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Yields of the Field Experiments 1949

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49/A/6 Hoosfield - Exhaustion Land

49/A/6 *Hoosfield - Exhaustion Land*, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 11 - 11

49/A/6

BARLEY - EXHAUSTION LAND HOOSFIELD 1949

For history of this land see 1949 Station Report, pp.97-8

Cultivations, etc.: Ploughed: Jan 3-10. Springtined: Mar 22.
 Drilled: Mar 23. Sulphate of ammonia applied, harrowed
 in: Mar 24. Rolled: Apr 1. Harvested: Aug 9. Variety:
 Plumage Archer.

Basal Manuring: $2\frac{1}{2}$ cwt sulphate of ammonia per acre.

Plot	Treatment for potatoes 1876-1901	Total Grain cwt per acre	Total straw cwt per acre
1	Unmanured	7.6	8.3
2	Dung 1876 - 82	10.0	12.5
3	Superphosphate and Dung	26.8	28.9
4	Superphosphate ⁽¹⁾ Nitrate of Soda ⁽²⁾ and Dung	25.9	28.8
5	Ammonium Salts	8.7	11.9
6	Nitrate of Soda	13.0	15.9
7	Minerals and Ammonium Salts	23.0	21.8
8	Minerals (as in 7) and Nitrate of Soda	27.9	25.0
9	Superphosphate	23.4	22.6
10	Minerals (as in 7)	27.0	29.7

(1) 1876-82

(2) 1876-81

Note: On plots 1, 5, 7, 10 the manuring dates back to 1856,
 the plots being under Wheat from 1856-74.

Rates of application of manures, per acre: Dung, 14 tons.
 Superphosphate, $3\frac{1}{2}$ cwt. Nitrate of soda, 550 lb.
 Ammonium Salts, 400 lb. Minerals consist of Superphosphate,
 $3\frac{1}{2}$ cwt; sulphate of potash, 300 lb.; sulphate of soda,
 100 lb.; sulphate of magnesia, 100 lb.