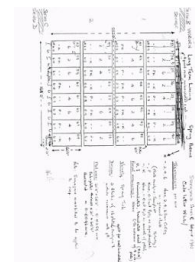


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Collection of Plans for the Woburn Long-term Liming Experiment

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Woburn Long-term Liming Experiment 1977

Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1977* ; Collection Of Plans For The Woburn Long-Term Liming Experiment, pp 14 - 14

WOBURN LONG-TERM LIMING

Spring oats 16th year STACKYARD series c 1977 212
Sponsor: J. Bolton

	77w/cs/10	34	35	36	37	38	39	40
1. Mg	33	34	35	36	37	38	39	40
2. PH	4.5	5.6	6.6	5.4	6.3	4.6	5.3	6.8
1. Mg	41	42	43	44	45	46	47	48
2. PH	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
1. Mg	49	50	51	52	53	54	55	56
2. PH	4.8	6.1	4.9	6.1	6.7	5.4	6.4	7.0
1. Mg	57	58	59	60	61	62	63	64
2. PH	5.5	5.4	6.5	4.6	4.7	6.7	4.7	5.6
1. Mg	67	68	69	70	71	72	73	74
2. PH	6.7	5.5	7.0	5.0	6.4	7.0	6.3	6.6

No paths 21' → Blank road 18"

TREATMENTS per acre (hectare)

Whole Plots

O, L, M, H None, 2, 4³/₄, 7¹/₂ tons (None, 5, 12, 19 tonnes) CaCO₃
applied as ground chalk (1962-63)

PH of soil samples taken Feb 1975

0.5 cut (63kg) P₂O₅ as superphosphate } Broadcast
1.0 cut (126kg) K₂O as muriate of potash in seedbed

Half Plots

None, 100lb (112kg) Mg as sulphate of magnesite (10²/₆)
- , Mg

Note: P, K and Mg treatments cumulative (Mg in 1974, 76 & 1977 only)

BASAL MANURING per acre (hectare)

340lb (380kg) Nitro-chalk 25

VARIETY

Manod Sown at: 180lb (202kg) Date: 31 Mar.

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 Spring beans, 1965-67 barley, 1968 potatoes,
1969 fallow, 1970-73 barley, 1974 potatoes, 1975 Spring oats,
1976 Spring oilseed rape.