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Yields of the Field Experiments 1966

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66/R/IB/C/2 Intensive Barley Growing - Cereals

Rothamsted Research

Rothamsted Research (1967) *66/R/IB/C/2 Intensive Barley Growing - Cereals ; Yields Of The Field Experiments 1966*, pp 125 - 126 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/c/3.1

LONG TERM LIMING EXPERIMENTS - BARLEY 1966

(LL and WLL)

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

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

Area of each plot: 0.0289. Area harvested: 0.0129.

Basal applications:

Sawyers I (R) - 0.5 cwt N as 'Nitro-Chalk' combine drilled.
Weedkiller: Ioxynil/mecoprop (Atril C at 4 pints in 40 gals).
Stackyard Series C (W) - 0.5 cwt N as sulphate of ammonia broadcast by machine, 0.5 cwt N as 'Nitro-Chalk' broadcast by machine. Weedkiller: Ioxynil/mecoprop (Atril C at 4 pints in 35 gals).

Cultivations, etc.:-

Sawyers I (R): Ploughed: Jan 10, 1966. P and K applied, seed drilled at 160 lb: Mar 14. Sprayed: May 20. Combine harvested: Aug 26. Variety: Maris Badger.
Stackyard Series C (W): Ploughed: Sept 16, 1965. P and K applied: Mar 10, 1966. Sulphate of ammonia applied, seed drilled at 140 lb: Mar 11. Sprayed: May 11. 'Nitro-Chalk' applied by machine: June 7. Combine harvested: Sept 8. Variety: Maris Badger.

Standard errors per plot. Grain:

Sawyers I (R): 6.54 or 19.7% (15 d.f.)
Stackyard C (W): 1.26 or 3.2% (15 d.f.)

NOTE: Ground chalk tons per acre applied 1962 - 63

	Sawyers I (R)	Stackyard Series C (W)*
CA0	0	0
CA2	2	2
CA4	4	4.75
CA8	8	7.5

* These were given incorrectly for Woburn in Results 64/C/3.1.

The following is a summary of the actual applications.

	Sawyers I (R)				Stackyard Series C (W)			
1962	0	2	4	6	0	2	4	6
1963	0	0	0	2	0	0	0.75	1.5
Total	0	2	4	8	0	2	4.75	7.5

66/c/3.2

SUMMARY OF RESULTS

SAWYERS I (R)

GRAIN

	CA0	CA2	CA4	CA8	Mean
Mean (± 2.31)	21.7	35.1	38.0	38.2	33.3
-		(± 3.27)			(± 1.64)
P	18.5	33.9	36.7	37.0	31.5
	25.0	36.3	39.4	39.4	35.0
-	25.3	33.7	37.4	36.0	33.1
K	18.2	36.6	38.6	40.4	33.4
	-	P			
-	(± 2.31)				
K	32.1	34.2			
	31.0	35.9			

Mean D.M. %: 77.4