

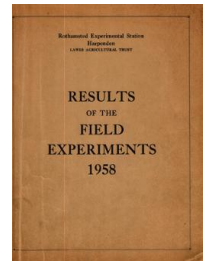
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Yields of the Field Experiments 1958

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58/R/A/3 Agdell - Grass

Rothamsted Research

Rothamsted Research (1959) *58/R/A/3 Agdell - Grass* ; Yields Of The Field Experiments 1958, pp 8 - 8 - DOI: <https://doi.org/10.23637/ERADOC-1-181>

58/A/3.2

GRASS - AGDELL 1958

Measurement of fertilizer residues

For history, treatments, etc. see "Details of the Classical and Long Term Experiments" 1956. In 1958 each plot was split into two for grass and bare fallow and manured with nitrogenous fertilizers only.

Area harvested: 0.0092 acres.

Basal dressing: None to fallow. To grass: 0.8 cwt N per acre as 'Nitro-Chalk' in spring and for each silage cut.

Cultivations, etc.: Ploughed: Nov 22, 1957. Nitrogen fertilizer applied: Apr 23, 1958. Seed sown at 60 lb per acre: Apr 24. The whole field sprayed with MCPA at 4 pints in 40 gallons per acre: May 27, and at 6 pints in 40 gallons per acre: July 8. Cut twice: July 31 and Oct 28. Nitrogenous fertilizer applied: Aug. 1. Fallow plots ploughed: Aug 8. Variety: Italian Ryegrass S22.

Summary of Results

Dry matter: cwt per acre

Manure to turnips until 1948	None since 1848		Mineral manure*		Mineral* and nitrogenous manure ⁺		Mean
	5	6	3	4	1	2	
Plot rotation	Fallow	Clover	Fallow	Clover	Fallow	Clover	
1st cut	5.1	4.2	15.3	14.3	23.4	22.4	14.1
2nd cut	29.0	27.2	30.6	29.4	30.4	30.0	29.4
Total of 2 cuts	34.1	31.4	45.9	43.7	53.8	52.4	43.5

*P, K, Na, Mg.

⁺Rape dust (or castor meal) + ammonium sulphate.

Mean dry matter % as cut, 1st cut: 20.4
2nd cut: 16.3