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ROTHAMSTED
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Numerical Results of the Field Experiments 1968

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Contents 1968

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CONTENTS 1968

CLASSICAL EXPERIMENTS*

Broadbalk	Wheat, beans & potatoes	(BK)	A/1
Hoosfield Barley	Barley, beans & potatoes	(HB)	A/2
Hoosfield, Wheat after fallow	Wheat	(HWF)	A/3
Agdell	Grass	(AG)	A/4
Barnfield	Spring wheat, barley & beans	(BN)	A/5
Park Grass	Hay	(PG)	A/6
Hoosfield Exhaustion Land	Barley	(EX)	A/7
Rothamsted Garden	Clover	(EGC)	A/8
Saxmundham	Rotation 1	(SA)	A/9
Saxmundham	Rotation 2	(SB)	A/10

ROTATION EXPERIMENTS

Ley and arable rotations	Rothamsted	(HLA&FLA)	B/1
Ley and arable rotations	Woburn	(WLA)	B/2
Reference Plots	Rothamsted & Woburn	(ERA, ERG, WERA, WERF & WEBB)	B/3
Market Garden Soil	Woburn	(WMG)	B/4
Residual phosphate rotation	Rothamsted	(RP)	B/5
Cultivation - weedkiller rotation	Rothamsted	(CW)	B/6
Intensive cereals	Woburn	(WIC)	B/7
Long Term Phosphate	Woburn	(WLP)	B/8

CROP SEQUENCE EXPERIMENTS*

CROPS IN 1968

K, Mg and Na	Grass	(IM)	C/1
Intensive spring barley	Cereals	(IB)	C/2
Long term liming Rothamsted & Woburn	Potatoes	(LL & WLL)	C/3
Levels of N & K	Spring wheat after grass	(AF)	C/4
Cereal disease reference plots	Wheat	(AQ)	C/5
Irrigation	Beans & potatoes	(IR)	C/6

CONTENTS 1968 (CONTD.)

CROP SEQUENCE EXPERIMENTS* (continued)

NPK	Old Grass (Park Grass Plot 5 Microplots)	(EPG)	C/7
NPK & cutting	Old Grass (Park Grass Plot 6 Microplots)	(EPG)	C/8
Sod seeding & pests	Winter wheat	(BH)	C/9
Intensive winter barley	Winter barley	(BJ)	C/10
Legumes & barley	Barley	(CH)	C/11
Previous crops x N for barley 1966 - 68	Barley	(BY)	C/12
Rate of action of P fertilisers 1966 - 68	Ryegrass	(ER)	C/13
Formalin & N - Rothamsted (2 sites)	Winter wheat	(EBR, EBS)	C/14
Lucerne virus control	Lucerne & lucerne/ cocksfoot - 4th year	(BZ)	C/15
P, K & take-all	Barley	(CP)	C/16
Insecticides & molluscicides	Old grass	(CS)	C/17
Organic manuring - Woburn	Winter wheat & grass	(WQM)	C/18
Irrigation & eelworm - Woburn	Potatoes	(WCE)	C/19
Direct seeding - Woburn	Winter wheat	(WBW)	C/20
Potato haulm - Rothamsted & Woburn	Winter wheat	(CK & WCN)	C/21
Soil sterilants	Winter wheat	(DA) formerly (EA)	C/22
Formalin & N	Grass (2nd year)	(EAA)	C/23
IBDU Rothamsted & Woburn	Grass (2nd year)	(EAB & WEAR)	C/24
N fixation - Rothamsted Woburn	Lucerne & grass (2nd year)	(EAT & WEAQ)	C/25
N fixation - Rothamsted Woburn	Lucerne & grass (1st year)	(EBN & WEBO)	C/26
Placement of fumigant - Woburn	Potatoes (2nd year)	(WMAM) formerly (WEAM)	C/27
Levels and placement of N to beans	Wheat (2nd year)	(CJ)	C/28
Simulated grazing	Old grass	(EAV)	C/29
Soil Compaction - Saxmundham	Sugar beet		C/30
Soil Structure 2 - Woburn	Red beet	(WEAH)	C/31
Levels of N to beans - Woburn	Wheat (2nd year)	(WCL)	C/32
Nematicides (Ploughsole DD) - Woburn	Sugar beet (2nd year)	(WCM)	C/33
Fumigants & Irrigation - Woburn	Barley	(WCR)	C/34

CONTENTS 1968 (CONTD.)

ANNUAL EXPERIMENTS* (continued)

Potatoes	Gaps	(RP1/1)	De/1
Potatoes	Gangrene	(RP2/1)	De/2
Potatoes	Rhizoctonia	(RP3/1)	De/3
Potatoes	Oospores	(RP4/1)	De/4
Potatoes	Commercial, dipped & healthy stocks - Rothamsted & Woburn	(RP5/1&WP3/1)	De/5
Potatoes	Coiled sprout	(RP6/1)	De/6
Potatoes	Warm water treated seed	(RP7/1)	De/7
Potatoes	Chemicals and seed-borne fungi	(RP8/1)	De/8
Potatoes	Aphids	(RP10/1)	De/9
Potatoes	Comparison of fungicides	(RP11/1)	De/10
Potatoes	Post-planting cultivations	(RP12/1)	De/11
Potatoes	Varieties N and scab Rothamsted & Woburn	(RP13/1&WP2/1)	De/12
Potatoes	Chemicals and scab - Woburn	(WP1/1)	De/13
Potatoes	Fumigants and nutrients - Woburn (2 sites)	(WP401)	De/14
Grass (established)	Anhydrous ammonia etc.	(RG101)	Df/1
Grass (established)	N and damage	(RG201)	Df/2

MISCELLANEOUS DATA

Meteorological records	Rothamsted, Woburn & Saxmundham	E/1
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* At Rothamsted unless otherwise stated.

NOTES: (1) In the case of the classical, rotation and crop sequence experiments the letters in brackets are the code letter used on the plan. For the annual experiments the letters and numbers are the first plot number.

(2) From 1966 wherever the potato variety King Edward is mentioned, this means the clone free from paracrinkle virus unless the contrary is stated.

CONTENTS 1968 (CONTD.)

CROP SEQUENCE EXPERIMENTS* (continued)

Forms of magnesium - Woburn	Sugar beet	(WCU)	C/35
Cereal Cyst Nematode - Woburn	Spring wheat & barley	(WCG) formerly (WECG)	C/36
Nematode resistant barley - Woburn	Barley (2nd year)	(WCX)	C/37
N-release from green manures - Woburn	Barley & sugar beet	(WCO)	C/38
Intensive wheat - Saxmundham	Winter wheat	(SC)	C/39
Formalin N and lime - Saxmundham	Barley (2nd year)	(SAX/B/1)	C/40
Phosphate & potash - Saxmundham	Red clover (2nd year)	(SAX/RCL/1)	C/41
Phosphate & potash - Saxmundham	Lucerne (2nd year)	(SAX/LU/1)	C/42
N and cutting - Saxmundham	Grass (2nd year)	(SAX/G/1)	C/43

ANNUAL EXPERIMENTS*

Winter wheat	Sowing dates & bulb fly	(BG)	Da/1
Winter wheat	Cultivations & bulb fly	(RW101)	Da/2
Winter wheat	CCC & eyespot	(RW201)	Da/3
Winter wheat	Spun and drilled seed	(RW301)	Da/4
Winter wheat	CCC Row spacing & N	(RW401)	Da/5
Winter wheat	Varieties & N	(RW501)	Da/6
Spring wheat	CCC Row spacing & N	(RW451)	Da/7
Spring wheat	Gaps	(RW601)	Da/8
Spring wheat	Paths and blank rows	(RW701)	Da/9
Spring wheat	Anhydrous ammonia	(RW801)	Da/10
Spring wheat	Varieties & N	(RW901)	Da/11
Barley	Paths and blank rows	(RB101)	Db/1
Barley	Spun and drilled seed	(RB201)	Db/2
Barley	Varieties, N & eyespot	(RB301)	Db/3
Barley	Deep-drilled fertiliser		
	Rothamsted & Woburn	(RB401&WB201)	Db/4
Barley	Varieties & N - Woburn	(WB101)	Db/5
Spring beans	Rhizobium strains - Rothamsted & Woburn	(RBe101&WBe101)	Dc/1
Spring beans	B9, Irrigation & N - Woburn	(WBe201)	Dc/2
Spring beans	B9 and N -	(MC)	Dc/3
Winter Oilseed Rape	Row spacing N & K	(RRa101)	Dd/1
Spring Oilseed Rape	Row spacing N & K	(RRa201)	Dd/2