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ROTHAMSTED
RESEARCH

Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS

Year	1972	1973	1974	1975	1976	1977	1978	1979
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Woburn Ley-arable 1972a

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1972a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 18 - 18

201 A

STACKYARD "D" 35th year 1972

SYMBOLS

Rotations

3 years ARABLE A = Potatoes P, Barley B, Barley B.

Ah = Potatoes P, Barley B $\frac{1}{2}$ *, Hay H.

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

L = Ley Cut

TEST CROPS In 4th and 5th years

1st Test Crop: Potatoes

2nd Test Crop: Barley

Winter Wheat (W)

planted: 29 Mar. Sown: Wheat: 22 Oct. Barley: 15 Nov

TREATMENTS:-

2nd Test Crop W/Wheat - Coppella dressed diadlin & fungicide

Nitrogen Rates/and Residues of Fungicides to Potatoes 1971

N0, N1, N2, N3 None, 0.5 cut (65kg), 1.0 cut (126kg), 1.5 cut (189kg) Nas Nitro-chalk 21

(-), (f) None, 400lb (448kg) chloropicrin + 100lb (12kg) of 10% granules of temik

BASAL MANURING per acre (hectare)

2nd Test crop W/Wheat - 260lb (291kg) of compound fertiliser (0:20:20) c.d.

2nd & 3rd Test Treatment crop Barley - Julia at 137lb (154kg)

370 lb of compound fertiliser (415kg) (15:15:15) c.d.

3rd Test Treatment crop Hay 28 1971 in Ry

1.0 cut (126kg) Nas Nitro-chalk 21, 0.6 cut (75kg) P₂O₅, 1.2 cut (151kg) K₂O as (0:14:28)

in spring. 0.6 cut (75kg) N, 0.4 cut (50kg) K₂O as (26:0:16) after 1st cut.

TREATMENT & BASAL MANURING per acre (hectare) 1st Test Treatment crop - potatoes

- F None, 400lb (448kg) chloropicrin in autumn 1971 + 50lb (56kg) Temik in spring.

2.0 cut (252kg) N, 2.0 cut (252kg) P₂O₅, 3.0 cut (376kg) K₂O as (3:13:20). (56kg old (ca 16)

Variety - Maris Piper planted: 29 March

All Crops:- FYM - d Residuals of None v. 15 tons (38 tonnes) FYM

applied to sugar beet 1962-67 (1st test crop).

ARABLE AND LEY ROTATIONS

WOBBURN

