

Grafton – The new standard for earliness

- **Very slow developer**
- **Nothing is stiffer**
- **Exceptional eyespot resistance**
- **Very early to harvest – spreads the workload**
- **Outstanding second wheat**
- **Ideally suited to heavy soils**
- **Superb physical grain characteristics**



Data from the HGCA Recommended List database, full data at www.hgca.com

KWS UK

With a strong focus and a growing variety portfolio of market leading oilseed rape, maize, sugar beet as well as cereals, KWS UK is one of the UK's leading plant breeding business.

Part of the KWS global plant breeding business KWS UK benefits from the combined resources and expertise of a company with a 150 year pedigree.

As a result of our strong focus on most major UK crops we are able to properly position our products across the rotation for maximum margin and market potential for farmers.

This year the company introduces its Product Development Focus – including a product development field at Thriplow – to provide a more comprehensive package of information and support that places our varieties into the supply chain to maximise grower returns.

Among the topics in focus this year will be nitrogen timings, optimum sowing dates, fertilizer rates and appropriate fungicide programmes. We will also focus on oilseed rape, maize and sugar beet.

If you would like to attend an open day at kws.pdf please visit www.kws-uk.com or www.kws-pdf.com for dates, or contact Elizabeth Hall on 01763 207300.

KWS UK LTD

56 Church Street
Thriplow
Nr Royston
Hertfordshire SG8 7RE
Tel: +44 (0) 1763 207300
Fax: +44 (0) 1763 207310
E.mail: info@kws-uk.com
www.kws-uk.com

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Grafton has been Specially Recommended for 2009/10 by HGCA because of its early maturity that helps spread the harvest workload.

Indeed, all the evidence suggests that Grafton looks set to redefine the rules for not only early harvesting, but also early drilling.

Quite simply, it has all the characteristics needed, in abundance, for those looking to make a very early start to their wheat drilling campaign.

Very slow to develop, short and stiff, with exceptional eyespot resistance and high specific weight, Grafton can be drilled at least as early as Claire.

By so doing, it will allow you to spread your workload with little risk of the variety being damaged by frost or becoming over-proud and unmanageable.

Then when it comes to maturity, Grafton is ahead of all other varieties and will be one of the first to harvest.

End use

A Hard Group 4 wheat, Grafton has the highest specific weight in its class with exceptional Hagbergs and proteins

It is a non 1B1R wheat and so will suit all feed uses.



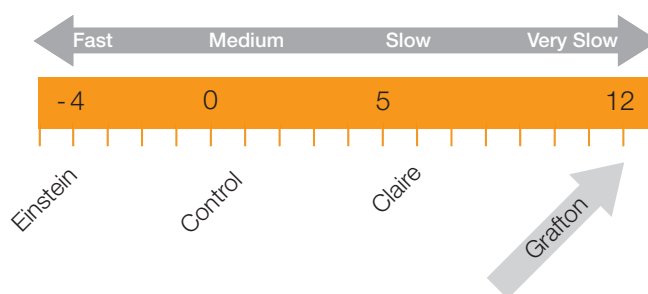
Early to drill and early to harvest

Grafton is a grafter. It is one of the last varieties to reach GS31; indeed initial HGCA trial data suggests it is a full week behind Claire.

However, not surprisingly with Cordiale in its parentage, Grafton picks up speed during later stages of growth and can be one of the earliest to harvest even from a mid-season drilling.

As a result, when drilled very early, Grafton won't produce lush growth going into winter and through into the early spring, ensuring that disease and lodging control won't be compromised.

Days to GS31



Nothing is stiffer than Grafton. With a perfect double-9 rating for straw strength – with and without a PGR – combined with a mean height of just 79cm, it is hard to lodge.

In addition, because Grafton has the Pch-1 Rendezvous gene for eyespot, its resistance rating is exceptional, further improving its standing ability.

Then with an inherently high specific weight there is a minimal risk of producing a poor sample.

Finally, at the end of the day, because of its short straw and early maturity Grafton can be harvested quickly and early, giving an ideal entry for OSR.

Ideal second wheat

Grafton's combination of excellent eyespot resistance (based on the Rendezvous resistance gene), *Septoria tritici* resistance and exceptional specific weight also make it an outstanding second wheat.

Variety	Treated 2nd wheat yield (%)	Eyespot resistance	<i>Septoria tritici</i>	Specific weight (kg/hl)
Grafton	107	7	6	78.1
JB-Diego	108	6	6	77.0
Duxford	108	6	5	75.7

Data source: HGCA Recommended List 2009/10 for Winter Wheat

Grafton also has good disease resistance ratings for yellow rust. However, when early drilling it is essential to keep on top of things at T0 and T1 timings and with low resistance to brown rust, this disease needs targeting.

Grafton	
Mildew	6
Yellow rust	8
Brown rust	3
<i>S. nodorum</i>	(6)
<i>S. tritici</i>	6
Eyespot	7
<i>Fusarium ear blight</i>	(4)

Data source: HGCA Recommended List 2009/10 for Winter Wheat

Notwithstanding this, Grafton has exceptional untreated trial yields – only one RL variety can beat it. In addition, UK Recommended List data shows that Grafton is a consistent performer across the UK, producing strong yields in every region. While setting new standards for early drilling, Grafton is also a variety that ticks many other boxes on-farm and is one to test on your most fertile of fields in the main wheat slot.