

WARIETY GUIDE 2025













Technical Information to help you select the right Winter Cereals Variety

WELCOME TO THE 2023 LG WINTER CEREALS VARIETY GUIDE

This document provides technical information not usually available on the AHDB Recommended List, and the key strengths and benefits of our winter cereals varieties.

LG have a broad portfolio of exciting winter cereals varieties - each with different characteristics and attributes.

We're always here to help. Please contact the arable marketing or technical team for more information or questions.

The WArable Team

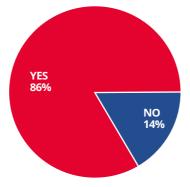
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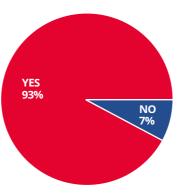
Trials Day Survey Results

In Spring 2023, we asked growers for their thoughts about Arable Trials Days. The overwhelming response was that growers value regional trials days and select varieties based on what they see and learn from them.

Does a regional variety trial provide you with more relatable information about a variety than a national event?



Would you select a variety from what you have seen and/ or learned at a variety trial?



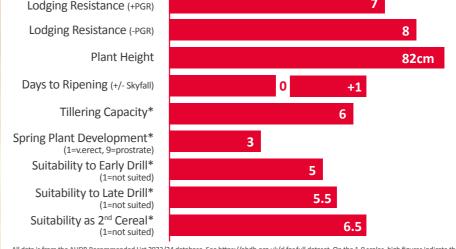


CRUSOE

REEDERS REFERENCE: NAWW25 TRIAL STATUS: UK RECOMMENDED

The benchmark Group 1 with the highest protein content available

KEY STRENGTHS Consistent Group 1 milling wheat - widely used and relied on by millers Excellent disease reistance with 9 for Yellow Rust and 6.2 for Septoria tritici Very good grain quality with a high stable Hagberg Short, stiff strawed variety Meets the specification for UK breadmaking and ukp for export AGRONOMIC PROFILE Lodging Resistance (+PGR) Lodging Resistance (-PGR) Lodging Resistance (-PGR) Lodging Resistance (-PGR)



All data is from the AHDB Recommended List 2023/24 database. 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.

Sowing Window Safe sowing window Sowing window for optimal performance







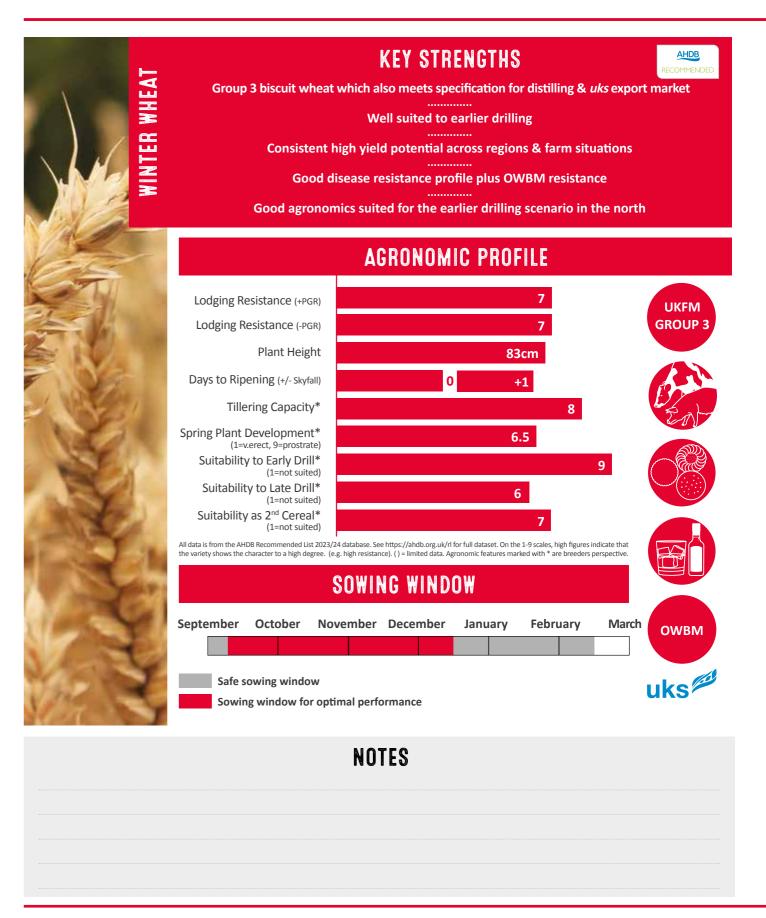
LG ASTRONOMER BREEDERS REFERENCE: LGWU 143 TRIAL STATUS: UK RECOMMENDED PARENTAGE: (COUGAR X LEEDS) X BRITANNIA

One of the most complete agronomic packages available in a winter wheat variety, combined with market opportunities for biscuit and distilling

KEY STRENGTHS AHDB WHEAT **Exceptional all-round agronomic package** Excellent disease resistance, with 9 for yellow rust and a 6.2 for Septoria tritici High Specific Weight of 78.2 kg/hl Good agronomic attributes and performance for the earlier drilling slot Biscuit variety with a number of market opportunities **AGRONOMIC PROFILE** Lodging Resistance (+PGR) UKFM **GROUP 3** Lodging Resistance (-PGR) 88cm Plant Height Days to Ripening (+/- Skyfall) Tillering Capacity* Spring Plant Development* (1=v.erect, 9=prostrate) Suitability to Early Drill* (1=not suited) Suitability to Late Drill* (1=not suited) Suitability as 2nd Cereal* (1=not suited) All data is from the AHDB Recommended List 2023/24 database. 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. **SOWING WINDOW** September October November December January February March **OWBM** Safe sowing window Sowing window for optimal performance NOTES

BREEDERS REFERENCE: LGWU 144 TRIAL STATUS: UK RECOMMENDED PARENTAGE: (COUGAR X LEEDS) X BRITANNIA

Consistent yield performance across seasons, offering a full range of market opportunities



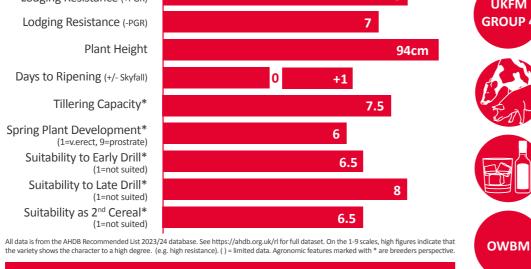




BREEDERS REFERENCE: LGWU116 TRIAL STATUS: NATIONAL LISTED PARENTAGE: SCRIBE X HORATIO

A consistently high yielding soft feed wheat with exceptional grain quality and security

KEY STRENGTHS Exceptional grain quality with a high specific weight & high stable hagberg **Excellent sprouting resistance** Consistent performance over seasons and regions Additional end-markets - suitable for distilling Taller strawed variety with good lodging resistance **AGRONOMIC PROFILE** Lodging Resistance (+PGR) UKFM **GROUP 4** Lodging Resistance (-PGR)

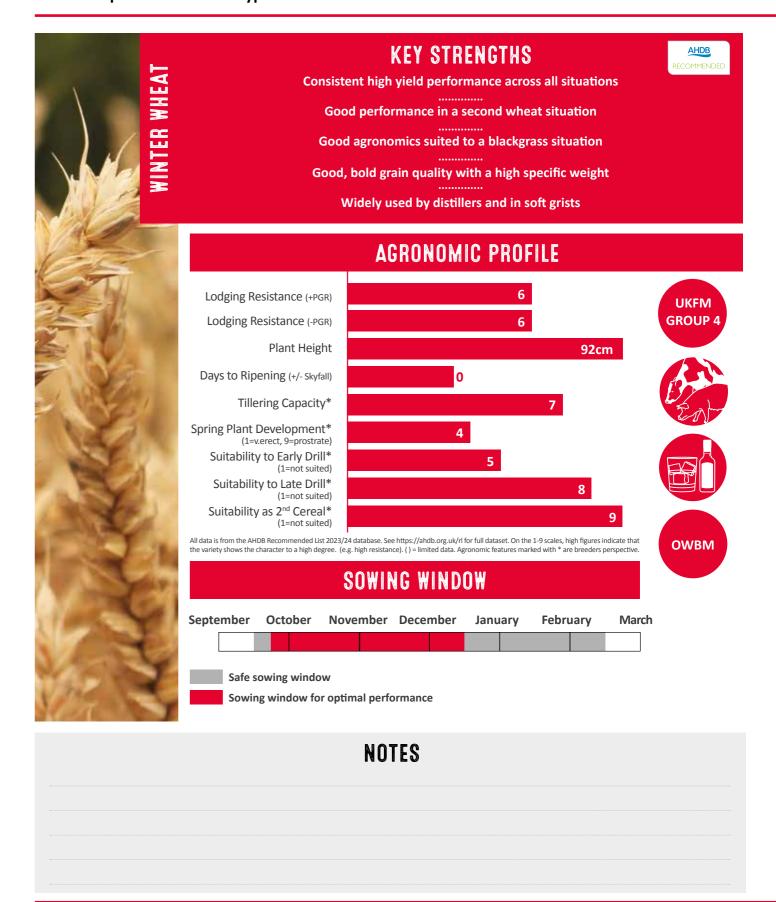






BREEDERS REFERENCE: LGW123 TRIAL STATUS: UK RECOMMENDED PARENTAGE: (CASSIUS X NAWW29) X SANTIAGO

A consistently high yielding winter wheat variety with proven performance across seasons, rotational positions and soil type







BREEDERS REFERENCE: LGWU172 TRIAL STATUS: UK RECOMMENDED PARENTAGE: LG SUNDANCE X LG GENERATION

Highest yielding feed wheat variety available on the Recommended List 2023/24

KEY STRENGTHS

Very high yielding across all on farm situations

Good disease resistance profile, especially for Septoria Tritici

Excellent second wheat performance

Suitable for the later drilling date in a blackgrass situation

Requires good agronomic management

AGRONOMIC PROFILE

Lodging Resistance (+PGR) Lodging Resistance (-PGR) 94cm

GROUP 4

UKFM

Plant Height

Days to Ripening (+/- Skyfall)



Spring Plant Development*

(1=v.erect, 9=prostrate) Suitability to Early Drill* (1=not suited) Suitability to Late Drill*



All data is from the AHDB Recommended List 2023/24 database. 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.



SOWING WINDOW

September October November December January February March

Safe sowing window

Growers in Scotland only

Tillering Capacity*

(1=not suited)

Sowing window for optimal performance

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LG REDWALD WINTER WHEAT

09

Scan here to learn how to tame the beast!





Nics	LG Winter
Trol	Wheat Guide

GROUP 1 GROUP 3 GROUP 4

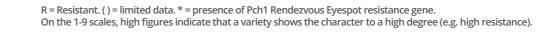
LG	Wheat Guide	CRUSOE WINTER WHEAT	LG ILLUMINATE WINTER WHEAT	LG ASTRONOMER WINTER WHEAT	LG ARKLE WINTER WHEAT	LG SKYSCRAPER WINTER WHEAT	LG REDWALD WINTER WHEAT	LG TYPHOON WINTER WHEAT	LG BEOWULF WINTER WHEAT
YIELD	Data Source	AHDB RL 2023/24	AHDB RL 2023/24	AHDB RL 2023/24	WW Trials Harvest 2023	AHDB RL 2023/24	AHDB RL 2023/24	AHDB RL 2023/24	WW Trials Harvest 2023
	AHDB Status	Recommended	Recommended	Recommended	*Candidate	Recommended	Recommended	Recommended	*Candidate
	UK Treated Yield	96	100	99	103	103	107	101	106
	East Treated Yield	96	100	99	104	103	107	101	107
	West Treated Yield	97	100	99	(102)	103	109	100	(106)
1122	North Treated Yield	94	100	97	(103)	102	(103)	101	(107)
	Untreated Grain Yield (% Treated Control)	76	87	88	87	86	92	92	92
	Suitability as a 1st Cereal	///	VVV	VVV	///	///	///	///	VVV
	Suitability as a 2 nd Cereal	VV	//	VV	//	VVV	///	///	VVV
	YIELD COMMENT	Consistent yield performance across 11 years on the RL	Consistent high yield performance across seasons and regions	Consistent yield performance across all regions of the UK, with excellent agronomic security	A potential new biscuit wheat with good consistent yield performance across all regions of the UK	One of the most consistent, high yielding wheats available - with proven performance over seasons and regions	The highest yielding wheat on the RL - showing very high yield potential across seasons and regions	High yield potential variety which has shown consistency across all regions and seasons	Very high yield potential variety which has shown consistency across all regions and seasons
MARKET	UK Breadmaking	Υ	-	-	-	-	-	-	-
OPTIONS	UK Biscuit/Cake Making	-	Υ	Υ	(Y)	-	-	-	-
	UK Distilling	-	(Y)	(Y)	(Y)	(Y)	(Y)	-	-
	Quality for Export	ukp	uks		(uks)	-	-	-	-
	Endosperm Texture	Hard	Soft	Soft	Soft	Soft	Soft	Hard	Hard
GRAIN	Protein Content (%)	12.5	11.5	11.5	10.8	11.2	11.1	11.0	11
QUALITY	Hagberg Falling Number (secs)	279	262	245	279	227	172	183	290
AGRONOMIC	Specific Weight (kg/hl)	78.5	77	78.2	77.1	77.3	75.5	77.1	78.6
	Resistance to Sprouting	6	(6)	(6)	-	6	(6)	(5)	-
	MARKET / QUALITY COMMENTS	Genetically high protein content, making it a favourite with growers and millers	Group 3 biscuit variety with full range of markets including uks	Group 3 biscuit which meets specification for distilling and has very good specific weight	Potential Group 3 biscuit with specifications for distilling and export opportunities	Soft feed variety with distilling and additional end use market premiums	Soft feed variety with specifications for the distilling market	A hard Group 4 with grain quality acceptable for the feed market	A hard Group 4 with excellent grain quality for the feed market
	Optimum Sowing Date	Mid	Early/Mid	Early/Mid	Mid/Late	Mid/Late	Mid/Late	Early/Mid	Mid/Late
	Latest Safe Sowing Date	End Jan	((Mid Feb))	((Mid Feb))	((Mid Feb))	End Jan	End Jan	((Mid Feb))	((Mid Feb))
	Speed of Spring Apical Development	Medium/Fast	Medium	Medium	Medium	Medium/Fast	Medium/Slow	Slow	Medium
CHARACTERS	Resistance to Lodging (- PGR)	8	7	7	2%	6	(5)	7	0%
	Resistance to Lodging (+ PGR)	7	7	9	3%	6	5	7	0%
	Height in cm (- PGR)	82	83	88	97	92	94	87	91
	Height in cm (+ PGR)	75	76	79	-	83	89	78	-
	Ripening (Days +/- Skyfall)	+1	+1	+1	+1	0	+2	+1	+2
	Mildew	7	5	4	8	7	6	6	8
DISEASE RESISTANCE	Yellow Rust	9	7	9	9	7	7	9	9
	Brown Rust	3	6	8	5	5	6	6	5
	Septoria tritici	6.2	5.8	6.2	5	4.9	6.7	7.3	6
	Eyespot	(5)	(6)	(5)	3	(6)	(6)	(6)	7
	Fusarium Ear Blight	7	6	6	-	6	6	6	-
	Orange Wheat Blossom Midge	-	R	R	R	R	R	R	R
	AGRONOMY / DISEASE COMMENT	Short, stiff straw combined with good YR and ST disease resistance (BR requires monitoring)	Good agronomics suited to the earlier drilling situations in the north	One of the most complete agronomic packages available on the RL, with excellent resistance to the Rusts	Candidate biscuit variety with good yield potential and additional end market opportunities. SBWMV tolerant	Taller variety with quicker speed of development in the spring - ideal for later sowing, second wheat or the blackgrass situation	Taller large biomass variety that will require a targeted PGR programme. Variety of consideration for the second wheat or blackgrass situation	Excellent agronomic package including solid YR and Septoria resistances. A variety for consideration for the earlier drilling and direct drilled, wider row situation	Good agronomic package, combining stiff straw, good disease resistances, including OWBM resistance, and excellent grain attributes
PEDIGREE	Pedigree	Cordiale x Gulliver	(Cougar x KWS Kielder) x Revelation	(Cougar x Leeds) x Britannia	(Dickens x LG Sundance) x Dickens	(Cassius x NAWW29) x KWS Santiago	LG Sundance x LG Generation	Garrus x LGW88	Gleam x Costello

















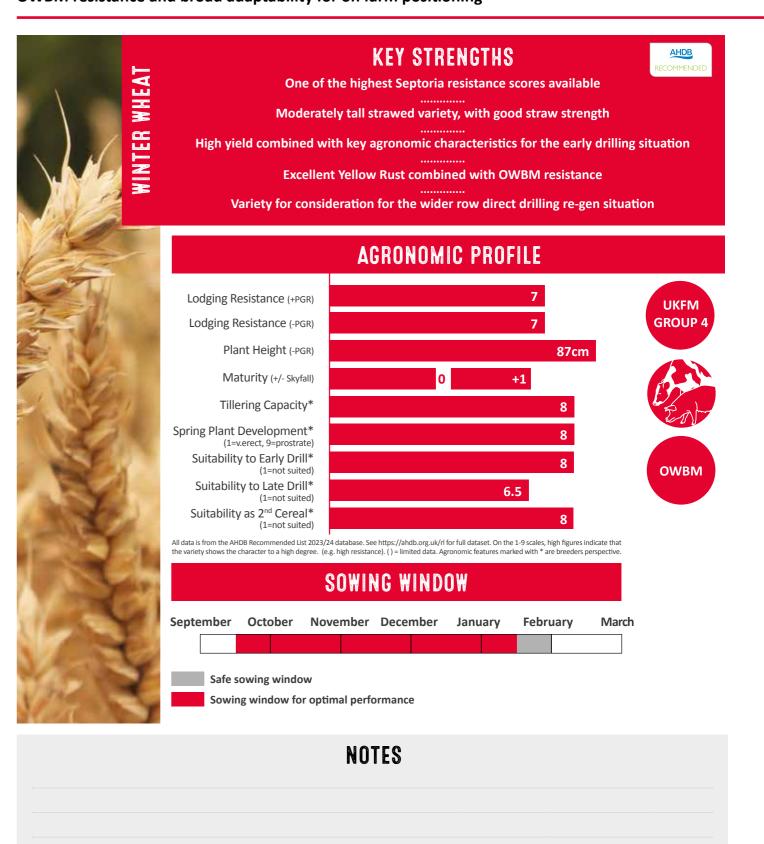
High yielding soft feed wheat, with good all round foliar disease resistance and the added security of OWBM

BREEDERS REFERENCE: LGWU148
TRIAL STATUS: NATIONAL LISTED
PARENTAGE: GARRUS X LGW77

KEY STRENGTHS Solid disease resistance for both rusts and Septoria tritici Scores highly in Agrii Variety Sustainability Ratings OWBM resistant, with good overall foliar disease Suitable for earlier drilling in the north Suited to heavier land, with a strong second wheat performance **AGRONOMIC PROFILE** Lodging % (+PGR) UKFM **GROUP 4** Lodging % (-PGR) Plant Height 86cm Maturity (+/- Skyfall) **Tillering Capacity** Spring Plant Development (1=v.erect, 9=prostrate) Suitability to Early Drill (1=not suited) **OWBM** Suitability to Late Drill (1=not suited) Suitability as 2nd Cereal (1=not suited) All data is taken from Agrii Variety Sustainability Ratings. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree **SOWING WINDOW** September October November December January February March Safe sowing window Sowing window for optimal performance NOTES

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

High yielding hard feed wheat, with a very good disease resistance profile, OWBM resistance and broad adaptability for on farm positioning



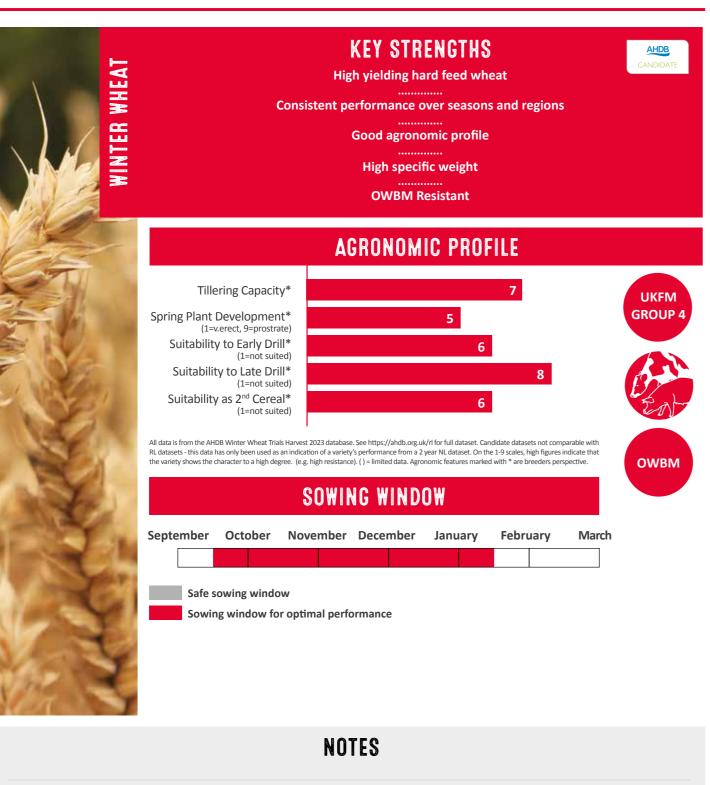






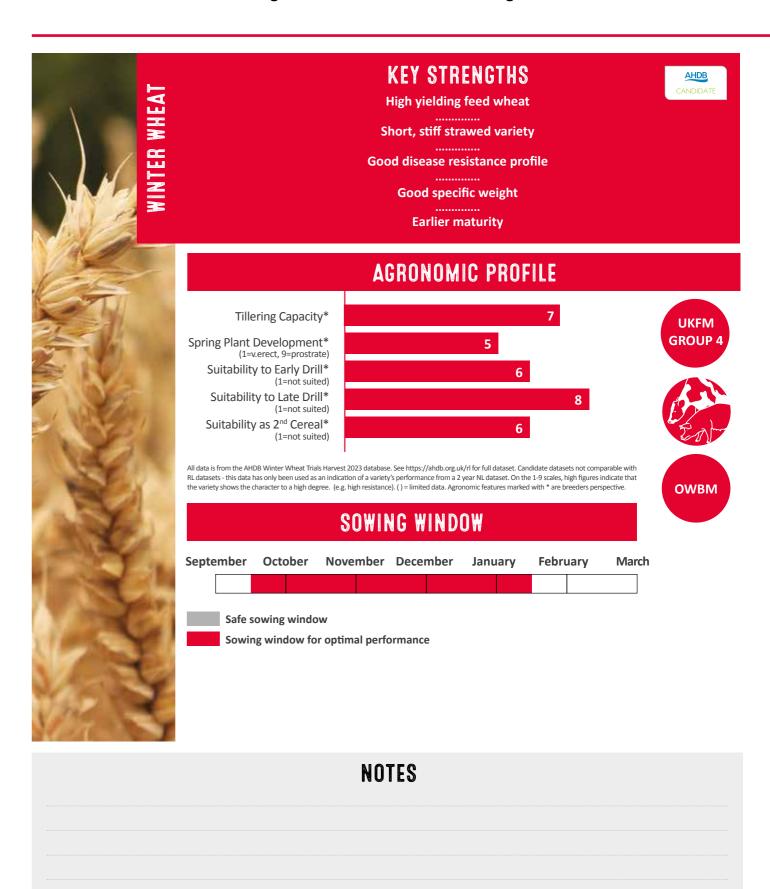
BREEDERS REFERENCE: LGWU182 TRIAL STATUS: CANDIDATE PARENTAGE: COSTELLO X GLEAM

Exciting, highest yielding candidate variety with sound agronomic attributes desirable for the hard feed wheat sector



BREEDERS REFERENCE: LGWU180 TRIAL STATUS: CANDIDATE PARENTAGE: ELATION X GLEAM

Hard feed wheat with desirable agronomic characteristics including OWBM resistance



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LG ARKLE LG GRENDEL

TRIAL STATUS: CANDIDATE PARENTAGE: LG SUNDANCE X LGWU15-2436





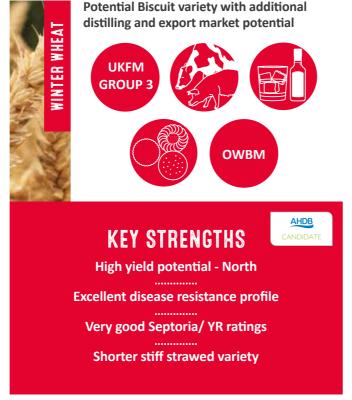


KEY STRENGTHS

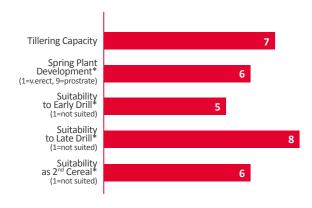
Potential Biscuit variety raising yield potential **Excellent Mildew and YR resistance**

Good grain quality attributes

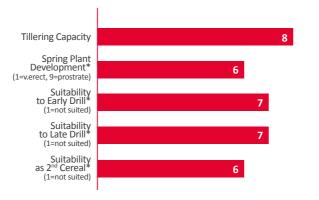
SBWMV tolerance



AGRONOMIC PROFILE



AGRONOMIC PROFILE



All data is from the AHDB Winter Wheat Trials Harvest 2023 database. See https://ahdb.org.uk/rl for full dataset. Candidate datasets not comparable with RL datasets - this data has only been used as an indication of a variety's performance from a 2 year NL dataset. On the 1-9 scales, high figures indicate that the variety shows the character to a high degree. (e.g. high resistance).

NOTES

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

The highest yielding 2-row winter barley in every region of the 2023/24 RL









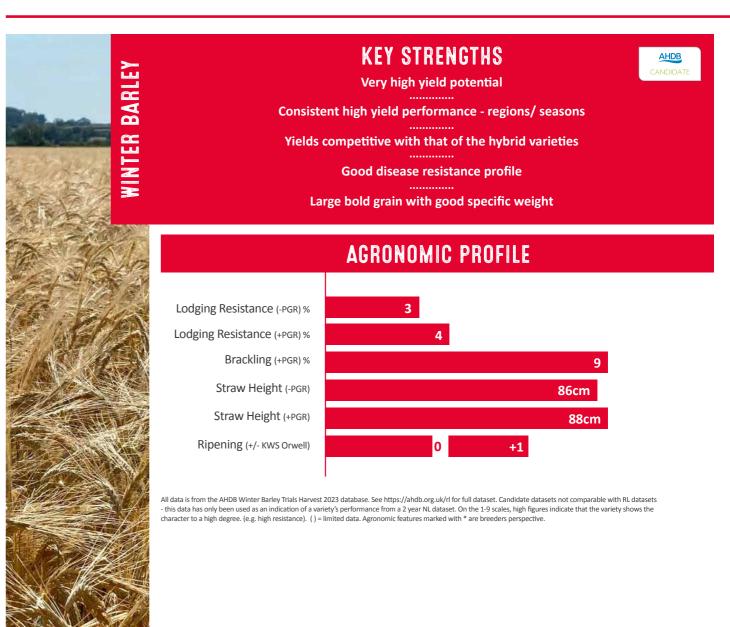
High yielding 2-row feed barley with the added benefit of early maturity

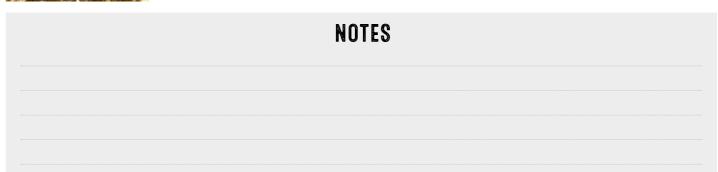
BREEDERS REFERENCE: LGBU18-6905-D TRIAL STATUS: UK CANDIDATE PARENTAGE: LGBU11-5495-B X KWS MOSELLE

Very high yielding 2 row feed candidate variety









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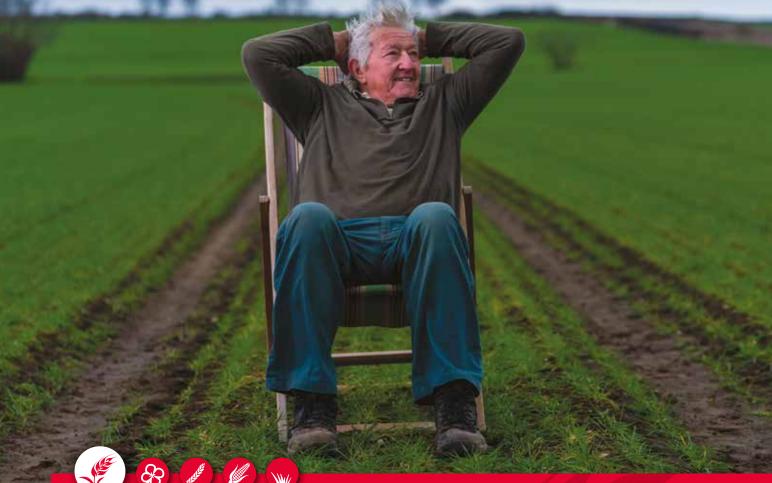


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LG CARAVELLE WINTER BARLEY

- Highest yielding 2 row winter barley in every region of the 23/24 RL
- Robust disease resistance package
- Excellent specific weight



