

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 1981

[Full Table of Content](#)

International Agricultural Institute
Rothamsted
Harpenden
Herts
SG8 5LN
UK
01494 471111
www.rothamsted.ac.uk

81/R/CS/256 Fungicides and Soil-borne Diseases - W. Wheat

Rothamsted Research

Rothamsted Research (1982) *81/R/CS/256 Fungicides and Soil-borne Diseases - W. Wheat* ; Yields Of The Field Experiments 1981, pp 198 - 199 - DOI: <https://doi.org/10.23637/ERADOC-1-35>

81/R/CS/256

WINTER WHEAT

FUNGICIDES AND SOIL-BORNE DISEASES

Object: To study the residual effects of a range of soil-applied fungicides on soil-borne diseases and yield of w. wheat - Claycroft.

Sponsor: G.L. Bateman.

The second year, w. wheat.

For previous year see 80/R/WW/7.

Design: 4 randomised blocks of 7 plots.

Whole plot dimensions: 2.13 x 12.2.

Treatments:

FUNGICIDE(80)	Residues of fungicides and times and methods of application for w. wheat harvested 1980:
NONE	None (duplicated)
BEN A	Benomyl at 20 kg, worked in to seedbed in autumn
BEN S	Benomyl at 20 kg, as a drench in 5400 l in spring
CHL A	Chloroneb at 14 kg, worked in to seedbed in autumn
KWG A+S	'KWG 0599' at 23 kg a.i. worked in to seedbed in autumn, repeated as a drench in 5400 l in spring
NUA A+S	Nuarimol at 4.4 kg worked in to seedbed in autumn, repeated as a drench in 5400 l in spring

Basal applications: Manures: (10:23:23) at 250 kg, combine drilled. 'Nitro-Chalk' at 560 kg. Weedkillers: Paraquat at 0.84 kg ion in 250 l. Isoproturon at 2.1 l in 250 l. Mecoprop with bromoxynil and ioxynil (as 'Brittox' at 3.7 l) in 250 l.

Seed: Flanders, with no seed dressing, sown at 200 kg.

Cultivations, etc.: - Heavy spring-tine cultivated twice: 12 Sept, 1980, 16 Sept. Paraquat applied: 3 Oct. Rotary harrowed: 6 Oct. Seed sown: 9 Oct. Isoproturon applied: 9 Apr, 1981. N applied: 15 Apr. 'Brittox' applied: 23 Apr. Combine harvested: 26 Aug.

NOTE: Foot and root rots were assessed monthly between April and July.

81/R/CS/256

GRAIN TONNES/HECTARE

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

FUNGCIDE(80)	NONE	BEN A	BEN S	CHL A	KWG A+S	NUA A+S	MEAN
	6.68	6.76	7.28	6.64	7.00	7.26	6.90

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

TABLE	FUNGCIDE(80)
SED	0.171 MIN REP 0.148 MAX-MIN

	FUNGCIDE(80)
MAX-MIN	NONE V ANY OF REMAINDER
MIN REP	ANY OF REMAINDER

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

STRATUM	DF	SE	CV%
BLOCK.WP	19	0.242	3.5

GRAIN MEAN DM% 86.2

PLOT AREA HARVESTED 0.00176