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Yields of the Field Experiments 1971

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71/R/EX/4 Exhaustion Land - Barley

Rothamsted Research

Rothamsted Research (1972) *71/R/EX/4 Exhaustion Land - Barley* ; Yields Of The Field Experiments 1971, pp 22 - 22 - DOI: <https://doi.org/10.23637/ERADOC-1-97>

71/R/EX/4

EXHAUSTION LAND

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

The 116th year, barley.

For previous years see 'Details' 1967, 68/A/7 and 69-70/R/EX/4.

Area harvested: 0.03000.

Cultivations, etc.: Ploughed: 9 Sept, 1970. Seed combine drilled at 157 kg: 25 Feb, 1971. Sprayed with ioxynil octanoate, bromoxynil octanoate and the iso-octyl ester of dichlorprop ('Oxytril P' at 1.4 l in 225 l): 11 May. Combine harvested: 17 Aug. Variety: Julia.

SUMMARY OF RESULTS

Plot	1876 - 1901	TONNES/HECTARE	
		GRAIN	STRAW
1	-	1.72	0.69
2	-	1.84	1.14
3	D	4.69	2.97
4	D	4.69	2.98
5	N	1.89	0.99
6	N*	1.87	1.34
7	N PKNa Mg	4.05	2.60
8	N* PKNa Mg	4.18	2.62
9	P	3.56	2.58
10	PKNa Mg	4.45	2.83
Mean		3.29	2.07
Mean D.M. %:		83.8	87.7