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Yields of the Field Experiments 1967

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67/R/RW701/DA/7 Spring Wheat - Ccc

Rothamsted Research

Rothamsted Research (1968) *67/R/RW701/DA/7 Spring Wheat - Ccc* ; Yields Of The Field Experiments 1967, pp 287 - 288 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/Da/7.1

SPRING WHEAT

(RW 701)

Effects of CCC - Long Hoos V 1967.

Design: 4 blocks of 8 plots, randomisation restricted.

Area of each plot: 0.0193. Area harvested: 0.0111.

Treatments: All combinations of:-

1. Chlormequat*: No spray (C0), 2.5 lb in 40 gals (CS) in spring at 5 leaf stage.
2. Nitrogen: None (N0), 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 5 pints in 20 gals).

Cultivations, etc.: Ploughed: Sept 26, 1966. Seed drilled at 175 lb: Mar 14, 1967. 'Nitro-Chalk' applied: Mar 28. Sprayed (weedkiller): May 12. Sprayed with chlormequat: May 31. Combine harvested: Aug 24. Variety: Kloka. 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: 4.00 or 8.9% (21 d.f.)

67/Da/7.2

SUMMARY OF RESULTS

GRAIN

	NO	N1	N2	N3	Mean
			(±2.00)		(±1.00)
CO	36.9	48.3	50.2	48.0	45.8
CS	34.4	47.7	46.8	47.7	44.1
Mean (±1.42)	35.6	48.0	48.5	47.9	45.0

Mean D.M. %: 79.7