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RESEARCH

# Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS

Treatment	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	
1. 1st Year																							
2. 2nd Year																							
3. 3rd Year																							
4. 4th Year																							
5. 5th Year																							
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19. 19th Year																							
20. 20th Year																							

## Woburn Ley-arable 1978a

### Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1978a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 37 - 37

41st year → N  
 STACKYARD D 1978 201A  
 Sponsors: A.E. Johnston, F.G.W. Jones, G.A. Salt

**SYMBOLS**

From 1976 major revisions have been made:-

Previous Rotations: (A), (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.  
 L: 3 years clover/grass ley (no N)  
 Ln: 3 years all grass ley (with N)  
 LLC & LLn 8 year leys treated as above.

\* = ploughed up in less than 8 year initially during phasing  
 Followed by Test Crops Wheat W, Barley B.

NOTE: All Lc, Ln, LLC and LLn 2 & 3 failed in 1976 and resown in autumn 1976.  
 To all crops: - dr. Residues of none v.15 tons/acre (38t/ha) FYM last applied n years ago.  
**BASAL MANURING** per acre (hectare) to treatment crops:  
 Barley - Porthos (dressed with ethinmal), 360lb (400kg) compound  
 Oats - Manod  
 All - Grass ley

1st year: 75kg (67lb) N as Nitro-chalk, 25, 75kg (67lb) P<sub>2</sub>O<sub>5</sub>, 150kg (134lb) K<sub>2</sub>O as (0:14:28) in the seedbed, 75kg (67lb) N, 48kg (43lb) K<sub>2</sub>O as (25:0:16) after each cut except the last.

2nd+ years: 75kg (67lb) P<sub>2</sub>O<sub>5</sub>, 150kg (134lb) K<sub>2</sub>O as (0:14:28) in winter and after each cut except the last.  
 75kg (67lb) N, 48kg (43lb) K<sub>2</sub>O 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 Muriate of potash  
 1st year: 75kg (67lb) P<sub>2</sub>O<sub>5</sub>, 150kg (134lb) K<sub>2</sub>O as (0:14:28) in the seedbed. 48kg (43lb) K<sub>2</sub>O as Muriate of potash after each cut except the last.

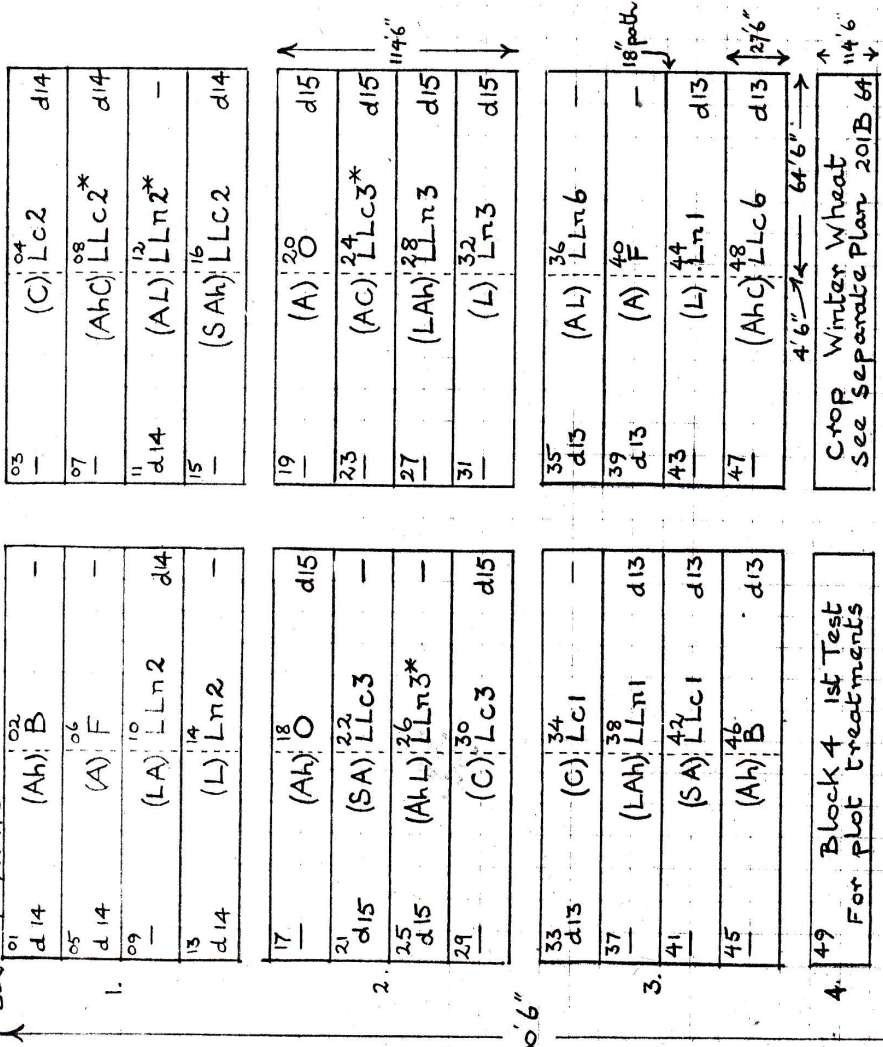
2nd+ years: 75kg (67lb) P<sub>2</sub>O<sub>5</sub>, 150kg (134lb) K<sub>2</sub>O as (0:14:28) in winter in winter. 48kg (43lb) K<sub>2</sub>O as Muriate of potash in spring, and after each cut except the last.

Barley sown at 145lb (162kg) Date: Redrilled 7 Apr  
 Oats sown at 180lb (202kg) Date: 13 Mar

**ARABLE AND LEY ROTATION**

**WOBUEN**

BK 78/W/RN/3



Crop Winter Wheat  
 See Separate Plan 201B 64

Crop Barley Wheat  
 See Separate Plan 201C 80