

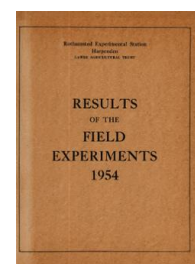
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54/R/CA/6 Wheat - Methods of Harvesting Narrow Plots

Rothamsted Research

Rothamsted Research (1955) *54/R/CA/6 Wheat - Methods of Harvesting Narrow Plots* ; Yields Of The Field Experiments 1954, pp 70 - 71 - DOI: <https://doi.org/10.23637/ERADOC-1-184>

54/Ca/6.1

WHEAT

Methods of harvesting, narrow plots and 2 levels of N - West
Barnfield II 1954.

System of replication: Plots harvested along the rows - 2 randomized
blocks of 10 plots each; Across the rows - 2 randomized blocks
of 8 plots each.

Area of each whole plot: 0.0231 acre. Areas harvested: Binder - full
area. Combine - 0.0164 acre.

Treatments: All combinations of

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

Methods of harvesting: Binder: Whole plot, or plot harvested
as half and 2 adjacent quarter plots separately. Combine:
Single cut full length of plot, single cut on half and 2
adjacent quarter plots separately, or single cut full length
of plot between blank rows.

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: Cappella. Previous crop: Wheat.

Standard errors per plot: Grain (at 85% dry matter).

Whole plot: 2.73 cwt per acre or 9.2% (16 d.f.)

Sub plot: 3.30 cwt per acre or 11.1% (14 d.f.)

54/Ca/6.2

Summary of Results

Grain (at 85% dry matter): Mean 29.8 cwt per acre

Method of Harvesting	Harvested		N: cwt per acre		Harvested as			Mean
	Along the rows	Across the rows	0.3	0.6	$\frac{1}{4}$ plots	$\frac{1}{2}$ plots	whole plots	
	(± 0.97)		(± 0.97)		(1) and (2)		(± 0.97)	(± 0.68)
Binder	30.6	27.4	30.2	27.8	27.5	29.4	29.5	29.0
Combine	31.9	28.4	28.5	31.7	30.6	30.2	29.8	30.1
Mean (± 0.68)	31.2	27.9	29.4	29.7	29.0 ⁽³⁾	29.8 ⁽³⁾	29.7	29.6

Whole plots. Harvested along the rows by Combine

N: cwt per acre		Mean
0.3	0.6	
(± 1.93)		(± 1.37)

Single cut	30.2	34.4	32.2
Area between blank rows	31.0	32.2	31.6

- (1) ± 1.17 for use in horizontal comparisons only.
- (2) ± 1.51 for use in all others
- (3) ± 0.82