison of eight varieties of spring wheat, and the effect on them of three levels of sulphate of ammonia.

RW - Little Knott 1948.

System of replication: 2 randomized blocks of 8 plots, plots split into 3 for the application of sulphate of ammonia.

Area of each sub-plot: 0.022 acre.

#### Treatments.

Whole plots: Varieties: Atle, Meteor, Fylgia, Extra Kolben II Bersee, Vilmorin 27, April Bearded, Vilmorin 29  
Sub-plots: Sulphate of ammonia; none, 0.4, 0.8 cwt N per acre.

Basal dressing: None.

Cultivations, etc.: Ploughed: various days Dec. to Jan.  
Springtime harrowed: Mar. 4, and again Mar. 11. Tooth harrowed: Mar. 15 and again Mar. 16. Sulphate of Ammonia applied: Mar. 16. Seed drilled: Mar. 18. Harrowed in: Mar. 19. Rolled: Mar. 23. Sprayed against weeds: May 19. Weeds pulled: June 7. Wild oats pulled: June 20-30. Harvested North block except Vilmorins by binder: Sept 7. Harvested Vilmorins North block: Sept. 22. Harvested South block by combine: Sept. 27. Previous crop: Kale

Standard Errors per plot: Grain

Whole plot: 1.99 cwt. per acre or 7.53%

Sub-plot: 1.88 cwt. per acre or 7.14%

48/Ca/6.2

Grain: cwt. per acre

Sulphate of ammonia	II						Mean (±0.47)
	Atle	Meteor	Fylgia	Kolben	Bersee	Vilmorin 27	
None	30.6	24.3	21.6	27.0	29.2	24.5	24.5
0.4 cwt. N per acre	31.4	25.2	24.6	27.7	30.0	24.0	25.9
0.8 cwt. N per acre	31.5	24.8	25.5	25.5	33.4	28.2	23.3
Mean	31.2	24.8	23.9	26.7 (±1.41)	30.8	25.6	24.5

Standard errors for body of table: ±1.33 for vertical comparisons only  
±1.78 for all other comparisons

Straw: cwt. per acre<sup>#</sup>

Sulphate of ammonia	II						Mean
	Atle	Meteor	Fylgia	Kolben	Bersee	Vilmorin 27	
None	51.5	54.1	55.3	52.8	43.8	80.0	60.6
0.4 cwt. N per acre	55.6	53.4	52.5	56.8	53.5	72.2	61.1
0.8 cwt. N per acre	58.2	54.9	54.3	58.4	59.3	81.8	63.9
Mean	55.1	54.1	54.1	56.0	52.2	78.0	61.9

# 1 Block (North) only