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Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS

Treatment	Area (Acre)	Soil	Year	Notes
1. 1st Year	1.0	1	1957	
2. 2nd Year	1.0	1	1958	
3. 3rd Year	1.0	1	1959	
4. 4th Year	1.0	1	1960	
5. 5th Year	1.0	1	1961	
6. 6th Year	1.0	1	1962	
7. 7th Year	1.0	1	1963	
8. 8th Year	1.0	1	1964	
9. 9th Year	1.0	1	1965	
10. 10th Year	1.0	1	1966	
11. 11th Year	1.0	1	1967	
12. 12th Year	1.0	1	1968	
13. 13th Year	1.0	1	1969	
14. 14th Year	1.0	1	1970	
15. 15th Year	1.0	1	1971	
16. 16th Year	1.0	1	1972	
17. 17th Year	1.0	1	1973	
18. 18th Year	1.0	1	1974	
19. 19th Year	1.0	1	1975	
20. 20th Year	1.0	1	1976	

Woburn Ley-arable 1976a

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1976a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 31 - 31

WOBURN ARABLE AND LEY ROTATION

Block 1 For Plot Treatments	2nd Test	Crop Winter Wheat See Separate Plan 201 B
17 (A) B	18 (A) F	19 (A) F
21 (SA) LLC1	22 (AC) LLC1*	23 (AC) LLC1*
23 (AL) LLN1*	24 (L) LLN1	27 (L) LLN1
29 (C) LC1	30 (L) LN1	31 (L) LN1

Block 3 For Plot Treatments	1st Test	Crop Winter Wheat See Separate Plan 201 C
39 (LA) LLC2	40 (SA) LLN2	51 (SA) LLN2
53 (AH) B	54 (AH) LLC2*	55 (AH) LLC2*
57 (L) LN2	58 (C) LC2	59 (C) LC2
61 (AL) LLN2*	62 (A) F	63 (A) F

Block 4 For Plot Treatments	1st Test	2nd Test	Crop Winter Wheat See Separate Plan 201 B
65 (L) LN3	66 (AH) O	67 (AH) O	70 (SA) LLN3
69 (AL) LLN3*	70 (A) O	71 (SA) LLN3	72 (L) LN3
73 (A) O	74 (AS) LLC3*	75 (LAN) LLC3	76 (L) LN3
77 (AS) LLC3*	78 (C) LC3	79 (C) LC3	80 (C) LC3

39th year

→ N SYMBOLS

STACKYARD 'D' 1976 201A
Sponsors: D. B. Boyd, K. Evans, A. E. Johnston, F. M. Jones, G. A. Salt.

From 1976 major revisions have been made: -

Previous Rotations: (R), (Ah), (C), (L), (S) not defined on this plan.

From 1976 AH Barley B, Barley B, Oats O.

A Follow F, Follow F, Oats O.

LC 3 years clover/grass ley (no N)

LN 3 years all grass ley (with N)

LLC & LLN 3 year leys treated as above. * = ploughed up in less than 8 years initially during phasing in.

Normally followed by Test Crops. Wheat and Barley (Wheat in 1976 to complete previous cycle).

NOTE: LC & LN 2 & 3 are all fresh sowings 1976.

To all crops: -, dn Residues of none v 15 tons/acre (38t/ha) FYM last applied n years ago.

BASAL MANURES per acre (hectare)

Barley - Julia. (dressed with abt. animal) } 360B (400 kg) compound fertiliser @ 145 lb (65.3 kg)

Oats - Marned @ 170 lb (190 kg) } (20:14:14) C.D. Sown: 23 Mar

ALL - grass ley.

1st year: 75 kg (67 lb) N as Nitro-chalk 25, 75 kg (67 lb) P₂O₅, 150 kg (134 lb) K₂O as (0:14:28) in the seedbed. 75 kg (67 lb) N, 48 kg (43 lb) K₂O as (25:0:16) after each cut except the last.

2nd + years: 75 kg (67 lb) P₂O₅, 150 kg (134 lb) K₂O as (0:14:28) in winter. 75 kg (67 lb) N, 48 kg (43 lb) K₂O as (25:0:16) in spring and after each cut except the last.

Clover/grass ley - as LN but omitting N. K per cut as muricide of potato.

1st year: 75 kg (67 lb) P₂O₅, 150 kg (134 lb) K₂O as (0:14:28) in the seedbed.

48 kg (43 lb) K₂O as Muricide of potato after each cut except the last.

2nd + years: 75 kg (67 lb) P₂O₅, 150 kg (134 lb) K₂O as (0:14:28) in winter.

48 kg (43 lb) K₂O as Muricide of potato in spring and after each cut except the last.

Leys drilled: 22 Apr.