

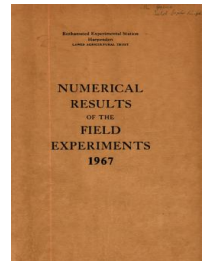
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67/R/LL/C/3 and 67/W/WLL/C/3 Long-term Liming - Barley

Rothamsted Research

Rothamsted Research (1968) *67/R/LL/C/3 and 67/W/WLL/C/3 Long-term Liming - Barley* ; Yields Of The Field Experiments 1967, pp 125 - 127 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/C/3.1

LONG TERM LIMING EXPERIMENT - BARLEY

(LL and WLL)

Rothamsted Sawyers I and Woburn Stackyard Series C - the sixth year.

For treatments etc., see 'Results' 63/C/3 and for previous years' results see 62/C/8, 63/C/3, 64/C/3, 65/C/3 and 66/C/3.

Area of each plot: 0.0289. Area harvested: 0.0128.

Basal applications:

Sawyers I (R): 0.75 cwt N as 'Nitro-Chalk' combine drilled.
Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 30 gals).

Stackyard Series C (W): 0.62 cwt N as sulphate of ammonia broadcast in the seedbed, 0.38 cwt applied by hand as top-dressing. Weedkillers: Aminotriazole at 4 lb and ammonium thiocyanate at 3.7 lb in 33 gals. Ioxynil/mecoprop (Atril C at 5 pints in 35 gals) on 2 occasions. (The second application was made because the first had little effect).

Cultivations, etc.:-

Sawyers I (R): Ploughed: Sept 16, 1966. P and K applied: Feb 22, 1967. Seed drilled at 140 lb: Mar 3. Weedkiller applied: May 12. Combine harvested: Aug 22. Variety: Maris Badger.

Stackyard Series C (W): Aminotriazole and ammonium thiocyanate applied: Sept 27, 1966. Ploughed: Oct 28. P and K applied: Feb 24, 1967. Sulphate of ammonia applied, seed drilled at 140 lb: Mar 4. Remainder of sulphate of ammonia applied: Mar 21. Ioxynil/mecoprop applied: May 9 and 31. Combine harvested: Aug 21. Variety: Maris Badger.

Standard errors per plots. Grain:

Sawyers I (R): 7.16 or 26.0% (15 d.f.)

Stackyard Series C (W): 3.04 or 9.2% (15 d.f.)

67/c/3.2

SUMMARY OF RESULTS

SAWYERS I (R)

GRAIN

	CA0	CA2	CA4	CA8	Mean
Mean (± 2.53)	11.5	34.5	33.6	30.8	27.6
		(± 3.58)			(± 1.79)
-	7.7	30.7	27.4	23.9	22.4
P	15.3	38.2	39.8	37.7	32.7
-	12.3	34.2	30.5	26.6	25.9
K	10.7	34.7	36.7	35.0	29.3
	-	P			
		(± 2.53)			
-	22.3	29.5			
K	22.6	36.0			

Mean D.M. %: 83.5

67/c/3.3

STACKYARD SERIES C (W)

GRAIN

	CA0	CA2	CA4	CA8	Mean
Mean (± 1.07)	29.0	33.5	34.7	35.0	33.0
		(± 1.52)			(± 0.76)
-	23.1	29.4	33.3	32.7	29.6
P	34.9	37.6	36.1	37.4	36.5
-	27.8	32.2	32.5	34.4	31.7
K	30.1	34.8	36.9	35.7	34.4
	-	P			
		(± 1.07)			
-	28.6	34.9			
K	30.6	38.1			

Mean D.M. %: 82.4