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Yields of the Field Experiments 1964

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64/R/RW501/DA/4 Spring Wheat - Ccc

Rothamsted Research

Rothamsted Research (1965) *64/R/RW501/DA/4 Spring Wheat - Ccc* ; Yields Of The Field Experiments 1964, pp 209 - 210 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/Da/4.1

SPRING WHEAT

(RW 501)

Effects of CCC* - Pastures 1964.

Design: 4 randomised blocks of 9 plots each.

Area of each plot: 0.0067. Area harvested: 0.0008.

Treatments: All combinations of:-

1. CCC* in spray at 67 gals: None (0), 2.5 lb (S), 5.0 lb (D).
2. Nitrogen: 0.25 (N1), 0.75 (N3), 1.25 (N5) cwt N as 'Nitro-Chalk'.

* 2-chloroethyltrimethylammonium chloride - a dwarfing compound.

Basal dressing: 1.5 cwt compound 0:20:20 combine drilled.

Cultivations, etc.: Ploughed: Feb 27, 1964. Seed drilled at 4.5 bushels: Mar 13. 'Nitro-Chalk' applied: Mar 31. CCC sprays applied: May 13. Sprayed with mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals): May 15. Yields estimated by sampling: Aug 24. Variety: Phoebus. Previous crops: 7 year grass and clover ley.

NOTE: Samples were taken for growth analysis at 5 leaf stage, then 3 weeks later, and at ear emergence, and at harvest. Grain yields were estimated by sampling.

Standard error per plot.

Grain: 2.79 or 6.8% (24 d.f.)

64/Da/4.2

SUMMARY OF RESULTS

	N1	N3	N5	Mean
GRAIN				
		(±1.39)		(±0.80)
O	35.5	40.5	43.2	39.7
S	36.6	43.2	45.4	41.8
D	37.3	44.7	44.5	42.1
Mean (±0.80)	36.5	42.8	44.4	41.2

	STRAW			
O	39.7	50.6	53.2	47.8
S	30.1	39.8	45.5	38.5
D	31.6	43.9	45.6	40.4
Mean	33.8	44.8	48.1	42.2

Mean D.M. %: Grain 88.4