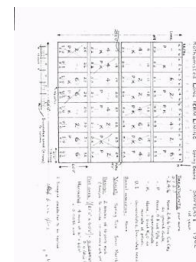


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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Rothamsted Long-term Liming Experiment 1973

Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1973* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 9 - 9

Rothamsted LONG TERM LIMING

Barley

SAWYERS 12th Year 1973²⁴
Sponsors: J. Bolton, D.B. Slope

73/R/CS/10

01	02	03	04	05	06	07	08
10	0	H	L	O	M	L	H
P	-K	-	P	P/K	-	-	P
4.5	4.4	7.5	5.1	4.5	5.5	5.4	7.4
09	10	11	12	13	14	15	16
M	-	L	-K	M	H	H	M
-K	-	P/K	-K	P/K	-K	P/K	P-
6.0	4.4	5.2	5.0	6.0	7.0	7.0	6.4
17	18	19	20	21	22	23	24
M	M	M	O	M	L	O	L
-K	P/K	-	P	P	-K	P/K	P
6.3	6.0	6.3	4.4	5.8	5.3	4.6	5.4
25	26	27	28	29	30	31	32
L	O	H	H	O	L	H	H
P/K	-	-K	P/K	-K	-	P	-
5.2	4.4	7.1	7.0	4.4	4.9	7.0	7.3

PH 252'

PH 168'

No paths

Blank rows

60'

21'

Paths

TREATMENTS per acre (hectare)

O, L, M, H

None, 2, 4, 8 tons (-1/5, 10, 20 tonnes)
CaCO₃ as ground chalk (1962-63)

PH

PH of soil samples taken Nov. 1972

In Seedbed - applied broadcast

P

0.5 cwt (63 kg) P₂O₅ as superphosphate

K

1.0 cwt (125 kg) K₂O as muriate of potash

Basal manuring, per acre (hectare)

0.75 cwt (94 kg) N as 'Nitro-Chalk' 25

combine drilled

Variety: Julia - seed dressed with ethirimol

Sown at 140 lb (157 kg/ha) on 12 Nov. 1973

Design: 2 blocks of 16 plots

Plot area: 21' x 60' = 0.0289 acre (0.012 ha)

Harvested: 9'4" x 60' = 0.0129 acre (0.0052 ha)

Previous crops: Fallow 1969, Barley 1970, 1971, 1972