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72/R/EX/4 Exhaustion Land - Barley

Rothamsted Research

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72/R/EX/4

EXHAUSTION LAND

Object: To study the residual effects of manures, applied 1856-1901, on the yield of continuous barley - Hoosfield.

The 117th year, barley.

For previous years see 'Details' 1967, 68/A/7 and 69-71/R/EX/4.

Area harvested: 0.03000.

Seed: Julia, dressed with ethirimol, sown at 1.6 kg.

Cultivations, etc.: Sprayed with aminotriazole at 4.5 kg and ammonium thiocyanate at 4.1 kg in 220 1: 10 Sept, 1971.
Ploughed: 8 Nov. Seed combine drilled: 16 Mar, 1972.
Sprayed with MCPA, mecoprop and dicamba ('Banlene Plus' at 5.6 l in 220 1): 18 May. Combine harvested: 23 Aug.

TABLE OF MEANS

Plot	1876 - 1901	GRAIN:	STRAW:
		TONNES/HECTARE	TONNES/HECTARE
1	-	2.54	1.55
2	-	3.17	1.76
3	D	5.80	3.57
4	D	5.06	3.57
5	N	3.04	1.58
6	N*	2.76	1.83
7	N PKNa Mg	5.39	3.49
8	N* PKNa Mg	4.71	3.19
9	P	4.92	3.03
10	PKNa Mg	5.35	3.49
Mean		4.27	2.71
Mean D.M. %:		84.3	90.6