

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 1955

[Full Table of Content](#)



55/R/CB/5 Barley - Varieties and N

Rothamsted Research

Rothamsted Research (1956) *55/R/CB/5 Barley - Varieties and N* ; Yields Of The Field Experiments 1955, pp 87 - 87 - DOI: <https://doi.org/10.23637/ERADOC-1-175>

55/Cb/5

BARLEY

Varieties and levels of nitrogen - Great Field I 1955.

Design: 3 randomized blocks of 8 plots each, plots being split into 2 for the application of nitrogen.

Area of each sub plot: 0.0103 acre. Area harvested: 0.0069 acre.

Treatments: All combinations of:-

Whole plots. Varieties: Carlsberg; Herta; Maythorpe; Piroline; Plumage Archer; Proctor; Provost; Research.Sub plots. Nitrogen: 0.23; 0.46 cwt N per acre applied as nitrochalk.Basal dressing per acre: 1.15 cwt compound granular fertilizer (13% P₂O₅, 13% K₂O) combine drilled; 1 ton ground chalk.

Cultivations, etc.: Ploughed: Dec 29, 1954. Chalk applied: Apr 1, 1955. Nitrogen applied, seed combine drilled at 2 bushels per acre: Apr 5. Sprayed with DNOC at 6 lb per acre in 80 gallons: May 12. Combine harvested: Aug 21. Previous crop: Potatoes.

Standard errors per plot. Grain (at 85% D.M.).

Whole plot: 1.33 cwt per acre or 3.1% (14 d.f.)

Sub plot: 1.79 cwt per acre or 4.2% (16 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

N: cwt per acre	Variety								Mean
	1	2	3	4	5	6	7	8	
	(±1.06)*								
0.23	43.0	48.3	44.6	48.2	37.2	46.1	41.3	41.1	43.7
0.46	42.2	45.7	43.4	44.9	36.1	44.7	38.3	39.4	41.9
Mean (±0.77)	42.6	47.0	44.0	46.6	36.7	45.4	39.8	40.2	42.8
Diff. (±1.46)	-0.8	-2.6	-1.2	-3.3	-1.1	-1.4	-3.0	-1.7	-1.8
									(±0.52)

*for use in comparisons other than vertical.

Mean dry matter % as harvested: 85.3

Varieties: 1 Carlsberg 5 Plumage Archer
 2 Herta 6 Proctor
 3 Maythorpe 7 Provost
 4 Piroline 8 Research