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Collection of Plans for the Woburn Ley-arable Experiment

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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 1/2, Hay H.

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

L = Ley cut

TEST CROPS In 4th and 5th years

1st Test Crop Potatoes

2nd Test Crop Barley

Potatoes 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 (65 kg), 1.0 cut (136 kg), 1.5 cut (189 kg) Nas Nitro-chalk 21

(-), (f) None, 400 lb (448 kg) chloropicrin + 100 lb (112 kg) of 10% granules of temik

BASAL MANURING per acre (hectare)

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

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

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

3rd Test crop Hay 28 1971 in Ry

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

in spring, 0.6 cut (75 kg) N, 0.4 cut (50 kg) K2O as (25:0:16) after 1st cut.

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

- F None, 400 lb (448 kg) chloropicrin in autumn 1971 + 50 lb (56 kg) 10% Temik in spring.

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

Variety - Maris Piper planted: 29 March

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

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

ARABLE AND LEY ROTATIONS

WOBBURN

12/1/1973

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