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Numerical Results of the Field Experiments 1969

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69/R/B/4 - Early & Late Mildew - Barley

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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 (1D)
- 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.)

SUMMARY OF RESULTS

0	1D	8D	4S	Mean
GRAIN: CWT				
(±1.05)				
48.4	48.6	52.6	49.1	49.7
STRAW: CWT				
32.5	31.3	36.1	34.0	33.5

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