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Numerical Results of the Field Experiments 1968

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68/DA/3 Ccc and Eyespot - W. Wheat

Rothamsted Research

Rothamsted Research (1970) *68/DA/3 Ccc and Eyespot - W. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 295 - 296 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Da/3.1

WINTER WHEAT

(RW 201)

Chlormequat and eyespot (*Cercospora herpotrichoides*) - Claycroft
1968.

Design: 4 randomised blocks of 4 plots, split into 2.

Area of each sub plot: 0.0145. Area harvested: 0.0076.

Treatments: All combinations of:-

Whole plots: 1. Chlormequat: * None (0), sprayed** in winter (A),
in spring (S), in winter and in spring (AS).

Sub plots: 2. N: 100 (N1), 200 lb (N2) as 'Nitro-Chalk' in
addition to basal.

* 2-chloroethyltrimethylammonium chloride (CCC).

** At 2 lb in 32 gals on each occasion.

Basal application: 410 lb (6:15:15) combine drilled.

Cultivations, etc.: Ploughed: 13 Sept, 1967. Seed drilled at 180 lb:
5 Oct. Sprayed with chlormequat: 5 Dec and 11 Mar, 1968. 'Nitro-
Chalk' applied: 11 Apr. Combine harvested: 26 Aug. Variety:
Champlain. Previous crops: Barley 1966 and 1967.

NOTE: Samples were taken in spring and summer for estimation of
eyespot (*Cercospora herpotrichoides*).

Standard errors per plot. Grain:

Whole plot: 2.96 or 7.4% (9 d.f.)

Sub plot: 2.59 or 6.5% (12 d.f.)

68/Da/3.2

SUMMARY OF RESULTS

GRAIN

	O	A	S	AS	Mean
	(1) and (2)				(±0.65)
N1	40.7	43.0	50.1	42.6	44.1
N2	34.1	35.8	34.0	37.9	35.5
Mean (±1.48)	37.4	39.4	42.1	40.3	39.8

(1) (±1.74) For use in horizontal and diagonal comparisons only

(2) (±1.30) For use in vertical and interaction comparisons only

Mean D.M. %: 83.6