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Yields of the Field Experiments 1948

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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[#]

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