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ROTHAMSTED  
RESEARCH

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

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## Rothamsted Long-term Liming Experiment 1978

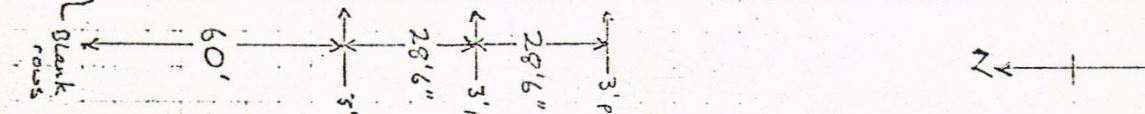
### Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1978* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 14 - 14

Rothamsted LONG-TERM LIMING

78/R/C/S/110

PH	01	02	03	04	05	06	07	08
	Mg	Mg	Mg	L	O	M	Mg	Mg
	O	O	H	P	PK	L	L	H
	P	K	-	Mg	Mg	Mg	-	P
PH	4.5	4.3	6.5	5.0	4.4	5.1	5.1	6.7
	09	10	11	12	13	14	15	16
	Mg	O	Mg	Mg	Mg	H	H	Mg
	M	-	L	L	M	K	PK	M
	K	-	PK	K	PK	K	PK	P
PH	5.5	4.3	5.0	4.8	5.6	6.5	6.5	6.0
	17	18	19	20	21	22	23	24
	M	Mg	Mg	O	M	Mg	O	Mg
	K	PK	-	P	P	L	PK	L
	Mg	-	-	Mg	Mg	-	Mg	-
PH	5.5	5.4	5.7	4.5	5.4	4.9	4.6	5.1
	25	26	27	28	29	30	31	32
	L	O	H	H	Mg	L	H	Mg
	PK	-	K	PK	O	-	P	H
PH	5.0	4.4	6.6	6.5	4.2	4.7	6.6	-



Barley SAUVEKES, I 17th Year 1978  
 Sponsor J. Bellver

TREATMENTS

Whole Plots

O, L, M, H

PH

P

K

per acre (hectare)

None, 2, 4, 8 tons (0, 5, 10, 20 tonnes)

CaCO<sub>3</sub> as ground chalk (1962-63)

PH of soil sample taken Jan 1975

0.5 t (65 kg) P<sub>2</sub>O<sub>5</sub>

as superphosphate

1.0 t (125 kg) K<sub>2</sub>O

as muriate of potash

1962-78

Half Plots

Mg

1974-77 (except 1975) Mg as Epsom salt

Basal manuring per acre (hectare)

Nitro-chalk only at 336 lb (377 kg)

Variety

Porthos at 140 lb/acre (157 kg/ha) sown 19 April

Design

2 blocks of 16 plots split into 2

Plot area

21' x 60' = 0.029 acre (0.0117 ha)

Sub plot

9'4" x 28'6" = 0.0061 acre (0.00246 ha)

Previous cropping

1962-64 5 beans, 1965-67 barley, 1968 potatoes,

1969 fallow, 1970-73 barley, 1974 potatoes,

1975 oats, 1976 oilseed rape, 1977 oats