

NEW



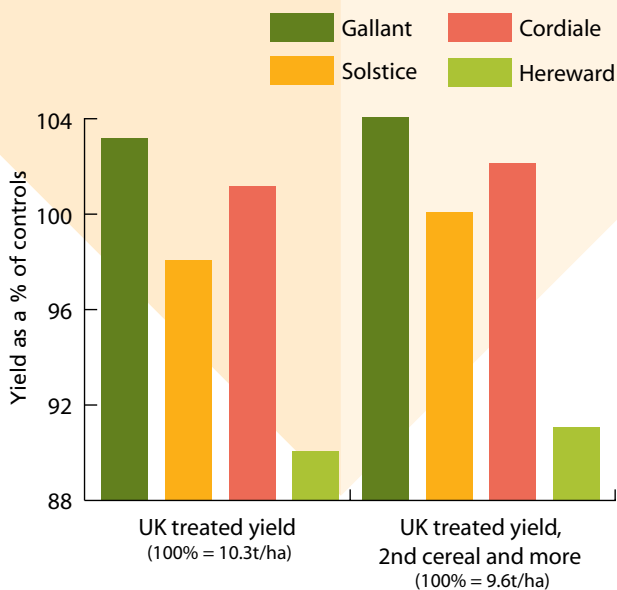
The top yielding nabim Group 1 winter wheat

Parentage: (Malacca/Charger) x Xi19

Status: HGCA Recommended List 2009

Yield Potential

Gallant is the highest yielding nabim Group 1 winter wheat available ~ 5% higher yielding than Solstice (over 0.5t/ha more). It is also the highest yielding Group 1 variety in a second cereal position.



Top nabim Group 1 yields across all HGCA regions and soil types

	Variety yield as a % of controls			
	Gallant	Solstice	Cordiale	Hereward
Heavy soils treated yield (10.7t/ha)	104	99	101	(92)
Light soils treated yield (9.5t/ha)	(102)	99	100	89
East region treated yield (10.2t/ha)	103	98	101	91
West region treated yield (10.4t/ha)	105	99	100	88
North region treated yield (10.4t/ha)	(102)	97	99	#

Source: HGCA Recommended List 2009/10, () denotes limited data, # no yield data listed for Hereward in the north

Gallant winter wheat also has the highest nabim Group 1 figure for untreated grain yield, the highest Group 1 figure for first cereal treated yield and the highest Group 1 figure for yield when drilled before 6 October.

Disease Resistance Profile

Variety	Mildew	Yellow Rust	Brown Rust	<i>Septoria tritici</i>	Eyespot	Fusarium
Gallant	5	6	4	5	5	(6)
Solstice	5	9	3	5	5	6
Cordiale	6	8	3	5	5	6
Hereward	5	5	5	5	4	6

Source: HGCA Recommended List 2009/10, () denotes limited data

Grain Quality

Gallant is a nabim Group 1 variety and, when grown for quality, meets full breadmaking specifications. It has produced very good and consistent quality across three very different growing seasons (2006-2008).

Variety	Protein content (%)	Hagberg falling number (seconds)	Specific weight (kg/hl)
Gallant	12.0	281	77.3
Solstice	12.1	263	77.6
Cordiale	12.4	293	79.0
Hereward	13.1	228	78.7

Source: HGCA Recommended List 2009/10
On the 1-9 scale high figures indicate that a variety shows the character to a high degree (e.g. high resistance)



Growth Habit

Gallant is suitable for drilling from early September.

It is a relatively short-stawed variety with very early maturity (similar to Cordiale), helping to spread harvest workload and enabling growers to get their quality wheat harvested and in store as soon as possible.

Variety	Ripening days +/- Claire	Height without PGR (cm)	Resistance to lodging without PGR	Resistance to lodging with PGR
Gallant	-2	86	7	8
Solstice	+1	96	8	9
Cordiale	-2	82	8	9
Hereward	0	88	8	9

Source: HGCA Recommended List 2009/10

Agronomy

Always consult your agronomist and adapt to local conditions.

Gallant has excellent yield potential across all regions and soil types.

Seed Rate

Seed rates are dependent on soil conditions, rotation and time of drilling. The more difficult the environment, the higher the seed rate needs to be to compensate for potential plant loss. Suggested seed rates per square metre are shown below, these should always be used in conjunction with thousand grain weight.

- September to mid-October: 220-225 seeds/m²
- Mid-October onwards: 250-275 seeds/m²

Core Fungicide Programme

As with all high yielding varieties, a robust fungicide programme is likely to result in an increase in yield.

T0 – Bravo 1.0lt/ha + triazole if rust risk is high

T1 – Cherokee 1.5lt/ha + Unix 0.5kg/ha

T2 – Amistar Opti 1.25lt/ha + triazole (three quarter rate)

T3 – Amistar 0.5lt/ha + triazole (quarter to half rate)

Nitrogen Application

Gallant's high yield means that extra nitrogen may be required to ensure that breadmaking specifications are met.

- Total application in the region of 180-220kg/ha
- 40-60kg N/ha at flag leaf fully emerged will increase the grain protein level

These figures are for guidance purposes only. You must work with your agronomist when calculating nitrogen rates and timings, taking into consideration end market requirements and the fertility of the field. You should also work within any Defra guidelines / restrictions.

PGRs

- Gallant is a very stiff-stawed variety
- As an insurance measure chlormequat at 1.5lt/ha can be applied at GS30
- In higher risk situations, adding Moddus will increase root structure and aid plant shortening, apply chlormequat 1.25lt/ha + Moddus 0.2lt/ha at T1
- In low plant populations, Moddus applied at GS29-30 will help root stimulation and promote tiller numbers

Storage Management

Correct storage of quality wheat is a priority to ensure harvest quality remains. Detailed wheat storage and marketing information can be found in the nabim publication 'Getting it right' and on the nabim website: www.nabim.org/uk

Source: Data from HGCA Recommended Lists, full database at <http://www.hgca.com>

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