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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 (0), 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