

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 1993

[Full Table of Content](#)



93/R/CS/302 Eyespot Resistance to Mbc - W. Wheat

Rothamsted Research

Rothamsted Research (1994) *93/R/CS/302 Eyespot Resistance to Mbc - W. Wheat* ; Yields Of The Field Experiments 1993, pp 61 - 62 - DOI: <https://doi.org/10.23637/ERADOC-1-48>

93/R/CS/302

EYESPOT RESISTANCE TO MBC

Object: To study the development of resistance to MBC fungicides in eyespot and the ability of resistant strains to survive, spread and infect - Meadow.

Sponsor: G.L. Bateman.

The ninth year, w. wheat.

For previous years see 85-92/R/CS/302.

Design: 2 randomised blocks of 4 plots split into 6 sub plots.

Whole plot dimensions: 12.0 x 24.0.

Treatments: All combinations of:-

Whole plots

1. FUNGICIDE	Fungicides applied cumulatively 1985-93:
NONE	None
CARB	Carbendazim at 0.25 kg
PRO	Prochloraz at 0.40 kg from 1985 to 1992, 0.50 kg in 1993
CARB+PRO	Carbendazim at 0.25 kg + prochloraz at 0.40 kg from 1985 to 1992, 0.50 kg in 1993

Sub plots

2. EYE INOC	Eyespot inoculum, applied in first year only:
NATURAL	Natural background population (duplicated)
W 19R 1S	Inoculated with wheat strains in proportion 19 resistant to one sensitive
W 1R 19S	As above but one resistant to 19 sensitive
R 19R 1S	Inoculated with rye strains, 19 resistant to one sensitive
R 1R 19S	As above but one resistant to 19 sensitive

NOTE: The eyespot inoculum was colonised on oat seed and this was broadcast in October, 1984.

Experimental diary:

- 13-Aug-92 : B : Deep-tine cultivated with vibrating tines 60 cm apart and 45 cm deep.
- 08-Sep-92 : B : Ploughed, furrow pressed.
- 29-Sep-92 : B : Rotary harrowed, Mercia, dressed Cerevax, drilled at 380 seeds per square metre.
- 08-Dec-92 : T : **FUNGICIDE** CARB: Tripart Defensor FL at 0.50 l in 200 l.
- : T : **FUNGICIDE** PRO: Sportak 45 at 1.1 l in 200 l.
- : T : **FUNGICIDE** CARB+PRO: Tripart Defensor FL at 0.50 l and Sportak 45 at 1.1 l in 200 l.

