

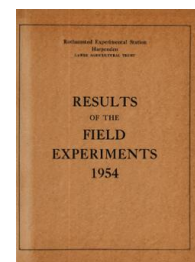
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1954

[Full Table of Content](#)



54/R/CA/5 Wheat - Methods of Harvesting Square Plots

Rothamsted Research

Rothamsted Research (1955) *54/R/CA/5 Wheat - Methods of Harvesting Square Plots* ; Yields Of The Field Experiments 1954, pp 69 - 69 - DOI: <https://doi.org/10.23637/ERADOC-1-184>

54/Ca/5

WHEAT

Methods of harvesting square plots and two N levels - West Barnfield II 1954.

System of replication: 4 randomized blocks of 4 plots each.

Area of each plot: 0.0265 acre. Area harvested: Binder - full area, Combine - 0.0225 acre.

Treatments: All combinations of:-

N: 0.3; 0.6 cwt per acre applied as Nitrochalk.

Methods of harvesting: Binder - full area; Combine (Massey Harris 780, 10' cut) - 3 cuts each of 0.0075 acre, recorded separately.

Basal dressing: None

Cultivations, etc.: Ploughed: Sept 24, 1953. Seed drilled at 3 bushels per acre: Nov 7. Nitrochalk applied: May 8, 1954. Harvested: Binder plots - Sept 1, Combine plots - Sept 13. Variety: Cappelle. Previous crop: Wheat

Standard error per plot:

Grain (at 85% D.M.): 3.33 cwt per acre or 11.8% (9 d.f.)

Estimated % S.E. (whole plot) measured by combine:-

3 cuts	11.8%
2 cuts	12.6%
1 cut	14.9%

Summary of Results

Grain (at 85% Dry Matter): cwt per acre

Methods of Harvesting	N: cwt per acre		Mean
	0.3	0.6	
	(±1.67)		(±1.18)
Binder	26.2	29.5	27.9
Combine	29.7	27.7	28.7
Mean (±1.18)	28.0	28.6	28.3

Mean dry matter % as weighed: Binder plots - 80.8; Combine plots - 72.3.