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# Collection of Plans for the Rothamsted Long-term Liming Experiment

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## Rothamsted Long-term Liming Experiment 1972

### Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1972* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 8 - 8

# Rothamsted LONG TERM LIMING

11th Year

Barley

SAWYERS I 1972 24

Sponsors: J. Bolton, D.B. Slope

## TREATMENTS per acre (hectare)

O.L.M.H None, 2, 4, 8 tons (none, 5, 10, 20 tonnes)  
CaCO<sub>3</sub> as ground chalk (1962-63)

PH PH of soil samples taken 28 Sep 1970  
In Seedbed - applied broadcast

P 0.5 cwt (63 kg) P<sub>2</sub>O<sub>5</sub> as superphosphate  
K 1.0 cwt (125 kg) K<sub>2</sub>O as muriate of potash

Basal manuring, per acre (hectare)  
0.75 cwt (94 kg) N as 'Nitro-chalk' 21  
combine drilled.

Variety: Tulia seed dressed with 'Milstem'.

Sown at 140 lb per acre (157 kg/ha): 20 March

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

72/R/CS/10		Barley							
		11th Year							
		01	02	03	04	05	06	07	08
		<del>PH</del>	<del>OK</del>	<del>PH</del>	<del>L</del>	<del>OK</del>	<del>M</del>	<del>L</del>	<del>H</del>
		4.5	4.6	7.7	4.8	4.4	5.2	5.2	7.2
		09	10	11	12	13	14	15	16
		M	O	L	L	M	H	H	M
		OK	4.3	PK	OK	PK	OK	PK	PK
		6.2	4.3	5.6	5.0	6.1	7.5	7.3	6.3
		17	18	19	20	21	22	23	24
		M	M	M	O	M	L	O	L
		OK	PK	OK	PK	PK	OK	PK	PK
		6.5	6.1	6.2	4.6	5.8	5.3	4.7	5.5
		25	26	27	28	29	30	31	32
		L	O	H	H	O	L	H	H
		PK	4.6	OK	PK	OK	OK	PK	OK
		5.4	4.6	7.6	7.3	4.4	5.1	7.2	7.3
		No paths							
		Blank rows							