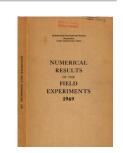
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Numerical Results of the Field Experiments 1969



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Rothamsted Research

Rothamsted Research (1970) 69/R/B/4 - Early & Late Mildew - Barley; Numerical Results Of The Field Experiments 1969, pp 265 - 266 - DOI: https://doi.org/10.23637/ERADOC-1-96

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BARLEY

(69/R/B/4)

Early and late mildew (Erysiphe graminis), Long Hoos I and II 1969.

Design: 4 randomised blocks of 4 plots.

Area of each plot: 0.0321. Area harvested: 0.0129.

Treatments: Fungicide ethirimol ('PP149' or 'Milstem'):None

(0)
0.25 lb as seed dressing
2 lb as seed dressing, crop sprayed on 2 occasions,
the first at 1 lb and the second at 1.5 lb in 30
gals.

(8D)
Crop sprayed on 2 occasions as above
(4S)

Basal applications: 340 lb (20:10:10) combine drilled.
Weedkiller: Mecoprop at 36 oz and 2,4-D at 9 oz in 20 gals.

Cultivations, etc.: Deep-tine cultivated 3 times: 13 Nov, 1968.

Seed drilled at 140 lb: 27 Mar, 1969. Weedkiller applied:

15 May. Ethirimol spray applied: 25 June and 10 July. Combine harvested: 14 Aug. Variety: Zephyr. Previous crops:
Fallow 1967, potatoes 1968.

NOTE: Samples were taken for assessment of mildew (Erysiphe graminis) and other foliar diseases and for assessment of tiller number, tiller length and ear sizes.

Standard error per plot.
Grain, cwt: 2.09 or 4.2% (9 d.f.)

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SUMMARY OF RESULTS

0		1D	8 _D	45	Mean
200	efni sike	GRAIN	: CWT	- lake sout	
		(±1.05)			
48.4		48.6	52.6	49.1	49.7
		STRAW	: CWT		on their i
32.5		31.3	36.1	34.0	33.5

Mean D.M.%: Grain: 80.5 Straw: 82.7