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RESEARCH

Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS
STATIONARY FIELD EXPERIMENT
1957-79

Rotation	Year	Area (ha)	Soil	Plants	Plots	Replicates
1	1957	1.0	1	1	1	1
2	1958	1.0	1	1	1	1
3	1959	1.0	1	1	1	1
4	1960	1.0	1	1	1	1
5	1961	1.0	1	1	1	1
6	1962	1.0	1	1	1	1
7	1963	1.0	1	1	1	1
8	1964	1.0	1	1	1	1
9	1965	1.0	1	1	1	1
10	1966	1.0	1	1	1	1
11	1967	1.0	1	1	1	1
12	1968	1.0	1	1	1	1
13	1969	1.0	1	1	1	1
14	1970	1.0	1	1	1	1
15	1971	1.0	1	1	1	1
16	1972	1.0	1	1	1	1
17	1973	1.0	1	1	1	1
18	1974	1.0	1	1	1	1
19	1975	1.0	1	1	1	1
20	1976	1.0	1	1	1	1
21	1977	1.0	1	1	1	1
22	1978	1.0	1	1	1	1
23	1979	1.0	1	1	1	1

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

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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 = 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 diadrin & 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 (112kg) 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 Treatment crop Barley - Julia at 137lb (154kg)

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

3rd 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 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 (33:13:20). (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).

WOBURN ARABLE AND LEY ROTATIONS

