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## Yields of the Field Experiments 1964

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### 64/R/HB/A/2 Hoosfield - Barley

#### Rothamsted Research

Rothamsted Research (1965) *64/R/HB/A/2 Hoosfield - Barley* ; Yields Of The Field Experiments 1964, pp 17 - 18 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/A/2.1

BARLEY - HOOSFIELD 1964

(HB)

For history, treatments, etc. see 'Details' 1962.

The plots are now split lengthways for a comparison of 2 varieties - Plumage Archer (PA) and Maris Badger (MB). For Maris Badger the rates of application of sulphate of ammonia, nitrate of soda and castor meal are doubled (each supplying 86 lb N). Rates of application of other fertilisers and dung are unchanged.

Cultivations, etc.: Sprayed with dalapon (Dowpon at 8 lb in 40 gals): Oct 7, 1963 and again (at 4 lb in 40 gals): Oct 21. Dung applied: Nov 2. Ploughed: Nov 4. Fertilisers applied: Apr 9, 1964. Seed drilled at 2.75 bushels: Apr 10. Sprayed with mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals): May 28. Combine harvested: Aug 31.

64/A/2.2

SUMMARY OF RESULTS

Plot	GRAIN			STRAW		
	PA	MB	Mean	PA	MB	Mean
1 O	5.3	7.4	6.4	2.2	2.5	2.4
2 O	9.1	11.3	10.2	3.8	4.5	4.2
3 O	7.8	8.0	7.9	4.1	2.5	3.3
4 O	10.9	10.8	10.9	4.6	2.8	3.7
5 O	10.4	10.2	10.3	6.1	5.6	5.9
1 A	7.5	11.5	9.5	5.1	5.9	5.5
2 A	17.4	24.4	20.9	10.6	16.0	13.3
3 A	15.3	24.9	20.1	10.6	12.9	11.8
4 A	24.2	37.6	30.9	14.5	22.3	18.4
5 A	24.6	36.5	30.6	18.9	25.7	22.3
1 AA	7.8	10.4	9.1	6.3	8.2	7.3
2 AA	20.1	28.7	24.4	14.5	20.2	17.4
3 AA	13.0	21.9	17.5	10.2	13.7	12.0
4 AA	21.3	40.0	30.7	14.4	28.0	21.2
1 AAS	18.4	18.4	18.4	12.4	14.1	13.3
2 AAS	24.6	28.7	26.7	16.1	20.2	18.2
3 AAS	18.4	31.3	24.9	12.0	19.6	15.8
4 AAS	24.9	37.5	31.2	19.1	26.4	22.8
1 C	19.6	31.6	25.6	10.9	16.1	13.5
2 C	21.3	38.1	29.7	12.8	22.9	17.9
3 C	21.3	37.4	29.4	12.9	22.6	17.8
4 C	23.8	38.8	31.3	16.2	23.8	20.0
7 - 1	11.3	7.6	9.5	5.1	3.2	4.2
7 - 2	33.2	37.0	35.1	22.0	22.9	22.5
6 - 1	4.9	4.4	4.7	2.5	1.6	2.1
6 - 2	6.6	5.1	5.9	3.9	2.2	3.1
1 N	6.0	4.0	5.0	5.3	7.4	6.5
2 N	11.2	17.4	14.3	8.0	11.4	9.7
Mean	15.7	22.2	18.9	10.2	13.8	12.0
Mean D.M.%:	87.4			89.4		