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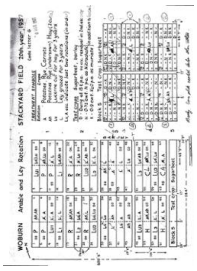
Collection of Plans for the Woburn Ley-arable Experiment



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Rothamsted Research

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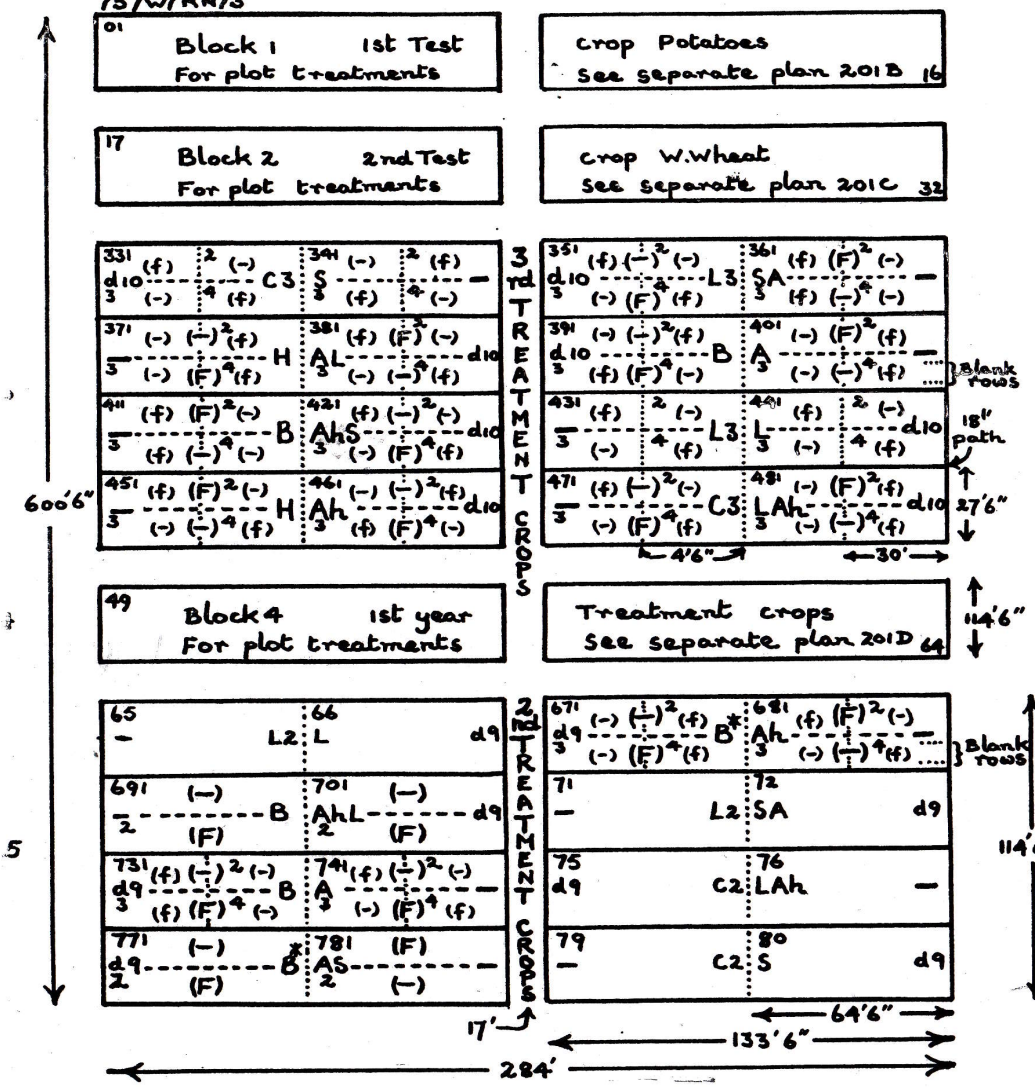
WOBURN ARABLE AND LEY ROTATION — 38th year — STACKYARD 'D' 1975 — 201A

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

75/w/RN/3



SYMBOLS

Rotations

3 years ARABLE A = Potatoes P, Barley B, Barley B.
Ah = Potatoes P, Barley B⅓s*, Hay H.

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

2nd and 3rd year TREATMENT CROPS

Residues of fumigants applied to potatoes 1972 – 2nd treatment crop 1975
(-),(f) None, 400lb (448kg) chloropicrin + 10lb (11.2kg) aldicarb.

Residues of fumigants applied to potatoes 1974 – 2nd treatment crop 1975
(-),(F) None, 200lb (224kg) 'Telone' + 6lb (6.7kg) aldicarb.

Residues of fumigants applied to 1st Test Crop Potatoes 1971 – 3rd treatment crop 1975
(-),(f) None, 400lb (448kg) chloropicrin + 10lb (11.2kg) aldicarb.

Residues of fumigants applied to 1st Treatment crop 1973 – 3rd treatment crop 1975
(-),(F) None, 400lb (448kg) chloropicrin + 6lb (6.7kg) aldicarb (applied to plots 35/36 & 47/48 in error).

2nd and 3rd treatment Barley (Julia dressed ethirimol) Resown: 1 May
365lb (409kg) compound fertiliser (15:15:15) C.D.

3rd treatment crop Hay ⅓s 1974 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 beat 1962-67 (1st test crop).

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