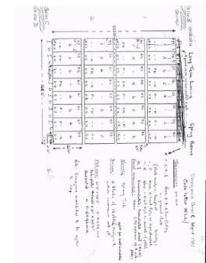


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Collection of Plans for the Woburn Long-term Liming Experiment

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Woburn Long-term Liming Experiment 1977

Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1977 ; Collection Of Plans For The Woburn Long-Term Liming Experiment*, pp 14 - 14

WOBURN LONG-TERM LIMING

Spring Oats 16th year STACK YARD series c 1977 212
Sponsor: J. Bolton

77/w/cs/10										18'	
1. Mg	Mg	-	Mg	Mg	-	-	39	40			
2. -	-	L	H	L	M	O	L	H			
PK	-	K	-	P	-	K	P	-			
2. -	Mg	-	-	Mg	-	Mg	Mg	-			
4.5	5.6	6.6	5.4	6.3	4.6	5.3	6.8				
4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8				
1. Mg	-	-	Mg	-	Mg	Mg	-				
2. O	M	O	M	H	L	M	H				
PK	-	Mg	PK	P	PK	-	Mg	-			
2. -	Mg	Mg	-	Mg	-	Mg	Mg	-			
4.8	6.1	4.9	6.1	6.7	5.4	6.4	7.0				
25 2' PH	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6			
1. -	-	Mg	-	-	Mg	-	Mg	-			
2. L	L	M	O	H	O	L	P				
PK	-	K	O	PK	-	P	-				
2. Mg	Mg	-	Mg	Mg	-	Mg	-				
5.5	5.4	6.5	4.6	4.7	6.7	4.7	5.6				
PH	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4			
1. Mg	-	-	-	Mg	Mg	-	Mg	-			
2. K	L	H	O	M	H	P	M				
PK	-	PK	-	M	P	-	M	-			
2. -	Mg	Mg	Mg	-	-	Mg	-				
' PH	6.7	5.5	7.0	5.0	6.4	7.0	6.3	6.6			

TREATMENTS per acre (hectare)

Whole Plots

O, L, M, H None, 2, 4½, 7½ tons (None, 5, 12, 19 tonnes) CaCO_3 applied as ground chalk (1962-63)

pH of soil samples taken Feb 1975

0.5 cwt (63kg) P2O5 as superphosphate

1.0 cwt (126kg) K2O as muriate of potash } in seedbed

Half Plots - Mg None, 100lb (112kg) Mg as sulphate of magnesia (MgSO_4)

Note: P, K and Mg treatments cumulative (Mg in 1974, 76 & 1977 only)

BASAL MANURING per acre (hectare)
340lb (380kg) Nitro-chalk, 25

VARIETY Manod Sown at : 180lb (202kg) Date : 31 Mar.

DESIGN 2 blocks of 16 plots, split into 2

PLOT AREA $21 \times 60' = 0.0229$ acre (0.017 ha)

Sub-plot harvested: $9.4 \times 28.6'' = 0.0061$ acre (0.00246 ha)

Previous cropping 1962-64 Spring beans, 1965-67 barley, 1968 potatoes, 1969 fallow, 1970-73 barley, 1974 potatoes, 1975 Spring oats, 1976 Spring oilseed rape.

↓ No paths ← 21' → Blank rows 18"

→ 16' ↓