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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Rothamsted Long-term Liming Experiment 1963

Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1963* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 2 - 2

Rothamsted Long Term Liming

Spring Beans

Sawyers I 2nd year

1963. 18

LL/Be.	1	2	3	4	5	6	7	8
V	V	H	L	V	M	L	L	H
P	K	4	2	P	3	2	2	4
5.0	5.1	7.2	6.1	4.8	6.8	6.3	7.4	
9	10	11	12	13	14	15	16	
M	V	L	L	M	H	H	M	
3	1	2	2	3	4	4	3	
K	-	PK	K	PK	K	PK	P	
6.8	5.0	6.2	6.0	7.0	7.1	7.3	7.0	
17	18	19	20	21	22	23	24	
M	M	M	V	M	L	V	L	
3	3	3	1	3	2	1	2	
K	PK	-	P	P	K	PK	P	
7.0	7.2	7.1	5.0	7.0	6.0	5.1	6.4	
25	26	27	28	29	30	31	32	
L	V	H	H	V	L	H	H	
2	1	4	4	1	2	4	4	
PK	-	K	PK	K	-	P	-	
6.3	5.2	7.3	7.1	5.0	6.0	7.1	7.2	

252'0" PH

168'0"

21'0"

60'0"

Cross Paths 4'0"

TREATMENTS per acre

1 2 3 4
V, L, M, H

None, 2, 4, 8 tons CaCO₃ as ground chalk.

(Lime applied at -, 2, 4, 6 tons per acre in 1962. an extra 2 tons p.a. to 'H' in 1963) PH of soils after 1962 harvest

P 0.5 cut P₂O₅ as superphosphate
K 1.0 cut K₂O as muriate of potash.

Basal manuring: None. On Apr. 18. Crop sprayed with simagine, 1lb ai in 40gal.

Variety: Gartons 308 at 200lb per acre. Sown: April 8.

Design: 2 blocks of 16 plots each. (Analysis to include co-variance with PH.)

Symbols: V. Very low PH. L. Low
M. Medium H. High PH.

Plot area: 21'0" x 60'0" = 0.0289 acre
Harvested: 5 rows @ 21" x 60'0" = 0.0121 acre.