

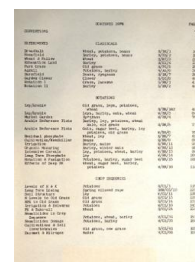
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1976

[Full Table of Content](#)



76/R/WW/5 Fungicides - W. Wheat

Rothamsted Research

Rothamsted Research (1977) *76/R/WW/5 Fungicides - W. Wheat* ; Yields Of The Field Experiments 1976, pp 268 - 269 - DOI: <https://doi.org/10.23637/ERADOC-1-15>

76/R/WW/5

WINTER WHEAT

FUNGICIDES

Object: To study the effects of a range of fungicides on control of foliar and root diseases and on yield of winter wheat - Long Heos III.

Sponsors: J.F. Jenkyn, R.D. Prew.

Design: 3 randomised blocks of 12 plots.

Whole plot dimensions: 2.13 x 13.4.

Treatments: All combinations of:-

1. F FORM Fungicides, applied as foliar sprays:

ME 125	'ME 125' at 0.37 l a.i.
MEB 6447	'MEB-6447' (Triadimefon at 0.25 kg)
S	Wettable sulphur at 2.4 kg

2. F TIME Times of applying foliar fungicides:

E	Early (14 May, 1976, growth stage 6-7)
L	Late (15 June, growth stage 10.5.2)
E+L	Early plus late

EXTRA Plus two extra treatments:

NONE	None (2 plots/block)
U 34910	Seed dressed with 'U-34,910' at 2.23 g a.i. per kg seed

NOTE: Sprays were applied in 340 l.

Basal applications: Manures: (10:24:24) at 250 kg, combine drilled, 'Nitro-Chalk' at 380 kg. Weedkillers: Paraquat at 0.42 kg ion in 220 l. Chlortoluron at 2.7 kg in 220 l. Dicamba with mecoprop and MCPA. ('Banlene Plus' at 5.6 l in 220 l).

Seed: Cama, sown at 190 kg.

Cultivations, etc.:- Paraquat applied to stubble: 7 Oct, 1975. Ploughed: 11 Oct. Heavy spring-tine cultivated: 16 Oct. Seed sown: 6 Nov. Chlortoluron applied: 23 Mar, 1976. N applied to all plots: 6-Apr. 'Banlene Plus' applied: 13 Apr. Combine harvested: 2 Aug. Previous crops: Oats 1974, wheat 1975.

NOTE: Mildew was assessed twice and samples were taken for root disease assessments.

76/R/WW/5

WINTER WHEAT

***** TABLES OF MEANS *****

F TIME F FORM	E	L	E+L	MEAN
ME 125	3.41	2.72	3.04	3.05
MEB 6447	3.12	2.92	3.66	3.23
S	2.87	2.94	2.87	2.89
MEAN	3.13	2.86	3.19	3.06
EXTRA	NONE	U 34910	MEAN	
	2.73	2.38	2.64	

GRAND MEAN 2.96

***** STANDARD ERRORS OF DIFFERENCES OF MEANS *****

TABLE	EXTRA	F FORM	F TIME	F FORM F TIME
SED	0.204	0.136	0.136	0.235
SED OF F FORM.F TIME v EXTRA NONE			0.204	
SED OF F FORM.F TIME v EXTRA U 34910			0.235	

***** STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION *****

STRATUM	DF	SE	CV%
BLOCK.WP	23	0.288	9.8
GRAIN MEAN DM%	89.0		
PLOT AREA HARVESTED	0.00195		