

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](#)

WOBURN ARABLE AND LEY ROTATIONS

Treatment	Area (sq. ft.)	Area (acres)	Year	Notes
1. 1st Year	1000	0.023	1957	
2. 2nd Year	1000	0.023	1958	
3. 3rd Year	1000	0.023	1959	
4. 4th Year	1000	0.023	1960	
5. 5th Year	1000	0.023	1961	
6. 6th Year	1000	0.023	1962	
7. 7th Year	1000	0.023	1963	
8. 8th Year	1000	0.023	1964	
9. 9th Year	1000	0.023	1965	
10. 10th Year	1000	0.023	1966	
11. 11th Year	1000	0.023	1967	
12. 12th Year	1000	0.023	1968	
13. 13th Year	1000	0.023	1969	
14. 14th Year	1000	0.023	1970	
15. 15th Year	1000	0.023	1971	
16. 16th Year	1000	0.023	1972	
17. 17th Year	1000	0.023	1973	
18. 18th Year	1000	0.023	1974	
19. 19th Year	1000	0.023	1975	
20. 20th Year	1000	0.023	1976	
21. 21st Year	1000	0.023	1977	
22. 22nd Year	1000	0.023	1978	
23. 23rd Year	1000	0.023	1979	

Woburn Ley-arable 1974a

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1974a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 24 - 24

37th year → N **STACKYARD 'D' 1974 201A**

Sponsors: D.A. Boyd, J.M. Hirst, A.E. Johnston, F.G.W. Jones

SYMBOLS

Rotations

3 years ARABLE A = Potatoes P, Barley B, Barley B, Barley B.
Ah = Potatoes P, Barley B 1/2, Hay H.

3 years LEY C = Red clover cut for hay (S:Saintfoin, Lu:Lucerne)
L = Ley, cut.

2nd and 3rd TREATMENT CROPS

Residues of fumigants applied to Potatoes 1971-2nd treatment crops 1974

(-), (f) None, 400lb (498kg) chloropicrin + 10lb (11kg) Aldicarb.

Residues of fumigants applied to 1st treatment crops 1975-2nd treatment crops 1977

(-), (F) None, 400lb (498kg) chloropicrin + 6lb (67kg) Aldicarb. (Applied to plots 35/36 & 47/48 in error.)

Residues of fumigants applied to Potatoes 1972-3rd treatment crops 1974.

(-), (f) None, 400lb (498kg) chloropicrin + 5lb (6kg) Aldicarb.

2nd and 3rd treatment Barley (Julia dressed ethionol) sown:

337lb (418kg) compound fertiliser (15:15:15) C.D.

3rd treatment crop Hay 1/2 1973 in Barley

1.0 cut (126kg) N as Nitro-chalk 2.5, 0.6 cut (75kg) P₂O₅, 1.2 cut (151kg) K₂O as (0:14:28) in Spring. 0.6 cut (75kg) N, 0.4 cut (50kg) K₂O as (25:0:16) after 1st cut.

2nd and 3rd year cut Ley

1.2 cut (151kg) N, 0.9 cut (113kg) K₂O as (25:0:16) in three equal dressings.

Any dressing may be omitted or reduced in a wet season.

2nd and 3rd year clover

0.5 cut (63kg) N as Nitro-chalk 2.5, 1.5 (188kg) K₂O as muriate of potash, in Spring.

ALL CROPS :- FYM

- , d Residual of none v. 15 tons (38 tonnes). FYM applied to

Sugar beet 1962-67 (1st test crop).

ARABLE AND LEY ROTATION

74/W/RN/3

03	C3 S	04	d10
07	C3: LAh	08	d10
11	L3: LUA	12	-
d10		161	(f)
151	H AS	162	(-)
152			

Crop Potatoes
See separate plan 201B 32

74/W/RN/3

011	H Ah	021	(-)
012	B A	022	(f)
051	B Ah L	061	(-)
d10		062	(f)
091	B Ah L	101	(-)
092	L3 L	d10	(f)
13		14	(-)
d10			

Block 2 1st Test
For plot treatments

331	C2 S	341	(-)
d9	B A L	342	(f)
3		343	(-)
371	B A L	381	(f)
3		382	(-)
411	B AKS	421	(-)
3		422	(f)
451	B Ah	461	(-)
3		462	(f)

Crop W. Wheat
See separate plan 201C 64

Treatment crops
See separate plan 201D 80

WOBURN

74/W/RN/3

011	H Ah	021	(-)
012	B A	022	(f)
051	B Ah L	061	(-)
d10		062	(f)
091	B Ah L	101	(-)
092	L3 L	d10	(f)
13		14	(-)
d10			

Block 4 2nd Test
For plot treatments

331	C2 S	341	(-)
d9	B A L	342	(f)
3		343	(-)
371	B A L	381	(f)
3		382	(-)
411	B AKS	421	(-)
3		422	(f)
451	B Ah	461	(-)
3		462	(f)

Block 5 1st year
For plot treatments

Treatment crops
See separate plan 201E 80

31k

1

2

3

4

5