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Yields of the Field Experiments 1965

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65/R/RW601/DA/6 Spring Wheat - Ccc

Rothamsted Research

Rothamsted Research (1966) *65/R/RW601/DA/6 Spring Wheat - Ccc ; Yields Of The Field Experiments 1965*, pp 251 - 252 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/6.1

SPRING WHEAT

(RW 601)

Effects of CCC - Long Hoos VI 1965.

Design: 2 x 2 x 2 x 2 in 6 blocks of 8 plots plus 2 extra plots per block, each complete block being a half replicate.

Area of each plot: 0.0184. Area harvested: 0.0007.

Treatments: All combinations of:-

1. CCC* in spray at 40 gals: None (O), 2.5 lb (S).

2. Row spacing: Rows 4 (C), 8 in. (W) apart.

3. Seed rate: 180 (L), 360 lb (H).

4. Nitrogen: 0.5 (N1), 1.0 cwt (N2) N as 'Nitro-Chalk'.

In addition the experiment included 4 extra treatments (2 per block), -
~~CWLN4, SWLN4, CWHN4, SWHN4~~, where N4 represents 2.0 cwt N as
'Nitro-Chalk'.

* 2-chloroethyltrimethylammonium chloride - a dwarfing compound.

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

Basal applications: 2 cwt (0:20:20) broadcast. Weedkiller: 1.12 lb
MCPA and 0.08 lb dicamba in 40 gals.

Cultivations, etc.: Ploughed: Nov 6, 1964. Basal PK compound applied:
Mar 30, 1965. Seed drilled, 'Nitro-Chalk' applied: Mar 31.
Weedkiller applied, CCC spray applied: May 20. Yields estimated
by sampling: Sept 9. Combine harvested: Sept 19. Variety: Opal.
Previous crops: Winter wheat 1963, oats 1964.

NOTE: (2) Samples were taken for growth analysis at 5 leaf stage, then
3 weeks later, and at ear emergence and then fortnightly until
harvest.

Standard error per plot.

Grain: 3.41 or 11.5% (32 d.f.)

65/Da/6.2

SUMMARY OF RESULTS

GRAIN

Excluding N4 Plots

	C	W	L	H	N1	N2	Mean
	(±0.98)						(±0.70)
O	29.9	28.9	31.1	27.8	26.4	32.5	29.4
S	30.0	28.6	30.3	28.3	25.5	33.1	29.3
		C	31.4	28.4	26.6	33.2	29.9
		W	29.9	27.6	25.2	32.4	28.8
				L	27.0	34.4	30.7
				H	24.9	31.2	28.0
Mean	(±0.70)				25.9	32.8	29.4

	N4 Plots		Mean
	L	H	
	(±1.97)		(±1.39)
O	34.6	30.8	32.7
S	31.1	27.2	29.2
Mean	32.9	29.0	30.9
	(±1.39)		

Mean D.M. %: 86.9

General mean: 29.7