

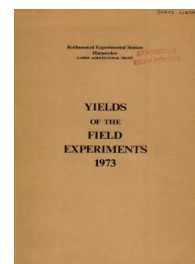
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1973

[Full Table of Content](#)



73/R/WW/4 - Septoria - Winter Wheat

Rothamsted Research

Rothamsted Research (1974) *73/R/WW/4 - Septoria - Winter Wheat* ; Yields Of The Field Experiments 1973, pp 308 - 309 - DOI: <https://doi.org/10.23637/ERADOC-1-98>

73/R/WW/4

WINTER WHEAT

SEPTORIA

Object: To study the effects of different amounts of artificially and naturally infected straw and artificially infected seed on the development of Septoria and its effects on yield - Great Knott I.

Sponsors: J.F. Jenkyn, J. King (MAFF).

Design: 6 x 6 Latin square.

Whole plot dimensions: 4.27 x 9.14. Area harvested: 0.00260.

Treatments: Infection with Septoria	SEPTORIA
None	0
Straws, artificially infected, worked into seedbed (8 cm pieces, thousands per hectare):-	
143	ART1
765	ART2
2470	ART3
Straws, naturally infected, worked into seedbed (8 cm pieces, thousands per hectare):-	
2470	NAT3
Seed artificially infected	SEED

Basal applications: Manures: 310 kg (0:20:20) combine drilled, 380 kg 'Nitro-Chalk' in spring. Weedkiller: MCPA, mecoprop and dicamba ('Tetralex plus' 7.0 l in 220 l).

Seed: Cappelle, dressed with dieldrin, sown at 200 kg.

Cultivations, etc.:- Deep-tine cultivated twice, inoculum applied and power harrowed: 24 Oct, 1972. Seed combine drilled: 25 Oct. N applied: 13 Apr, 1973. Weedkiller applied: 26 Apr. Combine harvested: 22 Aug. Previous crops: Fallow 1971, potatoes 1972.

NOTE: Septoria nodorum was assessed soon after seedling emergence and after ear emergence.

Standard error per plot.

Grain, tonnes/hectare: 0.421 or 6.7% (20 d.f.)

73/R/WW/4

TABLES OF MEANS

GRAIN: TONNES/HECTARE

SEPTORIA

□	ART1	ART2	ART3	NAT3	SEED	Mean
6.10	6.55	6.18	6.35	6.14	6.36	6.28

STANDARD ERROR OF DIFFERENCES

SEPTORIA

0.243

Mean D.M. % 84.7