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Yields of the Field Experiments 1963

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63/R/EX/A/7 Hoosfield Exhaustion Land - Barley

Rothamsted Research

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63/A/7

BARLEY - EXHAUSTION LAND HOOSFIELD 1963

(EX)

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

The 'Nitro-Chalk' was combine drilled.

Cultivations, etc.: Sprayed with dalapon at 7.4 lb in 40 gallons per acre: Sept 27, 1962 and again at 3.7 lb in 40 gallons per acre: Oct 16. Ploughed: Mar 27, 1963. Seed combine drilled at 2 bushels per acre: Apr 8. Sprayed with TBA/MCPA at 4 pints in 40 gallons per acre: June 11. Combine harvested: Sept 5. Variety: Proctor.

Summary of Results

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

Plot	Manuring to potatoes 1876 - 1901*	Grain	Straw
1	Unmanured	18.8	11.4
2	Unmanured after dung 1876 - 81	14.2	9.5
3	Dung	26.9	18.7
4	Dung	25.1	16.8
5	Ammonium salts	13.8	9.4
6	Nitrate of soda	13.7	9.1
7	Ammonium salts and complete minerals	24.9	18.3
8	Nitrate of soda and complete minerals	20.7	14.2
9	Superphosphate	25.6	17.8
10	Complete minerals	23.8	17.5
Mean dry matter % as harvested		72.0	70.1

*For certain changes see history.