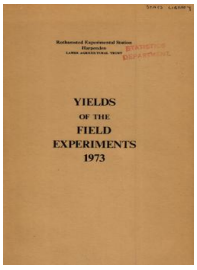
This work is licensed under a Creative Commons Attribution 4.0 International License.

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 readible, or you suspect there are some problems, please let us know and we will correct that.

Yields of the Field Experiments 1973

Full Table of Content



73/R/BW/1 - Times of Applying Fungicides - Winter Barley

Rothamsted Research

Rothamsted Research (1974) *73/R/BW/1 - Times of Applying Fungicides - Winter Barley ;* Yields Of The Field Experiments 1973, pp 314 - 314 **- DOI: https://doi.org/10.23637/ERADOC-1-98**

This work is licensed under a Creative Commons Attribution 4.0 International License.

73/R/BW/1

WINTER BARLEY

TIMES OF APPLYING FUNGICIDES

Object: To study the effects of fungicides applied to barley at specific stages of mildew development on subsequent infection and on yield - Hoosfield.

Sponsor: A. Bainbridge.

Design: 5 x 5 Latin square.

Whole plot dimensions: 4.27 x 9.14. Area harvested: 0.00195.

Treatments: Times of applying fungicides	FUNGCIDE
None	0
Seed dressed with ethirimol	ED
Sprayed with tridemorph at 0.7 l in 340 l	
at GS 2-3 (beginning of tillering) on 19 Mar	TS1
at GS 8 (last leaf just visible) on 18 May (when spore numbers in traps were increasing rapidly)	TS2
at GS 10.5 (all ears out of sheath) on 31 May	TS3

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

Seed: Senta sown at 160 kg.

Cultivations, etc.:- Ploughed: 11 Sept, 1972. Disced twice: 18 Sept. Rotary harrowed: 28 Sept. Seed sown: 29 Sept. N applied: 14 Apr, 1973. Weedkiller applied: 26 Apr. Combine harvested: 26 July. Previous crops: Barley 1971, barley 1972.

NOTE: Determinations were made of numbers of seedlings at emergence, amounts of foliar disease and the number of fertile tillers.

Standard error per plot.
Grain, tonnes/hectare: 0.237 or 4.1% (12 d.f.)

https://doi.org/10.23637/ERADOC-1-98