

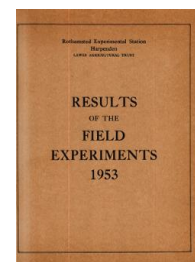
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1953

[Full Table of Content](#)



53/CA/8 Wheat - Methods of Harvesting - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CA/8 Wheat - Methods of Harvesting - Rothamsted* ; Yields Of The Field Experiments 1953, pp 78 - 78 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Ca/8

WHEAT

Methods of harvesting and levels of N - Sawyers III 1953.

System of replication: 4 randomized blocks of 9 plots each.

Area of each plot: 0.0200 acre. Area harvested: Binder - full area, combine - 0.0129 acre.

Treatments: All combinations of:-

N: None; 0.4; 0.8 cwt N per acre applied as nitrochalk.

Method of harvesting: Binder; Combine (Massey Harris 726).

Note: The experiment was originally designed to test also the N.I.A.E. combine (i.e. 3 methods in all) but this was not available. The 3 plots per block (1 at each level of N) which should have been harvested by the N.I.A.E. combine were harvested by Binder in 2 of the blocks, and by the Massey Harris 726 in the other 2 blocks: each treatment combination was therefore replicated 6 times.

Basal dressing: None.

Cultivations, etc.: Cultivated twice: Nov 7, 1952. Seed drilled at 3 bushels per acre: Nov 9. Nitrochalk applied: May 20, 1953. Sprayed with M.C.F.A.: May 21. Harvested: Binder plots - Sept 3. Combine plots - Sept 10. Variety: Cappelle. Previous crop: Potatoes.

Standard error per plot:

Grain: 2.67 cwt per acre or 8.9% (27 d.f.)

Summary of Results

Grain: cwt per acre

Method of Harvesting	N: cwt per acre			Mean
	None	0.4	0.8	
	(1) and (2)			
Binder	26.3	30.4	33.4	30.0
Combine	25.9	29.9	35.2	30.3
Mean (± 0.77)	26.1	30.2	34.3	30.2
Difference (± 1.57)	-0.4	-0.5	+1.8	+0.3 (± 0.94)

(1) ± 1.09 for use in horizontal comparisons only.

(2) ± 1.11 for use in diagonal comparisons only.