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Collection of Plans for the Woburn Long-term Liming Experiment



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Woburn Long-term Liming Experiment 1981

Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1981* ; Collection Of Plans For The Woburn Long-Term Liming Experiment, pp 16 - 16

WOBURN

LONG-TERM LIMING

Spring Oats

20th year

STACKYARD series C 1981

Sponsors: S. McGrath, D.P. Stribley

81W/CS/110

N

33	Mg O	34	Mg L	35	H	36	Mg L	37	Mg M	38	O	39	L	40	Mg H
4.6	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5
(-)	(-)	(-)	(P)P2	(-)P1	(P)P1	(-)P1	(P)P1	(-)P1	(P)P1	(-)P1	(P)P2	(-)P1	(-)P1	(-)P1	(-)P1
(-)K	(-)K	(-)K	(K)K	(K)K	(-)K	(K)K	(-)K	(K)K	(-)K	(K)K	(-)K	(-)K	(-)K	(-)K	(-)K
Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg
5.8	5.8	5.8	5.9	5.9	6.0	6.1	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3
(P)P2	(-)P1	(-)P1	(P)P1	(P)P2	(-)P1	(P)P1	(-)P1	(P)P1	(-)P1	(P)P1	(-)P1	(-)P1	(-)P1	(-)P1	(-)P1
(K)K	(-)K	(-)K	(-)K	(K)K	(-)K	(K)K	(-)K	(K)K	(-)K	(K)K	(-)K	(-)K	(-)K	(-)K	(-)K
Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

PH

168'

21'

60'

3'

168'

21'

60'

3'

TREATMENTS

P&K	Until 1978		From 1981		LIME
	P	K	P	K	
(-) (-) K	-	-	-	K	0
(P) (-) K	P	-	P	K	6
(-) P (-) K	-	P	-	K	14
(P) P (-) K	P	P	P	K	23

P&K until 1978 cumulative, rates depended on crop

From 1981 per ha (acre)

P₁, P₂ 25, 75 kg P (22, 67 lb P)

K 120 kg K (107 lb K)

BASAL MANURING per ha (acre)

N Nitro-chalk at 80 kg N (71 lb N)

Mg Kieserite at 100 kg Mg (89 lb Mg)

VARIETY Peniarth Sown at 180 lb (202 kg) Date: 9 Apr

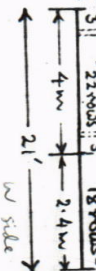
DESIGN 2 blocks of 16 plots

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

Harvested 275m x 60' = 0.0124 acre (0.0050 ha)

Yield & sampling 22 rows x 3 18 rows x 2.25m sown within 2.4m

PLOT ARRANGEMENT 311 4m 2.4m 21' Rows 12.5cm apart (5")



No weeder or pesticides without sponsors consent.
 All 1981 operations by Farrow.