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# Collection of Plans for the Woburn Ley-arable Experiment

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WOBURN ARABLE AND LEY ROTATIONS  
STATIONARY FIELD EXPERIMENT  
1957-79

Treatment	Area (ha)	Year	Notes
1. 100% Arable	1.0	1957-79	
2. 100% Ley	1.0	1957-79	
3. 50% Arable / 50% Ley	1.0	1957-79	
4. 25% Arable / 75% Ley	1.0	1957-79	
5. 75% Arable / 25% Ley	1.0	1957-79	
6. 100% Arable (with N)	1.0	1957-79	
7. 100% Arable (with P)	1.0	1957-79	
8. 100% Arable (with K)	1.0	1957-79	
9. 100% Arable (with N, P, K)	1.0	1957-79	
10. 100% Arable (with N, P, K, S)	1.0	1957-79	
11. 100% Arable (with N, P, K, S, Zn)	1.0	1957-79	
12. 100% Arable (with N, P, K, S, Zn, Cu)	1.0	1957-79	
13. 100% Arable (with N, P, K, S, Zn, Cu, Mo)	1.0	1957-79	
14. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B)	1.0	1957-79	
15. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn)	1.0	1957-79	
16. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe)	1.0	1957-79	
17. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni)	1.0	1957-79	
18. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co)	1.0	1957-79	
19. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se)	1.0	1957-79	
20. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V)	1.0	1957-79	
21. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr)	1.0	1957-79	
22. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb)	1.0	1957-79	
23. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd)	1.0	1957-79	
24. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg)	1.0	1957-79	
25. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As)	1.0	1957-79	
26. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb)	1.0	1957-79	
27. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi)	1.0	1957-79	
28. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te)	1.0	1957-79	
29. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn)	1.0	1957-79	
30. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W)	1.0	1957-79	
31. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo)	1.0	1957-79	
32. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni)	1.0	1957-79	
33. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe)	1.0	1957-79	
34. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu)	1.0	1957-79	
35. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn)	1.0	1957-79	
36. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S)	1.0	1957-79	
37. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P)	1.0	1957-79	
38. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K)	1.0	1957-79	
39. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N)	1.0	1957-79	
40. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P)	1.0	1957-79	
41. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K)	1.0	1957-79	
42. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N)	1.0	1957-79	
43. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P)	1.0	1957-79	
44. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K)	1.0	1957-79	
45. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K, N)	1.0	1957-79	
46. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K, N, P)	1.0	1957-79	
47. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K, N, P, K)	1.0	1957-79	
48. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K, N, P, K, N)	1.0	1957-79	
49. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K, N, P, K, N, P)	1.0	1957-79	
50. 100% Arable (with N, P, K, S, Zn, Cu, Mo, B, Mn, Fe, Ni, Co, Se, V, Cr, Pb, Cd, Hg, As, Sb, Bi, Te, Sn, W, Mo, Ni, Fe, Cu, Zn, S, P, K, N, P, K, N, P, K, N, P, K, N, P, K)	1.0	1957-79	

## Woburn Ley-arable 1963

### Rothamsted Research

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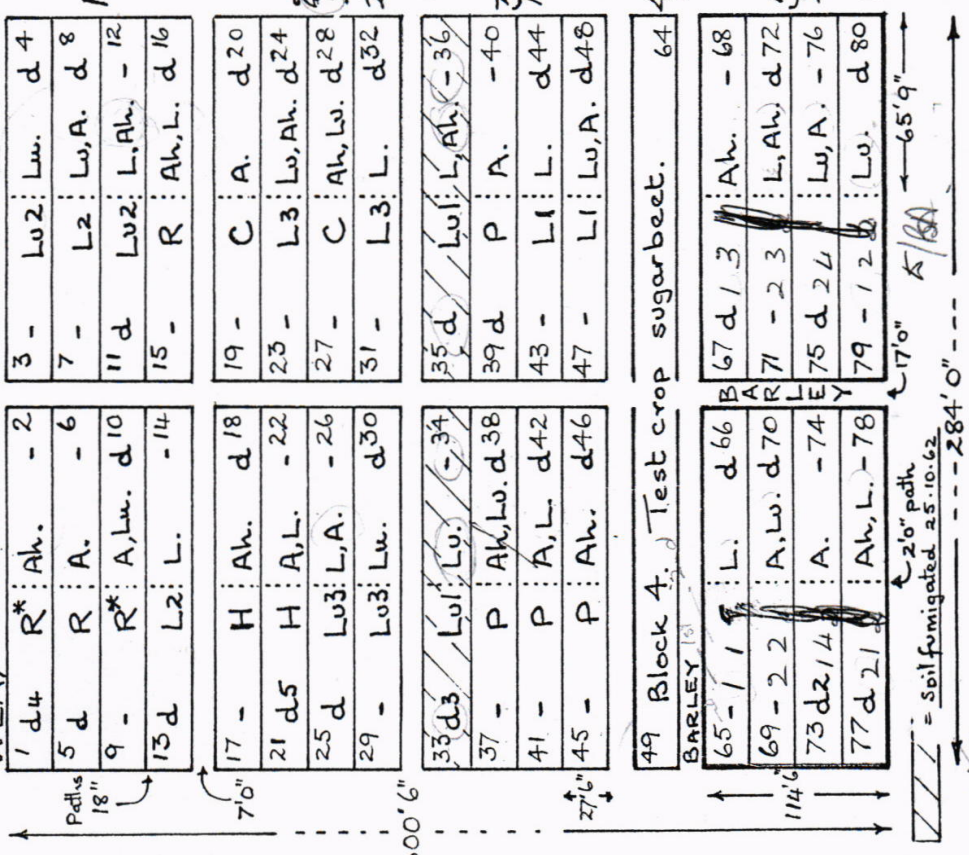
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# WOBURN Arable and Ley Rotations

# STACKYARD 26th year 1963

WLA/

TREATMENT CROPS



SYMBOLS

Rotations: 3 years Arable  
 3 years Ley

Test Crops: SUGAR BEET, BARLEY. (In 4th and 5th year)  
 TREATMENTS TO SUGAR BEET  
 D FYM at 15 tons per acre [d = FYM residuals]  
 N 0.72 cut N per acre as 'Nitro-Chalk 21'  
 K 0.9 cut K<sub>2</sub> per acre as muriate of potash.  
 Mg 500lb Magnesium sulphate per acre.

BLOCK 4 TEST CROP SUGAR BEET.

49 Mg	DNK	-	50 Mg	-N-	-	51 Mg	-N-	-	52 DNK	Mg
53 Mg	D <sup>0</sup>	-	54 Mg	-	-	55 Mg	-	-	56 Mg	-
57 Mg	DNK	-	58 Mg	-	-	59 Mg	D-K	-	60 Mg	-
61 Mg	-	-	62 Mg	-	-	63 Mg	DNK	Mg	64	-
65 Mg	DNK	-	66 Mg	-	-	67 Mg	DNK	Mg	68	-
69 Mg	-	-	70 Mg	-	-	71 Mg	-	-	72	-
73 Mg	-	-	74 Mg	-	-	75 Mg	-	-	76	-
77 Mg	-	-	78 Mg	-	-	79 Mg	-	-	80	-

17'0" path  
 2'0" path  
 65'9"  
 133'6"  
 65'9"  
 17'0"  
 2'0" path  
 25.10.62