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Yields of the Field Experiments 1956

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

Rothamsted Research

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56/A/6

BARLEY - EXHAUSTION LAND HOOSFIELD 1956

For history, treatments etc., see "Details of the Classical and Long Term Experiments" 1956.

Cultivations, etc.: Ploughed: Sept 12 - 23, 1955 and again Nov 21. 'Nitro-Chalk' applied at $3\frac{1}{2}$ cwt per acre: Mar 26, 1956. Seed drilled at 3 bushels per acre: Apr 3. Sprayed with MCPA, at 3 pints in 40 gallons per acre: May 17. Harvested: Aug 30. Variety: Plumage Archer.

Note. The NE halves of plots 1 and 2 (by the side land) were fallowed to reduce the weed infestation. (Ploughed: Sept 23, 1955, Nov 22, May 15, 1956, Aug 23.)

Summary of Results

Manuring to potatoes 1876 - 1901*	Yields (at 85% dry matter): cwt per acre	
	Grain	Straw
1 Unmanured	8.7	11.1
2 Unmanured after dung 1876 - 81	11.5	12.8
3 Dung	20.7	21.3
4 Dung	20.8	20.7
5 Ammonium salts	9.4	11.8
6 Nitrate of soda	9.8	12.4
7 Ammonium salts and complete minerals	22.1	22.1
8 Nitrate of soda and complete minerals	21.1	19.3
9 Superphosphate	22.4	22.4
10 Complete minerals	23.9	25.7
*For certain changes see history.		
Mean dry matter % as threshed:	80.4	79.2