

DEPARTMENT OF AGRICULTURE, FISHERIES AND FOOD AN ROINN TALMHAIOCHTA , IASCAIGH AGUS BIA

WINTER CEREAL RECOMMENDED LIST 2009

WINTER BARLEY

INTRODUCTION

This leaflet contains a list of those varieties which have shown superior merit over a number of years in the Department's Cereal Variety Evaluation Programme.

Growers should give preference to the varieties listed here unless there is strong evidence that some other variety registered on the National Catalogue of Agricultural Plant Varieties is more suited to their conditions. When large acreages are sown it is advisable to grow a number of varieties, chosen to minimise the effects of disease epidemics.

For winter barley new varieties are entered into combined Recommended/National List trials. Trials are carried out at the Department's variety evaluation centres at Backweston, Kildalton and Moorepark and on commercial farms recommended by Teagasc tillage advisors and in line with the Code of Good Farming Practise.

Varieties appearing on the List for the first time are **Provisionally Recommended**: Winter barley varieties having been evaluated for a minimum of three years in combined Recommended/National List trials. The eventual status of these varieties is determined by level of performance in ongoing trials; fully **Recommended** classification may be deemed merited after a further one to three years, or alternatively they may be removed from the List at any stage.

VARIETY RATINGS

Variety ratings are derived from the mean of data from the 2006– 2008 trials.

Yielding capacity of each variety is given as a percentage of control varieties (100). Yield ratings are from trials carried out in accordance with good commercial husbandry practices.

Actual data are given for **1000 grain weight** and **hectolitre weight**.

Assessment of other characteristics is based on a scale of 1 to 9; a high figure is desirable and indicates possession of the characteristic to a high degree. For **shortness of straw** a difference of one point represents approximately 5 cm (2 inches). For **earliness of ripening** a difference of one point represents 2 days. Varieties with **disease ratings** of 8 or over are very resistant; 7 indicates good resistance and 6 moderate resistance; 5 indicates moderate susceptibility while 4 is rated susceptible; 1, 2 and 3 are very susceptible. Figures are bracketed where information is limited.

Important Notice:

The Department of Agriculture and Food has taken all due care in evaluating the performance of the listed varieties for yield, quality, disease resistance and the important agronomic characteristics, over a wide range of soils and environmental conditions, for a minimum period of three years. The Department of Agriculture and Food cannot, however, accept responsibility for any loss or inconvenience arising from any future variation in absolute or relative varietal performance.

Recommended Lists on the DAF Website

The Spring and Winter Cereal Recommended Lists are available on the Department of Agriculture, Fisheries and Food website:

www.agriculture.gov.ie

Enter the website and click on **Publications**.

WINTER BARLEY 2009

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED				PROVISIONALLY RECOMMENDED
	CAMION	SAFFRON	SPECTRUM	AMARENA	BOOST
Relative Yield **	99	102	99	105	106
Shortness of straw	6	6	7	5	5
Strength of straw	6	7	7	7	(7)
Earliness of ripening	6	5	6	6	(7)
Resistance to:					
Mildew	5	4	5	7	(6)
<i>Rhynchosporium</i>	5	5	5	6	(6)
Brown Rust	5	6	5	7	(4)
Net Blotch	7	7	6	7	(7)
Grain quality:					
1000 grain weight (g)	53.5	56.7	57.7	47.2	47.5
Hectolitre weight (kg/hl)	68.7	68.4	65.8	62.1	65.6
Year First Listed	2005	2007	2005	2008	2009

* Based on trial results from **2006, 2007** and **2008**.

◆ Yields are expressed as a percentage of the mean of **Camion, Saffron** and **Spectrum**. (100 = 9.275 t/ha @ 15% moisture content).

NOTES ON VARIETIES

RECOMMENDED

CAMION: A moderately early maturing British feed variety with high yield potential. Moderately short and moderately stiff straw. Moderately susceptible to mildew, *Rhynchosporium* and brown rust with good resistance to net blotch.

- Cross: (Antigua x Melanie) x Fanfare.
- Breeder/Irl. Agent: C.P.B. Twyford Ltd., Goldcrop Ltd.
- Seed Availability: 7% *

SAFFRON: A moderately late maturing British feed variety with high yield potential. Moderately short stiff straw. Susceptible to mildew and moderately susceptible to *Rhynchosporium*. Moderately resistant to brown rust with good resistance to net blotch.

- Cross: Antigua x Tabatha.
- Breeder/Irl. Agent: C.P.B. Twyford Ltd., Goldcrop Ltd.
- Seed Availability: 65 % *

SPECTRUM: A moderately early maturing British feed variety with high yield potential. Short stiff straw. Moderately susceptible to mildew, *Rhynchosporium* and brown rust. Moderately resistant to net blotch.

- Cross: Pearl x Camera.
- Breeder/Irl. Agent: Nickerson, Seed Technology Ltd.
- Seed Availability: 8 % *

AMARENA: A moderately early maturing six-row French feed variety with very high yield potential. Moderately long, stiff straw. Good resistance to mildew, brown rust and net blotch. Moderately resistant to *Rhynchosporium*. Yellow rust susceptible. Small grain with a relatively low hectolitre weight. (Grain quality of six-row are generally inferior to two- row varieties)

- Cross: Carola x Angela .
- Breeder/Irl. Agent: Saatent Union, Goldcrop Ltd..
- Seed Availability: 2 % *

PROVISIONALLY RECOMMENDED

BOOST: An early maturing **hybrid** six-row British feed variety with very high yield potential. Moderately long, stiff straw. Moderately resistant to mildew and *Rhynchosporium*. Brown rust susceptible. Good resistance to net blotch. Small grain but with a reasonable hectolitre weight. (Grain quality of six-row are generally inferior to two- row varieties)

- Cross: F1 Hybrid.
- Breeder/Irl. Agent: Syngenta Seeds Ltd, Seed Technology Ltd.
- Seed Availability: 1 % *

(* Refers to Certified Winter Barley Seed Availability 2008)