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Collection of Plans for the Woburn Long-term Liming Experiment



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Woburn Long-term Liming Experiment 1983

Rothamsted Research

Rothamsted Research (1962 - 1997) *Woburn Long-term Liming Experiment 1983* ; Collection Of Plans For The Woburn Long-Term Liming Experiment, pp 18 - 18

WOBURN

LONG-TERM LIMING

Potatoes 2nd year

STACKYARD series c 1983
Sponsors: S. McGrath, D. P. Skewley

83/W/cs/10	33	34	35	36	37	38	39	40
O	L	H	L	M	O	L	L	H
-	-	P3	P1	P2	P1	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	

Dimensions: 252' x 168' (51.2m). Path widths: 0.4m, 0.3m, 0.8m, 0.8m, 0.4m. 3 paths, 60' blocks.

TREATMENTS OF P&K

	until winter 1978	1981	1982	1983	Rates P 1981-83
P1	-	-K	-K	-K	None
P2	K	P1K	P2K	P2K	P1 25 kg P ha ⁻¹ (22 lb/ac)
P3	P	P1K	-K	P2K	P2 50 kg P ha ⁻¹ (45 lb/ac)
	PK	P3K	P2K	P4K	P3 75 kg P ha ⁻¹ (67 lb/ac)
					P4 100 kg P ha ⁻¹ (89 lb/ac)

P&K until 1978 cumulative, rates depended on crop rate of P 1983 kg P ha⁻¹
Rates of K 120 kg K ha⁻¹ (107 lb/ac)

LIME

	Total 1962-1978 t ha ⁻¹	Winter 1981 t ha ⁻¹	Winter 1982 t ha ⁻¹
O	None	None	None
L	6	2	5
M	14	5	5
H	23	10	10

BASAL MANURING ha⁻¹ (acre)

- N 250 kg N
- K 250 kg K₂O
- Mg 40 kg Mg (as Kieserite)

VARIETY Pentland Crown

DESIGN 2 blocks of 16 plots

PLOT AREA 21' x 60' = 0.029 acre (0.0117 ha)
Harvest 2 rows @ 75 cm x 60' = 0.0068 (0.0027 ha)

