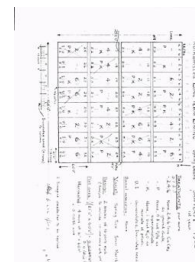


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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Rothamsted Long-term Liming Experiment 1982

Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1982* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 16 - 16

ROTHAMSTED LONG TERM LIMING S. OATS SAWYERS I 21st YEAR 1982

Sponsors: S. McBrat, D. P. Stribley

52/R/CS/10

01	02	03	04	05	06	07	08
P ₁	P ₁	-	P ₂	P ₃	-	-	P ₂
09	10	11	12	13	14	15	16
m	o	L	L	m	H	H	m
P ₁	-	P ₃	P ₁	P ₃	P ₁	P ₃	P ₂
17	18	19	20	21	22	23	24
m	m	m	o	m	L	o	L
P ₁	P ₃	-	P ₂	P ₂	P ₁	P ₃	P ₂
25	26	27	28	29	30	31	32
L	o	H	H	o	L	H	H
P ₃	-	P ₁	P ₃	P ₁	-	P ₂	-

168' 10 paces

60' 3 paces

252'

TREATMENTS OF P & K

until winter 1978	1981	1982	Rate of P in 1982
-	-K	K	None
P ₁	K	P ₁ K	50 kg P ha ⁻¹
P ₂	P	P ₁ K	None
P ₃	PK	P ₃ K	50 kg P ha ⁻¹

P & K until 1978 cumulative rates depended on crop

In 1981 25, 75 kg P ha⁻¹

P₁, P₃ 120 kg K ha⁻¹

LIME TREATMENTS

(Total 1962-1978 t ha ⁻¹)	winter 1981/82 t ha ⁻¹
o None	None
L 7	2
m 15	5
H 30	10

BASAL MANURING

N Nitro chalk at 80 kg N ha⁻¹

K Murate of potash at 120 " " K "

Mg Epsom Salts at 40 " " Mg "

VARIETY Peniarth

DESIGN 2 blocks of 16 plots

PLOT AREA 21' x 60' = 0.029 ac (0.0117 ha)

Harvested 9'4" x 60' = 0.013 ac (0.0052 ha)

PLOT ARRANGEMENT

11 No weedkillers or pesticides without

Sponsors consent

11 All operations by farm

3 16 3 12 rows

W. SIDE

2 drill widths

1 drill width

14' 7'