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Yields of the Field Experiments 1960

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

Rothamsted Research

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60/A/6

BARLEY - EXHAUSTION LAND HOOSFIELD 1960

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

Basal dressing: 0.5 cwt N per acre as sulphate of ammonia.

Cultivations, etc.: Sprayed with dalapon at 8 lb in 20 gallons per acre: Aug 26, 1959. Sprayed with dalapon at 4 lb in 40 gallons per acre: Sept 2. Ground chalk applied to plot 2 at 21 cwt per acre: Sept 7. Ploughed: Nov 17. Sulphate of ammonia applied: Mar 7, 1960. Seed drilled at $2\frac{3}{4}$ bushels per acre: Mar 17. Sprayed with CMFP at 6 pints in 40 gallons per acre: May 25. Combine harvested: Sept 6. Variety: Plumage Archer.

Summary of Results

Barley

Yields (at 85% dry matter): cwt per acre

Plots not cross cropped in 1957 and 1958 and combine harvested in 1959

Plot. Manuring to potatoes 1876 - 1901*	Grain	Straw
2 Unmanured after dung 1876 - 81	17.0	10.7
4 Dung	24.8	15.0
6 Nitrate of soda	16.2	10.0
8 Nitrate of soda and complete minerals	19.7	13.4
10 Complete minerals	21.6	13.8

Plots cross cropped in 1957 and 1958 and combine harvested in 1959

Plot. Manuring to potatoes 1876 - 1901*	Grain	Straw
1 Unmanured	19.0	12.4
3 Dung	24.6	17.2
5 Ammonium salts	17.6	11.3
7 Ammonium salts and complete minerals	20.3	14.0
9 Superphosphate	20.4	12.9
Mean dry matter % as harvested:	77.6	88.9

*For certain changes see history.