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Yields of the Field Experiments 1975

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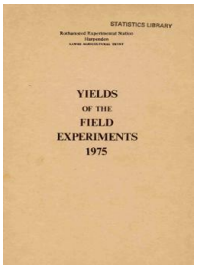

75/ Rtws/1 - Control of Foliar Diseases - Spring Wheat

Rothamsted Research

Rothamsted Research (1976) *75/ Rtws/1 - Control of Foliar Diseases - Spring Wheat ;* Yields Of The Field Experiments 1975, pp 303 - 304 **- DOI: https://doi.org/10.23637/ERADOC-1-141**

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75/R/WS/1

SPRING WHEAT

CONTROL OF FOLIAR DISEASES

Object: To study the effects of a range of fungicides on the incidence of foliar diseases and yield of spring wheat - Fosters Corner.

Sponsors: J.F. Jenkyn, A. Bainbridge.

Design: 3 randomised blocks of 7 plots.

Whole plot dimensions: 4.27 x 9.14.

Treatments: Fungicide and methods of application:-

	FUNGCIDE
None	0
Benodanil foliar spray on 18 June and 18 July	BS 2
Carbendazim foliar spray on 18 June and 18 July	CS 2
MEB 6447 foliar spray on 18 June and 18 July	MS 2
Tridemorph foliar spray on 18 June and 18 July	TS 2
MEB 6447 seed dressing and MEB 6447 foliar spray on 18 July	MD MS 1
MEB 6447 seed dressing and benodanil, carbendazim, MEB 6447, tridemorph foliar sprays on 18 June and 18 July	MD ALL S

NOTES: (1) All foliar fungicides were applied in 340 l:-
(a) Benodanil at 1.12 kg with 175 ml Cistowett.
(b) Carbendazim at 0.25 kg.
(c) MEB 6447 at 0.25 kg a.i.
(d) Tridemorph at 0.53 kg.
(2) MEB 6447 seed dressing was applied at 50 g a.i. per 100 kg seed.

Basal applications: Manures: (20:14:14) at 380 kg combine drilled.
Weedkiller: Dicamba with mecoprop and MCPA ('Tetralex Plus' at 7.0 l in 220 l).

Seed: Kleiber, sown at 190 kg.

Cultivations, etc.:- Ploughed: 11 Nov, 1974. Spring-tine cultivated: 21 Apr, 1975. Spring-tine cultivated and rotary harrowed: 24 Apr. Seed sown and harrowed in: 25 Apr. Weedkiller applied: 13 June. Combine harvested: 28 Aug. Previous crops: Barley 1973, beans 1974.

NOTES: (1) MEB 6447 seed dressing lessened germination.
(2) Mildew was assessed on three occasions.

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*** TABLE OF MEANS ***

GRAIN TONNES/HECTARE

FUNGCIDE	0	BS 2	CS 2	MS 2	TS 2	MD MS 1	MD ALL S	MEAN
	2.77	2.77	2.92	3.24	2.96	2.90	2.45	2.86

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

TABLE	FUNGCIDE
SED	0.166

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

STRATUM	DF	SE	CV%
BLOCK.WP	12	0.204	7.1

GRAIN MEAN DM% 87.0

PLOT AREA HARVESTED 0.00195

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