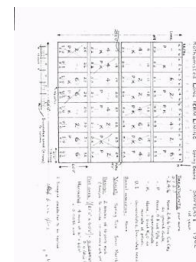


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Collection of Plans for the Rothamsted Long-term Liming Experiment

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Rothamsted Long-term Liming Experiment 1974

Rothamsted Research

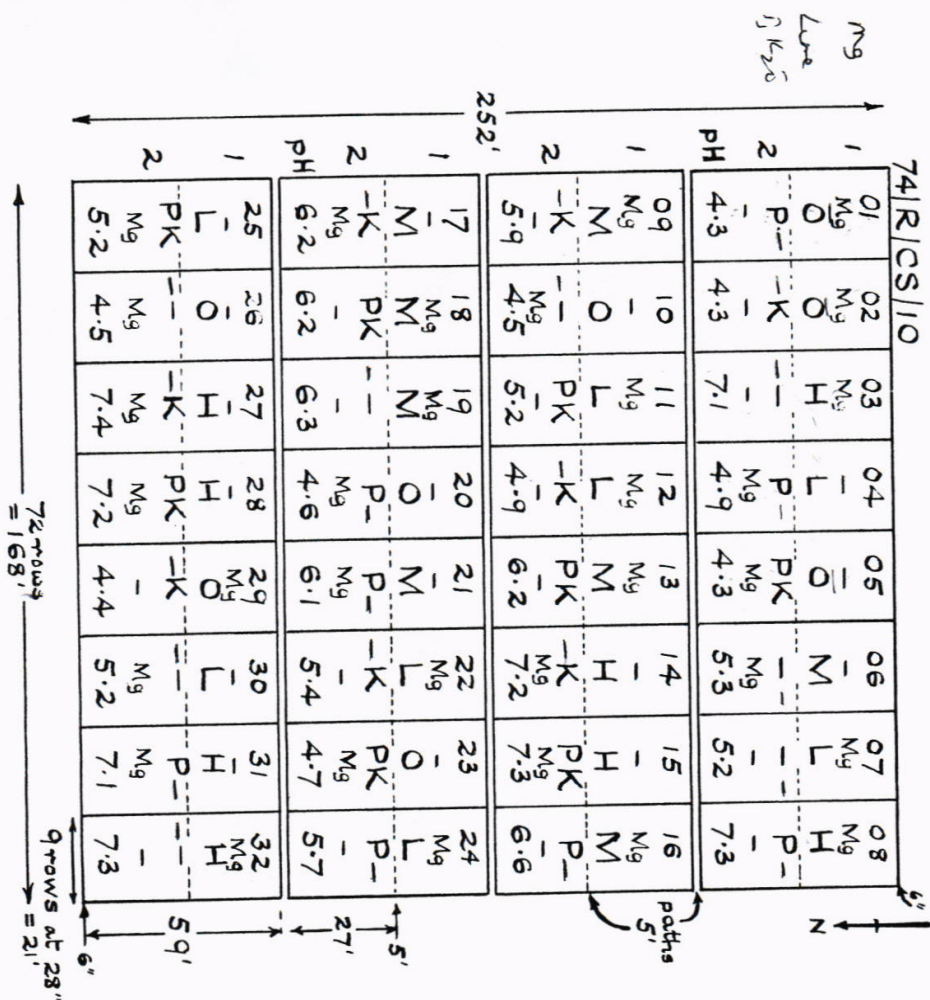
Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1974* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 10 - 10

Rothamsted LONG TERM LIMING

Potatoes

SAWYERS 13th Year 1974
Sponsor: J. Bolton

24



TREATMENTS per acre (hectare)

Whole Plots

O, L, M, H

None, 2, 4, 8 tons (-, 5, 10, 20 tonnes)
CaCO₃ as ground chalk (1962-63)

pH

pH of soil samples taken Oct 1973

P

1.0 cwt (126 kg) P₂O₅
as superphosphate

1.5 cwt (188 kg) K₂O
as muriate of potash

Applied broadcast in seedbed

Half Plots

-, Mg

None, 100 lb (112 kg) Mg
as sulphate of magnesia (10% Mg)

Basal manuring per acre (hectare)

670 lb (750 kg) Nitro-chalk 25 broadcast
before planting

Variety: Pentland Crown

Design: 2 blocks of 16 plots split into 2

Plot area: 21' x 59' = 0.0284 acre (0.0115 ha)

harvested: 4 rows x 27'

= 9'4" x 27' = 0.0058 acre (0.0023 ha)

Previous Cropping:

1962-64 spr. beans, 1965-67 barley,

1968 potatoes, 1969 fallow, 1970-73 barley