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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), - ~~CWIN4, SWIN4, CWHN4, SWHN4~~, where N4 represents 2.0 cwt N as 'Nitro-Chalk'.

* 2-chloroethyltrimethylammonium chloride - a dwarfing compound.

NOPE: (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.

NOPE: (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