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Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS

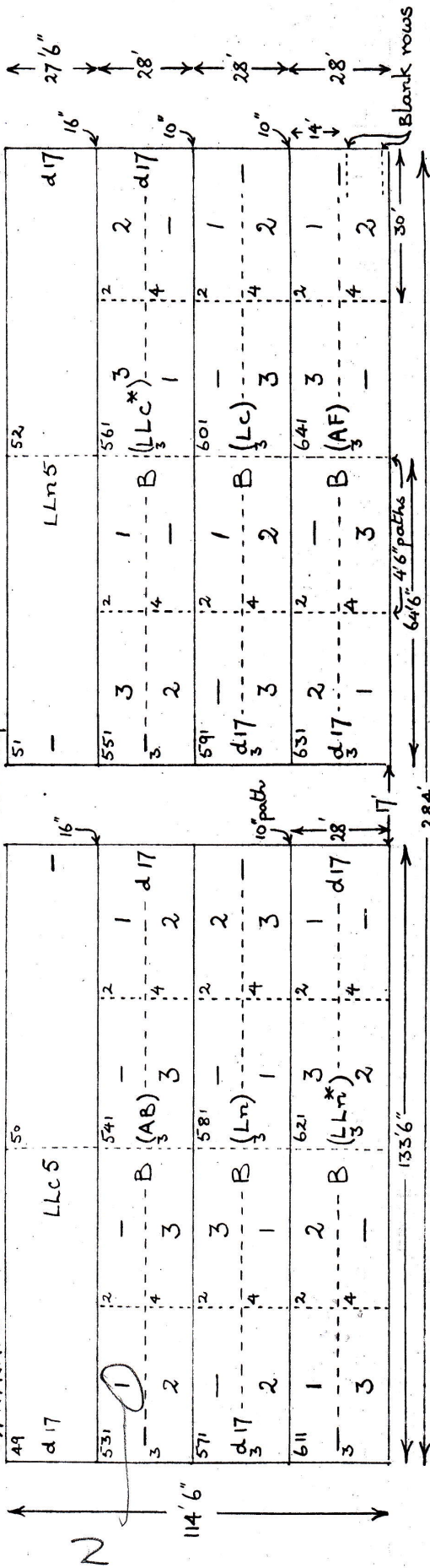
Year	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	
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Woburn Ley-arable 1979c

Rothamsted Research

Rothamsted Research (1957-79) *Woburn Ley-arable 1979c* ; Collection Of Plans For The Woburn Ley-Arable Experiment, pp 42 - 42

WOBURN ARABLE AND LEY ROTATION 42nd year STACKYARD 'D' 1979 201C
 Barley Block 4 Sponsors: A.E. Johnston, F.G.W. Jones, G.R. Salt
 2nd Test Crop



TREATMENTS per acre (hectare)
 -, d17 None, FYM residues - last applied 1962

Cropping
 B Barley Variety: Porthos (dressed with ethirimol)
 Sown at: 40lb (157kg) Date: 3 May
 8 year Grass/Ley with N } Resown 13 Oct 1976
 8 year Grass/clover Ley, No N }
 3 year treatment cropping: Barley, Barley, Oats
 3 year treatment cropping: Fallow, Fallow, Oats
 Ley with N } Previous alternating rotations.
 Ley with clover } ultimately 8yr leys-treated as 3yr leys (1/4th) during phasing in:
 3 year grass/Ley with N.
 3 year grass/clover Ley, No N.

Nitrogen to Barley
 -, 1, 2, 3 None, 0.4, 0.8, 1.2 cut N/acre
 (None, 50, 100, 150 kg/ha) N as 'Nitro-chalk' 26

STANDARD APPLICATION to Barley only
 Aldicarb at 10kg/ha (9lb/acre)

BASAL MANURING per acre (hectare)
 Barley: 270lb (300kg) compound fertilizer (0:20:20) C.D.
 Ley with N: 75kg (67lb) N, 48kg (43lb) K₂O as (25:0:16) applied in the Spring and after each cut except the last
 Ley with clover: 48kg (43lb) K₂O as muriate of potash in the Spring and after each cut except the last.

PLOT AREA
 Barley = 14' x 30' = 0.0096 acre (0.0039 ha)
 Harvested = 9'4" x 30' = 0.0064 acre (0.0026 ha)
 Ley with N and
 Ley with clover 27'6" x 64'6" = 0.0407 acre (0.0165 ha)