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ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1951

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## Contents 1951

### Rothamsted Research

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Rothamsted Experimental Station

Harpenden

Lawes Agricultural Trust

RESULTS

of the

FIELD

EXPERIMENTS

1951

The summaries given in this report are similar to those contained in the appendices to the Annual Reports of the Station before the war. This year's report includes only experiments conducted at Rothamsted and Woburn. The design and supervision of these experiments are the responsibility of the Field Plots Committee (present members: E.M. Crowther (Chairman), H.V. Garner (Secretary), H.H. Mann, J.R. Moffatt, D.J. Watson, F. Yates).

Price: 5/-

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Classical Experiments

|            |                          |     |
|------------|--------------------------|-----|
| Broadbalk  | Wheat                    | A/1 |
| Hoosfield  | Barley                   | A/2 |
| Hoosfield  | Wheat after fallow       | A/3 |
| Agdell     | Rotation                 | A/3 |
| Barnfield  | Mangolds and sugar beet  | A/4 |
| Park Grass | Hay                      | A/5 |
| Hoosfield  | Barley - Exhaustion Land | A/6 |
| Woburn     | Permanent Wheat          | A/7 |
| Woburn     | Permanent Barley         | A/8 |

Long Term Experiments

|                           |                       |      |
|---------------------------|-----------------------|------|
| 3-Course Rotation         | Rothamsted            | Ba/1 |
| 4-Course "                | "                     | Ba/2 |
| 6-Course "                | Rothamsted and Woburn | Ba/3 |
| Deep Cultivation Rotation | Rothamsted            | Bb/1 |
| Ley and Arable Rotations  | "                     | Bc/1 |
| Green Manuring            | Woburn                | Bd/1 |
| Ley and Arable Rotations  | "                     | Be/1 |
| Market Garden             | "                     | Bf/1 |
| Irrigation                | "                     | Bg/1 |

Short Term Experiments\*

|                       |                              |      |
|-----------------------|------------------------------|------|
| Wheat                 | Control of Eyespot rotation  | Ca/1 |
| Wheat                 | Control of Wireworm (1)      | Ca/2 |
| Wheat                 | Control of Wireworm (2)      | Ca/3 |
| Wheat                 | Control of Powdery Mildew    | Ca/4 |
| Wheat                 | Late application of nitrogen | Ca/5 |
| Barley                | " " " " "                    | Cb/1 |
| Spring Oats           | " " " " "                    | Cc/1 |
| Spring Beans          | Fertilizer placement         | Cd/1 |
| Winter Beans          | " " " "                      | Cd/2 |
| Winter Beans          | " " " " (Contact)            | Cd/3 |
| Potatoes              | Application of dung          | Ce/1 |
| Potatoes              | Methods of planting          | Ce/2 |
| Potatoes              | Fertilizer placement         | Ce/3 |
| Potatoes              | Nitrophosphates              | Ce/4 |
| Kale                  | Fertilizer placement         | Cf/1 |
| Lucerne               | " " " "                      | Cg/1 |
| Lucerne-Cocksfoot Ley | " " " "                      | Cg/2 |
| Permanent Grass       | " " " "                      | Ch/1 |
| Permanent Grass       | Nitrophosphates              | Ch/2 |
| Sugar Beet            | Control of Virus Yellows     | Ci/1 |

Miscellaneous Data

|                              |                       |     |
|------------------------------|-----------------------|-----|
| Chemical Analyses of Manures |                       | E/1 |
| Meteorological Records       | Rothamsted and Woburn | E/2 |

\* At Rothamsted