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Collection of Plans for the Woburn Ley-arable Experiment

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Woburn Ley-arable 1968

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1968* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 12 - 12

101 STACKYARD 31st year 1968.

Woburn
WLA

ARABLE & LEY ROTATIONS

1 ^{d4}	R ¹ Ah	-2
5 ^{d4}	R ¹ A	-6
9 ⁻	L ² Lu Ah	10 ^{d4}
13 ^{d4}	L ² L	-14

3 ⁻	S ² Lu	d ⁴
7 ⁻	R ¹ AL	d ⁸
11 ^{d4}	R ¹ Ah Lu	-12
15 ⁻	S ² LA	d ¹⁶

17 ⁻	H Ah	d ¹⁸
21 ^{d5}	S ³ LAh	-22
25 ^{d5}	H ALu	-26
29 ⁻	S ³ Lu	d ³⁰

19 ⁻	C Ah	d ²⁰
23 ⁻	C Ah L	d ²⁴
27 ⁻	L ³ Lu A	d ²⁸
31 ⁻	L ³ L	d ³²

33 ^{d3}	S ¹ Lu	-34
37 ⁻	L ¹ Lu A	38 ^{d3}
41 ⁻	S ¹ LAh	42 ^{d3}
45 ^{d3}	P Ah	46 ^{d3}
49 ^{d3}	F Ah	50 ^{d3}

35 ^{d3}	F Ah	36 ^{d3}
39 ^{d3}	P Ah	40 ^{d3}
43 ^{d3}	L ¹ L	44 ^{d3}
47 ^{d3}	F Ah	48 ^{d3}
51 ^{d3}	P Ah	52 ^{d3}

65 ⁻	P (LE)	L	66 ^{d2}
69 ⁻	A (Ah)	Lu Ah	70 ^{d2}
73 ^{d2}	P (AL)	A	74 ⁻
77 ^{d2}	A (AL)	LA	78 ⁻

67 ^{d2}	P (Ah)	Ah	68 ⁻
71 ⁻	A (SA)	Ah S	72 ^{d2}
75 ^{d2}	A (LE)	AL	76 ⁻
79 ⁻	P (SA)	S	80 ^{d2}

SYMBOLS

Rotations
3 years ARABLE
3 years LEY

Treatment Crops
A = Potatoes P, Rye R, Carrots C.
Ah = Potatoes P, Rye 1/2 R, Hay H.
S = Sainfoin cut for hay (Lu = Lucerne)
L = Ley grazed
1967, 68 Sugar Beet, Barley } In 4th
1968, 69 Barley, Potatoes } & 5th years.

TEST CROPS

TREATMENTS:-
Treatment potatoes 1968:
Fumigants -, F None, Chloropicrin in autumn 1967
Nitrogen 2, 3, 4 10 cut, 15 cut, 20 cut N as 'Nitro-chalk'
Sub-plots and 2nd tubers dusted with thiram before planting.

1st test crop barley 1968:

Nitrogen after arable 1, 2, 3, 4. 0.4 cut, 0.8 cut, 1.2 cut, 1.6 cut N.
Nitrogen after Ley and Sainfoin -, 1, 2, 3. None, 0.4 cut, 0.8 cut, 1.2 cut
N as 'Nitro-chalk'.

ALL crops:

FYM -, d Residuals of none v 15 tons FYM applied
to Sugar beet 1962-7. No fresh applications for 1968 crops,
but fresh test resumes for 2nd test crop potatoes in 1969.

BLOCK 4 1ST TEST

65 ⁻	P (LE)	L	66 ^{d2}
69 ⁻	A (Ah)	Lu Ah	70 ^{d2}
73 ^{d2}	P (AL)	A	74 ⁻
77 ^{d2}	A (AL)	LA	78 ⁻

CROP BARLEY

67 ^{d2}	P (Ah)	Ah	68 ⁻
71 ⁻	A (SA)	Ah S	72 ^{d2}
75 ^{d2}	A (LE)	AL	76 ⁻
79 ⁻	P (SA)	S	80 ^{d2}

BLOCK 4 1ST TEST CROP BARLEY

49 ^{d3}	-	1	2	3	50
53 ^{d3}	2	1	3	-	-
57 ^{d3}	3	1	2	4	58
61 ^{d3}	4	3	4	3	62
65 ^{d3}	1	2	3	4	66
69 ^{d3}	2	3	4	1	70
73 ^{d3}	3	4	1	2	74
77 ^{d3}	4	1	2	3	78