

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/R/IB/C/2 Intensive Barley Growing - Cereals

Rothamsted Research

Rothamsted Research (1966) *65/R/IB/C/2 Intensive Barley Growing - Cereals* ; Yields Of The Field Experiments 1965, pp 127 - 128 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/C/2.1

INTENSIVE BARLEY GROWING EXPERIMENT

(IB)

Little Knott I - 1965, the fifth year

For treatments, etc., see 'Results' 61/C/8 (N0 = None, N1 = 0.3, N2 = 0.6, N3 = 0.9 cwt N).

Area of each plot: 0.0212. Area harvested: 0.0139.

Basal applications: Manures as 1964.

Insecticide: Spring beans: Menazon at 0.25 lb in 40 gals.

Weedkillers: Oats: MCPA at 1.12 lb plus dicamba at 0.8 lb in 40 gals. Barley: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals). Winter wheat: Mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals and at 6 pints in 40 gals).

Cultivations, etc.: Ploughed: Oct 13, 1964. All plots except winter wheat chisel ploughed: Dec 23.

Spring beans: Seed placement drilled at 200 lb (rows spaced at 10.5 ins): Feb 18, 1965. Sprayed: June 4. Combine harvested: Sept 29.

Oats: Seed combine drilled at 170 lb, 'Nitro-Chalk' applied: Mar 15, 1965. Sprayed: May 19. Combine harvested: Sept 29.

Spring wheat: Seed combine drilled at 190 lb: Mar 30, 1965. 'Nitro-Chalk' applied: Mar 31. Combine harvested: Sept 10.

Barley: 'Nitro-Chalk' applied: Mar 15, 1965. Seed combine drilled at 140 lb: Mar 29. Sprayed: May 11. Combine harvested: Sept 10.

Winter wheat: Seed combine drilled at 155 lb: Oct 23, 1964. 'Nitro-Chalk' applied: Mar 11, 1965. Sprayed twice: Apr 23 and May 13. Combine harvested: Sept 10.

- NOTES: (1) Yields were taken only for sequences 1, 2, 3, 6, 7, 8 and 9.
(2) Estimates of eyespot (*Cercospora herpotrichoides*) and take-all (*Ophiobolus graminis*) were made in spring and summer. 1000 corn weights were estimated on selected barley plots.
(3) For details of the previous years' results see 'Results' 61/C/8, 62/C/7, 63/C/2 and 64/C/2.

Standard errors per plot. Grain:

Spring wheat (6 and 8): 3.67 or 10.8% (9 d.f.)

Barley (1,2,3,7): 2.82 or 7.5% (15 d.f.)

65/c/2.2

SUMMARY OF RESULTS

GRAIN

WINTER WHEAT 9

Crop in 1961 Crop in 1962 Crop in 1963 Crop in 1964	SW WW WW WW				Mean
	NO	N1	N2	N3	
	22.1	20.6	26.5	32.4	25.4

Mean D.M. %: 72.3

SPRING WHEAT 6 AND 8

Crop in 1961 Crop in 1962 Crop in 1963 Crop in 1964	SW SW SW SW				SW SW Be O N2	Mean
	NO	N1	N2	N3		
	25.8	27.3	34.9	34.3	37.2	33.9
		(±2.59)			(±1.30)	

Mean D.M. %: 69.6

BARLEY 1,2,3 AND 7

Crop in 61 62 63 64	NO				Mean
	N1	N2	N3		
	(±1.99)			(±1.00)	
O Be B B	24.5	39.7	37.4	37.5	34.8
SW O Be B	37.0	42.3	42.6	38.7	40.1
O SW O Be	41.0	46.2	38.8	35.9	40.5
B B B B	27.4	36.9	40.3	37.7	35.6
Mean (±1.00)	32.5	41.3	39.8	37.5	37.7

Mean D.M. %: 71.8