

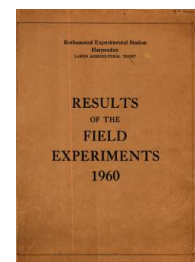
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Yields of the Field Experiments 1960

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60/R/A/2 Hoosfield - Barley

Rothamsted Research

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60/A/2.1

BARLEY - HOOSFIELD 1960

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

Note:

In 1960 on strips 1, 2, 3 and 4 the number of row spaces was reduced from 98 to 96 and yields estimated from 4 combine cuts per plot. On strip 6 there were 72 row spaces instead of 74 and yields estimated from 3 combine cuts per plot. On strip 7 yields were estimated from 2 combine cuts per plot. Manures were applied to the full plot areas as hitherto.

On plots showing an uneven growth, straw weights were recorded for all cuts; on the remainder one weight only was taken from a cut chosen at random.

Cultivations, etc.: Sprayed part of plots 5A, 4C, 5.0 with dalapon at 8 lb in 20 gallons per acre: Aug 26, 1959. All plots sprayed with 2,4-D ester at $1\frac{3}{4}$ pints in 40 gallons per acre: Aug 27. Quinquennial chalk supplement applied to series A, C and plot 5A; resprayed part of plots 5A, 4C, 5.0 with dalapon at 4 lb in 40 gallons per acre: Sept 7. Dung applied, ploughed: ~~Mar~~^{Nov} 20. Fertilisers applied: Apr 4, 1960. Seed drilled at $2\frac{3}{4}$ bushels per acre: Apr 7. Strips 1, 2 and 3 sprayed with MCPA at $6\frac{1}{2}$ pints (30% potassium salt) in 40 gallons per acre; and strips 6 and 7 sprayed with CMPP at 6 pints in 40 gallons per acre: May 24. Combined: Sept 5. Variety: Plumage Archer.

60/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 | 8.6 | 3.8 |
| 2 O | 10.5 | 3.8 |
| 3 O | 9.8 | 4.5 |
| 4 O | 12.9 | 7.1 |
| 5 O | 12.0 | 8.0 |
| 1 A | 10.8 | 5.2 |
| 2 A | 12.2 | 6.9 |
| 3 A | 12.9 | 9.6 |
| 4 A | 19.1 | 12.7 |
| 5 A | 20.4 | 14.6 |
| 1 AA | 12.7 | 7.4 |
| 2 AA | 17.5 | 11.1 |
| 3 AA | 14.2 | 10.8 |
| 4 AA | 18.4 | 12.8 |
| 1 AAS | 19.9 | 10.6 |
| 2 AAS | 22.5 | 11.6 |
| 3 AAS | 20.0 | 14.8 |
| 4 AAS | 26.5 | 19.1 |
| 1 C | 17.4 | 7.4 |
| 2 C | 19.1 | 6.9 |
| 3 C | 18.2 | 10.4 |
| 4 C | 22.0 | 13.6 |
| 7 - 1 | 16.4 | 10.8 |
| 7 - 2 | 31.7 | 20.1 |
| 6 - 1 | 10.1 | 9.4 |
| 6 - 2 | 10.8 | 6.2 |
| 1 N | 11.4 | 6.6 |
| 2 N | 14.7 | 8.5 |
| Mean dry matter % as harvested | 77.6 | 79.8 |