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Collection of Plans for the Woburn Ley-arable Experiment

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Woburn Ley-arable 1975a

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1975a* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 27 - 27

WOUBURN ARABLE AND LEY ROTATION 38th year → N Sponsors: D.A. Boyd, J.M. Hirst, A.E. Johnston, F.G.W. Jones STACKYARD 'D' 1975 201A

75/W/RM/3

01 Block 1 1st Test For plot treatments

17 Block 2 2nd Test For plot treatments

3rd TREATMENT CROPS

331 d10 3	(-) ² 4 (f)	341 S	(-) ² 4 (f)	(-) ² 4 (f)	(-) ² 4 (f)	361 SA	(f) ² 3 (f)	(f) ² 3 (f)	(-) ² 4 (f)
371 5	(-) ² 4 (f)	381 AL	(f) ² 3 (f)	(f) ² 3 (f)	(f) ² 3 (f)	401 B	(-) ² 4 (f)	(-) ² 4 (f)	(f) ² 3 (f)
411 5	(f) ² 3 (f)	421 AhS	(f) ² 3 (f)	(f) ² 3 (f)	(f) ² 3 (f)	441 L3	(f) ² 3 (f)	(f) ² 3 (f)	(-) ² 4 (f)
451 5	(f) ² 3 (f)	461 Ah	(-) ² 4 (f)	(-) ² 4 (f)	(-) ² 4 (f)	481 LAh	(f) ² 3 (f)	(f) ² 3 (f)	(f) ² 3 (f)

49 Block 4 1st year For plot treatments

2nd TREATMENT CROPS

65 2	(-) ² 4 (f)	66 L2	L	681 Ah	(f) ² 3 (f)	(f) ² 3 (f)	(f) ² 3 (f)	(-) ² 4 (f)
691 2	(f) ² 3 (f)	701 AhL	(-) ² 4 (f)	72 L2	SA	76 C2	LAh	(f) ² 3 (f)
731 3	(f) ² 3 (f)	741 B	(f) ² 3 (f)	781 B	(f) ² 3 (f)	80 AS	(f) ² 3 (f)	(-) ² 4 (f)

SYMBOLS

Rotations
3 years ARABLE A=Potatoes P, Barley B, Barley B, Barley B.
Ah=Potatoes P, Barley B 2/3, 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 (112kg) 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 rotations 1971 - 3rd treatment crop 1975
(-), (f) None, 400lb (448kg) chloropicrin + 10lb (112kg) 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.p.
3rd treatment crop Hay 1/2 1974 in Barley
1:0 cut (126kg) N as Nitro-chalk 2.5, 0.6 cut (75kg) P₂O₅, 12 cut (151kg) K₂O as (0:14:28) in spring. 0.6 cut (75kg) N, 0.4 cut (50kg) K₂O as (2.5:0:1.6) after 1st cut.
2nd and 3rd year cut Ley
12 cut (151kg) N, 0.9 cut (113kg) K₂O as (2.5:0:1.6) in three equal dressings.
Any dressing may be omitted or reduced in a wet season.

2nd and 3rd year clover
0.5 cut (63kg) N, as Nitro-chalk 2.5, 1.5 (138kg) K₂O as muricite of potash, in spring.
ALL CROPS :- FYM
- , d Residual of none v. 15 tons (38 tonnes). FYM applied to Sugar beet 1962-67 (1st test crop).

