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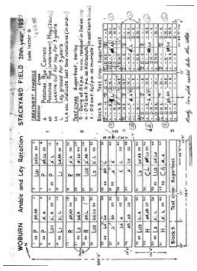
Collection of Plans for the Woburn Ley-arable Experiment



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Rothamsted Research

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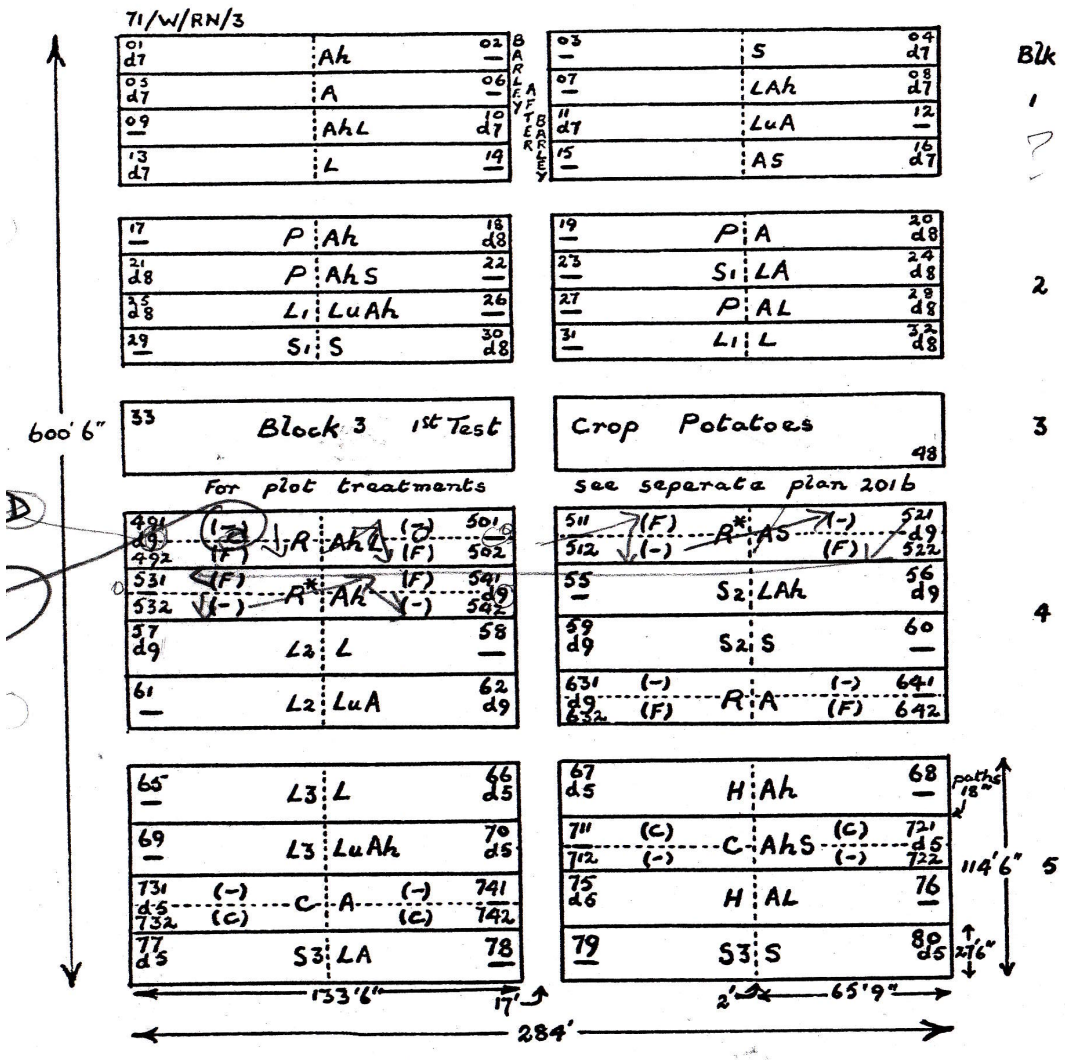
WOBURN ARABLE AND LEY ROTATIONS

N

STACKYARD "D" 34th year 1971



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1

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SYMBOLS

Rotations

3 years ARABLE A = Potatoes P, Rye R, Carrots C.
Ah = Potatoes P, Rye ⅓*, Hay H.

3 years LEY S = Sainfoin cut for hay (Lu = Lucerne)
L = Ley cut (No more grazing)

TEST CROPS In 4th and 5th years

	1st Test Crop	2nd Test Crop
1970	Barley	Barley
1971	Potatoes	Barley @ 150lb (168kg)

TREATMENTS:- Planted: 30 Mar. Sown: 10 Mar.

Residues of Fumigant applied to potatoes 1969 now carrots

(-), (C) None, Chloropicrin in autumn 1968

Residues of Fumigant applied to potatoes 1970 now rye

(-), (F) None, Chloropicrin in autumn 1969

BASAL MANURING per acre (hectare) for 2nd test crop & treatment crops.

2nd test crop barley - Julia.
0.5 cwt (63kg) N, 0.5 cwt (63kg) P_2O_5, 0.5 cwt (63kg) K_2O as (15:15:15)

1st treatment crop potatoes - Maris Piper
2.0 cwt (252kg) N, 2.0 cwt (252kg) P_2O_5, 3.0 cwt (376kg) K_2O as (13:13:20)

2nd treatment crop rye - King II
0.3 cwt (38kg) N as 'Nitro-chalk'21, 0.3 cwt (38kg) P_2O_5, 0.6 cwt (76kg) K_2O as (0:14:28).

3rd treatment crop carrots - Autumn King
0.6 cwt (76kg) N as 'Nitro-chalk'21, 0.6 cwt (76kg) P_2O_5 as superphosphate
1.8 cwt (226kg) K_2O as muriate of potash

All crops:-
FYM -, d. Residuals of none v 15 tons FYM applied to sugar beet 1962-67

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