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ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1950

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Contents 1950

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Rothamsted Experimental Station

Harpenden

Lawes Agricultural Trust

RESULTS
of the
FIELD
EXPERIMENTS

1950

The summaries given in this report are similar to those contained in the appendices to the Annual Reports of the Station before the war. With one or two special exceptions only experiments conducted at Rothamsted and Woburn are included. 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).

Reports covering the war years are being prepared.

Note. In the reports of the Classical and Long Term Experiments, reference is made to an Appendix for details of rotations, treatments etc. For convenience it has now been decided to issue this Appendix separately; the relevant details may also be found in the references given in the 1949 reports.

Price: 5/-

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Classicals

| | | |
|------------|-------------------------|-----|
| 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 | Exhaustion Land | A/6 |
| Woburn | Permanent Wheat | A/7 |
| Woburn | Permanent Barley | A/7 |

Long Term Experiments

| | | |
|---------------------------|-----------------------|------|
| 2-Course Rotation | Rothamsted | Ba/1 |
| 3-Course " | " | Ba/2 |
| 4-Course " | " | Ba/3 |
| 6-Course " | Rothamsted and Woburn | Ba/4 |
| 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 | " 1st crops | Bf/1 |
| Market Garden | " 2nd crops | Bf/2 |

Short Term Experiments

| | | | |
|-----------------|------------------------------|-----------------------|------|
| Wheat | Eyespot | Rothamsted | Ca/1 |
| Wheat | Residual of dung | " | Ca/2 |
| Wheat | Wireworm 1 | " | Ca/3 |
| Wheat | Wireworm 2 | " | 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 |
| Potatoes | Application of dung | " | Ce/1 |
| Potatoes | Time of Planting | " | Ce/2 |
| Potatoes | Method of planting | Rothamsted and Woburn | Ce/3 |
| Kale | Fertilizer placement | Rothamsted | Cf/1 |
| Lucerne | " " | " | Cg/1 |
| Permanent grass | " " | " | Ch/1 |

Outside Experiments

| | | | |
|------------|------------|----------|------|
| Sugar Beet | Irrigation | Kesgrave | Da/1 |
|------------|------------|----------|------|

Miscellaneous Data

| | | |
|------------------------------|------------|-----|
| Chemical Analyses of Manures | | E/1 |
| Meteorological Readings | Rothamsted | E/2 |