ROTHAMSTED RESEARCH

Yields of the Field Experiments 1988

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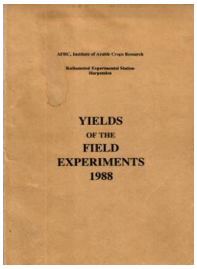

88/R/B/6 Harvest Dates and Malting Quality - W. Barley

Rothamsted Research

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88/R/B/6

WINTER BARLEY

HARVEST DATES AND MALTING QUALITY

Object: To investigate the effects of harvest dates on yield and malting quality of winter barley - Appletree.

Sponsor: J.F. Jenkyn.

Design: 4 randomised blocks of 5 plots.

Whole plot dimensions: 3.0 x 14.0.

Treatments:

HARVDATE	Harvest dates:
V EARLY	Very early on 27 July, 1988
EARLY	Early on 5 Aug
OPTIMUM	Optimum on 12 Aug
LATE	Late on 18 Aug
V LATE	Very late on 26 Aug

Basal applications: Manures: 'Nitram' at 120 kg and later at 250 kg. Weedkillers: Fluroxypyr at 0.20 kg with clopyralid at 0.07 kg and bromoxynil at 0.34 kg in 200 l. Fungicides: Prochloraz at 0.40 kg and carbendazim at 0.15 kg in 200 l. Propiconazole at 0.12 kg and tridemorph at 0.25 kg in 200 l.

Seed: Magie, sown at 160 kg.

Cultivations, etc.:- Cultivated by rotary grubber: 26 Sept, 1987. Ploughed, rotary harrowed, seed sown: 7 Nov. First N applied: 2 Mar, 1988. Second N applied: 8 Apr. Prochloraz and carbendazim applied: 21 Apr. Weedkillers applied: 26 Apr. Remaining fungicides applied: 17 May. Previous crops: Potatoes 1986, w. wheat 1987.

NOTE: Malting quality was assessed on the grain.

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88/R/B/6

GRAIN TONNES/HECTARE

***** Tables of means *****

HARVDATE	
V EARLY	6.41
EARLY	6.67
OPTIMUM	6.53
LATE	6.77
V LATE	6.57
Mean	6.59

*** Standard errors of differences of means ***

HARVDATE
0.173

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.244	3.7

GRAND MEAN DM% 80.3

PLOT AREA HARVESTED 0.00434

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