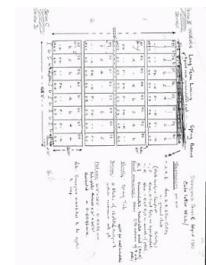


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# Collection of Plans for the Woburn Long-term Liming Experiment

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## Woburn Long-term Liming Experiment 1978

### Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1978 ; Collection Of Plans For The Woburn Long-Term Liming Experiment*, pp 15 - 15

WOBBURN LONG-TERM LIMING

Barley

17th year STACKYARD series C 1978 212  
Sponsor: J. Bolton

Plot Area:  $21' \times 60' = 0.0289$  acre (0.017 ha)

78/w/csi/o

18"

TREATMENTS per acre (hectare)

Whole Plots

O, L, M, H None, 1, 2, 4  $\frac{3}{4}$ , 7  $\frac{1}{2}$  tons (None, 5, 12, 19 tonnes) CaCO<sub>3</sub>

applied as ground chalk (1962-63)

pH of soil samples taken Feb 1975

0.5 cwt (63 kg) P<sub>2</sub>O<sub>5</sub> as superphosphate

1.0 cwt (126 kg) K<sub>2</sub>O as muriate of potash in seedbed

Half plots

- Mg None, 100 lb (12 kg) Mg as sulphate of magnesia (10% N

- Mg

None, 100 lb (12 kg) Mg as sulphate of magnesia (10% N

BASAL MANURING per acre (hectare)

1.0 cwt (126 kg) N as Nitro-chalk 25

Note: P, K and Mg treatments cumulative (Mg in 1974, 1976, 1977 & 19

78)

3 paths

↓

33	34	35	36	37	38	39	40
Mg	Mg	-	Mg	Mg	-	-	Mg
O	L	H	K	M	O	L	H
-	-	PK	K	P	K	P	K
2	-	-	Mg	-	-	Mg	-
45	56	66	54	63	46	53	68
41	42	43	44	45	46	47	48
PH	2	2	2	2	2	2	2
O	M	O	M	H	L	M	H
PK	Mg	P	PK	P	PK	K	-
252'	2	2	2	2	2	2	2
48	50	51	52	53	54	55	56
PH	49	50	51	52	53	54	55
-	-	Mg	-	-	Mg	-	Mg
L	K	M	O	P	H	O	P
-	-	PK	K	P	PK	-	28'6"
2	Mg	Mg	-	Mg	Mg	-	3'
55	54	65	46	47	67	47	56
PH	57	58	59	60	61	62	63
1	Mg	-	-	Mg	Mg	-	Mg
H	L	H	O	M	H	M	60'
K	PK	H	PK	-	P	K	-
2	Mg	Mg	-	-	Mg	-	-
PH	67	55	70	50	64	70	63
168'	168'	168'	168'	168'	168'	168'	168'

↑ No paths ← 21' → Blank rows ↓ 18"

DESIGN: 2 blocks of 16 plots

VARIETY: Portus (dressed with ethimium)  
Seed rate: 145 lb (162 kg)  
Sown: 15 Mar  
Resown: 3 Apr

PLOT AREA: harvested:  $21' \times 60' = 0.0289$  acre (0.017 ha)