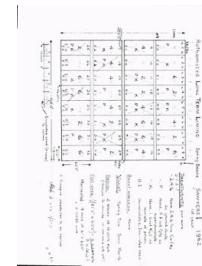


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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Rothamsted Long-term Liming Experiment 1976

Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1976* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 12 - 12

1976²³

Rothamsted LONG TERM LIMING

Spr. Oilseed Rape
15th Year

sponsor: J. Bolton

76/R/CS/10								SPT. OILSEED RAPES	
TREATMENTS								per acre (hectare)	
Whole Plot								O, L, M, H	
								P, K, Mg	
Lime P ₂ O ₅ K ₂ O	1	01	02	03	04	05	06	07	08
Mg	1	Mg	Mg	Mg	-	-	Mg	Mg	Mg
P	2	P	K	H	P	P/K	M	L	H
K	2	-	-	-	-	Mg	Mg	-	-
PH	4.5	4.3	6.5	5.0	4.4	5.1	5.1	6.7	
O9	10	11	12	13	14	15	16		
Mg	1	Mg	Mg	Mg	-	Mg	Mg		
M	1	M	O	P/K	-K	P/K	H	P/M	
K	2	-	Mg	-	-	Mg	-	-	
5.5	4.3	5.0	4.8	5.6	6.5	6.5	6.0		
25	2	17	18	19	20	21	22	23	24
Mg	1	Mg	Mg	-	-	Mg	-	Mg	
M	1	M	O	P	M	K	P	P	
K	2	-	M	-	-	P/K	-	-	
Mg	2	-	P/K	-	Mg	-	Mg	-	
5.5	5.4	5.7	4.5	5.4	4.9	4.6	5.1	27'	5'
25	26	27	28	29	30	31	32	27'	5'
Mg	1	-	-	Mg	-	Mg	-		
P	1	P	O	H	P/K	K	H		
K	2	-	-	-	-	-	-		
Mg	2	Mg	Mg	Mg	1	Mg	-		
5.0	4.9	6.6	6.5	4.2	4.7	6.6	6.7		

↑ No paths
→ 21' →
31 rows at 8"

Previous cropping:
1965-67 barley, 1968 potatoes, 1969 fallow
1970-73 barley, 1974 potatos, 1975 oats

Sown by Nordester drill in 8" rows

168'

Variety: Maris Wafürrow set 5 t/acre (60g/ha) man.

on 26 May

DESIGN: 2 blocks of 16 plots split into 2

Plot area: 21' x 60' = 0.029 acre (0.0117 ha)
Sub-plot harvested 15 min. at 8"

10' x 27' = 0.0062 acre (0.0025 ha)

Note: P, K, Mg treatments cumulative (Mg in 1974 + 76 only)

Basal manuring per acre (hectare)
600 lb (675 kg) 'Nitro-chalk' 25

CaCO₃ as ground chalk (1962-68)
PH of soil sample taken Jan 1975
Broadcast in
1.0 cwt (125 kg) K₂O as muriate of sodium

Half plots

None, 2, 4, 8 tons (-, 5, 10, 20 tonnes)

CaCO₃ as ground chalk (1962-68)
PH of soil sample taken Jan 1975