

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.



Collection of Plans for the Woburn Ley-arable Experiment

[Full Table of Content](#)



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 ARABLE AND LEY ROTATION 42nd year STACKYARD 'D' 1979 201C
Block 4 Sponsors: A.E. Johnston, F.G.W. Jones, G.R. Salt
2nd Test Crop

19/W/RN/3		2nd Test Crop		Blank rows	
49	50	51	52	53	54
d17	LLC5	-	LLn5	d17	d17
531	541	551	561	571	581
1	-	3	1	1	-
2	(AB) ₃	2	-	2	(LLC*) ₃
3	3	3	4	4	4
571	581	591	601	611	621
d17	(Ln) ₃	d17	B	d17	(Ln) ₃
2	1	3	2	3	3
3	3	3	4	4	4
611	621	631	641	651	661
1	2	2	-	2	3
3	(LLn*) ₃	d17	B	d17	(AF) ₃
3	2	3	4	4	4
3	-	1	3	3	-
114'6"	133'6"	17'	64'6"	30'	30'
2	10' path	16"	4'6" paths	10"	14"
27'6"	28'	28'	28'	28'	28'

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

Cropping

Barley Variety: Portlaois (dressed with ethirimol)
Sown at: 140lb (157kg) Date: 3 May
8 year Grass/Ley with N } Resown
8 year Grass/clover Ley, No N } 13 Oct 1976
3 year treatment cropping: Barley, Barley, Oats
3 year treatment cropping: Fallow, Fallow, Oats
Ley with N } Previous alternating rotations.
Ley with clover ultimately 8 yr leys-treated as 3 yr leys (14h) 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 cwt 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 fertiliser (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 = 94' 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)