

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 1971

[Full Table of Content](#)



---

### 71/R/WW/7 Systemic Fungicides - W. Wheat

#### Rothamsted Research

Rothamsted Research (1972) *71/R/WW/7 Systemic Fungicides - W. Wheat* ; Yields Of The Field Experiments 1971, pp 253 - 254 - DOI: <https://doi.org/10.23637/ERADOC-1-97>

71/R/WW/7

WINTER WHEAT

SYSTEMIC FUNGICIDES

Object: To study the effects of a range of systemic fungicides on yield and pathogens of wheat - West Barnfield II.

Design: 3 randomised blocks of 9 plots.

Whole plot dimensions: 2.67 x 9.14. Area harvested: 0.00087.

Treatments:

No fungicide (plus 337 l) (2 plots per block) (O)  
and

Seed dressings	Sprays (applied on two occasions)	
Benomyl 0.28 kg	1.12 kg in 337 l	(B)
Ethirimol 1.12 kg	1.12 kg in 337 l	(E)
Furidazole 0.28 kg	1.12 kg in 674 l	(F)
EL 273 0.034 kg a.i.	44.5 ml a.i. in 337 l	(L)
Organo-mercury 0.42 kg of formulated material	Nil (plus 337 l)	(M)
Thiophanate methyl 1.35 kg	1.68 kg in 337 l	(T)
W524 0.42 kg a.i.	400 ml a.i. in 674 l	(W)

Basal applications: 380 kg (8:20:16) combine drilled. 600 kg 'Nitro-Chalk' in spring. Weedkiller: Paraquat at 0.28 kg ion in 225 l.

Cultivations, etc.: Paraquat applied: 18 Sept, 1970. Ploughed: 25 Sept. Seed combine drilled at 179 kg: 16 Oct. N applied: 14 Apr, 1971. Fungicide sprays applied: 4 May, 2 June. Combine harvested: 27 Aug. Variety: Cama\*. Previous crops: Barley 1969, winter wheat 1970.

\* Variety susceptible to eyespot (*Cercospora herpotrichoides*) and mildew (*Erysiphe graminis*).

NOTE: Samples were taken for mildew (*Erysiphe graminis*), yellow rust (*Puccinia striiformis*), *Septoria* and foot and root diseases.

Standard error per plot.

Grain, tonnes/hectare: 0.361 or 6.0% (16 d.f.)

71/R/WW/7

SUMMARY OF RESULTS

GRAIN: TONNES/HECTARE

O*	B	E	F	L	M	T	W	Mean
(±0.147)				(±0.208)				
6.10	6.31	6.01	5.82	5.51	6.08	6.30	5.61	5.98

Mean D.M. %: 82.9

\* Duplicated level