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Collection of Plans for the Woburn Ley-arable Experiment

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Woburn Ley-arable 1971a

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1971a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 16 - 16

STACKYARD "D" 34th year 1971 201A

WOBURN ARABLE AND LEY ROTATIONS

→ N

TI/W/RN/3

01 d7	02 —	03 —	04 d7
05 d7	06 A	07 —	08 d7
09 —	10 AhL	11 —	12 —
13 d7	14 L	15 —	16 d7

17 —	18 —	19 —	20 d8
21 d8	22 —	23 —	24 d8
25 d8	26 —	27 —	28 d8
29 —	30 —	31 —	32 d8

17 —	18 —	19 —	20 d8
21 d8	22 —	23 —	24 d8
25 d8	26 —	27 —	28 d8
29 —	30 —	31 —	32 d8

19 —	20 —	21 —	22 d8
23 —	24 —	25 —	26 d8
27 —	28 —	29 —	30 d8
31 —	32 —	33 —	34 d8

33 —	34 —	35 —	36 —
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33 —	34 —	35 —	36 —
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37 —	38 —	39 —	40 —
41 —	42 —	43 —	44 —
45 —	46 —	47 —	48 —
49 —	50 —	51 —	52 —

37 —	38 —	39 —	40 —
41 —	42 —	43 —	44 —
45 —	46 —	47 —	48 —
49 —	50 —	51 —	52 —

65 —	66 —	67 —	68 —
69 —	70 —	71 —	72 —
73 —	74 —	75 —	76 —
77 —	78 —	79 —	80 —

65 —	66 —	67 —	68 —
69 —	70 —	71 —	72 —
73 —	74 —	75 —	76 —
77 —	78 —	79 —	80 —

SYMBOLS

Rotations

3 years ARABLE A = Potatoes P, Rye R, Carrots C.

Ah = Potatoes P, Rye 4/5*, Hay H.

3 years LEY S = Sainfoin cut for hay (Lu: Lucerne)

L = Ley cut (No more grazing)

TEST CROPS In 4th and 5th years

1st Test Crop

Barley

Potatoes

Barley @ 150lb (168kg)

TREATMENTS:- Planted: 30 Mar. Sown: 10 Mar.

Residues of Fumigant applied to potatoes 1969 now carrots

(-), (C) None, Chloropicrin in autumn 1968

Residues of Fumigant applied to potatoes 1970 now rye

(-), (F) None, Chloropicrin in autumn 1969

BASAL MANURING per acre (hectare) for 2nd test crop & treatment

2nd test crop barley - Julia.

0.5 cwt (45kg) N, 0.5 cwt (45kg) P₂O₅, 0.5 cwt (45kg) K₂O as (15:15:15)

1st treatment crop potatoes - Maris Piper

2.0 cwt (252kg) N, 2.0 cwt (252kg) P₂O₅, 3.0 cwt (376kg) K₂O as (15:15:20)

2nd treatment crop rye - King II

0.3 cwt (38kg) N as Nitro-chalk 2:1, 0.3 cwt (38kg) P₂O₅, 0.6 cwt (76kg) K₂O as (0:14:28).

3rd treatment crop carrots - Autumn King

0.6 cwt (76kg) N as Nitro-chalk 2:1, 0.6 cwt (76kg) P₂O₅ as superphosphate

1.8 cwt (226kg) K₂O as muriate of potash

All crops:-

FYM -, d. Residues of none v 15 tons FYM applied

to sugar beet 1962-67