

Y = suited to that market  
(Y) = may be suited to that market

## GRAIN QUALITY AND MARKETING

	PANORAMA	Einstein	Cordiale
Protein content (%)	11.6	11.9	12.2
Specific weight (kg/hl)	77.6	77.5	79.3
Hagberg falling number	248	263	301
1000 grain weight (g)	48.3	50.3	45.8
Chopin alveograph W	213	173	247
Chopin alveograph P/L	0.6	0.5	0.7
UK bread-making	Y	Y	Y
ukp Export soft	(Y)	Y	Y

Panorama is a hard textured bread-making wheat, classified in Group 2 by **nabim**. It has a high specific weight and a good Hagberg falling number (HFN).

## SOWING DATE

The latest safe sowing date for Panorama is the end of February.

## FREE HUSBANDRY GUIDELINES

A comprehensive grower's husbandry guide is available for Panorama. Copies may be downloaded via the website: [www.limagrain.co.uk/panorama](http://www.limagrain.co.uk/panorama) or by post from the Limagrains Arable Marketing Department at the address below.

Data from the HGCA Recommended Lists database, full data at [www.hgca.com](http://www.hgca.com)

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree.



Bred by Nickerson.

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## Technical and Marketing Guide



- Hard milling wheat with excellent yield and bread-making potential
- Outstanding resistance to yellow rust
- Good lodging resistance
- Very good grain quality
- HGCA Recommended List **nabim** Group 2
- DARD Recommend List



[www.limagrain.co.uk/panorama](http://www.limagrain.co.uk/panorama)

## SUMMARY

Panorama winter wheat is a very high yielding potential bread-making variety. It has good lodging resistance and very good resistance to the main foliar diseases, particularly yellow rust and mildew. Panorama has an excellent specific weight and a good Hagberg falling number (HFN)

## PEDIGREE

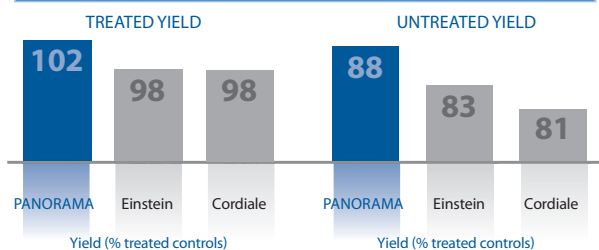
Solstice x Xi19

## BREEDER AND AGENT

Breeder: Limagrain Europe

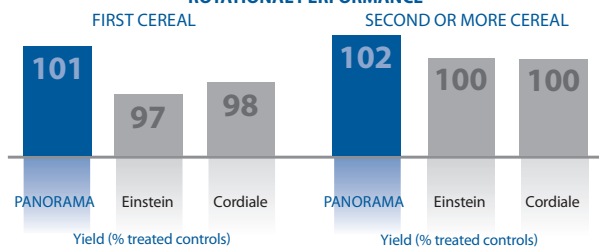
Agent: Limagrain UK

## VERY HIGH YIELD POTENTIAL



Panorama has shown an excellent yield potential in trials, 4% above Einstein when fungicide treated and 5% above without treatment.

## ROTATIONAL PERFORMANCE



Panorama has shown a high yield potential in both the first and second cereal positions.

NB: The above data originates from different data sets and should not be used to compare first and second cereal performance.

## STRAW CHARACTERS

	PANORAMA	Einstein	Cordiale
Straw height (cm) Untreated	92	88	82
Resistance to lodging (without PGR)	8	6	8
Resistance to lodging (with PGR)	9	7	8
Ripening (days +/- Solstice, - = later)	+2	0	-3
Resistance to sprouting	7	6	6

Panorama has moderately tall straw with very good resistance to lodging. It is later to ripen than Einstein.

## DISEASE RESISTANCE

Resistance to:	PANORAMA	Einstein	Cordiale
Mildew	7	6	6
Yellow rust	9	6	6
Brown rust	4	5	3
<i>Septoria nodorum</i>	6	6	5
<i>Septoria tritici</i>	6	5	5
Eyespot	5	6	5
<i>Fusarium</i> ear blight	7	6	6

Panorama has a very good disease resistance profile with excellent resistance to mildew and yellow rust.

Panorama also has very good resistance to *Fusarium* ear blight, an important characteristic for a bread-making variety.

