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Numerical Results of the Field Experiments 1970

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70/R/B/4 Barley Early and Late Mildew (*Erysiphe Graminis*)

Rothamsted Research

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BARLEY

(70/R/B/4)

Early and late mildew (*Erysiphe graminis*), Long Hoos V
1970.

Design: 4 randomised blocks of 4 plots.

Area of each plot: 0.0257. Area harvested: 0.0129.

Treatments: Fungicide, ethirimol:-

None	(0)
0.25 lb as seed dressing	(1D)
2.0 lb as seed dressing plus 1 lb in 35 gals as a foliar spray on 2 occasions	(8D&S)
1.0 lb in 35 gals as a foliar spray on 2 occasions	(8S)

Basal applications: 360 lb (20:10:10) combine drilled. Weedkiller:
2,4-D at 0.5 lb and dichlorprop at 2 lb in 20 gals.

Cultivations, etc.: Deep-tine cultivated: 27 Oct, 1969. Seed
combine drilled at 140 lb: 19 Apr, 1970. Weedkiller applied:
27 May. Fungicide sprays applied: 16 June and 8 July.
Combine harvested: 12 Aug. Variety: Zephyr. Previous
crops: Spring oilseed rape 1968, potatoes 1969.

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: 2.33 or 7.8% (9 d.f.)

70/R/B/4

SUMMARY OF RESULTS

0	1D	8D8S	8S	Mean
GRAIN: CWT				
(+1.17)				
28.5	29.5	31.1	29.8	29.7
STRAW: CWT				
15.0	15.5	17.0	15.3	15.7

Mean D.M. %: Grain: 82.0
Straw: 82.8