

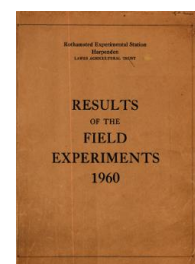
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ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1960

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Contents 1960

Rothamsted Research

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Rothamsted Experimental Station

Harpenden

Lawes Agricultural Trust

RESULTS

of the

FIELD

EXPERIMENTS

1960

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: F. Yates (Chairman), G.V. Dyke, (Secretary), G. W. Cooke, H. V. Garner, P.H. Gregory, J.R. Moffatt, C.A. Thorold, R.G. Warren, D.J. Watson).

Price: 5/-

Index 1960

Classical Experiments*

Broadbalk	Wheat	A/1
Hoosfield	Barley	A/2
Hoosfield	Wheat after fallow	A/3
Agdell	Grass and multiple crops	A/4
Park Grass	Hay	A/5
Hoosfield Exhaustion Land	Barley	A/6
Rothamsted Garden	Clover	A/7
Stackyard Woburn	Wheat and barley and microplots	A/8

Long Term Experiments

6-Course Rotation	Rothamsted and Woburn	B/1
Ley and Arable Rotations	Rothamsted	B/2
Reference Plots	Rothamsted and Woburn	B/3
Green Manuring	Woburn	B/4
Ley and Arable Rotations	Woburn	B/5
Market Garden Soil	Woburn	B/6
Irrigation	Woburn	B/7
Concentrated Fertiliser		
Rotation	Rothamsted	B/8
Residual Phosphate		
Rotations	Rothamsted	B/9
N Levels and Residues		
Rotation	Rothamsted	B/10
Triazine Weedkiller		
Rotations	Rothamsted and Woburn	B/11

Short Term Experiments*

Winter wheat	Sowing dates, seed rates and N (after non-cereal crop)	Ca/1
Winter wheat	Sowing dates, seed rates and N (after cereal crop)	Ca/2
Winter wheat	Row spacing, seed rates and N	Ca/3
Winter wheat	Clover and grass leys and N	Ca/4
Winter wheat	Standard and precision drill	Ca/5
Spring wheat	Forms and application of N	Ca/6
Spring wheat	Combine drilling of N - Rothamsted and Woburn	Ca/7
Barley	N and residual N fertilisers	Cb/1
Barley	Green manures and N	Cb/2
Barley	Forms and application of N - Woburn	Cb/3
Spring oats	Frit fly study (sowing dates)	Cc/1
Spring oats	Trap cropping of eelworm - Woburn	Cc/2
Cereals and beans	Rotations	Cd/1
Wheat, barley and multiple crops	Residuals of weedkillers - Rothamsted and Woburn	Cd/2
Spring beans	Control of aphids (seed rates and spraying) - Rothamsted and Woburn	Ce/1

*At Rothamsted unless otherwise stated.

Index 1960 (contd.)

Short Term Experiments* (contd.)

Spring beans	Control of weeds (spraying) - Rothamsted and Woburn	Ce/2
Beans	Time of sowing, spraying and K	Ce/3
Potatoes	Control of blight (copper and zinc sprays)	Cf/1
Potatoes	Forms and levels of K - Rothamsted and Woburn	Cf/2
Potatoes	Control of blight (fungicides)	Cf/3
Sugar beet	Control of virus spread (sprays)	Cg/1
Kale	Control of weeds (thiotriazine)	Ch/1
Grass	Levels of N and K	Ci/1
Grass	Species and N	Ci/2
Grass	K and Mg - Rothamsted and Woburn	Ci/3

Miscellaneous Data

Meteorological records	Rothamsted and Woburn	E/1
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*At Rothamsted unless otherwise stated.

Notes

- (1) In this and future reports:
 - (a) All yields from grass, hay, lucerne, clover etc. experiments will be presented as dry matter. This change affects Park Grass Hay, and the hay and lucerne crops of the Woburn Ley and Arable Rotation.
 - (b) For all potato experiments, ware-sized tubers previously discarded because of disease etc., will be included as ware.
- (2) Destruction of potato haulm:

In all cases for 15% (10%) BOV at 100 gallons per acre read undiluted BOV at 15 (10) gallons per acre.