

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 1964

[Full Table of Content](#)



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

#### Rothamsted Research

Rothamsted Research (1965) *64/R/IB/C/2 Intensive Barley Growing - Cereals* ; Yields Of The Field Experiments 1964, pp 143 - 144 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/C/2.1

INTENSIVE BARLEY GROWING EXPERIMENT

(IB)

Little Knott I - 1964, the fourth year

For treatments etc., see 'Results' 61/C/8. (NO = None, N1 = 0.3, N2 = 0.6, N3 = 0.9 cwt N per acre).

Area of each plot (acres): 0.0212. Area harvested: 0.0139.

Cultivations, etc.: Ploughed: Oct 7, 1963. All plots except winter wheat chisel ploughed: Dec 17.

Spring beans: Seed placement drilled at 200 lb (rows spaced at 10.5 ins): Feb 14, 1964. Combine harvested: Sept 2.

Oats: Seed combine drilled at 4 bushels: Mar 6, 1964. 'Nitro-Chalk' applied: Mar 9. Sprayed with MCPA/dichlorprop (Seritox at 8 pints in 40 gals): May 15. Combine harvested: Aug 22.

Spring wheat: Seed combine drilled at 3 bushels: Mar 11, 1964. 'Nitro-Chalk' applied: Mar 31. Sprayed with MCPA/dichlorprop (Seritox at 8 pints in 40 gals): May 15. Combine harvested: Aug 28.

Barley: Seed combine drilled at 2.5 bushels: Feb 13, 1964. 'Nitro-Chalk' applied: Feb 14. Sprayed with MCPA/dichlorprop (Seritox at 8 pints in 40 gals): May 15. Combine harvested: Aug 11.

Winter wheat: Seed combine drilled at 2.5 bushels: Oct 17, 1963. 'Nitro-Chalk' applied: Mar 5, 1964. Sprayed with mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals): May 12. Combine harvested: Aug 26.

- NOTES: (1) Yields were taken only for sequences 1, 2, 5, 7, 8, 9 and 10.  
(2) Estimates of eyespot (*Cercospora herpotrichoides*) and take-all (*Ophiobolus graminis*) were made in spring and summer and percentage area lodged was estimated.  
(3) For details of the previous years' results see 'Results' 61/C/8, 62/C/7 and 63/C/2.

Standard errors per plot.	Grain:
Spring wheat (5 and 8):	2.70 or 8.3% (9 d.f.)
Barley (1,2,7 and 10):	3.52 or 9.1% (15 d.f.)

64/C/2.2

SUMMARY OF RESULTS

GRAIN

WINTER WHEAT 9

Crop in 1961 Crop in 1962 Crop in 1963	SW WW WW				Mean
	NO	N1	N2	N3	
	23.4	21.7	29.6	33.4	27.0

Mean D.M. %: 87.2

SPRING WHEAT 5 AND 8

Crop in 1961 Crop in 1962 Crop in 1963	SW SW SW				SW Be O	Mean
	NO	N1	N2	N3		
	16.0	22.8	32.9	32.4	38.7	32.4
		(±1.91)			(±0.95)	

Mean D.M. %: 83.8

BARLEY 1,2,7 AND 10

Crop in 1961 1962 1963			NO	N1	N2	N3	Mean
					(±2.49)		(±1.24)
B	B	B	18.5	27.6	29.5	34.2	27.4
O	Be	B	18.5	37.3	37.7	44.8	34.6
SW	O	Be	43.4	45.6	49.8	48.1	46.8
Be	WW	P	41.6	48.3	46.1	44.6	45.1
Mean (±1.24)			30.5	39.7	40.8	42.9	38.5

Mean D.M. %: 82.1