

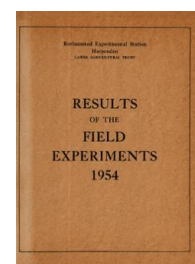
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54/R/CA/5 Wheat - Methods of Harvesting Square Plots

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.