



Gallant

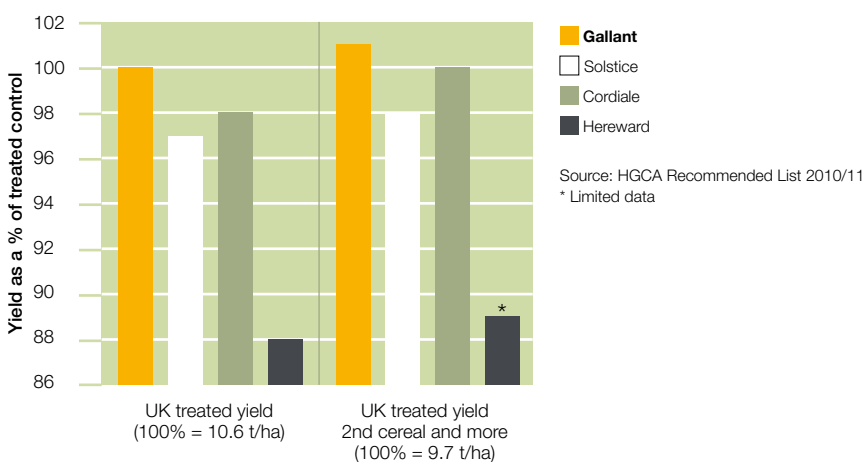
Winter Wheat

Parentage: (Malacca x Charger) x Xi19
Status: HGCA Recommended List 2010/11

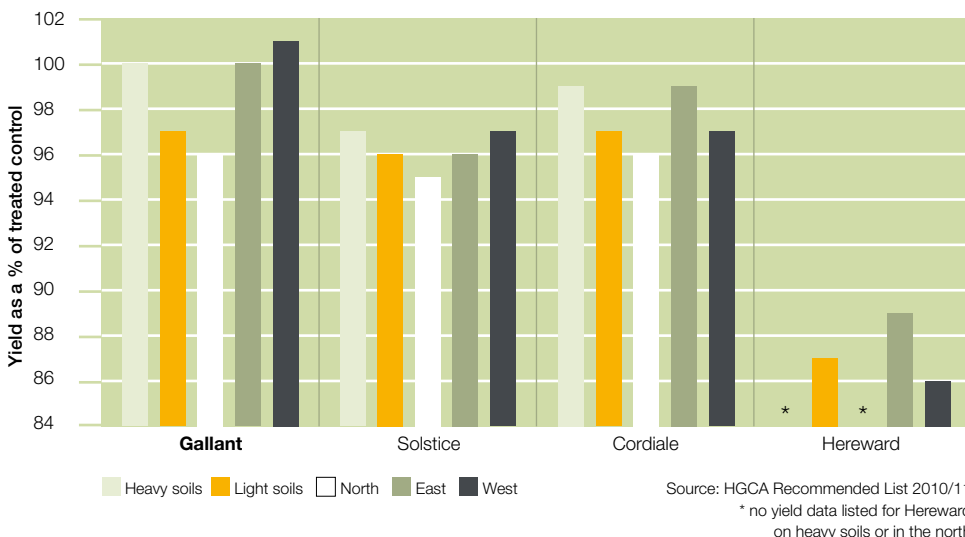
The top yielding nabim Group 1 winter wheat

Yield potential

Gallant is a high output winter wheat variety which has set a new benchmark in nabim Group 1 milling wheat ~ 3% higher yielding than Solstice. As well as top yields, Gallant has produced consistent quality. It is also the highest yielding Group 1 variety in a second cereal position.



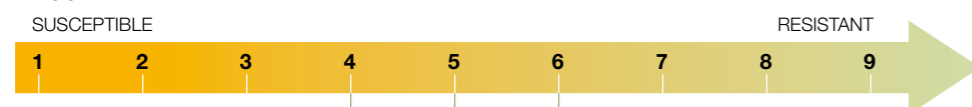
High nabim Group 1 yields across all HGCA regions and soil types



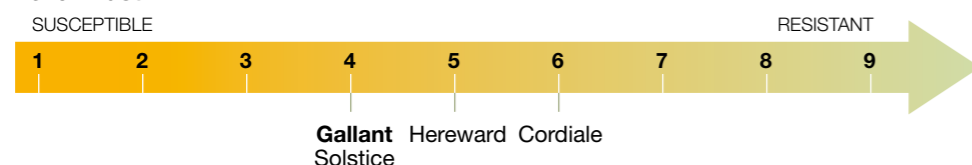
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Disease resistance

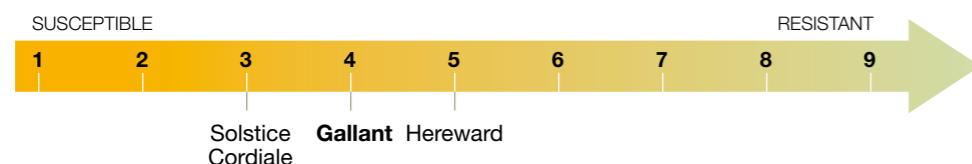
Mildew



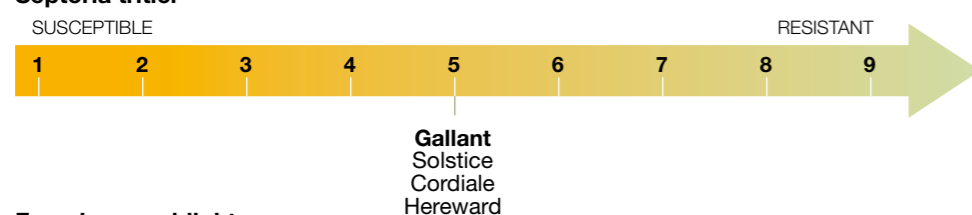
Yellow rust



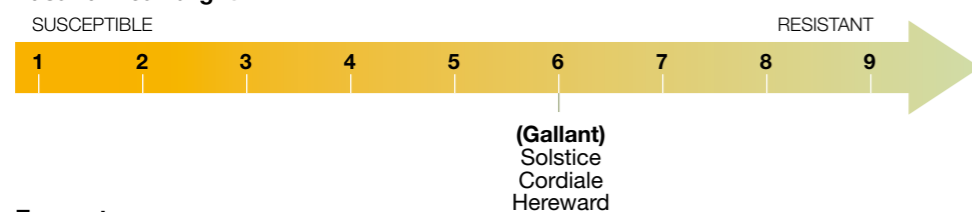
Brown rust



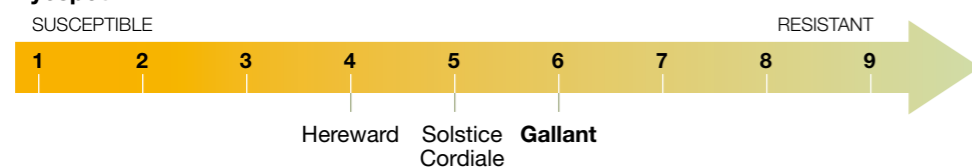
Septoria tritici



Fusarium ear blight



Eyespot



Source: HGCA Recommended List 2010/11
() denotes limited data

Fungicide use

Always consult your agronomist and adapt programmes to local conditions.

CORE PROGRAMME

With all high yielding varieties, a robust fungicide programme will result in an increase in yield and is essential to maintain quality. As with other varieties, with a new race of yellow rust now present, it will be important to factor this into fungicide decisions from the start.

T0 – Cherokee 0.75-1.0 lt/ha

T1 – Cherokee 1.5 lt/ha + Unix 0.5 kg/ha (against eyespot)

T2 – Amistar Opti 1.25 lt/ha + rust-active triazole (eg three quarter rate)

T3 – Amistar Opti 0.75-1.0 lt/ha + Fusarium-active triazole

Agronomic information

As well as top yields, Gallant is practical to grow – with good standing power and very early maturity.

Variety	Ripening (+/- Solstice)	Resistance to lodging without PGR	Resistance to lodging with PGR	Straw height (cm) without PGR
Gallant	-2	7	8	86
Solstice	0	8	9	97
Cordiale	-2	8	8	83
Hereward	0	8	8	89

Source: HGCA Recommended List 2010/11

Growth habit

Gallant is suitable for drilling from early September.

It is a relatively short-strawed 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.

Recommended sowing rates

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

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 220-240 kg/ha

This could be applied as follows:

- 25% at tillering
- 50% at GS31-32 (but no later than 4 weeks after the first application)
- 25% at GS37-39

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-strawed variety.

- In low plant populations, Moddus applied at GS29-30 will help root stimulation and promote tiller numbers
- As an insurance measure apply chlormequat 1.25 lt/ha + Moddus 0.2 lt/ha at T1

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 very different growing seasons.

Variety	Hagberg falling number (seconds)	Protein content (%)	Specific weight (kg/hl)
Gallant	294	12.1	77.7
Solstice	266	12.1	78.0
Cordiale	305	12.4	79.4
Hereward	241	13.0	79.4

Source: HGCA Recommended List 2010/11

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: HGCA Recommended List 2010/11 – the full database can be consulted at www.hgca.com
On the 1-9 scales high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

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SEEDS

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