

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 1955

[Full Table of Content](#)



---

### 55/R/A/2 Hoosfield - Barley

#### Rothamsted Research

Rothamsted Research (1956) *55/R/A/2 Hoosfield - Barley*; Yields Of The Field Experiments 1955, pp 7 - 8 - DOI: <https://doi.org/10.23637/ERADOC-1-175>

55/A/2.1

BARLEY - HOOSFIELD 1955

The 104th year

For history, details of treatments, etc., see "Results of the Field Experiments" 1939-47, Vol. I, Section A/2.

In the autumn of 1954 a system of chalking was started as follows:- strips 3 and 4, including plots 50 and 5A, receive a dressing of 5 tons of calcium carbonate per acre as ground chalk in 1954-55 only. Plots receiving ammonium sulphate or castor meal have a compensating dressing of ground chalk at the following rates: 100 lb calcium carbonate for each 14 lb of N applied as ammonium sulphate; 50 lb calcium carbonate for each 14 lb of N given as castor meal. The compensating dressings, at five times the annual rate, are given once every five years commencing 1955.

Cultivations, etc.: Ploughed: Sept 27, 1954. Part of ground chalk applied to strips 3 and 4: Nov 6-18. Dung applied: Nov 15. Ploughed: Dec 27. Remainder of ground chalk applied to strips 3 and 4, and compensating dressing applied to series A and C: Mar 17, 1955. Fertilizers applied: Apr 5. Seed drilled at 3 bushels per acre: Apr 7. Sprayed with 8 lb D.N.C. (active substance) in 80 gallons per acre: May 24. Cut and discarded areas of plots in series N, AA, AAS, C and plots 5A and 50, leaving 16 rows per plot: July 25. Harvested: Aug 18. Variety: Plumage Archer.

55/A/2.2

Summary of Results

Plot		Grain (at 85% dry matter): cwt per acre	Straw (at 85% dry matter): cwt per acre
1	O	4.4	4.5
2	O	9.1	7.6
3	O	4.2	4.8
4	O	7.3	6.9
5	O	4.0	4.8
1	A	7.0	7.9
2	A	21.5	19.4
3	A	8.4	10.1
4	A	16.0	15.0
5	A	19.0	19.9
1	AA	9.9	10.2
2	AA	25.0	23.8
3	AA	7.6	8.5
4	AA	22.4	22.6
1	AAS	10.5	10.6
2	AAS	25.0	22.6
3	AAS	15.6	16.9
4	AAS	26.7	24.3
1	C	15.2	14.5
2	C	20.1	18.1
3	C	11.8	10.5
4	C	17.7	16.0
7	- 1	10.1	9.2
7	- 2	27.7	25.4
6	- 1	4.6	5.0
6	- 2	8.0	7.5
1	N	10.6	11.1
2	N	17.1	14.5
Mean dry matter %:		84.9	84.3