

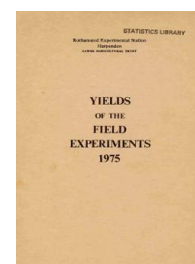
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1975

[Full Table of Content](#)



75/ R/B/1 - Fungicides & Mildew - Barley

Rothamsted Research

Rothamsted Research (1976) 75/ R/B/1 - *Fungicides & Mildew - Barley* ; Yields Of The Field Experiments 1975, pp 305 - 306 - DOI: <https://doi.org/10.23637/ERADOC-1-141>

75/R/B/1

WINTER BARLEY

FUNGICIDES AND MILDEW

Object: To study the effects of applying tridemorph on one or two occasions on the incidence of mildew and the yield of winter barley - Fosters West.

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

Design: 4 randomised blocks of 3 plots.

Whole plot dimensions: 4.27 x 9.14.

Treatments: Times of applying tridemorph:-

TRIDEMOR

None

NONE

Once, 20 May

ONCE

Twice, 20 May, 13 June

TWICE

NOTE: Tridemorph was applied at 0.53 kg in 340 l.

Basal applications: Manures: (0:20:20) at 310 kg combine drilled, 'Nitro-Chalk' at 410 kg. Weedkiller: Ioxynil with macroprop ('Actril C' at 7.0 l in 220 l).

Seed: Senta, sown at 160 kg.

Cultivations, etc.: Rotary harrowed: 5 Dec, 1974. Seed sown, harrowed: 6 Dec. N applied: 25 Apr, 1975. Weedkiller applied: 19 May. Combine harvested: 30 July. Previous crops: Barley 1973, fallow 1974.

NOTE: Leaves of mildewed plants were fed C^{14} and assessed after 24 hours and at harvest for distributions of C^{14} within the plant. Mildew assessments were made throughout the season.

75/R/E/1

*** TABLES OF MEANS ***

GRAIN TONNES/HECTARE

TRIDEMOR	NONE	ONCE	TWICE	MEAN
	3.83	4.66	4.39	4.30

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

TABLE	TRIDEMOR
-----	-----
SED	0.354

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

STRATUM	DF	SE	CV%
BLOCK.WP	6	0.501	11.7

GRAIN MEAN DM% 86.1

PLOT AREA HARVESTED 0.00260