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Collection of Plans for the Woburn Long-term Liming Experiment



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Woburn Long-term Liming Experiment 1982

Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1982* ; Collection Of Plans For The Woburn Long-Term Liming Experiment, pp 17 - 17

S.M.G.

WOBURN

LONG-TERM LIMING

Spring Oats 21st year

STACKYARD 52025 C 1982
Sponsors: S.M.G. Math, D. R. Stibbley

211

N
↙ ↘
W

82/W/CS/10	33	34	35	36	37	38	39	40
	O	L	H	L	M	O	L	H
	-	-	P3	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	P1	-	
49	50	51	52	53	54	55	56	
L	L	M	O	O	H	O	L	
-	P1	P3	P1	P2	P3	-	P2	
57	58	59	60	61	62	63	64	
H	L	H	O	M	H	M	M	
P1	P3	-	P3	-	P2	P2	P1	

252' ←

168' ← No paths

← 21' →

3' ↓ 60' ↓

TREATMENTS OF P&K

	Until winter 1978	1981	1982	Rate of P in 1982
-	-	-K	K	None
P1	K	P1K	P1K	50kg P/ha (45lb/ae)
P2	P	P1K	-K	None
P3	PK	P3K	P1K	50kg P/ha (45lb/ae)

P & K until 1978 cumulative, rates depended on crop.

In 1981 per ha (acre)
P1, P3 25, 75 kg P (22, 67 lb P)
K 120 kg K (107 lb K)

LIME

	Total 1962-1978 t/ha	Winter 1981 t/ha
O	None	None
L	6	2
M	14	5
H	23	10

BASAL MANURING per ha (acre)

N Nitro-chalk at 80kg N (71 lb N)
K Murex at 120kg K (107 lb K)
Mg Kieserite at 40kg Mg (36 lb Mg)

VARIETY

Peniarth

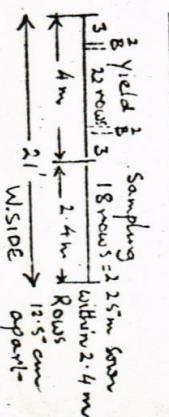
DESIGN

2 blocks of 16 plots

PLOT AREA

21' x 60' = 0.029 acre (0.0117 ha)
Harvested
275 m x 60' = 0.0124 acre (0.0050 ha)

PLOT ARRANGEMENT



// No woodland or pasture without sponsors consent // All operation by Farm