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68/C/10 Intensive Winter Barley Growing Experiment

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68/c/10.1

INTENSIVE WINTER BARLEY GROWING EXPERIMENT

(BJ)

Hoosfield (Old Four Course) 1968, the fourth year, winter barley.

For details of treatments, etc. see 'Results' 65/C/25 and for previous years' results see 'Results' 65/C/25, 66/C/16 and 67/C/12.

Area of each plot: 0.0386. Area harvested: 0.0257.

The nitrogen rates are now 0.3, 0.6, 0.9 cwt N as 'Nitro-Chalk' to all crop sequences.

The variety is Maris Otter.

Basal applications: Basal fertiliser as previously. Weedkiller: Ioxynil/mecoprop (Atril C at 6 pints in 20 gals).

Cultivations, etc.: Ploughed: 12 Sept, 1967. Seed drilled at 140 lb: 9 Oct. 'Nitro-Chalk' applied: 5 Apr, 1968. Weedkiller applied: 26 Apr. Combine harvested: 30 July.

NOTE: Estimates of Eyespot (*Cercospora herpotrichoides*) and take-all (*Ophiobolus graminis*) were made in spring and summer.

Standard error per plot.

Grain: 2.06 or 6.2% (22 d.f.)

68/c/10.2

SUMMARY OF RESULTS

GRAIN

Crop	B	O	B	Be	Mean
1965	B	B	Be	B	
1966	B	Be	B	O	
1967					
	(±1.19)				(±0.60)
N1	25.0	31.6	25.6	23.8	26.5
N2	34.0	36.9	33.1	33.8	34.5
N3	38.3	40.0	36.7	38.8	38.4
Mean (±0.69)	32.4	36.1	31.8	32.1	33.1

Mean D.M. %: 83.9