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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 1973
Sponsors: J. Bolton, D. B. Slope

73/R/CS/10

Plot No.	Treatment	pH
01	P	4.5
02	L	4.4
03	H	7.5
04	L	5.1
05	P/K	4.5
06	M	5.5
07	L	5.4
08	H	7.4
09	M	6.0
10	L	4.4
11	L	5.2
12	L	5.0
13	M	6.0
14	H	7.0
15	H	7.0
16	M	6.4
17	M	6.3
18	M	6.0
19	M	6.3
20	L	4.4
21	M	5.8
22	L	5.3
23	L	4.6
24	L	5.4
25	L	5.2
26	L	4.4
27	H	7.1
28	H	7.0
29	L	4.4
30	L	4.9
31	H	7.0
32	H	7.3

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