

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

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

[Full Table of Content](#)

## Rothamsted Long-term Liming Experiment 1978

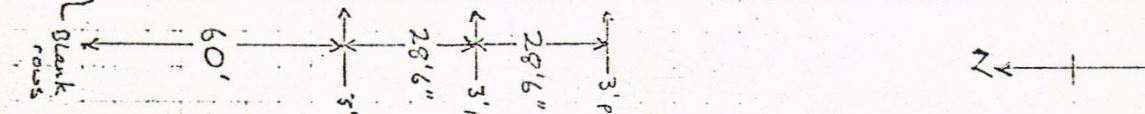
### Rothamsted Research

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  
SAVYER, I 19th Year 1978  
Sponsor - J. Bellin

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

plot harvested 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