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# Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS  
STATIONARY FIELD EXPERIMENT  
1957-79

Year	Rotation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
1957	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79

## 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

201 A  
STACKYARD 'D' 33rd year 1970

ARABLE AND LEY ROTATIONS

W OBURN  
70/M/RN/3



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	3	1	4	4	4	4
091 AhL	2	4	101	3	1	4	2	2	3	1	4	2	2	2
131 L	2	4	101	3	3	4	2	2	3	3	4	2	2	2

031 S	3	1	104	3	1	2	3	1	2	3	1	2	3
071 LAh	4	2	101	3	2	4	4	4	3	1	4	4	4
111 LuA	3	4	121	3	1	4	2	2	3	3	4	2	2
151 AS	2	2	161	1	2	3	4	4	3	3	4	2	2

17	19	21	23	25	27
1Ah	1A	1LA	1LA	1AL	1L
19	21	23	25	27	29
1Ah	1A	1LA	1LA	1AL	1L

33	35	37	39	41	43
S3:Lu	L3:LuA	S3:LAh	H:Ah	H:AL	L3:L
35	37	39	41	43	45
S3:Lu	L3:LuA	S3:LAh	H:Ah	H:AL	L3:L

49	51	53	55	57	59
L2:L	L2:LuAh	R:AR	S2:LA	R:Ah	R:SA

65	67	69	71	73	75
L2:L	L2:LuAh	R:AR	S2:LA	R:Ah	R:SA
67	69	71	73	75	77
L2:L	L2:LuAh	R:AR	S2:LA	R:Ah	R:SA

**SYMBOLS**  
Rotations  
3 years ARABLE A = Potatoes P, Rye R, Carrots C.  
Ah = Potatoes P, Rye 1/2 R, 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  
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

