

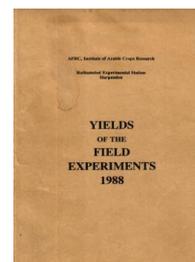
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1988

[Full Table of Content](#)



88/R/WW/8 Control of Mbc-resistant Eyespot - W. Wheat

Rothamsted Research

Rothamsted Research (1989) *88/R/WW/8 Control of Mbc-resistant Eyespot - W. Wheat* ; Yields Of The Field Experiments 1988, pp 160 - 161 - DOI: <https://doi.org/10.23637/ERADOC-1-43>

88/R/WW/8

WINTER WHEAT

CONTROL OF MBC-RESISTANT EYESPOT

Object: To investigate the control of MBC-resistant eyespot by methyl N-(3,5,dichlorophenyl) - carbamate (MDPC) - Sawyers II.

Sponsors: G.L. Bateman, D.W. Hollomon (LARS).

Design: 3 randomised blocks of 8 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. **INOCULUM** Type of inoculum applied:

 RESI MBC-resistant eyespot
 SENS MBC-sensitive eyespot

2. **FUNGICIDE** Type of fungicide applied:

 NONE None
 CAR Carbendazim at 0.25 kg
 CAR+MDPC Carbendazim at 0.25 kg + MDPC at 1.0 kg
 MDPC MDPC at 1.0 kg

NOTES: (1) The inoculum was colonised on autoclaved oat seed and broadcast just after emergence.
(2) Fungicide treatments were applied in 220 l on 17 Apr, 1988.

Basal applications: Manures: 'Nitram' at 400 kg. Weedkillers: Chlortoluron at 3.5 kg in 200 l. Mecoprop at 3.0 kg in 200 l.

Seed: Avalon, sown at 180 kg.

Cultivations, etc.:- Deep-tine cultivated: 5 Oct, 1987. Heavy spring-tine cultivated, spring-tine cultivated, rotary harrowed, seed sown: 6 Oct. Chlortoluron applied: 8 Nov. N applied: 22 Apr, 1988. Mecoprop applied: 25 Apr. Combine harvested: 23 Aug. Previous crops: W. wheat 1986, potatoes 1987.

NOTE: Eyespot was assessed at the beginning of April and in July.

88/R/WW/8

GRAIN TONNES/HECTARE

***** Tables of means *****

FUNGCIDE INOCULUM	NONE	CAR	CAR+MDPC	MDPC	Mean
RESI	8.43	8.38	8.24	8.32	8.35
SENS	7.88	7.81	8.37	8.15	8.05
Mean	8.16	8.10	8.31	8.23	8.20

*** Standard errors of differences of means ***

INOCULUM	FUNGCIDE	INOCULUM FUNGCIDE
0.144	0.204	0.289

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	14	0.353	4.3

GRAIN MEAN DM% 83.4

SUB PLOT AREA HARVESTED 0.00201 (1st block) or 0.00273 (other blocks)