



# ARABLE GUIDE



**LG's Essential Guide to Oilseeds, Winter Wheat & Winter Barley.  
Hear about our varieties, direct from the Technical Team.**

Featured above: (L) Liam Wilkinson, Head of Technical (R) Ron Granger, Arable Technical Manager



# WELCOME TO THE LG ARABLE GUIDE

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## THE LG BRAND IS THE STRATEGIC GLOBAL BRAND OF LIMAGRAIN FIELD SEEDS.

LG has been serving farmers with premium seeds for over 50 years and is present across 6 continents and all major crops.

The fourth largest seed company worldwide, Limagrain is an agricultural cooperative owned by French farmers and an international seed group. As a creator and producer of plant varieties, Limagrain markets field seeds, amenity seeds, vegetable seeds and cereal ingredients and bakery products.

Everything that we do has farmers at the heart of it. We are a company created and owned by farmers and we exist to supply farmers with the best genetics so they can be as profitable as possible. Limagrain Field Seeds is unique amongst global seed companies, to have this model of farmer ownership and leadership, and it is something for which we are incredibly proud.

Limagrain Field Seeds UK has dedicated breeding programmes in Lincolnshire and Suffolk, developing new varieties of barley, wheat, oilseeds, pulses and fodder. We also market extensive portfolios of maize, pulses, sugar beet, agricultural grasses, gamecover and environmental crops.

This brochure covers the key agronomic attributes of individual varieties for securing yield potential. The data is taken from the AHDB RL with additional Limagrain data sets, offering you added insight when it comes to selecting the best variety for your farming system.

We're always here to help. Please contact the LG Marketing or Technical Team for more information or questions.

*The LG Team*



“ LG Defiance holds up well, is clean and fills the shed. ”  
Lisa Bush, Lincolnshire

## DEFY THE ODDS DELIVER THE YIELD



### LG DEFIANCE WINTER WHEAT

Consistency across regions and seasons  
Joint highest yielding second wheat  
Excellent yellow rust and OWBM resistance



lgseeds.co.uk/lg-defiance



## PROVEN ON FARM

“ LG Avenger's spring growth has been markedly quicker than some other varieties - it has all traits we would consider essential when selecting a variety, as well as a high oil content. ”

Ben Jackson, Lincolnshire



### LG AVENGER FULLY LOADED HYBRID

The world's highest yielding oilseed rape variety



lgseeds.co.uk/lg-avenger



## WE WANT YOU AS A SEED GROWER

CEREALS AND PULSES

Find out how becoming an LG Contract Seed Grower can benefit you.  
Register your interest here





# OILSEED RAPE GAINING MOMENTUM



FLORENTINA PETRESCU  
Oilseed Rape  
Product Manager,  
Limagrain UK

There is now more positivity than ever for oilseed rape as a crop around the UK, as 2025 has been a stronger year for it.

Harvest results indicate average yields have increased to 3.76 t/ha

for 2025 harvest - a significant increase on the 2.8 t/ha recorded in 2024.

The recovery comes along with new confidence in the crop and improved establishment across much of the country, with 2026 crops looking very promising.

Market conditions have also provided a welcome boost.

Commodity prices were on average £20-£40/tonne ahead of last year, and are holding strong currently, helping farmers restore margins and strengthen the crop's position in rotations.

Area figures confirm this trend, with an average of 14% increase on last year's grown area.

“ LG Adapt is making headlines of its own, with it leading the field for oil content in the UK in 2025, having the highest oil yield out of over 35 varieties tested - giving farmers an advantage for higher oil bonuses.”

Seed market dynamics also underline the crop's renewed strength. Despite heavy competition, LG varieties have maintained good market share, keeping LG firmly in the number 1 position for this crop group. This has been boosted by the introduction of **LG Adapt** - the highest yielding variety with pod shatter resistance, and the only cabbage stem flea beetle resilient variety in the market - **LG Avenger**.

2025 harvest has also made a first for LG oilseed rape varieties, as Lincolnshire farmer, Tim Lamyman, has broken the world record for oilseed rape with **LG Avenger**, achieving a massive 7.52 t/ha crop.

**LG Adapt** is making headlines of its own, with it leading the field for oil content in the UK in 2025, having the highest oil yield out of over 35 varieties tested - giving farmers an advantage for higher oil bonuses.

Varieties like **LG Armada**, **LG Academic** and **LG Adeline**, are holding strong, with good performance on the AHDB 26/27 RL, showing consistency of the varieties across regions and seasons. This year's list also marks the introduction of **LG Calvin CL** - the highest yielding Clearfield® variety on the RL.

Overall, the data suggests that oilseed rape is regaining ground. With improved genetics, stronger industry collaboration and a more favourable market, the crop is once again demonstrating its value as a resilient and profitable break crop for UK farmers.



# DON'T THINK OF OILSEED RAPE AS AN EARLY-DRILLED ONLY OPTION



RYAN KEMP  
Senior Trials Officer,  
Limagrain UK

Oilseed rape still has an important place in the rotation, but success comes down to how it is managed across the season, not just how early it is drilled.

There can be a tendency to view OSR as a crop that must be drilled

early to succeed, but that is not always the case. Later drilling can be a viable, and in some situations, more resilient option, provided crops are established well and managed accordingly.

In our trials on the Lincolnshire Wolds, we've drilled oilseed rape right up to the first week in October in some years, and still produced decent crops.

The UK generally doesn't really see extremely cold winters anymore, so, providing there is still sufficient warmth and moisture in the soil, allowing you to get crops to the 6-9 true leaf stage before winter, they should survive pretty well.

Later drilling can also help crops avoid peak cabbage stem flea beetle pressure, reducing adult feeding damage and lowering larval pressure in the spring. Smaller, less forward crops are also typically less prone to diseases, such as light leaf spot, than thicker, early-drilled canopies, however, monitoring and treating phoma should be a priority.

That said, establishment is critical, particularly when drilling later into the autumn. Ryan highlights five priorities for success:

### 1. Select the right variety

All LG hybrid varieties have strong autumn vigour and are well suited to later drilling.

### 2. Wait for moisture

Adequate soil moisture at drilling, and in the 10 days after, is essential for rapid germination and establishment.

### 3. Establish crops well

Maximise seed to soil contact and conserve moisture through good consolidation. Remove compaction where needed but avoid overworking soils. Strip tillage systems that disturb only a narrow band, can work very well.

### 4. Use placement fertiliser

Applying phosphate and a small amount of nitrogen with the seed, helps drive early root development and crop growth.

### 5. Control weeds early

Apply pre-emergence herbicides as soon as possible after drilling, to minimise early competition.





# LG ADAPT

BREEDERS REFERENCE: LE21/447 TRIAL STATUS: RECOMMENDED UK

FULLY LOADED HYBRID

Consistently high yielding variety with pod shatter resistance, well adapted for British farms thanks to our UK breeding programme



## KEY STRENGTHS

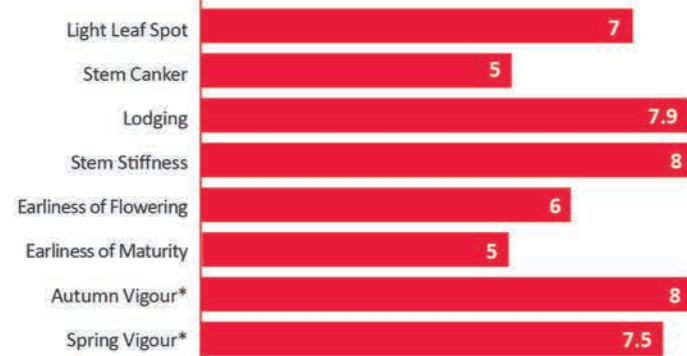
High oil content with pod shatter

Good resistance to stem based diseases, in particular LLS

Consistent performance across all regions of the UK

	LG ADAPT	Maverick	KWS Domingos
<b>GROSS OUTPUT</b>			
UK	106	104	105
East/West	106	105	105
North	105	99	(105)
Lodging Resistance	(7.9)	(8)	(7.9)
Stem Stiffness	8	8	8
Plant Height (cm)	162	160	165
Earliness of Flowering	6	7	6
Earliness of Maturity	5	5	5
Pod Shatter Resistance	R	-	R
Oil Content (@ 9% moisture)	47	46.5	46.1

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.



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# LG AVENGER

BREEDERS REFERENCE: LE21/446 TRIAL STATUS: RECOMMENDED NORTH

FULLY LOADED HYBRID

The world's highest yielding oilseed rape variety



## KEY STRENGTHS

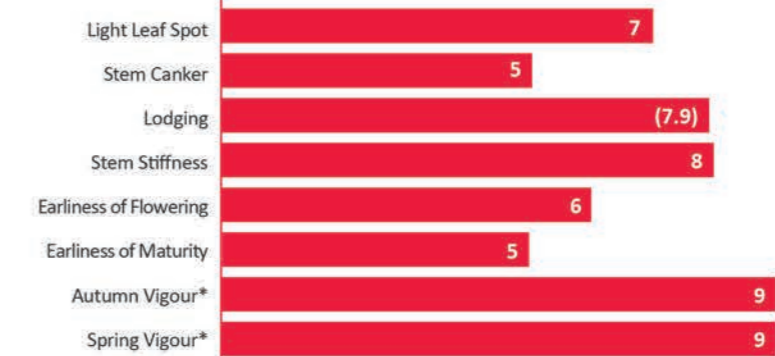
Flea beetle resilience characteristics

Exceptional autumn and spring vigour

Fully loaded with traits and high oil content

	LG AVENGER	Murray	Dolphin
<b>GROSS OUTPUT</b>			
UK	102	101	100
East/West	102	101	101
North	103	99	97
Lodging Resistance	(7.9)	(8)	(8)
Stem Stiffness	8	8	9
Plant Height (cm)	166	160	152
Earliness of Flowering	6	7	7
Earliness of Maturity	5	4	4
Pod Shatter Resistance	R	-	-
Oil Content (@ 9% moisture)	46.5	45.2	46.9

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.





# LG ARMADA

BREEDERS REFERENCE: LE20/435 TRIAL STATUS: RECOMMENDED UK

The full agronomic package with seventh generation genetics



FULLY LOADED HYBRID

## KEY STRENGTHS

Robust disease resistance package

Consistent performance across seasons, both in trial and on farm

Very strong performance in untreated trials

	LG ARMADA	Turing	Hinsta
<b>GROSS OUTPUT</b>			
UK	103	103	102
East/West	103	103	103
North	103	102	(100)
Lodging Resistance	8	8	(8)
Stem Stiffness	8	8	8
Plant Height (cm)	161	152	160
Earliness of Flowering	5	8	6
Earliness of Maturity	5	5	5
Pod Shatter Resistance	R	-	R
Oil Content (@ 9% moisture)	46.1	45	46.6

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.



# LG ACADEMIC

BREEDERS REFERENCE: LE20/433 TRIAL STATUS: RECOMMENDED UK

High yielding variety with a full complement of agronomic traits



FULLY LOADED HYBRID

## KEY STRENGTHS

Strong on-farm performance across a number of seasons

Robust disease package, reflected in a high untreated yield

Fully loaded with traits developed to minimise risk on-farm

	LG ACADEMIC	Turing	Hinsta
<b>GROSS OUTPUT</b>			
UK	104	103	102
East/West	104	103	103
North	103	102	(100)
Lodging Resistance	7.9	8	(8)
Stem Stiffness	8	8	8
Plant Height (cm)	160	152	160
Earliness of Flowering	7	8	6
Earliness of Maturity	5	5	5
Pod Shatter Resistance	R	-	R
Oil Content (@ 9% moisture)	45.8	45	46.6

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.



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# LG ADELINE

BREEDERS REFERENCE: LE20/434 TRIAL STATUS: RECOMMENDED NORTH

High yielding fully loaded hybrid, with strong northern performance



FULLY LOADED HYBRID

## KEY STRENGTHS

- Strong vigour with good pre-winter biomass accumulation
- Strong standing with good LLS resistance
- Consistent across regions, with good untreated performance

	LG ADELINE	Murray	Dolphin
<b>GROSS OUTPUT</b>			
UK	102	101	100
East/West	102	101	101
North	103	99	97
Lodging Resistance	7.9	(8)	(8)
Stem Stiffness	8	8	9
Plant Height (cm)	159	160	152
Earliness of Flowering	7	7	7
Earliness of Maturity	5	4	4
Pod Shatter Resistance	R	-	-
Oil Content (@ 9% moisture)	45.5	45.2	46.9

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.



# MAGELAN

BREEDERS REFERENCE: LE20/439 TRIAL STATUS: RECOMMENDED E/W

High consistent yields, combined with all important pod shatter trait



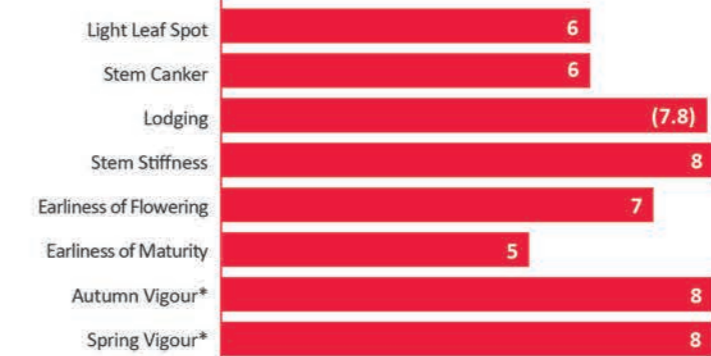
FULLY LOADED HYBRID

## KEY STRENGTHS

- High yielding, fully loaded hybrid
- Strong standing, with good stem health
- Very high oil content

	MAGELAN	Murray	Dolphin
<b>GROSS OUTPUT</b>			
UK	102	101	100
East/West	102	101	101
North	(100)	99	97
Lodging Resistance	(7.8)	(8)	(8)
Stem Stiffness	8	8	9
Plant Height (cm)	160	160	152
Earliness of Flowering	7	7	7
Earliness of Maturity	5	4	4
Pod Shatter Resistance	R	-	-
Oil Content (@ 9% moisture)	46.7	45.2	46.9

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.





# LG CALVIN CL

BREEDERS REFERENCE: LE21/363 TRIAL STATUS: RECOMMENDED UK



The highest yielding Clearfield® tolerant variety, fully loaded with traits



FULLY LOADED HYBRID

## KEY STRENGTHS

Highest yielding Clearfield® variety

A shorter stiff-stemmed type

The best LLS resistance in the Clearfield® sector

	LG CALVIN CL	Matrix CL	Beatrix CL
<b>GROSS OUTPUT UK</b>	<b>94</b>	<b>92</b>	<b>93</b>
East/West	94	92	93
North	93	92	89
Lodging Resistance	7.9	7.8	(7.9)
Stem Stiffness	8	7	(8)
Plant Height (cm)	152	157	155
Earliness of Flowering	7	7	7
Earliness of Maturity	6	6	6
Pod Shatter Resistance	R	R	R
Oil Content (@ 9% moisture)	44.6	46.2	46.4

## AGRONOMIC PROFILE



Data from the AHDB Oilseed Rape Recommended List 2026/2027. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective.



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# LG ANARION

BREEDERS REFERENCE: LE17/340  
TRIAL STATUS: NATIONAL LISTED



Fully loaded clubroot tolerant variety, high yielding with rapid autumn and very good winter hardiness



## KEY STRENGTHS

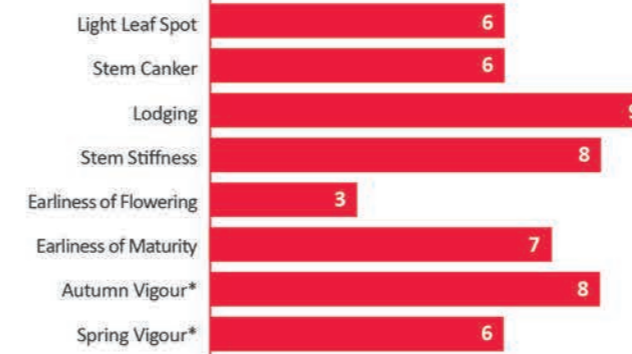
Very strong autumn vigour and good winter hardiness

Strong performance against mainstream varieties in both LG and independent trials

Fully loaded with POSH and TuYV resistance

	LG ANARION	Crome	Aurelia
<b>GROSS OUTPUT LG Internal Trials</b> (3 trials over 3 years)	<b>96</b>	<b>92</b>	<b>97</b>

## AGRONOMIC PROFILE



Data from Internal Trials. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Agronomic features marked with \* are breeders perspective.



# LG SCORPION

BREEDERS REFERENCE: LE18/359  
TRIAL STATUS: NATIONAL LISTED



Fully loaded clubroot tolerant variety, high yielding with rapid spring and autumn growth



## KEY STRENGTHS

Very strong spring and autumn vigour

Clubroot resistance but should still be included in a wider IPM approach, to manage the disease

Fully loaded with POSH and TuYV resistance

	LG SCORPION	Crome	Aurelia
<b>GROSS OUTPUT LG Internal Trials</b> (3 trials over 3 years)	<b>98.5</b>	<b>92</b>	<b>97</b>

## AGRONOMIC PROFILE



Data from Internal Trials. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). ( ) = limited data. Agronomic features marked with \* are breeders perspective.





# WINTER OILSEED RAPE VARIETY SELECTION GUIDE



	LG ADAPT	LG ACADEMIC	LG ARMADA	LG AVENGER	LG ADELINE	MAGELAN	LG CALVIN CL
Data Source	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27
Variety Type	Restored Hybrid	Restored Hybrid	Restored Hybrid	Restored Hybrid	Restored Hybrid	Restored Hybrid	Restored Hybrid
Status	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Scope of Recommendation	UK	UK	UK	North	North	East/West	UK
Gross Output - UK (% Controls)	106	104	103	102	102	102	94
Gross Output - East/West Region (% Controls)	106	104	103	102	102	102	94
Gross Output - North Region (% Controls)	105	103	103	103	103	(100)	93
Spring Vigour *	7.5	8.5	8.5	9	8.5	8	7
Autumn Vigour *	8	8	7.5	9	8	8	8
Resistance to Lodging (1-9)	(7.9)	7.9	8	(7.9)	7.9	(7.8)	7.9
Stem Stiffness (1-9)	8	8	8	8	8	8	8
Shortness of Stem (1-9)	5	6	5	5	6	6	6
Plant Height (cm)	162	160	161	166	159	160	152
Earliness of Flowering (1-9)	6	7	5	6	7	7	7
Earliness of Maturity (1-9)	5	5	5	5	5	5	6
Oil Content, Fungicide Treated (%)	47%	45.8%	46.1%	46.5%	45.5%	46.7%	44.6%
Glucosinolate (µmoles/g of Seed)	12.7	14.1	12.6	10.5	14.7	14.8	14.1
Light Leaf Spot (1-9)	7	7	7	7	7	6	6
Stem Canker (1-9)	5	6	5	5	5	6	5
Pod Shatter Resistance	Y	Y	Y	Y	Y	Y	Y
TuYV	Y	Y	Y	Y	Y	Y	Y
N-Flex	-	Y	Y	-	-	-	-
Stem Health	Y	Y	Y	Y	Y	Y	-
ScleroFLEX	-	-	Y	Y	-	-	-
Clearfield®	-	-	-	-	-	-	Y
Clubroot	-	-	-	-	-	-	-

GROSS OUTPUT

VIGOUR

AGRONOMIC CHARACTERS

SEED QUALITY

DISEASE RESISTANCE

SPECIAL TRAITS

All data from the AHDB Winter Oilseed Rape Recommended Lists 2026/27, or unless stated otherwise within the Data Source row. \*\*NIAB Trials/LG Trials

R = Resistant. ( ) = limited data. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics. Agronomic features marked with \* are breeders perspective. Y = variety possesses trait





# VARIETY SUITABILITY & PLACEMENT ON FARM



RON GRANGER  
Arable Technical Manager,  
Limagrain UK

Winter wheat varieties should be considered as 'individuals', as they all offer unique agronomic characteristics for targeted positioning, within your farm.

If you are considering a Limagrain variety, we advise you to look into the agronomic detail of where it will fit within your farm, and more importantly, if you feel further information is required, do not hesitate to pick up the phone and ask the breeder direct - after all, we know our varieties better than most, as we have trialed them for several years before they are added to the RL. We like to think we have a pretty good reputation for being upfront and technical with our variety portfolio.



Limagrain ensure that their varieties are suitable for the differing requirements on-farm, by carrying out internal/ external agronomy trials, in addition to the AHDB Recommended List.

The AHDB RL provides growers with a basic guide on how a variety will perform within strict agronomic protocols. Alongside this, Limagrain are able to add more technical information, to ensure correct variety placement so that agronomic input can be more targeted on-farm. This will also highlight the different opportunities for the variety to perform to its full potential thereby reducing risk.

## LG VARIETIES OFFER A WIDE SOWING WINDOW

	SEPTEMBER				OCTOBER				NOVEMBER				LATEST SOWING DATE
	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4	
LG TYPHOON	[Sowing window shaded]												End Jan
LG SKYSCRAPER	[Sowing window shaded]												Mid Feb
LG REDWALD	[Sowing window shaded]												End Jan
LG REBELLION	[Sowing window shaded]												Mid Feb
LG BEOWULF	[Sowing window shaded]												End Jan
LG CHALLENGER	[Sowing window shaded]												End Jan
LG DEFIANCE	[Sowing window shaded]												End Jan

The sowing window chart indicates the relevant placement of individual Limagrain varieties for on-farm sowing dates, based around agronomic suitability and performance.



# 6 TIPS FOR BARLEY GRAIN & STRAW YIELD



LIAM WILKINSON  
Head of Technical,  
Limagrain UK

### 1. Start with the right variety

Tiller number is set by genetics, so variety choice defines your yield

potential. High tillering varieties, such as **LG Capitol** or **LG Caravelle**, will build biomass and ear number early - the key drivers of yield. Just as importantly, they give you a buffer if tillers are lost due to over winter or early spring stress, so that you've still got the numbers to maintain output.

### 2. Prioritise drilling conditions over date

The sowing window might be mid-September through to late October, but conditions come first every time. Winter barley needs to get away quickly to maximise autumn tillering, so it has to go into a warm, moist, well-structured seedbed. If establishment is slow or compromised, you're immediately on the back foot, and it's very difficult to make up for it. This can also include using the correct seed treatment to aid establishment.

### 3. Optimise seed rate

Work back from a target of 800/1000 ears per meter, adjusting for soil type, drilling date and seedbed conditions. In good late September/ early October slots, you're typically at 275-320 seeds/m<sup>2</sup>. As you move into mid-October and beyond, that needs to lift to 320-375 seeds/m<sup>2</sup>, to account for reduced autumn growth and

less forgiving conditions. But bear in mind that these dates are a guide for Lincolnshire, so adjust accordingly to your location.

### 4. Use PGRs to support rooting and structure

PGRs aren't just about shortening straw. Used properly, they help build a more robust root system and improve crop structure. Early trinexapac-ethyl applications can improve anchorage and nutrient uptake, which ultimately supports tiller survival. As always, timing is everything.

### 5. Get nutrition right

Producing tillers is one thing, keeping them is another. Early spring nutrition is key, with both macro and micronutrients driving rooting, canopy development and overall plant health. If the crop is short of nutrition at this stage, you'll start losing tillers and yield potential very quickly - grain sites are set earlier in the season for barley than wheat, so barley should be priority in the spring.

### 6. Keep weeds out of the way

Weeds take out tillers, and early competition will cap crop potential, particularly where establishment isn't perfect. Control needs to be effective but not at the expense of the crop, so IPM first and use appropriate tank mixes. In black-grass situations, strong tillering varieties will compete well, and can close the gap on hybrids.



# LG DEFIANCE

BREEDERS REFERENCE: LGWU206 TRIAL STATUS: RECOMMENDED UK PARENTAGE: KWS EXTASE X GLEAM

WINTER WHEAT

High yielding hard feed with a comprehensive disease resistance package



## KEY STRENGTHS

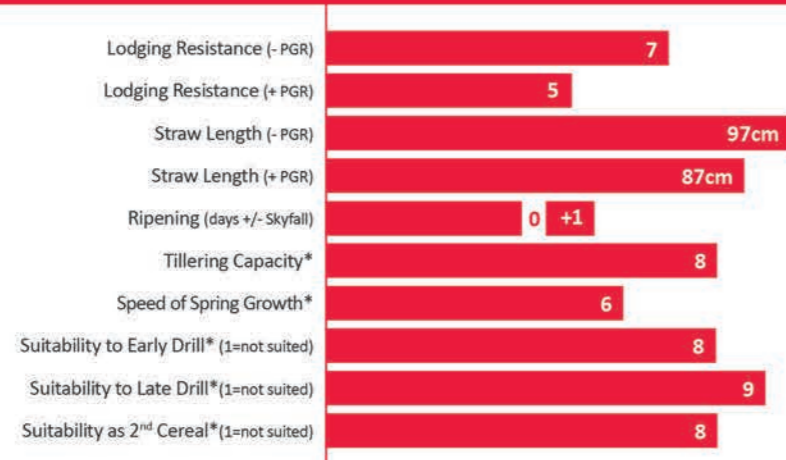
Well rounded disease resistance profile

One of the highest yielding 2<sup>nd</sup> wheats in trial

Ideally suited to the main – late drilling window

Taller straw which responds well to a split PGR programme

## AGRONOMIC PROFILE



	LG DEFIANCE	KWS Scope	Champion	SY Insitor
<b>YIELD</b> (% of treated control)				
UK	109	106	106	104
East	108	105	105	104
West	110	107	107	103
North	(109)	105	105	107
Untreated (% of treated control)	95	84	82	75

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance). () = limited data. Agronomic features marked with \* are breeders perspective.



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# LG CHALLENGER

BREEDERS REFERENCE: LGWU207 TRIAL STATUS: RECOMMENDED UK PARENTAGE: (RGT GRAVITY X SY INSITOR) X LG SKYSCRAPER

WINTER WHEAT

Very high yielding across all regions



## KEY STRENGTHS

Very good specific weight and HFN

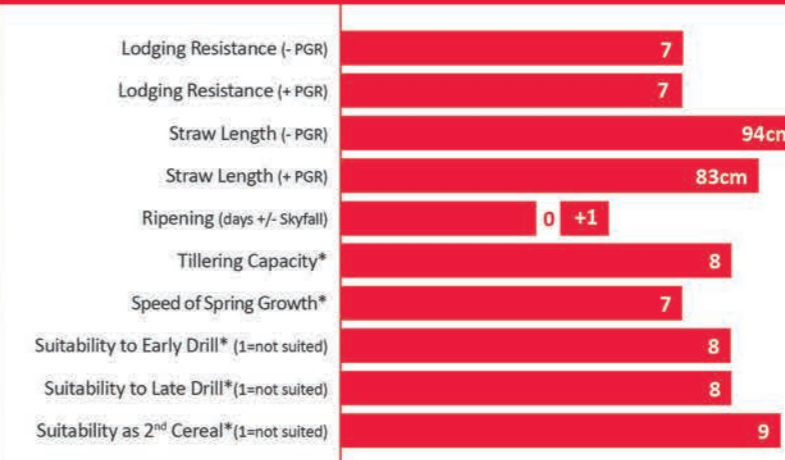
One of the highest yielding untreated yields on the RL

High consistent yields across all regions

Well rounded agronomic package

Consistent and high performing, joint highest yielding 2<sup>nd</sup> wheat in trial

## AGRONOMIC PROFILE



	LG CHALLENGER	KWS Scope	Champion	SY Insitor
<b>YIELD</b> (% of treated control)				
UK	107	106	106	104
East	107	105	105	104
West	107	107	107	103
North	(109)	105	105	107
Untreated (% of treated control)	93	84	82	75

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance). () = limited data. Agronomic features marked with \* are breeders perspective.





# LG BEOWULF

BREEDERS REFERENCE: LGWU182 TRIAL STATUS: RECOMMENDED UK PARENTAGE: COSTELLO X GLEAM

High yielding feed variety, with strong on-farm performance



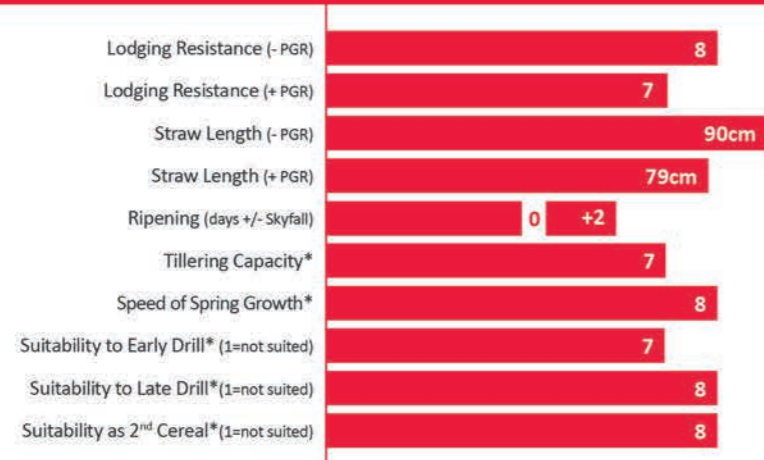
WINTER WHEAT



## KEY STRENGTHS

- Consistent yield across regions, seasons and rotational positioning
- Very good disease resistance
- Very stiff strawed variety
- High Specific Weight
- OWBM resistance

## AGRONOMIC PROFILE



	LG BEOWULF	Champion	KWS Dawsum	Gleam
<b>YIELD</b> (% of treated control)				
UK	104	106	102	102
East	104	105	102	102
West	103	107	101	102
North	107	105	105	103
Untreated (% of treated control)	83	82	86	78

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance). () = limited data. Agronomic features marked with \* are breeders perspective.



# LG TYPHOON

BREEDERS REFERENCE: LGWU165 TRIAL STATUS: RECOMMENDED UK PARENTAGE: GARRUS X LGW88

The recognised early drilling feed variety with a very good disease resistance profile and OWMB resistance



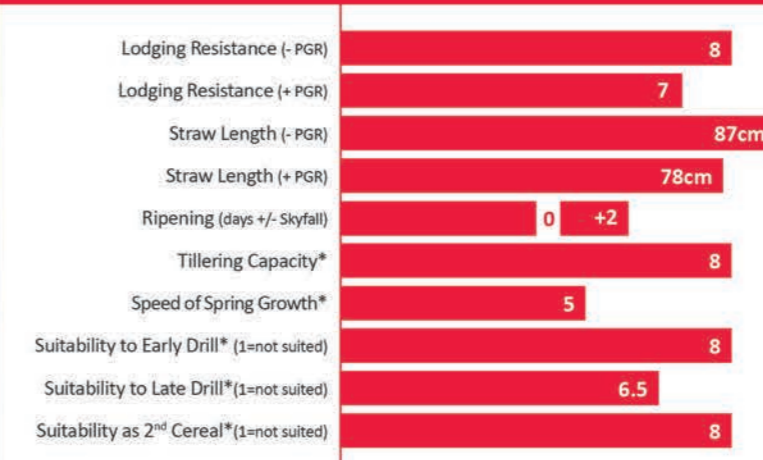
WINTER WHEAT



## KEY STRENGTHS

- Good agronomic profile for on-farm security and flexibility
- Moderately tall strawed variety, with good straw strength
- Excellent Septoria resistance
- High yield potential, with good stable consistency across regions
- Agronomic characteristics for the regen/direct drilling/wider row situation

## AGRONOMIC PROFILE



	LG BEOWULF	Graham	KWS Dawsum	Gleam
<b>YIELD</b> (% of treated control)				
UK	100	102	102	102
East	100	101	102	102
West	98	103	101	102
North	102	104	105	103
Untreated (% of treated control)	83	86	86	78

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance). () = limited data. Agronomic features marked with \* are breeders perspective.





# LG REDWALD

BREEDERS REFERENCE: LGWU172 TRIAL STATUS: RECOMMENDED E/W PARENTAGE: LG SUNDANCE X LG GENERATION

One of the highest yielding Group 4 soft wheats with distilling capability



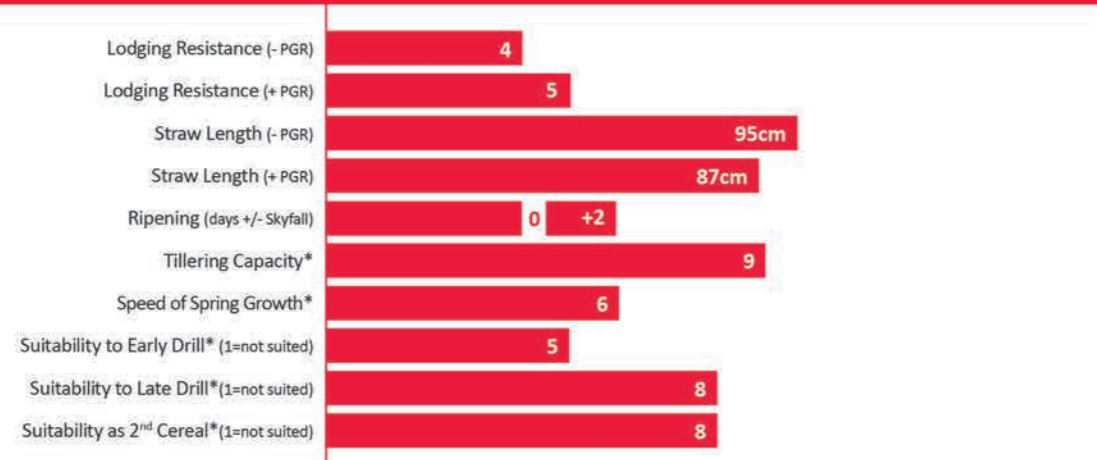
WINTER WHEAT



## KEY STRENGTHS

- Very high stable yield performance
- Good disease package
- Suited to the later drilling date - excellent 2<sup>nd</sup> wheat performance
- Variety characteristics suitable for the direct drilling/wider row situation
- Competitive in a blackgrass situation
- Requires good agronomic management

## AGRONOMIC PROFILE



	LG REDWALD	KWS Zealum	RGT Hexton	LG Skyscraper*
<b>YIELD</b> (% of treated control)				
UK	106	102	103	101
East	105	102	103	101
West	107	101	102	99
North	108	103	109	101
Untreated (% of treated control)	89	81	82	81

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree, (e.g. high resistance). ( ) = limited data. Agronomic features marked with \* are breeders perspective. Varieties marked with \* were grown in RL trials in 2025 but not added to the AHDB Recommended List.



# LG CARAVELLE

BREEDERS REFERENCE: LGBU18-6531 TRIAL STATUS: RECOMMENDED UK PARENTAGE: LGBU11-5495-B X KWS MOSELLE

High yielding 2-row winter barley throughout the UK



WINTER BARLEY

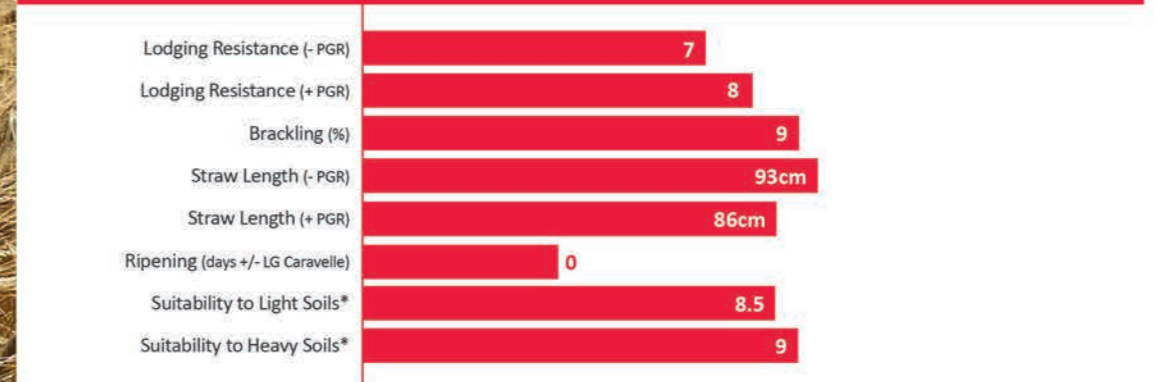


"A consistently high yielding variety with all the desirable agronomic characteristics associated with a great 2-row feed variety." Ron Granger

## KEY STRENGTHS

- Very high treated yield potential across all regions of the UK
- High untreated yield
- Robust disease resistance package
- Very high Specific Weight and good screenings
- External trials show good competition in a blackgrass situation

## AGRONOMIC PROFILE



	LG CARAVELLE	KWS Tardis	SY Kingsbarn*
<b>YIELD</b> (% of treated control)			
UK	105	103	107
East	107	103	106
West	105	101	107
North	103	103	107
Untreated (% of treated control)	90	84	80

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree, (e.g. high resistance). ( ) = limited data. Agronomic features marked with \* are breeders perspective. Varieties marked with \* are no longer under test in RL trials.



@LGSeedsUK  
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WINTER BARLEY

The highest yielding 2-row on the Recommended List

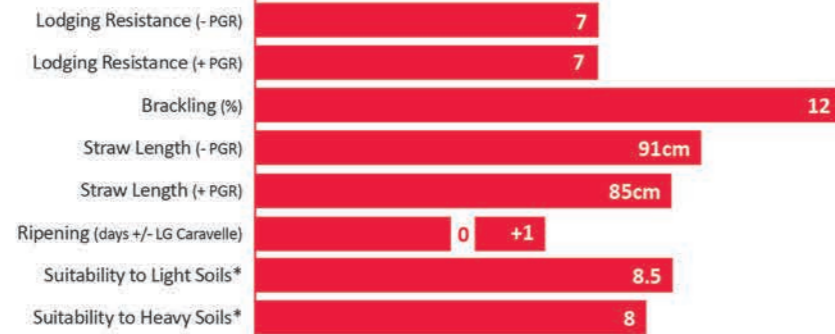


"One of the highest yielding varieties through contrasting seasons, producing a high thousand grain weight - a feature of it's yield resilience." Ron Granger

## KEY STRENGTHS

- Consistency of yield performance across testing seasons
- .....
- Eastern region yield comparable with hybrid varieties
- .....
- Good disease resistance profile
- .....
- Good Specific Weight and good screenings
- .....
- Similar maturity as KWS Tardis

## AGRONOMIC PROFILE



	LG CAPITOL	KWS Tardis	SY Kingsbarn*
<b>YIELD</b> (% of treated control)			
UK	106	103	107
East	106	103	106
West	105	101	107
North	105	103	107
Untreated (% of treated control)	89	84	80

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance). ( ) = limited data. Agronomic features marked with \* are breeders perspective. Varieties marked with \* are no longer under test in RL trials.



WINTER BARLEY

Exciting new BYDV tolerant variety with yields comparable with market leading varieties

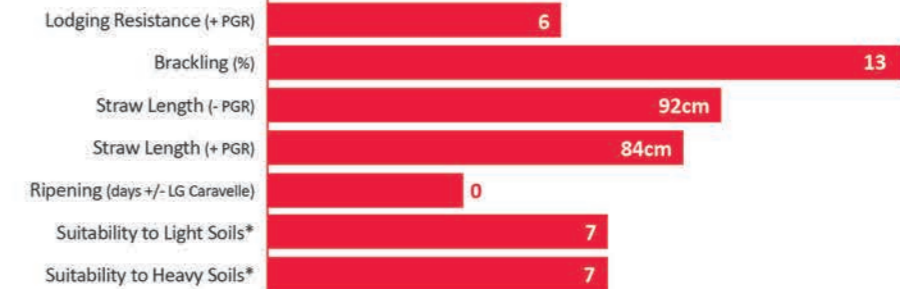


"BYDV tolerant variety, with the desirable attributes of a conventional 2-row." Ron Granger

## KEY STRENGTHS

- Good specific weight
- .....
- Good untreated yield
- .....
- Good disease resistance

## AGRONOMIC PROFILE



	LG CATAPULT	KWS Tardis	SY Kingsbarn*
<b>YIELD</b> (% of treated control)			
UK	104	103	107
East	106	103	106
West	(104)	101	107
North	(101)	103	107
Untreated (% of treated control)	90	84	80

Data used from AHDB 2026/2027 Recommended List. See <https://ahdb.org.uk/rl> for full dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance). ( ) = limited data. Agronomic features marked with \* are breeders perspective. Varieties marked with \* are no longer under test in RL trials.





# LG Winter Wheat Guide

## YIELD

	GROUP 1	GROUP 2	GROUP 3	GROUP 4						
	CRUSOE WINTER WHEAT	LG SHERGAR WINTER WHEAT	LG LOTUS WINTER WHEAT	LG REBELLION WINTER WHEAT	LG SKYSCRAPER WINTER WHEAT	LG REDWALD WINTER WHEAT	LG TYPHOON WINTER WHEAT	LG BEOWULF WINTER WHEAT	LG CHALLENGER WINTER WHEAT	LG DEFIANCE WINTER WHEAT
Data Source	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL TRIALS 2025	VW TRIALS HARVEST 2024	AHDB RL TRIALS 2025	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27	AHDB RL 2026/27
AHDB Status	Recommended	Recommended	National Listed	National Listed	National Listed	Recommended	Recommended	Recommended	Recommended	Recommended
UK Treated Yield	95	102	103	106	101	106	100	104	107	109
East Treated Yield	94	101	102	106	101	105	100	104	107	108
West Treated Yield	95	102	104	107	99	107	98	103	107	110
North Treated Yield	94	104	(101)	(103)	101	108	102	107	(109)	(109)
UK Untreated Yield	72	86	92	93	81	89	83	83	93	95
Suitability as a 1 <sup>st</sup> Cereal	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Suitability as a 2 <sup>nd</sup> Cereal	✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓

## MARKET OPTIONS

YIELD COMMENT	Consistent yields throughout its 14 years of recommendation	Strong yields particularly in the North	Highest untreated yield in the Group 3 sector	Very high treated & untreated yield potential with consistency across regions	Consistent yields proven in trial - the reason for its longevity on farm	One of the highest yielding soft Group 4s for the last few years across all regions	Consistent yields, with farm performance outclassing yield it shows in trial	High yielding Group 4 with consistent farm performance	Very consistent high yields across all regions, with a strong untreated yield	New high yielding Group 4, with consistency across regions and the highest untreated yield
UK Bread Making	Y	Y	-	-	-	-	-	-	-	-
UK Biscuit/Cake Making	-	-	Y	-	-	-	-	-	-	-
UK Distilling	-	-	H	-	M	M	-	-	-	-
ukp Bread Wheat for Export	Y	-	-	-	-	-	-	-	-	-
uks Soft Wheat for Export	-	-	NEU	-	-	-	-	-	-	-
Endosperm Texture	Hard	Hard	Soft	Hard	Soft	Soft	Hard	Hard	Hard	Hard
Protein Content (%)	13.3	12.1	10.6	11.2	10.9	10.6	10.8	11	10.2	10.5
Hagberg Falling Number (secs)	279	298	246	272	218	171	175	263	295	260
Specific Weight (kg/hl)	78.4	80	76.8	78.6	77	75.5	77.3	78.3	78.6	77
Resistance to Sprouting	7	(6)	(5)	-	6	(5)	6	(6)	(5)	(7)

## GRAIN QUALITY

MARKET & QUALITY COMMENTS	Genetically high protein content, making it a preferred and trusted variety with growers and millers	Variety with bread making potential, very good grain quality and an exceptional specific weight	Meets the requirements for the G3 biscuit market - rated high for its distilling	A hard Group 4 with excellent grain quality and ukp export potential	Soft feed which regularly finds homes into distilling and premium markets	Soft feed which meets the requirements for the distilling market	Good grain quality, suitable for feed markets	Hard Group 4 with good grain quality for the feed market	Hard Group 4 feed, with very good HFN and specific weight	A high yielding feed with sound grain quality
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## AGRONOMIC CHARACTERS

Optimum Sowing Date	Mid	Early/Mid	Early/Mid	Mid/Late	Mid/Late	Mid/Late	Early/Mid	Mid/Late	Early/Mid	Mid/Late
Latest Safe Sowing Date	End Jan	(Mid Feb)	Mid Jan	End Jan	End Jan	Mid Feb	End Jan	Mid Feb	End Jan	End Jan
Speed of Spring Apical Development	Medium/Fast	Medium	Medium	Medium	Medium/Fast	Medium/Slow	Slow	Medium	Medium	Medium
Resistance to Lodging (- PGR)	8	8	7	6	6	4	8	8	7	7
Resistance to Lodging (+ PGR)	8	8	6	7	6	5	7	7	7	5
Height in cm (- PGR)	84.3	82.3	86.7	88	93	95	87	90	94	97
Height in cm (+ PGR)	75.4	74.3	78.9	79	81.6	87	78	79	83	87
Ripening (Days +/- Skyfall)	+1	+1	+3	-1	0	+2	+2	+2	+1	+1
Mildew	6	(7)	5	(6)	7	(5)	(6)	(5)	7	7
Yellow Rust	7	6	7	7	7	6	5	4	7	8
Brown Rust	3	6	7	6	5	7	6	5	5	5
Septoria tritici	6.5	6.4	7.1	6.6	5.1	6.1	7	6.4	6.1	6.3
Eyespot	5	5	(3)	6@	5	4	4	6	(5)	(5)
Fusarium Ear Blight	6	6	(6)	5	6	7	6	6	(7)	(7)
Orange Wheat Blossom Midge	-	-	R	-	R	R	R	R	R	R

## DISEASE RESISTANCE

AGRONOMY & DISEASE COMMENT	Short, stiff strawed variety, with robust YR and ST which has held up in testing years. Changes in YR races means monitoring is required	A variety for consideration on heavy fertile sites. A short stiff strawed variety with a good all round disease resistance	One of the cleanest to come through trials in recent years. The only Group 3 with a 7 rating for Septoria	Excellent agronomic package, combining a good disease resistance, including Pch1, with very early maturity	Taller variety with quicker speed of development in the spring - ideal for later sowing, 2 <sup>nd</sup> wheats or blackgrass situations	Taller large biomass variety that will require a targeted PGR programme. A variety to consider as 2 <sup>nd</sup> wheat, later drilling or in regen/direct drilling	Unique variety which thrives in the early sowing position, due to its slower speed of development. Adapts well to direct drilling and wider row width, due to tillering capacity	Good agronomics including sound Septoria resistance and stiff straw. It has excellent grain and OWM resistance. YR will require monitoring in high pressure areas	Very good agronomics and consistent performance across very differing seasons in terms of disease pressure. Suits a wide sowing window and adaptable to rotational positioning	Very strong disease resistance profile resulting in the highest untreated yield on the RL. Suited to a mid to late drilling window and responds well to a split PGR programme
Pedigree	Cordiale x Gulliver	(LG Cassidy x KWS Zyatt) x KWS Trinity	LG Sundance x LG Stook	KWS Zyatt x KWS Extase	(Cassius x NAWW29) x KWS Santiago	LG Sundance x LG Generation	Garrus x LGW88	Gleam x Costello	(RGT Gravity x SY Insitor) x LG Skyscraper	KWS Extase x Gleam

## PEDIGREE



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# LESS RISK MORE REWARD

“ A quality variety -  
LG Challenger delivered  
great yield & agronomics in  
a difficult year.. the full  
package! ”

Ben Sharp,  
Lincolnshire



## LG CHALLENGER WINTER WHEAT

Delivers on grain quality,  
yield & agronomics

Highest yielding early driller

Stand out performance in the East,  
West & North



[lgseeds.co.uk/lg-challenger](http://lgseeds.co.uk/lg-challenger)