

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/BV/C/23 Growth Study Residues - Barley

Rothamsted Research

Rothamsted Research (1966) *65/R/BV/C/23 Growth Study Residues - Barley ; Yields Of The Field Experiments 1965*, pp 209 - 210 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/C/23.1

GROWTH STUDY RESIDUES

(BV)

Residues of fertilisers applied to potatoes for growth study 1964, Highfield VI, barley 1965.

Design: 2 replicates of 4 x 2 x 2 in 4 blocks of 8 plots.

Area of each plot: 0.0257. Area harvested: 0.0171.

Treatments:

To potatoes 1964: All combinations of:-

1. N: None (N0), 0.75 (N1), 1.50 (N2), 3.0 cwt (N4) as 'Nitro-Chalk'.
2. P: None (P0), 1.5 cwt (P1) P205 as superphosphate.
3. K: None (K0), 1.5 cwt (K1) K20 as sulphate of potash.

To barley 1965: None.

Basal applications: 0.75 cwt N as 'Nitro-Chalk' combine drilled.

Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 34 gals).

Cultivations, etc.: Ploughed: Nov 17, 1964. Seed drilled at 155 lb: Mar 29, 1965. Sprayed: May 19. Combine harvested: Sept 2. Variety: Maris Badger. Previous crops: Barley 1962, spring beans 1963.

NOTES: (1) In 1964 potatoes were sampled frequently but no full-scale yields were taken.

(2) Owing to a fault in the combine harvester the yields from two adjacent plots (N3P1K1 and N0P1K0) were bulked. Estimated values were used in the analysis.

Standard error per plot.

Grain: 1.26 or 3.8% (12 d.f.)

65/C/23.2

SUMMARY OF RESULTS

GRAIN

	N0	N1	N2	N4	Mean
Mean (± 0.45)	34.9	33.0	33.3	31.2	33.1
		(± 0.63)			(± 0.32)
P0	34.6	33.3	31.9	31.7	32.9
P1	35.2	32.7	34.7	30.6	33.3
		(± 0.63)			(± 0.32)
K0	35.7	33.2	33.2	31.7	33.4
K1	34.1	32.9	33.4	30.6	32.7
	P0	P1			
	(± 0.45)				
K0	33.3	33.6			
K1	32.5	33.0			

Mean D.M. %: 71.9