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ROTHAMSTED
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Yields of the Field Experiments 1961

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Contents 1961

Rothamsted Research

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Rothamsted Experimental Station

Harpenden

Lawes Agricultural Trust

NUMERICAL RESULTS

of the

FIELD

EXPERIMENTS

1961

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. C. Warren, D. J. Watson).

Price: 10/-

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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

Rotation Experiments

Ley and arable rotations	Rothamsted	B/1
Reference plots	Rothamsted and Woburn	B/2
Green manuring	Woburn	B/3
Ley and arable rotations	Woburn	B/4
Market Garden Soil	Woburn	B/5
Irrigation	Woburn	B/6
Concentrated fertiliser rotation	Rothamsted	B/7
Residual phosphate rotation	Rothamsted	B/8
N levels and residues rotation	Rothamsted	B/9
Weedkiller-cultivation rotation	Rothamsted	B/10
Weedkiller-cultivation rotation	Woburn	B/11

Crop Sequence Experiments

Crops in 1961

Cereal-bean rotations	Wheat and barley (test crops)	C/1
One year leys for wheat	Ryegrass ley	C/2
Grass species testing N and K	Spring wheat (test crop)	C/3
Straw and ryegrass green manure	Barley (test crop)	C/4
Trefoil and ryegrass green manures Woburn	Barley (test crop)	C/5
Trefoil and ryegrass green manures Woburn	Sugar beet (test crop)	C/6
Effect of K, Mg and Ca Rothamsted and Woburn	Ryegrass, 3rd year	C/7
Intensive barley growing	Cereals and beans	C/8

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Annual Experiments*

Winter wheat	Weedkillers on Take-All	Da/1
Winter wheat	Varieties and N	Da/2
Spring wheat	Combine drilling of N - Woburn	Da/3
Wheat	Sowing dates, seed rates and N (after non-cereal crop)	Da/4
Wheat	Sowing dates, seed rates and N (after cereal crop)	Da/5
Barley	Forms and application of N	Db/1
Barley	Levels and application of P	Db/2
Barley	Control of wild oats - Rothamsted and Woburn	Db/3
Spring oats	Frit fly study (sowing dates)	Dc/1
Spring beans	Levels of chalk	Dd/1
Spring beans	Control of weeds	Dd/2
Spring beans	Varietal susceptibility to virus	Dd/3
Spring beans	Control of aphids (insecticides)	Dd/4
Potatoes	Forms and levels of K	De/1
Potatoes	Time of burning off haulm	De/2
Potatoes	Azotobacter inoculation	De/3
Potatoes	Control of weeds - Rothamsted and Woburn	De/4
Sugar beet	Control of virus spread (insecticides)	Df/1
Grass	Levels of N and K - 4th year	Dg/1
Lucerne	Control of weeds - Simazine and row spacing - Woburn	Dh/1
Carrots	Motley dwarf virus	Di/1

Miscellaneous Data

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