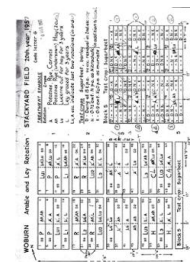


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Collection of Plans for the Woburn Ley-arable Experiment

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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

17	(A) B	18	d10
21	(SA) LLC1	22	-
23	(A) L	24	(A) L
29	(C) L	30	d10

Block 3
For Plot Treatments

19	(LA) LLC2	20	-
53	(A) B	54	d14
57	(L) L	58	-
61	(AL) L	62	d14

65	(L) L	66	d10
69	(A) L	70	d10
73	(A) O	74	-
77	(AS) LLC3	78	-

Crop Winter Wheat
See Separate Plan 201 B

19	(A) F	20	d10
23	(AC) LLC1	24	d13
27	(LA) L	28	d13
31	(L) L	32	d13

Crop Winter Wheat
See Separate Plan 201 C

51	(SA) L	52	d14
55	(A) S	56	d14
59	(C) L	60	-
63	(A) F	64	-

67	(A) O	68	-
71	(SA) L	72	d10
75	(LA) L	76	-
79	(C) L	80	d10

39th year

→ N
SYMBOLS

From 1976 major revisions have been made:-

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

From 1976 A) Barley B, Barley B, Oats O.

A Fallow F, Fallow F, Oats O.

L) 3 years clover/grass ley (no N)

L) 3 years all grass ley (with N)

L) & L) 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: L) & L) 283 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 MANURING per acre (hectare)

Barley - Julia (dressed with minimal) } 360 lb (400 kg) compound fertiliser @ 145 lb (162 kg)

Oats - Monod @ 170 lb (190 kg) } (20:14:14) C.D. Sown: 22 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 L) 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.