

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/RB101/DB/1 and 64/W/WB101/DB/1 Barley - Varieties and N

#### Rothamsted Research

Rothamsted Research (1965) *64/R/RB101/DB/1 and 64/W/WB101/DB/1 Barley - Varieties and N* ;  
Yields Of The Field Experiments 1964, pp 215 - 216 - DOI:

<https://doi.org/10.23637/ERADOC-1-160>

64/Db/1.1

BARLEY

(RB 101 and WB 101)

Varieties and N - Rothamsted (R) Great Knott III and Woburn (W)  
Butt Close 1964.

Design: 4 randomised blocks of 7 plots each, plots being split into  
3 for application of N.

Area of each sub-plot:	Area harvested:
Great Knott III (R): 0.0096	0.0064
Butt Close (W): 0.0112.	-

Treatments. All combinations of:-

1. Varieties: Sown at 2.75 bushels: Plumage Archer (A), Maris Badger (B), Cambrinus (C), Europa (E), Impala (I), Proctor (P),  
Sown at 2.25 bushels: Proctor (PL).
2. Nitrogen: 0.3 (N1), 0.6 (N2), 0.9 (N3) cwt N as 'Nitro-Chalk'.

Basal dressing: 2 cwt (0:20:20) combine drilled.

Cultivations, etc.:

Great Knott III (R). Ploughed twice: Sept 26 - Nov 26, 1963 and  
Jan 6, 1964. Seed drilled: Mar 9. 'Nitro-Chalk' applied:  
Mar 26. Sprayed with mecoprop/2,4-D (Methoxone Extra at 6  
pints in 40 gals): May 14. Combine harvested: Aug 20.  
Previous crops: Potatoes 1962, winter wheat 1963.

Butt Close (W). Ploughed twice: Oct 2, 1963 and Jan 6, 1964.  
'Nitro-Chalk' applied: Feb 27. Seed drilled: Feb 28. Sprayed  
with mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals):  
May 6. Combine harvested: Aug 27. Previous crops: Spring  
beans and carrots 1962, winter wheat 1963.

NOTE: In the experiment on Butt Close (W) varieties C, E and I (only)  
showed severe yellowing. Later all varieties grew badly from  
unknown causes and no yields were taken.

Standard errors per plot. Grain:

Great Knott III (R):	Whole plot: 0.90 or 2.2% (18 d.f.)
	Sub plot: 3.13 or 7.6% (42 d.f.)

64/Db/1.2

SUMMARY OF RESULTS

Great Knott III (R)

GRAIN

	N1	N2	N3	Mean
	(1) and (2)			(±0.29)
A	28.3	32.3	39.5	33.4
B	44.1	48.2	44.6	45.6
C	39.8	42.6	46.4	42.9
E	37.7	37.6	39.1	38.1
I	42.4	49.2	49.2	46.9
P	34.8	42.8	44.1	40.6
PL	37.7	43.6	42.3	41.2
Mean (±0.59)	37.8	42.3	43.6	41.2

Mean D.M. %: 83.3

- (1) ±1.57 For use in horizontal and interaction comparisons
- (2) ±1.36 For use in vertical and diagonal comparisons