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Numerical Results of the Field Experiments 1968

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68/DB/3 Varieties X N and Eyespot - Barley

Rothamsted Research

Rothamsted Research (1970) *68/DB/3 Varieties X N and Eyespot - Barley* ; Numerical Results Of The Field Experiments 1968, pp 317 - 318 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Db/3.1

BARLEY

(RB 301)

Varieties x N and eyespot (*Cercospora herpotrichoides*) -
Long Hoos IV 1968.

Design: 4 blocks of 4 plots, split into 3.

Area of each sub plot: 0.0121. Area harvested: 0.0063.

Treatments: All combinations of:-

Whole plots: 1. Varieties: Impala (IM), Maris Badger (MB),
Sultan (SU), Zephyr (ZE).

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

Basal applications: 2 cwt (0:20:20) combine drilled. Weedkiller:
Paraquat at 0.5 lb ion in 32 gals.

Cultivations, etc.: Ploughed: 6 Sept, 1967. Weedkiller applied:
4 Dec. Seed drilled at 140 lb: 28 Feb, 1968. 'Nitro-Chalk'
applied: 15 Mar. Combine harvested: 20 Aug. Previous crops:
Spring beans 1966, winter wheat 1967.

NOTE: Samples were taken in June for the incidence and severity
of eyespot (*Cercospora herpotrichoides*).

Standard errors per plot. Grain:

Whole plot: 2.22 or 7.3% (9 d.f.)

Sub plot: 2.30 or 7.6% (24 d.f.)

68/D₀/3.2

SUMMARY OF RESULTS

GRAIN

	IM	MB	SU	ZE	Mean
	(1) and (2)				(±0.57)
N2	33.2	29.0	35.0	35.8	33.2
N3	29.5	25.0	31.4	34.0	30.0
N4	27.2	20.7	32.4	30.3	27.6
Mean (±1.11)	30.0	24.9	32.9	33.3	30.3

(1) (±1.45) For use in horizontal and diagonal comparisons

(2) (±1.15) For use in vertical and interaction comparisons

Mean D.M. %: 78.1