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# Collection of Plans for the Rothamsted Long-term Liming Experiment

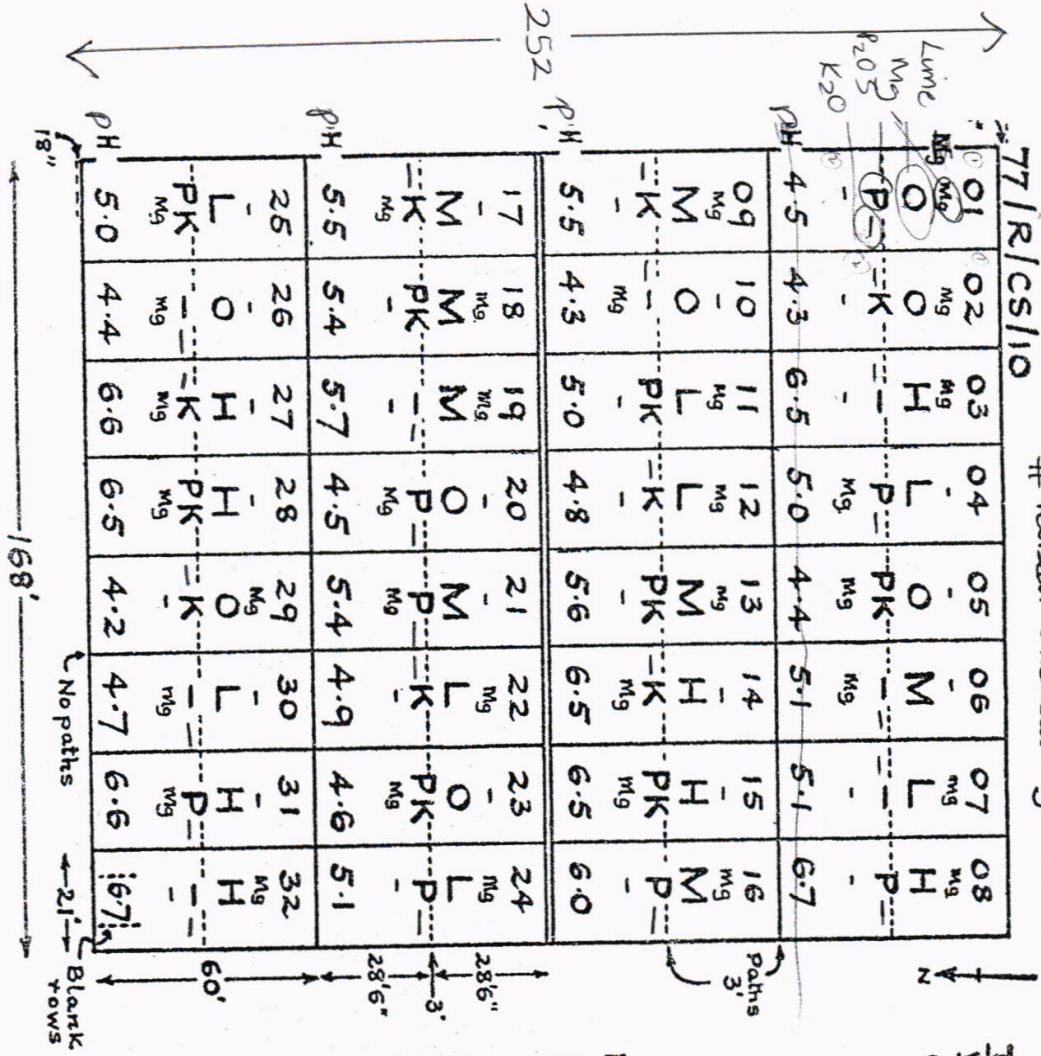
[Full Table of Content](#)

## Rothamsted Long-term Liming Experiment 1977

### Rothamsted Research

Rothamsted Research (1962-1996) *Rothamsted Long-term Liming Experiment 1977* ; Collection Of Plans For The Rothamsted Long-Term Liming Experiment, pp 13 - 13

Rathamsted LONG TERM LIMING Spring Oats SAWYERS I 16th Year 1977 21  
 # revised. Includes Mg treatments Sponsor: J. Bolton



TREATMENTS per acre (hectare)

Whole Plots  
 O.L.M.H None, 2, 4, 8 tons (-5, 10, 20 tonnes) CaCO<sub>3</sub> as ground chalk (1962-63)

PH PH of soil sample taken Jan 1975  
 P 0.5cut (63 kg) P<sub>2</sub>O<sub>5</sub> as superphosphate } Broadcast  
 K 1.0cut (125 kg) K<sub>2</sub>O as muriate of potash } in seedbed

Half Plots  
 - Mg None, 100 lb (112 kg) Mg, as Epsom salts  
 Note: P, K, Mg treatments cumulative (Mg in 1974 & 76)

Basal manuring, per acre (hectare)  
 SFP 'Nitro-Chalk' only @ 280 lb (314 kg)  
 Variety: Marod at 180 lb/acre (202 kg/ha)  
 Sown 4/4/77

Design: 2 blocks of 16 plots split into 2

Plot area: 21' x 60' = 0.029 acre (0.0117 ha)  
Sub-plot harvested: 9'4" x 28'6" = 0.0061 acre (0.00246 ha)

Previous Cropping  
 1962-64 Spr. beans, 1965-67 barley, 1968 potato  
 1969 fallow, 1970-73 barley 1974 potatoes,  
 1975 oats, 1976 oilseed rape