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## 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.

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		