

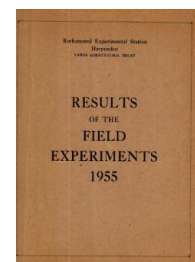
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Yields of the Field Experiments 1955

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55/R/A/6 Hoosfield Exhaustion Land - Barley

Rothamsted Research

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55/A/6

BARLEY - EXHAUSTION LAND HOOSFIELD 1955

For history, details of treatments etc., see "Results of the Field Experiments 1952", section A/6.

Cultivations, etc.: Ploughed: Sept 28, 1954. 1st dressing of ground chalk applied to acid areas: Dec 31. Ploughed: Jan 10, 1955. 2nd dressing of ground chalk applied: Mar 18. Nitrochalk applied at $3\frac{1}{2}$ cwt per acre: Mar 21. Seed drilled at 3 bushels per acre: Mar 22. Sprayed with M.C.P.A. at $2\frac{1}{2}$ pints in 40 gallons per acre: Mar 31. Parts of certain plots infested with wild oats (*Avena fatua*) cut and discarded: July 28. Harvested: Aug 15. Variety: Plumage Archer.

Note: Wild oats were pulled by hand during August from the harvested areas.

Summary of Results

Manuring to Potatoes 1876-1901*	Yields: cwt per acre	
	Grain	Straw ⁺
1 Unmanured	9.5	12.5
2 Unmanured after 6 years dung	12.4	16.6
3 Dung	27.1	28.5
4 Dung	25.3	27.0
5 Ammonium salts	11.8	14.1
6 Nitrate of soda	8.0	11.4
7 Ammonium salts and complete minerals	24.6	27.3
8 Nitrate of soda and complete minerals	22.8	24.9
9 Superphosphate	20.9	22.5
10 Complete minerals	23.9	26.7

*For certain changes see history.

⁺At 85% dry matter

Mean dry matter % as threshed, Grain: 85.4
Straw: 85.6