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Numerical Results of the Field Experiments 1968

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68/DA/11 Varieties and N - S. Wheat

Rothamsted Research

Rothamsted Research (1970) *68/DA/11 Varieties and N - S. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 311 - 312 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Da/11.1

SPRING WHEAT

(FW 901)

Varieties and N - Little Hoos 1968.

Design: 4 randomised blocks of 5 plots, split into 3.

Area of each sub plot: 0.0100. Area harvested: 0.0054.

Treatments: All combinations of:-

- Whole plots: 1. Varieties: Kloka (KL), Kolibri (KO), Maris Ensign (ME), Rothwell Sprite (RS), Troll (TR).
Sub plots: 2. N: 0.5 (N1), 1.0 (N2), 1.5 (N3) cwt N as basal NPK fertiliser plus 'Nitro-Chalk'.

Basal applications: 360 lb (15:15:15) combine drilled. Weedkillers: Paraquat at 0.5 lb ion in 32 gals in winter, mecoprop/2,4-D (Methoxone Extra at 6 pints in 32 gals).

Cultivations, etc.: Ploughed: 5 - 18 Sept, 1967. Paraquat applied: 4 Dec. Seed drilled at 160 lb: 14 Mar, 1968. 'Nitro-Chalk' applied: 22 Mar. Mecoprop/2,4-D applied: 17 May. Combine harvested: 4 Sept. Previous crops: Potatoes 1966, spring wheat 1967.

Standard errors per plot.

- Grain: Whole plot: 0.81 or 2.6% (12 d.f.)
Sub plot: 1.61 or 5.2% (30 d.f.)

68/Da/11.2

SUMMARY OF RESULTS

GRAIN

	KL	KD	ME	RS	TR	Mean
			(1) and (2)			(±0.36)
N1	30.9	34.5	28.2	28.8	28.7	30.2
N2	31.5	41.7	28.7	28.9	31.0	32.4
N3	29.4	41.0	24.9	23.9	30.0	29.9
Mean (±0.40)	30.6	39.1	27.3	27.2	29.9	30.8

(1) (±0.77) For use in horizontal and diagonal comparisons only

(2) (±0.81) For use in vertical and interaction comparisons only

Mean D.M. %: 76.6