

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1965

[Full Table of Content](#)



65/W/WBL/C/30 Scorch Study - Spring Wheat 2nd Year

Rothamsted Research

Rothamsted Research (1966) *65/W/WBL/C/30 Scorch Study - Spring Wheat 2nd Year* ; Yields Of The Field Experiments 1965, pp 227 - 229 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/c/30.1

SPRING WHEAT

(WBL)

'Scorch' study - Woburn Butt Close 1965, the second year.

Design: 3 x 2 x 2 x 2 x 2 in 4 randomised blocks of 12 plots.

Area of each plot: 0.0032. Area harvested: 0.0011.

Treatments: All combinations of:-

1. Fumigant 1965: None (0), sprayed with formalin *(F) on Dec 7, 1964.
 2. Fumigant 1964: None (0), sprayed twice with formalin *(R).
 3. Fungicide 1964: None (0), sprayed with nabam (S).
 4. Irrigation 1964 and 1965: None (0), irrigated (W).
 5. Nitrogen 1964 and 1965: 0.6 (N1), 1.2 (N2), 1.8 (N3) cwt N as 'Nitro-Chalk' applied half in seedbed, half on May 14.
- * A 38% solution of formaldehyde at 266 gals in 3700 gals.

Basal applications: 2.5 cwt (0:20:20). Weedkiller: Dichlorprop/MCPA (Cornox RK Extra at 6 pints in 50 gals) on 2 occasions.

Cultivations, etc.: Ploughed: Nov 24, 1964. Basal dressing applied: Feb 10, 1965. Seedbed N applied, seed sown at 180 lb: Mar 12. Sprayed: May 7 and 21. W plots irrigated - 0.375 in: May 25, 0.125 in: June 1, 0.75 in: June 15. Harvested: Aug 31. Variety: Opal. Previous crops: Spring beans 1962, winter wheat 1963.

- NOTES: (1) For previous year's results etc. see 'Results' 64/Da/3.
(2) Green crop samples were taken on 3 occasions for yield and N determination. Samples were taken for N determination at threshing.

Standard error per plot.

Grain: 1.51 or 7.5% (8 d.f.)

65/C/30.2

SUMMARY OF RESULTS

GRAIN

	O	R	O	W	N1	N2	N3	O	S	Mean
	(±0.51)		(±0.51)		(±0.63)		(±0.51)		(±0.36)	
O	10.3	14.1	13.4	11.0	7.7	13.5	15.3	12.9	11.4	12.2
F	32.5	24.0	27.2	29.3	24.3	31.2	29.2	28.4	28.1	28.3
	(±0.51)		(±0.63)		(±0.51)					
O			21.6	21.2	17.8	23.2	23.2	22.1	20.7	21.4
R			19.0	19.1	14.2	21.6	21.4	19.2	18.9	19.1
			(±0.63)		(±0.51)					
O					16.6	21.4	23.0	20.7	19.9	20.3
W					15.4	23.4	21.6	20.6	19.7	20.1
					(±0.63)		(±0.51)			
N1								15.0	17.0	16.0
N2								23.6	21.2	22.4
N3								23.4	21.2	22.3
Mean							(±0.63)		(±0.44)	
(±0.36)										

65/c/30.3

STRAW

	O	R	O	W	N1	N2	N3	O	S	Mean
O	17.4	21.4	21.4	17.4	14.9	20.3	23.0	19.3	19.4	19.4
F	41.5	30.7	33.6	38.5	30.9	38.4	39.0	36.4	35.7	36.1
O			28.9	29.9	24.7	30.6	33.0	29.4	29.5	29.4
R			26.1	26.0	21.0	28.1	29.0	26.4	25.7	26.0
O					23.7	27.8	30.9	27.2	27.8	27.5
W					22.0	30.8	31.0	28.5	27.4	28.0
N1								21.3	24.4	22.9
N2								30.8	27.9	29.3
N3								31.5	30.5	31.0
Mean								27.9	27.6	27.7

Mean D.M. %: 81.5