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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

ZO/R/CS/110

	01	02	03	04	05	06	07	08
	O	O	H	L	O	M	L	H
	P $\bar{0}$	OK	$\bar{0}$ $\bar{0}$	P $\bar{0}$	PK	$\bar{0}$ $\bar{0}$	$\bar{0}$ $\bar{0}$	P $\bar{0}$
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	$\bar{0}$ $\bar{0}$	PK	OK	PK	OK	PK	P $\bar{0}$
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	$\bar{0}$ $\bar{0}$	P $\bar{0}$	P $\bar{0}$	OK	PK	P $\bar{0}$
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	$\bar{0}$ $\bar{0}$	OK	PK	OK	$\bar{0}$ $\bar{0}$	P $\bar{0}$	$\bar{0}$ $\bar{0}$
pH	5.6	5.0	7.7	7.6	4.8	5.3	7.6	7.8

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 cwt P₂O₅ as superphosphate
K 1.0 cwt K₂O as muriate of potash
Basal manuring, per acre
0.75 cwt 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
Note: In 1969 the land was fallowed and subsoiled (5 Aug)