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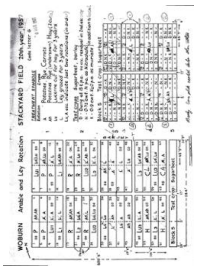
Collection of Plans for the Woburn Ley-arable Experiment



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Rothamsted Research

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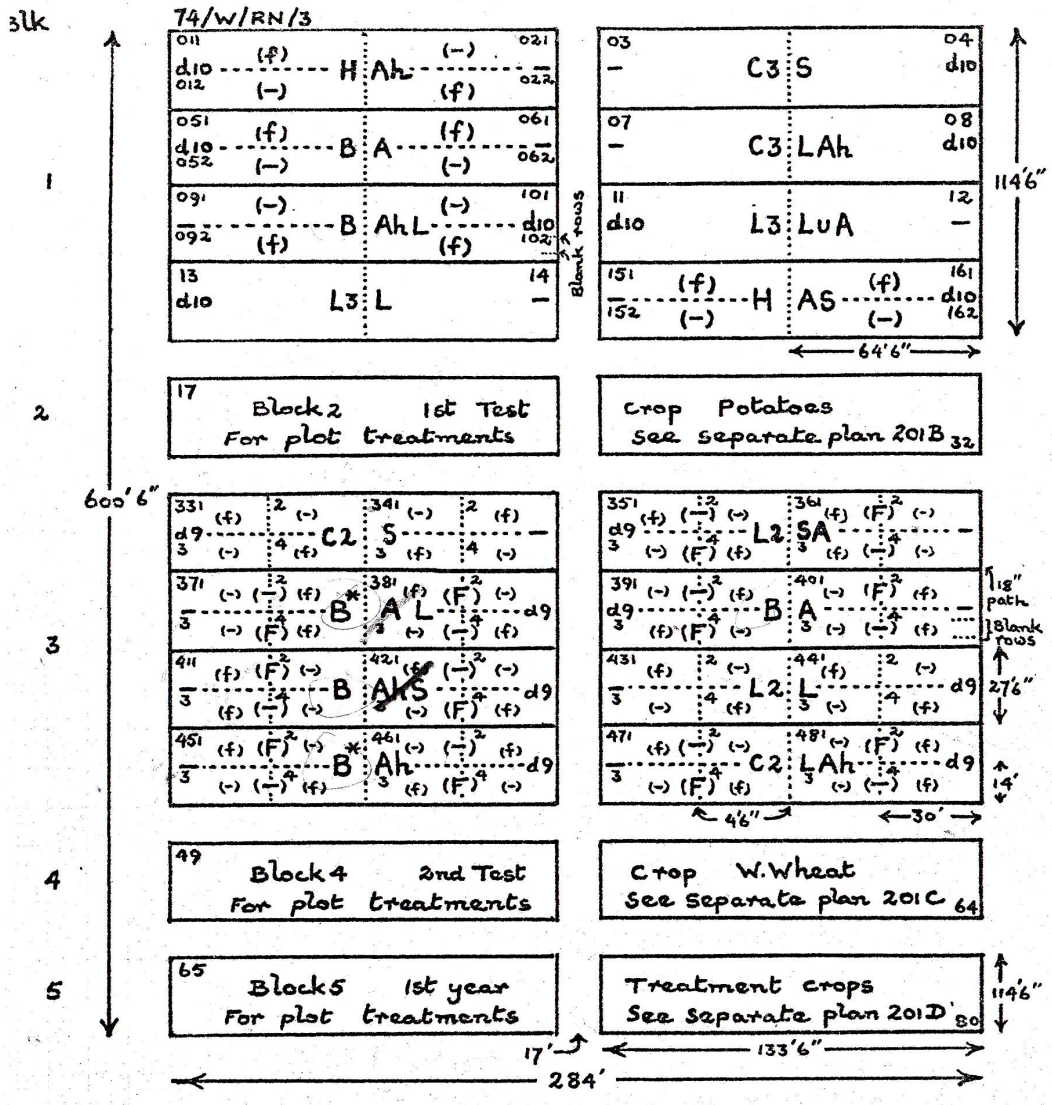
WOBURN ARABLE AND LEY ROTATION

37th year — STACKYARD "D" 1974 — 201A

→ N

Sponsors: D.A. Boyd, J.M. Hirst, A.E. Johnston, F.G.W. Jones



SYMBOLS

Rotations

3 years ARABLE A = Potatoes P, Barley B, Barley B.
Ah = Potatoes P, Barley B ⅓*, Hay H.

3 years LEY C = Red clover cut for hay (S = Sainfoin, Lu = Lucerne)
L = Ley, cut.

2nd and 3rd TREATMENT CROPS

Residues of fumigants applied to Potatoes 1971 - 2nd treatment crops 1974

(–), (f) None, 400lb (448kg) chloropicrin + 10lb (11.2kg) Aldicarb.

Residues of fumigants applied to 1st Treatment crops 1973 - 2nd treatment crops 197

(–), (F) None, 400lb (448kg) chloropicrin + 6lb (6.7kg) Aldicarb. (Applied to plots 35/36 & 47/48 in error.)

Residues of fumigants applied to Potatoes 1972 - 3rd treatment crops 1974.

(–), (f) None, 400lb (448kg) chloropicrin + 5lb (6kg) Aldicarb.

2nd and 3rd treatment Barley (Julia dressed ethirimol) sown:

337lb (418kg) compound fertiliser (15:15:15) C.D.

3rd treatment crop Hay ⅓ 1973 in Barley

1·0 cwt (126kg) N as 'Nitro-chalk' 25, 0·6 cwt (75kg) P_2O_5, 1·2 cwt (151kg) K_2O as (0:14:28) in Spring. 0·6 cwt (75kg) N, 0·4 cwt (50kg) K_2O as (25:0:16) after 1st cut.

2nd and 3rd year cut Ley

1·2 cwt (151kg) N, 0·9 cwt (113kg) K_2O as (25:0:16) in three equal dressings. Any dressing may be omitted or reduced in a wet season.

2nd and 3rd year clover

0·5 cwt (63kg) N as 'Nitro-chalk' 25, 1·5 (188kg) K_2O as muriate of potash, in spring.

ALL CROPS :- FYM

–, d Residual of none v. 15 tons (38 tonnes). FYM applied to Sugar beet 1962-67 (1st test crop).