

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1968

[Full Table of Content](#)



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