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Yields of the Field Experiments 1950

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50/CA/2 Wheat - Residual of Dung - Rothamsted

Rothamsted Research

Rothamsted Research (1951) *50/CA/2 Wheat - Residual of Dung - Rothamsted* ; Yields Of The Field Experiments 1950, pp 58 - 58 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

WHEAT

Residual effect of dung - Sawyers III 1950.

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

Area of each plot: 0.0394 acre.

Treatments:

Dung: None, 5, 10, 15 tons per acre applied to potatoes 1948-9.

Methods of application: Ploughed in, in winter (1948); ploughed in, in spring (1949); placed in ridges (1949).

Basal manuring: 2 cwt sulphate of ammonia per acre.

Cultivations, etc.: Ploughed: Oct 18-24. Harrowed, seed drilled:

Nov 3. Harrowed in: Nov 4. Harrowed and tractor rolled: Mar 28.

Sulphate of ammonia applied: May 2. Sprayed with D.N.O.C: May 18.

Harvested: Aug 12. Variety: Bersee. Previous crop: Potatoes.

Standard error per plot: Grain: 2.70 cwt per acre or 10.1% (35 d.f.)

Summary of Results

Method of application	Dung applied to potatoes 1948-9: tons per acre				Mean
	0	5	10	15	
	Grain: cwt per acre				
			(+1.35)		(+0.78)
Ploughed in, in winter		25.6	27.4	27.3	26.7
Ploughed in, in spring		26.7	26.5	27.2	26.8
Placed in ridges		24.7	27.5	28.6	26.9
Mean (+0.78)	26.3	25.7	27.1	27.7	26.7
	Straw: cwt per acre				
Ploughed in, in winter		33.5	36.4	38.6	36.2
Ploughed in, in spring		35.5	34.0	39.7	36.4
Placed in ridges		33.9	36.4	39.8	36.7
Mean	34.5	34.3	35.6	39.3	35.9