

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 1979c

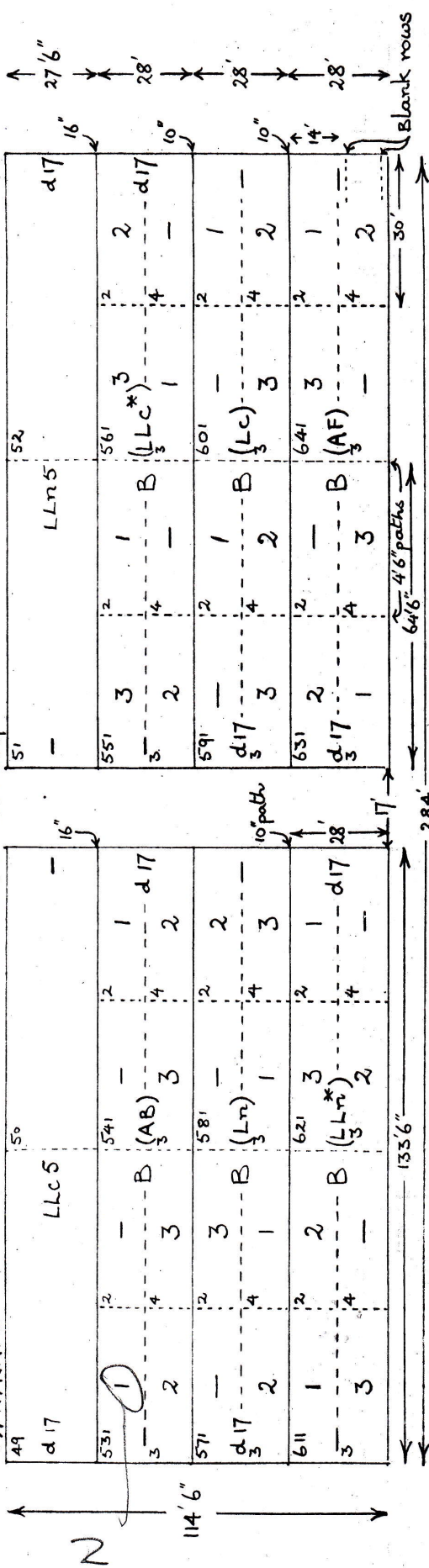
Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1979c* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 42 - 42

WOBURN
19/W/RN/3

ARABLE AND LEY ROTATION
Block 4
2nd Test Crop

STACKYARD 'D' 1979 201C
Sponsors: A.E. Johnston, F.G.W. Jones, G.R. Salt



TREATMENTS per acre (hectare)
-, d17 None, FYM residues - last applied 1962

Cropping
B Barley Variety: Perthos (dressed with ethirimol)
Sown at: 40lb (157kg) Date: 3 May
8 year Grass/Ley with N } Resown 13 Oct 1976
3 year Grass/clover Ley, No N }
3 year treatment cropping: Barley, Barley, Oats
3 year treatment cropping: Fallow, Fallow, Oats
Ley with N } Previous alternating rotations.
Ley with clover (ultimately 8yr leys-treated as 3yr leys) during phasing in:
3 year grass/ley with N.
3 year grass/clover Ley, No N.

Nitrogen to Barley
-, 1, 2, 3 None, 0.4, 0.8, 1.2 cut N/acre
(None, 50, 100, 150 kg/ha) N as 'Nitro-chalk' 26

STANDARD APPLICATION to Barley only
Aldicarb at 10kg/ha (9lb/acre)

BASAL MANURING per acre (hectare)
Barley: 270lb (300kg) compound fertilizer (0:20:20) C.D.
Ley with N: 75kg (67lb) N, 48kg (43lb) K₂O as (25:0:16) applied in the Spring and after each cut except the last
Ley with clover: 48kg (43lb) K₂O as muriate of potash in the Spring and after each cut except the last.

PLOT AREA
Barley = 14' x 30' = 0.0096 acre (0.0039 ha)
Harvested = 9'4" x 30' = 0.0064 acre (0.0026 ha)
Ley with N and
Ley with clover 27'6" x 64'6" = 0.0407 acre (0.0165 ha)