

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 1952

[Full Table of Content](#)



52/CA/3 Wheat - Residual of Dung - Rothamsted

Rothamsted Research

Rothamsted Research (1953) *52/CA/3 Wheat - Residual of Dung - Rothamsted* ; Yields Of The Field Experiments 1952, pp 73 - 73 - DOI: <https://doi.org/10.23637/ERADOC-1-178>

52/Ca/3

WHEAT

Residual effect of dung - Little Hoos 1952.

System of replication: 4 randomized blocks of 12 plots each.

Area of each plot: 0.0318 acre.

Treatments: All combinations of:-

Dung: None; 5; 10; 15 tons per acre applied to potatoes 1950-51.

Methods of application: Ploughed in, in winter (1950); ploughed in, in spring (1951); placed in ridges (1951).

Basal dressing: 3 cwt sulphate of ammonia per acre.

Cultivations, etc: Cultivated twice: Oct 11. Seed drilled at 3 bushels per acre: Oct 19. Sulphate of ammonia applied: Apr 17. Sprayed with 2 gallons D.N.O.C. plus 6 lb sulphate of ammonia per acre: Apr 30. Harvested: July 29. Variety: Nord Desprez. Previous crop: Potatoes.

Standard error per plot:

Grain: 1.94 cwt per acre or 6.9% (35 d.f.)

Summary of Results

Method of application	Dung applied to potatoes 1950-51: tons per acre				Mean
	0	5	10	15	
Grain: cwt per acre					
			(± 0.97)		(± 0.56)
Ploughed in, in winter	28.6	29.9	29.2	29.2	
Ploughed in, in spring	25.9	29.2	30.1	28.4	
Placed in ridges	28.1	28.8	30.2	29.1	
Mean (± 0.56)	25.1	27.5	29.3	29.8	27.9
Straw: cwt per acre					
Ploughed in, in winter	41.2	42.2	42.6	42.0	
Ploughed in, in spring	37.4	40.5	41.5	39.8	
Placed in ridges	39.0	40.5	43.0	40.9	
Mean	36.7	39.2	41.1	42.4	39.8