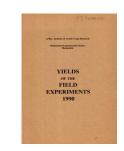
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# Yields of the Field Experiments 1990



Full Table of Content

# 90/R/WW/1 Varieties - W. Wheat

## **Rothamsted Research**

Rothamsted Research (1991) 90/R/WW/1 Varieties - W. Wheat; Yields Of The Field Experiments 1990, pp 104 - 105 - DOI: https://doi.org/10.23637/ERADOC-1-42

#### 90/R/WW/1

#### WINTER WHEAT

#### VARIETIES

Object: To study a selection of newer varieties of w. wheat - Highfield VI.

Sponsor: R. Moffitt.

Design: 2 blocks of 2 whole plots split into 10 sub plots.

Whole plot dimensions: 39.0 x 12.0.

Treatments: All combinations of:-

Whole plots

1. FUNGCIDE Fungicide:

NONE None

SPRAYED Prochloraz at 0.40 kg with fenpropimorph at 0.75 kg

in 200 l on 8 May, 1990. Propiconazole at 0.12 kg with carbendazim at 0.25 kg and maneb at 1.6 kg in

200 l on 14 June.

Sub plots:

VARIETY Varieties:

Apollo APOLLO Apostle APOSTLE Camp Remy CAMPREMY Dean Fortress FORTRESS Hornet HORNET Mercia MERCIA Parade PARADE Pastiche PASTICHE Riband RIBAND

NOTE: VARIETY - DEAN and RIBAND were dressed with triadimenol and fuberidazole.

Basal applications: Manures: 'Nitram' at 120 kg and later at 460 kg.
Weedkillers: Isoproturon at 1.7 kg in 200 l. Bromoxynil at 0.19 kg
and ioxynil at 0.19 kg with fluroxypyr at 0.20 kg in 200 l.

Seed: Varieties sown at 180 kg.

Cultivations, etc.:- Heavy spring-tine cultivated: 19 Aug, 1989. Deeptine cultivated with vibrating tines: 1 Nov. Ploughed: 7 Nov. Rotary harrowed, seed sown: 13 Nov. Isoproturon applied: 20 Nov. First N applied: 2 Mar, 1990. Second N applied: 10 Apr. Remaining weedkillers applied: 12 Apr. Combine harvested: 10 Aug. Previous crops: Mixed cereals 1988, w. wheat 1989.

## 90/R/WW/1

# GRAIN TONNES/HECTARE

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

FUNGCIDE	NONE	SPRAYED	Mean
VARIETY			
APOLLO	8.72	8.80	8.76
APOSTLE	8.53	8.86	8.70
CAMPREMY	7.00	7.34	7.17
DEAN	8.71	9.13	8.92
FORTRESS	6.94	7.49	7.22
HORNET	7.36	8.66	8.01
MERCIA	8.30	8.57	8.43
PARADE	7.74	8.50	8.12
PASTICHE	7.24	7.58	7.41
RIBAND	8.56	9.43	8.99
Moan	7 91	8.44	8.17
Mean	7.91	8.44	8

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

		FUNGCIDE 0.369		VARIETY		FUNGCIDE VARIETY 0.624		
				0.375				
Except w		comparing	means	with	the	same	level(s) 0.530	of

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

Stratum d.f. s.e. cv% WP.SP 18 0.530 6.5

GRAIN MEAN DM% 88.8

SUB PLOT AREA HARVESTED 0.00245