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Yields of the Field Experiments 1965

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65/R/HB/A/2 Hoosfield - Barley

Rothamsted Research

Rothamsted Research (1966) *65/R/HB/A/2 Hoosfield - Barley* ; Yields Of The Field Experiments 1965, pp 15 - 16 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/A/2.1

BARLEY - HOOSFIELD 1965

(HB)

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

The appearance of the crop in early May indicated that plot 4AAS had not received seedbed nitrogen and that plot 4AA had received a double dressing in error. Plot 4AAS was therefore top-dressed with the correct dressing on May 20.

Cultivations, etc.: Quinquennial chalk supplement applied to series A, C and plot 5A: Sept 26, 1964. Dung applied, all plots ploughed: Nov 3. Fertilisers applied, seed drilled at 160 lb: Apr 1, 1965. Sprayed with mecoprop/2,4-D (Methoxone Extra at 6 pints in 34 gals): May 14. Nitrate of soda applied to plot 4AAS: May 20. Combine harvested: Sept 9.

NOTE: Estimates of eyespot (*Cercospora herpotrichoides*) and take-all (*Ophiobolus graminis*) were made.

Errata to 'Details' 1962, p.12 Hoosfield Barley.

Treatment

Treatment for 3AA should read N' K Na Mg.
Treatment for 4AA should read N' PK Na Mg.

Means 1852 - 1962

Substitute the following values for those printed:

| Plot | Grain | Straw |
|------|-------|-------|
| 5.0 | 8.8 | 10.1 |
| 1AA | 12.4 | |
| 2AA | 19.9 | |
| 3AA | 13.0 | |
| 4AA | 19.6 | |
| 1AAS | 15.5 | |
| 2AAS | 20.6 | |
| 3AAS | 16.2 | |
| 4AAS | 21.1 | |
| 1N | 14.2 | |
| 2N | 16.5 | 19.6 |

65/A/2.2

SUMMARY OF RESULTS

| Plot | GRAIN | | | STRAW | | |
|--------------|-------|------|------|-------|------|------|
| | PA | MB | Mean | PA | MB | Mean |
| 1 O | 9.1 | 7.4 | 8.2 | 6.5 | 2.9 | 4.7 |
| 2 O | 11.6 | 11.3 | 11.4 | 6.8 | 4.8 | 5.8 |
| 3 O | 10.6 | 8.9 | 9.8 | 7.4 | 6.3 | 6.9 |
| 4 O | 14.3 | 10.5 | 12.4 | 9.7 | 5.2 | 7.5 |
| 5 O | 13.9 | 9.2 | 11.6 | 10.0 | 7.1 | 8.6 |
| 1 A | 12.5 | 14.4 | 13.5 | 10.1 | 9.7 | 9.9 |
| 2 A | 23.2 | 27.7 | 25.5 | 17.2 | 26.1 | 21.7 |
| 3 A | 18.9 | 27.2 | 23.1 | 18.4 | 24.8 | 21.6 |
| 4 A | 27.0 | 38.5 | 32.8 | 21.8 | 33.2 | 27.5 |
| 5 A | 31.0 | 37.5 | 34.2 | 31.2 | 39.9 | 35.5 |
| 1 AA | 13.0 | 12.2 | 12.6 | 11.8 | 12.4 | 12.1 |
| 2 AA | 26.6 | 34.1 | 30.4 | 24.5 | 36.6 | 30.5 |
| 3 AA | 16.8 | 21.9 | 19.3 | 19.5 | 22.6 | 21.1 |
| 4 AA | 29.8 | 35.1 | 32.4 | 30.7 | 52.6 | 41.6 |
| 1 AAS | 20.1 | 18.6 | 19.3 | 19.7 | 17.1 | 18.1 |
| 2 AAS | 23.9 | 30.6 | 27.2 | 20.9 | 28.6 | 24.8 |
| 3 AAS | 23.2 | 32.6 | 27.9 | 24.6 | 33.8 | 29.2 |
| 4 AAS | 31.2 | 35.3 | 33.3 | 28.1 | 40.3 | 34.2 |
| 1 C | 22.2 | 32.7 | 27.5 | 18.1 | 21.5 | 19.8 |
| 2 C | 25.5 | 37.3 | 31.4 | 19.6 | 28.2 | 23.9 |
| 3 C | 23.9 | 36.5 | 30.2 | 19.0 | 27.1 | 23.0 |
| 4 C | 29.5 | 35.3 | 32.4 | 24.6 | 29.3 | 26.9 |
| 7 - 1 | 16.5 | 11.5 | 14.0 | 11.7 | 8.6 | 10.1 |
| 7 - 2 | 36.7 | 44.9 | 40.8 | 38.6 | 42.8 | 40.7 |
| 6 - 1 | 9.8 | 7.2 | 8.5 | 6.6 | 5.0 | 5.8 |
| 6 - 2 | 12.9 | 7.7 | 10.3 | 7.6 | 5.6 | 6.6 |
| 1 N | 13.3 | 9.7 | 11.5 | 19.2 | 23.7 | 21.4 |
| 2 N | 23.8 | 29.3 | 26.5 | 21.9 | 28.0 | 24.9 |
| Mean | 20.4 | 23.8 | 22.1 | 18.0 | 22.3 | 20.2 |
| Mean D.M. %: | | 72.8 | | | 79.1 | |