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Numerical Results of the Field Experiments 1968

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68/DA/7 Ccc, Row Spacing and N - S. Wheat

Rothamsted Research

Rothamsted Research (1970) *68/DA/7 Ccc, Row Spacing and N - S. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 303 - 304 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Da/7.1

SPRING WHEAT

(RW 451)

Chlormequat, row spacing and N - Geescroft 1968.

Design: 4 randomised blocks of 12 plots.

Area of each plot: 0.0212. Area harvested: 0.0140.

Treatments: All combinations of:-

1. Row spacing: 4 (C), 8 (W) inches.
2. Chlormequat*: None (O), sprayed at 2 lb in 32 gals (S).
3. N: 0.8 (N1), 1.6 (N2), 2.4 (N3) cwt as 'Nitro-Chalk'.

* 2-chloroethyltrimethylammonium chloride (CCC).

Basal applications: 340 lb (0:20:20) broadcast by drill. Weedkillers: Ioxynil/mecoprop (Actril C at 5 pints in 20 gals), barban (Carbyne at 2 pints in 33 gals).

Cultivations, etc.: Ploughed: 15 Sept, 1967. Basal PK applied, seed drilled at 160 lb: 11 Mar, 1968. 'Nitro-Chalk' applied: 21 Mar. Barban applied: 23 Apr. Ioxynil/mecoprop applied, chlormequat applied: 15 May. Combine harvested: 8 Sept. Variety: Kolibri. Previous crops: Fallow 1966, spring oilseed rape 1967.

NOTE: Samples were taken from each plot on 5 June and 3 July for leaf area, shoot height, fresh and dry weight and number of shoots, and for yields on 26 Aug.

Standard error per plot.

Grain: 2.36 or 6.1% (33 d.f.)

68/Da/7.2

SUMMARY OF RESULTS

GRAIN

	O	S	N1	N2	N3	Mean
	(±0.68)			(±0.83)		(±0.48)
C	35.4	41.6	39.1	38.2	38.2	38.5
W	34.0	43.0	37.4	40.7	37.5	38.5
				(±0.83)		(±0.48)
	O		36.4	34.9	32.8	34.7
	S		40.1	43.9	42.9	42.3
	Mean (±0.59)		38.2	39.4	37.9	38.5

Mean D.M. %: 76.3