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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	

**TREATMENTS** per acre  
 1 V, L, M, H  
 2 None, 2, 4, 8 tons CaCO<sub>3</sub>  
 3 as ground chalk.  
 4 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 P<sub>2</sub>O<sub>5</sub> as superphosphate  
 K 1.0 cut K<sub>2</sub>O 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.

Dimensions: 252'0" (width), 168'0" (length), 21'0" (row width), 60'0" (plot length).  
 Cross paths 4'0"