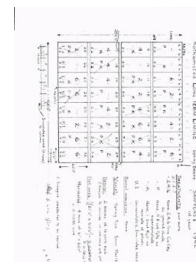


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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Plot	Liming	Harvest	Yield	Analysis
1	0	1963	1.2	1.2
2	1	1963	1.5	1.5
3	2	1963	1.8	1.8
4	3	1963	2.1	2.1
5	4	1963	2.4	2.4
6	5	1963	2.7	2.7
7	6	1963	3.0	3.0
8	7	1963	3.3	3.3
9	8	1963	3.6	3.6
10	9	1963	3.9	3.9

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
Treatments	V P	V K	H 4	L 2	V PK	M 3	L 2	H 4
Per acre	None	2, 4, 8 tons CaCO ₃ 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								
PH	5.0	5.1	7.2	6.1	4.8	6.8	6.3	7.4
P	9	10	11	12	13	14	15	16
K	M 3	V 1	L 2	L 2	M 3	H 4	H 4	M 3
PH	6.8	5.0	6.2	6.0	7.0	7.1	7.3	7.0
PH	7.0	7.2	7.1	5.0	7.0	6.0	5.1	6.4
PH	25	26	27	28	29	30	31	32
PK	L 2	V 1	H 4	H 4	V 1	L 2	H 4	H 4
PK	6.3	5.2	7.3	7.1	5.0	6.0	7.1	7.2

TREATMENTS
1 2 3 4
V, L, M, H

Per acre
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 cwt P₂O₅ as superphosphate
K 1.0 cwt K₂O as muriate of potash.

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

Variety: Gairtons 308 at 200 lb 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.