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Numerical Results of the Field Experiments 1969

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69/R/W/6 - Ccc Treated Seed & N -

Rothamsted Research

Rothamsted Research (1970) *69/R/W/6 - Ccc Treated Seed & N -* ; Numerical Results Of The Field Experiments 1969, pp 247 - 248 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

WINTER WHEAT

(69/R/W/6)

Chlormequat treated seed and N, Long Hoos VII 1969.

Design: 4 randomised blocks of 6 plots.

Area of each plot: 0.0036. Area harvested: 0.0021.

Treatments: All combinations of:-

1. Chlormequat*: None (0), seed treated with chlormequat (C).
2. Nitrogen: 0.5 (N1), 1.0 (N2), 1.5 (N3) cwt as 'Nitro-Chalk' top dressed in spring.

* The amount of chlormequat in the seed was 4.8%.
It was applied by spraying the seed.

Basal applications: 280 lb (0:20:20) broadcast by drill at sowing. Weedkillers: Paraquat at 0.5 lb ion in 25 gals. Mecoprop at 42 oz and 2,4-D at 0.5 oz in 20 gals.

Cultivations, etc.: Ploughed: 6 Aug, 1968. Paraquat applied: 18 Oct. Seed drilled at 190 lb: 22 Oct. 'Nitro-Chalk' applied: 29 Apr, 1969. Mecoprop/2,4-D applied: 3 May. Combine harvested: 1 Sept. Variety: Cappelle. Previous crops: Lucerne 1964 - 1967.

NOTE: A plant count was made on 6 Feb, 1969, a tiller count on 5 June and stem height estimations on 5 and 13 June. Samples for yield were taken on 25 Aug.

Standard error per plot.

Grain, cwt: 4.77 or 9.0% (13 d.f.)

SUMMARY OF RESULTS

GRAIN:CWT

	N1	N2	N3	Mean
		(±2.39)		(±1.38)
O	52.2	60.8	59.1	57.4
C	47.2	49.2	48.3	48.2
Mean (±1.69)	49.7	55.0	53.7	52.8

Mean D.M.%: 81.9