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Numerical Results of the Field Experiments 1968

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68/DB/5 Woburn Varieties and N - Barley

Rothamsted Research

Rothamsted Research (1970) *68/DB/5 Woburn Varieties and N - Barley* ; Numerical Results Of The Field Experiments 1968, pp 321 - 322 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Db/5.1

BARLEY

(WB 101)

Varieties and N - Woburn Great Hill Bottom I, 1968.

Design: 4 blocks of 4 plots, split for N.

Area of each sub plot: 0.0024. Area harvested: 0.0013.

Treatments: All combinations of:-

Whole plots: 1. Varieties: Impala (I), Maris Badger (MB), Sultan (S), Zephyr (Z).

Sub plots: 2. Nitrogen: 0.6 (N2), 0.9 (N3), 1.2 (N4) cwt N as 'Nitro-Chalk'.

Basal applications: 4 cwt (15:15:15) combine drilled. Weedkillers: Paraquat at 0.5 lb ion in 33 gals, ioxynil/mecoprop (Actril C at 5 pints in 25 gals).

Cultivations, etc.: Deep-tine cultivated: 25 Sept, 1967. Ploughed: 20 Feb, 1968. Paraquat applied: 2 Mar. Seed combine drilled at 140 lb: 7 Mar. 'Nitro-Chalk' applied: 14 Mar. Ioxynil/mecoprop applied: 3 May. Combine harvested: 22 Aug. Previous crops: Fallow 1966, potatoes 1967.

Standard errors per plot.

Grain: Whole plot: 3.14 or 11.9% (9 d.f.)

Sub plot: 4.10 or 15.6% (24 d.f.)

68/Db/5.2

SUMMARY OF RESULTS

	GRAIN				Mean
	I	MB	S	Z	
	(1) and (2)				(±1.03)
N2	25.4	22.7	30.2	28.3	26.6
N3	23.7	23.9	40.8	24.2	28.1
N4	20.7	20.6	32.0	22.8	24.0
Mean (±1.57)	23.3	22.4	34.3	25.1	26.3

- (1) (±2.29) For use in horizontal and diagonal comparisons only
 (2) (±2.05) For use in vertical and interaction comparisons only

Mean D.M. %: 82.9