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Yields of the Field Experiments 1953

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53/CA/4 Wheat - Residual of Dung - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CA/4 Wheat - Residual of Dung - Rothamsted* ; Yields Of The Field Experiments 1953, pp 74 - 74 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Ca/4

WHEAT

Residual effect of dung - West Barnfield II 1953.

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

Area of each plot: 0.0318 acre. Area harvested: 0.0129 acre.

Treatments: All combinations of:-

Dung: None; 5; 10; 15 tons per acre applied to potatoes 1951-52.

Methods of application: Ploughed in, in winter (1951); ploughed in, in spring (1952); placed in ridges (1952).

Basal dressing: 3 cwt sulphate of ammonia per acre as top dressing in spring.

Cultivations, etc.: Cultivated: Oct 22 and again Oct 30 1952. Seed drilled at 3 bushels per acre: Nov 4. Sulphate of ammonia applied: April 24, 1953. Sprayed with M.C.P.A. low volume, 2 pints per acre: May 21. Combine harvested: Aug 21. Variety: Cappelle. Previous crop: Potatoes.

Standard error per plot:

Grain* : 5.06 cwt per acre or 12.4% (35 d.f.)

Summary of Results

Method of application	Dung applied to potatoes 1951-52: tons per acre				Mean
	None	5	10	15	
	Grain* : cwt per acre				
		(±2.53)			(±1.46)
Ploughed in, in winter	40.6	42.8	42.3	41.9	
Ploughed in, in spring	41.9	39.3	45.4	42.2	
Placed in ridges	37.7	41.4	42.8	40.6	
Mean (±1.46)	38.6	40.1	41.2	43.5	40.8

*Corrected to 85% D.M. Mean D.M.%:84.3.

N.B. For details of original experiment see "Results of the Field Experiments 1952", Section Cc/1.