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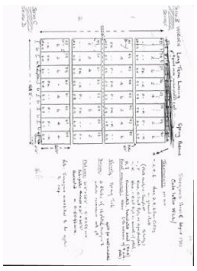
# Collection of Plans for the Woburn Long-term Liming Experiment



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## Woburn Long-term Liming Experiment 1986

### Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1986 ;* Collection Of Plans For The Woburn Long-Term Liming Experiment, pp 20 - 20

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WOBURN LONG-TERM LIMING W. Triticale 25th year Sponsor: S. P. McGrath 1986 211

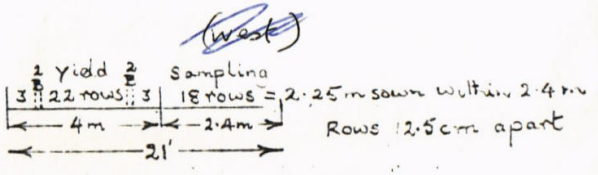
1m2 bare

86/W/CS/10

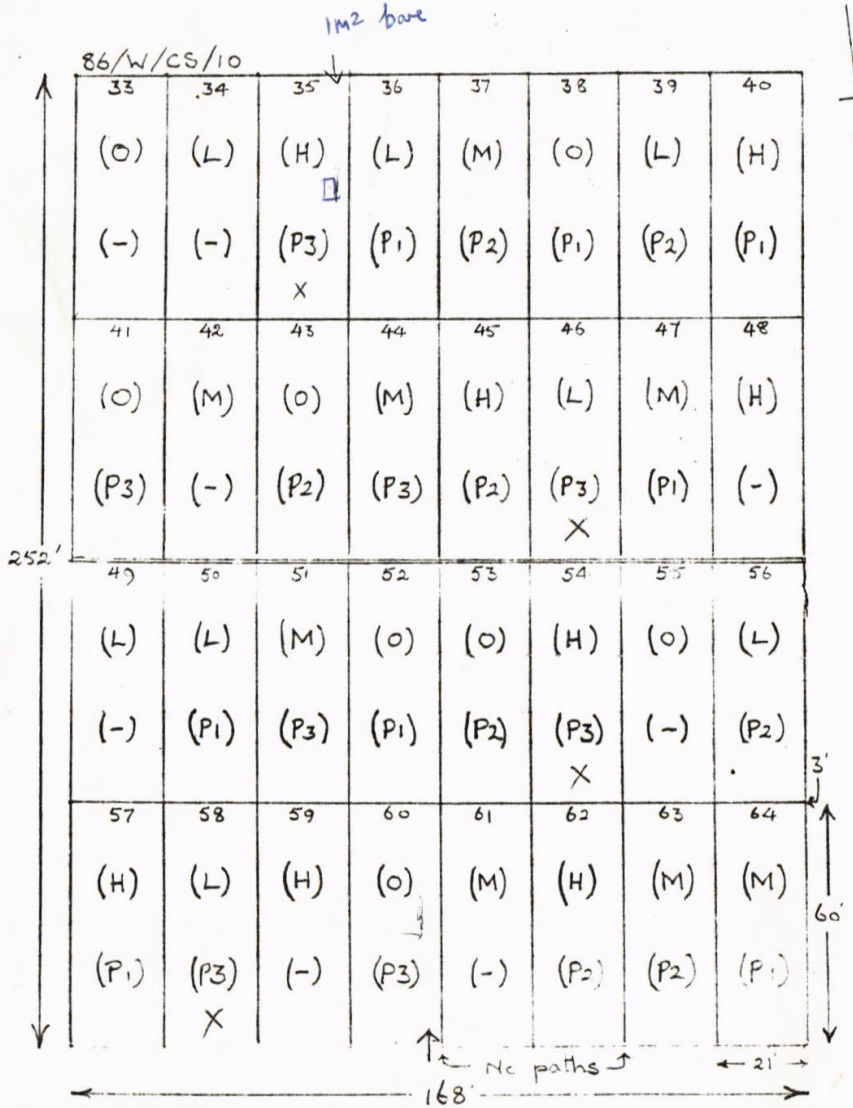
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| (O) | (L) | (H) | (L) | (M) | (O) | (L) | (H) |
| (-) | (-) | (P3) X | (P1) | (P2) | (P1) | (P2) | (P1) |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| (O) | (M) | (O) | (M) | (H) | (L) | (M) | (H) |
| (P3) | (-) | (P2) | (P3) | (P2) | (P3) X | (P1) | (-) |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| (L) | (L) | (M) | (O) | (O) | (H) | (O) | (L) |
| (-) | (P1) | (P3) | (P1) | (P2) | (P3) X | (-) | (P2) |
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
| (H) | (L) | (H) | (O) | (M) | (H) | (M) | (M) |
| (P1) | (P3) X | (-) | (P3) | (-) | (P2) | (P2) | (P1) |

252' 3' 60' 168' No paths 21'

W N



No weedkillers, pesticides or fertilizer containing trace elements, all to be cleared with sponsor. No straw burning on site. All operations by 'Farm'



## TREATMENTS

Residues of P&K kg ha$^{-1}$

| | Until winter 1978 | 1981 | 1982 | 1983 |
|---|---|---|---|---|
| (-) | - | -K | -K | -K |
| (P1) | K | P1K | P2K | P2K |
| (P2) | P | P1K | -K | P2K |
| (P3) | PK | P3K | P2K | P4K |

Rates of P 1981-83

| | |
|---|---|
| - | None |
| P1 | 25 kg P |
| P2 | 50 kg P |
| P3 | 75 kg P |
| P4 | 100 kg P |

P & K until 1978 cumulative, rates depended on crop

Rates of K

1981 & 1982 120 kg K ha$^{-1}$

1983 208 kg K ha$^{-1}$

RESIDUES OF LIME t ha$^{-1}$

Total applied 1962-1978, 1981 & 1982

| | |
|---|---|
| O | None |
| L | 8 |
| M | 24 |
| H | 43 |

BASAL MANURING kg ha$^{-1}$

NK None

VARIETY

W. Triticale - Lasko sown at 140lb (160kg) Date: 22 Oct.

DESIGN

2 blocks of 16 plots

PLOT AREA 21' x 60' = 0.029 acre (0.0117 ha)

Harvested 2.75m x 60' = 0.0124 acre (0.0050 ha)

PLOT ARRANGEMENT

This is wrong way round

(West)

2 Yield 2 Sampling

3 22 rows 3 18 rows = 2.25m sown within 2.4m

4m 2.4m

21'

Rows 12.5cm apart