

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1957

[Full Table of Content](#)



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

Rothamsted Research

Rothamsted Research (1958) *57/R/A/6 Hoosfield Exhaustion Land - Barley* ; Yields Of The Field Experiments 1957, pp 12 - 12 - DOI: <https://doi.org/10.23637/ERADOC-1-177>

57/A/6

BARLEY - EXHAUSTION LAND HOOSFIELD 1957

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

In 1957 the eastern halves of all strips - plots 1, 3, 5, 7, 9 - were cropped separately under a modified scheme of multiple cropping to test levels of P and K manuring. The yields from these plots will be given in the 1958 report.

On the western halves - plots 2, 4, 6, 8, 10 - the land was bare-fallowed except for a 90 link length on each plot which was sown to barley.

Cultivations, etc.:

Cropped section. Ploughed: Sept 26 - 27, 1956. Seed drilled at $2\frac{3}{4}$ bushels per acre: Mar 21, 1957. Harvested: Aug 21. Variety: Plumage Archer.

Fallowed section. Ploughed: Sept 26 - 27, 1956, June 26, 1957 and Aug 21. Sprayed with TCA at 20 lb in 80 gallons per acre: May 4 and again on June 7.

Note. The grain was damaged by mice during storage, particularly that from plot 2.

Summary of Results

Manuring to potatoes 1876 - 1901*	Yields (at 85% dry matter): cwt per acre	
	Grain	Straw
2 Unmanured after dung 1876 - 81	8.7	7.3
4 Dung	20.0	9.4
6 Nitrate of soda	17.5	6.8
8 Nitrate of soda and complete minerals	17.6	10.2
10 Complete minerals	25.6	14.3
Mean dry matter % as threshed:	83.4	83.8

*For certain changes see history.