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Yields of the Field Experiments 1966

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66/R/LL/C/3 and 66/W/WLL/C/3 Long-term Liming - Barley

Rothamsted Research

Rothamsted Research (1967) *66/R/LL/C/3 and 66/W/WLL/C/3 Long-term Liming - Barley* ; Yields Of The Field Experiments 1966, pp 127 - 129 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/c/3.3

STACKYARD SERIES C (W)

GRAIN

	CA0	CA2	CA4	CA8	Mean
Mean (± 0.45)	36.9	39.5	41.0	40.9	39.6
-		(± 0.63)			(± 0.32)
P	34.9 38.9	39.1 39.9	40.2 41.9	39.9 42.0	38.5 40.7
-	36.6	38.8	41.1	40.6	39.3
K	37.1	40.2	40.9	41.3	39.9
	-	P			
-	(± 0.45)				
K	38.9 38.2	39.7 41.6			

Mean D.M. %: 86.3

66/C/4.1

METHODS OF APPLICATION OF FERTILISER

(WBT)

Methods of application of fertiliser - Woburn Broadmead I, 1966
the second year - spring wheat.

Design: 3 x 3 x 3 in 3 blocks of 9 plots together with 3 additional plots per block.

Area of each plot: 0.0212. Area harvested: 0.0126.

Treatments: 3 x 3 x 3: All combinations of:-

To wheat 1966:

1. Levels of N, P and K:

N	P ₂ O ₅	K ₂ O	
None	None	None	(F0)
0.66	0.66	1.02	(F1)
1.32	1.32	2.03	(F2)

P as superphosphate, K as muriate of potash, both applied in seedbed. N as 'Nitro-Chalk', half in seedbed, half top-dressed.

To potatoes 1965:

2. Levels of compound (13:13:20) to supply:

N	P ₂ O ₅	K ₂ O	
0.66	0.66	1.02	(L1)
1.32	1.32	2.03	(L2)
2.00	2.00	3.07	(L3)

3. Methods of application: Broadcast (B), placed (P), broadcast and rotary cultivated in (BR).

Additional plots:

To wheat 1966: NPK: F0, F1, F2 as above to plots receiving no fertiliser in 1965.

Basal applications: Manures: None. Weedkillers: Sodium trichloroacetate at 18 lb in 40 gals on 2 occasions, Mecoprop/2,4-D (Methoxone Extra at 6 pints in 35 gals).

Cultivations, etc.: Deep-tine cultivated: Oct 18, 1965. Sprayed (Sodium trichloroacetate): Oct 22 and Dec 29. Seed drilled at 170 lb: Mar 15, 1966. Sprayed (Mecoprop/2,4-D): May 10. Combine harvested: Sept 6. Variety: Kloka.

NOTE: For the previous year's results see 'Results' 65/C/5.

Standard error per plot.

Grain: 2.78 or 7.2% (21 d.f.)