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Yields of the Field Experiments 1955

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55/R/A/2 Hoosfield - Barley

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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