

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Collection of Plans for the Woburn Ley-arable Experiment

[Full Table of Content](#)

The thumbnail image shows a table titled "WOBURN ARABLE AND LEY ROTATIONS" with columns for "STOCKING FIELD IN 1970", "ARABLE", "LEY", and "ROTATIONS". The table contains several rows of data, including crop sequences and rotation periods.

## Woburn Ley-arable 1970a

### Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1970a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 14 - 14

STACKYARD 'D' 33rd year 1970 201 A

ARABLE AND LEY ROTATIONS

WOBURN 70/M/RN/3

← N →

011 Ah	4	2	101	2	3	1	2	3	1	2	3	1	2	3
051 A	3	1	101	3	1	4	4	4	2	4	4	2	4	4
091 AhL	2	4	101	3	1	3	1	2	2	2	2	2	2	2
131 L	2	3	101	3	3	3	3	3	3	3	3	3	3	3

031 S	3	1	104	2	3	1	2	3	1	2	3	1	2	3
071 LAh	4	2	101	1	3	2	2	2	2	2	2	2	2	2
111 LuA	3	4	101	2	1	3	1	4	4	4	4	4	4	4
151 AS	2	2	101	2	1	3	1	2	2	2	2	2	2	2

**SYMBOLS**  
Rotations  
3 years ARABLE 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 cut (No more grazing)

**TEST CROPS** In 4th and 5th years  
1st Test Crop Barley  
2nd Test Crop Barley

1969 Barley  
1970 Barley @ 140lb Barley @ 156lb sown: 25 Mar

**TREATMENTS:-**  
1st Test crop barley 1970  
Nitrogen after arable 1, 2, 3, 4. 0-4, 0-8, 1-2, 1-6 cut N  
Nitrogen after ley and sainfoin -1, 2, 3. None, 0-4, 0-8, 1-2 cut N as Nitro-chalk 2i.

Residues of fumigant applied to potatoes 1968, now carrots or hay (-), (F). None, Chloropicrin in autumn 1967.  
Residues of fumigant applied to potatoes 1969, now FYM (-), (C) None, Chloropicrin in autumn 1968

**BASAL MANURING** per acre for test crops and Rye  
1st test crop barley - 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (0:20:20)  
2nd test crop barley - 0-5 cut N, 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (15:15:15)  
Rye - 0-3 cut N as Nitro-chalk, 0-3 cut P<sub>2</sub>O<sub>5</sub>, 0-6 cut K<sub>2</sub>O as (0:14:28)  
All crops -  
FYM -, d Residuals of none v 15 tons FYM applied to sugar beet 1962-67  
Varieties: Barley: Moris Badger, Potatoes: Moris Piper, 2nd test crop Barley: Julia

17	19	27	19	27
21	23	27	21	27
25	27	27	25	27
29	31	37	29	37

35	37	37	35	37
39	41	47	39	47
43	45	47	43	47
47	49	47	47	47

1969 Barley  
1970 Barley @ 140lb Barley @ 156lb sown: 25 Mar

**TREATMENTS:-**  
1st Test crop barley 1970  
Nitrogen after arable 1, 2, 3, 4. 0-4, 0-8, 1-2, 1-6 cut N  
Nitrogen after ley and sainfoin -1, 2, 3. None, 0-4, 0-8, 1-2 cut N as Nitro-chalk 2i.

Residues of fumigant applied to potatoes 1968, now carrots or hay (-), (F). None, Chloropicrin in autumn 1967.  
Residues of fumigant applied to potatoes 1969, now FYM (-), (C) None, Chloropicrin in autumn 1968

**BASAL MANURING** per acre for test crops and Rye  
1st test crop barley - 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (0:20:20)  
2nd test crop barley - 0-5 cut N, 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (15:15:15)  
Rye - 0-3 cut N as Nitro-chalk, 0-3 cut P<sub>2</sub>O<sub>5</sub>, 0-6 cut K<sub>2</sub>O as (0:14:28)  
All crops -  
FYM -, d Residuals of none v 15 tons FYM applied to sugar beet 1962-67  
Varieties: Barley: Moris Badger, Potatoes: Moris Piper, 2nd test crop Barley: Julia

33	34	34	33	34
37	38	40	37	40
41	43	47	41	47
45	47	47	45	47

49	49	49	49	49
53	53	53	53	53
57	57	57	57	57
61	61	61	61	61

1969 Barley  
1970 Barley @ 140lb Barley @ 156lb sown: 25 Mar

**TREATMENTS:-**  
1st Test crop barley 1970  
Nitrogen after arable 1, 2, 3, 4. 0-4, 0-8, 1-2, 1-6 cut N  
Nitrogen after ley and sainfoin -1, 2, 3. None, 0-4, 0-8, 1-2 cut N as Nitro-chalk 2i.

Residues of fumigant applied to potatoes 1968, now carrots or hay (-), (F). None, Chloropicrin in autumn 1967.  
Residues of fumigant applied to potatoes 1969, now FYM (-), (C) None, Chloropicrin in autumn 1968

**BASAL MANURING** per acre for test crops and Rye  
1st test crop barley - 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (0:20:20)  
2nd test crop barley - 0-5 cut N, 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (15:15:15)  
Rye - 0-3 cut N as Nitro-chalk, 0-3 cut P<sub>2</sub>O<sub>5</sub>, 0-6 cut K<sub>2</sub>O as (0:14:28)  
All crops -  
FYM -, d Residuals of none v 15 tons FYM applied to sugar beet 1962-67  
Varieties: Barley: Moris Badger, Potatoes: Moris Piper, 2nd test crop Barley: Julia

65	64	64	65	64
69	70	70	69	70
73	74	74	73	74
77	78	78	77	78

81	81	81	81	81
85	85	85	85	85
89	89	89	89	89
93	93	93	93	93

1969 Barley  
1970 Barley @ 140lb Barley @ 156lb sown: 25 Mar

**TREATMENTS:-**  
1st Test crop barley 1970  
Nitrogen after arable 1, 2, 3, 4. 0-4, 0-8, 1-2, 1-6 cut N  
Nitrogen after ley and sainfoin -1, 2, 3. None, 0-4, 0-8, 1-2 cut N as Nitro-chalk 2i.

Residues of fumigant applied to potatoes 1968, now carrots or hay (-), (F). None, Chloropicrin in autumn 1967.  
Residues of fumigant applied to potatoes 1969, now FYM (-), (C) None, Chloropicrin in autumn 1968

**BASAL MANURING** per acre for test crops and Rye  
1st test crop barley - 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (0:20:20)  
2nd test crop barley - 0-5 cut N, 0-5 cut P<sub>2</sub>O<sub>5</sub>, 0-5 cut K<sub>2</sub>O as (15:15:15)  
Rye - 0-3 cut N as Nitro-chalk, 0-3 cut P<sub>2</sub>O<sub>5</sub>, 0-6 cut K<sub>2</sub>O as (0:14:28)  
All crops -  
FYM -, d Residuals of none v 15 tons FYM applied to sugar beet 1962-67  
Varieties: Barley: Moris Badger, Potatoes: Moris Piper, 2nd test crop Barley: Julia