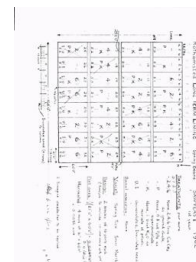


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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Rothamsted Long-term Liming Experiment 1970

Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1970* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 6 - 6

1970
(781)

Rothamsted LONG TERM LIMING

Barley 9th year SAWYERS I 1970 24
Sponsors: J. Bolton, D.B. Slope

70/R/CS/10

	01	02	03	04	05	06	07	08
	O	O	H	L	O	M	L	H
	P ₀	OK	O ₀	P ₀	PK	O ₀	O ₀	P ₀
pH	4.8	4.8	7.8	5.3	4.7	6.0	5.8	7.7
	09	10	11	12	13	14	15	16
	M	O	L	L	M	H	H	M
	OK	O ₀	PK	OK	PK	OK	PK	P ₀
pH	6.5	4.8	5.6	5.4	6.5	7.7	7.8	6.9
	17	18	19	20	21	22	23	24
	M	M	M	O	M	L	O	L
	OK	PK	O ₀	P ₀	P ₀	OK	PK	P ₀
pH	6.9	6.8	6.6	5.0	6.5	5.7	5.1	5.9
	25	26	27	28	29	30	31	32
	L	O	H	H	O	L	H	H
	PK	O ₀	OK	PK	OK	O ₀	P ₀	O ₀
pH	5.6	5.0	7.7	7.6	4.8	5.3	7.6	7.8

168'

No paths

60'

Blank rows

Note: In 1969 the land was fallowed and subsoiled (5 Aug)

TREATMENTS, per acre

O, L, M, H None, 2, 4, 8 tons CaCO₃ as ground chalk (1962-63)

pH pH of samples taken Dec. 1968

In seedbed - applied broadcast

P 0.5 cut P₂O₅ as superphosphate
K 1.0 cut K₂O as muriate of potash

Basal manuring, per acre

0.75 cut N as 'Nitro-Chalk' 21 combine drilled.

Variety: Julia

sown at 140 lb per acre on 28 March.

Design: 2 blocks of 16 plots

Plot area: 21' x 60' = 0.0289 acre

Harvested: 9'4" x 60' = 0.0129 acre