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# Yields of the Field Experiments 1952

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## 52/A/2 Hoosfield - Barley - Rothamsted

### Rothamsted Research

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52/A/2

# BARLEY - HOOSFIELD 1952

The 101st year

For history, details of treatments etc. see "Results of Field Experiments 1939-47".

Cultivations, etc.: Ploughed: Sept 21, 1951. Dung applied: Dec 18, Ploughed: Dec 19. Fertilizers applied: Feb 27, 1952. Seed drilled at 3 bushels per acre: Feb 29. Sprayed with D.N.O.C. 1 gallon per acre: May 9. Harvested: Aug 1. Variety: Plumage Archer.

Note: Owing to a very heavy infestation by Wild Oats (*Avena Fatua*); the major part of each plot was cut and carted green before the oats ripened. The remainder (generally 1/25 - 1/50 acre) was left to ripen, and the yields shown are measured from these small areas.

## Summary of Results

| Plot  | Grain:<br>cwt per acre | Straw:<br>cwt per acre |
|-------|------------------------|------------------------|
| 1 C   | 6.8                    | 9.1                    |
| 2 O   | 12.2                   | 8.7                    |
| 3 O   | 6.7                    | 10.7                   |
| 4 O   | 11.9                   | 12.3                   |
| 5 O   | 3.0                    | 5.8                    |
| 1 A   | 13.5                   | 18.5                   |
| 2 A   | 19.3                   | 28.2                   |
| 3 A   | 13.1                   | 19.5                   |
| 4 A   | 12.2                   | 17.6                   |
| 5 A   | 16.1                   | 28.2                   |
| 1 AA  | 13.0                   | 20.5                   |
| 2 AA  | 15.6                   | 35.9                   |
| 3 AA  | 11.9                   | 25.3                   |
| 4 AA  | 16.2                   | 22.8                   |
| 1 AAS | 14.9                   | 25.7                   |
| 2 AAS | 21.5                   | 37.0                   |
| 3 AAS | 9.9                    | 27.1                   |
| 4 AAS | 19.6                   | 23.9                   |
| 1 C   | 11.9                   | 27.5                   |
| 2 C   | 16.8                   | 20.8                   |
| 3 C   | 8.5                    | 10.5                   |
| 4 C   | 17.0                   | 20.3                   |
| 7 - 1 | 6.3                    | 11.2                   |
| 7 - 2 | 18.0                   | 20.1                   |
| 6 - 1 | 5.2                    | 5.7                    |
| 6 - 2 | 6.9                    | 7.5                    |
| 1 N   | 10.3                   | 24.5                   |
| 2 N   | 15.8                   | 25.0                   |