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Yields of the Field Experiments 1953

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53/A/3 Agdell - Rotation - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/A/3 Agdell - Rotation - Rothamsted* ; Yields Of The Field Experiments 1953, pp 6 - 6 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/A/3

WHEAT AFTER FALLOW - HOOSFIELD 1953

Without manure 1851 and since

For history, details of treatments etc. see "Results of the Field Experiments 1939-47", Vol. I, Section A/3.

Cultivations, etc.:

Cropped plots. Ploughed: Sept 6, 1952. Seed drilled at 3 bushels per acre: Oct 27. Harvested: Aug 20, 1953. Variety: Squareheads Master 13/4.

Fallow plots. Ploughed: Sept 6, 1952 and Sept 3, 1953.

Summary of Results

| Plot No. of years of fallow | Mean yields: cwt per acre | | | Mean |
|-----------------------------------|---------------------------|----------------|----------------|------|
| | B ₂ | B ₃ | B ₄ | |
| | 1 | 1 | 3 | |
| Grain | 18.7 | 8.3 | 13.7 | 13.6 |
| Straw | 24.9 | 14.5 | 23.6 | 21.0 |

CROPS IN ROTATION - AGDELL 1953

Barley - 2nd crop of 27th course 1952-55

For history, details of treatments etc. see "Results of the Field Experiments 1939-47", Vol. I, Section A/4.

Cultivations, etc.: Ploughed: Sept 5, 1952, Seed drilled at 3 bushels per acre: Mar 2, 1953. Sprayed with MCPA, 2 pints per acre: May 26. Harvested: Aug 28. Variety: Plumage Archer.

Note: No turnips were grown and no manures were applied in 1952, the plots being fallowed.

Summary of Results

| Manure to Turnips 1948 | Mean yields: cwt per acre | | | | | |
|---------------------------|---------------------------|--------|-------------------------------|--------|---|--------|
| | None since 1848 | | Mineral manure No nitrogen | | Complete mineral and nitrogenous manure | |
| | Fallow | Clover | Fallow | Clover | Fallow | Clover |
| Rotation Plot | 5 | 6 | 3 | 4 | 1 | 2 |
| Grain | 5.7 | 11.1 | 7.6 | 16.2 | 3.6 | 5.0 |
| Straw | 5.8 | 11.5 | 8.3 | 16.4 | 4.8 | 8.9 |