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Yields of the Field Experiments 1967

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67/R/RW301/DA/3 Winter Wheat - Ccc

Rothamsted Research

Rothamsted Research (1968) *67/R/RW301/DA/3 Winter Wheat - Ccc* ; Yields Of The Field Experiments 1967, pp 279 - 280 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/Da/3.1

WINTER WHEAT

(RW 301)

Effects of CCC - Long Hoos V 1967.

Design: 4 blocks of 8 plots, randomisation restricted.

Area of each plot: 0.0241. Area harvested: 0.0014.

Treatments: All combinations of:-

1. Chlormequat*: No spray (CO), 2.5 lb in 40 gals (CS) in spring.
2. Nitrogen: None (NO), 0.8 (N1), 1.6 (N2), 2.4 (N3) cwt N as 'Nitro-Chalk'.

* 2-chloroethyltrimethylammonium chloride, formerly called CCC.

NOTE: (1) A wetter was included in the CCC spray.

Basal applications: 340 lb (0:20:20) combine drilled. Weedkiller: Ioxynil/mecoprop (Actril C at 6 pints in 32 gals). Seed dressed with ethion against wheat bulb fly.

Cultivations, etc.: Ploughed: Sept 13, 1966. Seed drilled at 210 lb: Oct 27. Chlormequat applied: Mar 21. 'Nitro-Chalk' applied: Apr 18. Sprayed (Weedkiller): Apr 26. Combine harvested: Aug 31. Variety: Cappelle. Previous crops: Winter beans 1965, fallow 1966.

NOTE: (2) Crop samples were taken at intervals after the ears emerged to determine leaf area. Counts of shoots were made from time to time.

Standard error per plot.

Grain: 2.29 or 5.1% (21 d.f.)

67/De/3.2

SUMMARY OF RESULTS

GRAIN

	NO	N1	N2	N3	Mean
			(± 1.15)		(± 0.57)
CO	41.5	48.1	44.9	43.2	44.4
CS	46.4	48.7	45.5	43.6	46.0
Mean (± 0.81)	43.9	48.4	45.2	43.4	45.2

Mean D.M. %: 85.0