

National seed guide



Creating a better future for agriculture

Our regional bases

Berwick-upon-Tweed

Windmill Way West, Ramparts
Business Park, Berwick-upon-
Tweed TD15 1TB

Diss

Main Office, Sandy Lane,
Diss, Norfolk
IP22 4HY

Perth

Jura Suite 3/1, King James
VI Business Centre, Riverview
Business Park, Friarton Road,
Perth PH2 8DY

Sandy

Georgetown Road,
A1 Trunk Road, Sandy,
Bedfordshire
SG19 2UB

Cranswick

Beverley Road, Cranswick,
Driffield, East Yorkshire
YO25 9PF

Hermitage

Red Shute Mill, Hermitage,
Thatcham, Berkshire
RG18 9QL

Ross-on-Wye

Phocle Green,
Ross-on-Wye,
Herefordshire
HR9 7XU

Witham St Hughs

Camp Road,
Witham St Hughs,
Lincoln
LN6 9TN

Variety icons key

For quick reference to see which varieties carry different genetic or functional traits, we have included the following symbols on each variety profile.

Oilseed rape



TuYV resistant
Genetic resistance to the turnip yellows virus.



RLM7
Has the RLM7 major gene for stem canker resistance.



RLM12
A new source of resistance to stem canker.



RLMS
Has the RLMS major gene for stem canker resistance.



PSR
Genetic resistance to pod shatter. Exhibits a high level of pod shatter resistance, to avoid yield losses in bad weather.



Clubroot resistance
Genetic resistance to one or more of the major strains of clubroot found in UK soils.



Clearfield
Clearfield genetics for growers looking to manage cruciferous weeds or volunteers in their rotation.

Cereals



1st wheat
Particularly well suited to being sown as a first cereal.



2nd wheat
Particularly well suited to being sown as a second or continuous cereal.



Heavy land
Particularly well suited to being sown on heavy land sites.



Light land
Particularly well suited to being sown on light land sites.



UKS
Meets the specification for UKS biscuit wheat for export.



UKP
Meets the specification for UKP bread wheat for export.



Wide sowing
Varieties offering good performance over a wide range of sowing dates.



Early drilling



Late drilling



1st cereal



MBC Fully approved for malt distilling



MBC Fully approved for grain distilling



MBC Under test for malt distilling and brewing



MBC fully approved for brewing



SWRI (distilling-high)



SWRI (distilling-medium)



BaY MV1
This variety has genetic resistance to damage and yield loss from barley yellow mosaic virus strain 1.



BaY MV2
This variety has genetic resistance to damage and yield loss from barley yellow mosaic virus strain 2.



Soil-borne wheat mosaic virus resistance
Genetic resistance to yield losses from soil-borne wheat mosaic virus.



Pch1
This variety has the major Pch1 gene, which provides superior resistance to eyespot; ideal for second cereal situations.



OW BM
This variety has genetic resistance to damage and yield loss from orange wheat blossom midge.



WDV tolerant



BYDV resistant

Pulses



LVC
Low Vicine and Low Convicine (<0.15%DM)

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Welcome to your 2026/27 seed guide.

"The industry continues to operate in an environment of mounting pressures such as rising production costs, increasingly unpredictable weather patterns and the emergence of new pathogen races such as yellow rust in winter wheat. These challenges demand ever more robust solutions, which Frontier is here to provide.

Our offer includes leading varieties that combine progressive yield potential with stronger genetics, supporting growers to reduce risk and build greater resilience into the rotation. These varieties are better equipped to withstand the pressures created by extreme weather events, while yield progression remains key to maximising output and margin without compromising market opportunities.

We look forward to seeing you at one of our trials sites over the summer months, but if you have any questions in the meantime, please do not hesitate to contact our team using the details overleaf."

James Moldon
Head of Seed

Meet the team

Regional seed managers

- Alan Johnson**
Scotland
- Nicky Jones**
North
- Monty Maule**
Midlands/East Midlands
- Phoebe Grist**
Central
- Lucy Cook**
East
- Matt Pickard**
South
- Diane Griffiths**
West

Call us on: 0800 227 445

or email: info@frontierag.co.uk

National seed team

- James Moldon**
Head of Seed
 - Luke Atwell**
National Seed Contracts Manager
 - Will Moynan**
Commercial Manager - Environmental Crops
- ### Farm saved seed
- Luke Alexander**
Head of Seed Cleaning
 - Mike Gibson (GFP)**
GFP Commercial Director
- ### Certified seed
- Chris Piggott**
National Lead Certified Seed
 - Matthew Phillips (GFP)**
GFP Commercial Director
 - Kirsty Richards**
National Technical Manager, Seed



Join us in the field!

There's always a chance to meet your local Frontier team at a nearby event. From national trade shows to local trials open days to NRoSO workshops, there are hundreds of opportunities to join us in person each year.

Our events are an opportunity to network, earn BASIS and NRoSO points and learn about the latest in our industry from Frontier's technical experts.

Our summer open days, which begin in June, are a must for learning about seed varieties. Join Frontier in the field to tour our trials plots and discover the results of our independent research; we've tested varieties in local conditions to deliver insights for your farm business – don't miss out!

If you're exploring how environmental crops can add value within your rotation and across your farm, or considering agri-environment schemes, look out for sites demonstrating them in action.

It's easy to get involved! Simply keep an eye on our events page, where we're adding new entries all the time, and register for the sessions that interest you.

We're looking forward to seeing you soon.

Discover our events.



Services



The Frontier Standard for seed quality

Once you have invested the time to select the right variety for your situation, ensuring that you source the highest quality seed to drill is vital for optimising yields and achieving a successful crop.

At Frontier, we work hard to far exceed the mandatory minimum standards during our seed production, providing industry leading quality, delivered right when you need it.

To ensure that the highest quality is standard at Frontier, we multiply our own seed through regularly inspected seed crops and operate 4 static seed plants based in Bedfordshire, Norfolk, Lincolnshire, and East Yorkshire, each using state-of-the-art cleaning technology.



"At Frontier, ensuring the very highest standard of seed is our mission.



From ensuring the crop is clean in the field to implementing rigorous quality control during seed processing at site, we ensure we're setting the standard at every stage of seed production.

Our cleaning process involves operators taking samples continually to be assessed by the lab to ensure consistency. Our average purity level across 1427 certification samples during the 2024/25 season was 99.91%, and the average germination was 96.95% across all species processed by Frontier.

Combined with our expert insights into variety choice, underpinned by our £1 million annual investment in independent trials research and our relationships with seed breeders, we ensure Frontier customers have the very best in seed quality and the right information to make an informed decision on their variety choice."

Kirsty Richards,
National Technical Manager, Seeds.



The Frontier Standard

We work to far exceed the minimum standards for seed marketing, providing industry leading quality.

All Frontier processed seed currently undergoes erucic acid testing before sale. We test both on farm and during production prior to chemical treatment. At the time of publication, all samples tested have well exceeded the required standard.

Oilseeds

Number of impurities tolerated per 500g bag	Industry minimum standard	Marketing standard Frontier aims to achieve
Seeds of other plants	 0.3%	0
Wild oats	 0	0
Docks	 25	0
Wild radish	 50	0
Cleavers	 No standard	0
Charlock	 No standard	0
Fragments of sclerotia	 50	0
Inert material	10g	5g
Purity	98%	99%
Germination	85%	90%

Cereals

Number of impurities tolerated per 2kg bag	Industry minimum standard	C2 Higher Voluntary Standard	Marketing standard Frontier aims to achieve
Seeds of other cereals	 28	6	1
Seeds of other species	 28	4	1
Maximum species total	40	8	1
Wild oats	 2	0	0
Ergot pieces	 12	2	1
Inert material	40g	20g	4g
Purity	98%	99%	99.8%
Germination	85%	85%	95% Target
Loose smut	0.2%	0.2%	0% (Control via seed treatment)

Why mobile seed cleaning matters more than ever

By Luke Alexander, Head of Seed Cleaning

Seasonal outlook

Following a very busy autumn mobile seed processing campaign and now well and truly into processing spring seed, we at Frontier are doubling down on innovation and service - bringing mobile seed cleaning and expert advice straight to your farm. Our goal is simple: to help you start strong, whatever the season throws your way.

Testing: knowledge is power

96% of autumn and spring samples tested positive for at least one seed-borne disease. Testing seed, in conjunction with applying an appropriate seed treatment, isn't just smart - it's essential. Frontier offers a full suite of independent tests, from germination checks to disease packages, so you can make informed decisions and safeguard your yield.

Behind every strong crop is well-treated seed

Seed treatments are your crop's first line of defence. Fungicidal treatments protect against seed and soil-borne diseases, while micronutrients like zinc and manganese give seedlings the early nutrition to push through tough conditions. Think of it as a health plan for your crop: protection and performance from day one - faster germination, stronger roots and a crop that's ready to compete.



Grain conditioning with mobile colour sorter

Our newest addition, a high-capacity optical sorter, uses advanced camera technology to detect ergot and other contaminants, ensuring cleaner grain and minimal losses. Quick setup, expert operators and industry-leading precision.

We're not just keeping pace; we're setting the standard.

Our investment in mobile cleaning units means faster turnaround and greater flexibility for our customers. Crop establishment is becoming ever more challenging with the loss of some key chemistry in seed and foliar treatments as well as increasing weed pressures and changing weather patterns. Your crop health can be assisted in ensuring bold quality seed and the use of seed treatments. Our top-of-the-range gravity separation tables and batch treaters allow our highly experienced operators to provide you with the biggest, boldest seeds uniformly treated, giving you the best chance of maximising vigour and successful crop establishment.

Size matters

Trials by the NAAC revealed a 15% yield advantage for larger seeds. Bigger seeds mean better emergence, stronger roots and even improved weed suppression. In short, bold seed equals bold results.

We have regional teams at your service in Nayland, Peterborough and Ashford; we're here to support your rotation and help you drill with confidence.

Quality seed isn't just a detail - it's the foundation of success. By testing, cleaning and treating farm-saved seed, you protect your investment and set your crop up for a winning season.

Variable rate seed: Laying the groundwork for optimum yield

by Simon Griffin, Technical Manager

Getting seed rate right is critical for crop success. Too few seeds lead to poor establishment, delayed maturity, and increased weed pressure; too many seeds increase costs, risks lodging and reduces grain quality. The goal is a uniform, optimal plant population to maximise light interception, water use, and nutrient uptake.

Soil type is one of the biggest influences on establishment

- Heavy soils can create cloddy seedbeds, reducing soil-to-seed contact and slowing emergence. They stay cooler and wetter, lowering seed vigour. Slug damage is also greatly increased.
- Light soils break down easily, creating a fine tilth that promotes excellent seed contact, better germination, and stronger establishment and crop stands with fewer losses

Aligning seed rates to soil conditions, seedbed quality and expected plant losses lays the foundation for healthier crops and better yields.

How variable rate technology works

- 1. EMI survey** – Our precision team maps soil variability using electrical conductivity, which relates to changes in clay and sand content, moisture, % stones, and soil depth.
- 2. Ground-truthing** – Field checks calibrate EMI data for accuracy. Each conductivity zone has a full soil survey description assigned to it.
- 3. Assign establishment rates** – Each soil type zone is assessed for seedbed quality and potential winter losses. Heavy clay typically achieves around 60%, medium soils 70–75%, and light soils up to 90% establishment. Drawing on expert analysis, the specialised database, and site-specific local knowledge, the establishment layer is generated for each distinct soil profile.
- 4. Create seed rate map** – In MyFarm, choose kg/ha, seeds/m², or plants/m². Use the thousand grain weight and target plant numbers to calculate precise rates. For example, if the target is 200 plants/m² and establishment is 60%, 333 seeds are required to optimise the crop.



Why it pays

Variable rate drilling achieves closer-to-target optimum plant populations across variable soils, improving yield potential and input efficiency. Extensive experience and trial work by the precision team demonstrates clear yield benefits over flat-rate drilling, particularly in fields with contrasting soil types.

Next steps:

- Book an EMI survey and ground-truthing.
- Build your variable seed rate plan in MyFarm with support from our precision team.
- Set up simple on-farm trials using GPS yield mapping to refine rates season by season.

The Frontier agronomist

More than a crop doctor

At Frontier, we view crop health as just one component of overall business health to really give growers value for money on their agronomy service.

Beyond crop walking and advising on variety choice, pest management, disease control, soil health, and input programmes, our agronomists help farms optimise rotations, explore new revenue streams, and build business resilience.

With recommendations backed by extensive scientific evidence and a £1 million annual investment in independent trials, our agronomists give data practical meaning for your farm: what is right for you, your land, your rotation and your resources.

We start at soil health and stay with you through to end markets. Our agronomists can advise on opportunities to add value through exclusive supply chain contracts, offering premiums based on factors such as geography, variety choice, specification, or farming approach.

Our agronomists are more than crop doctors; they're the strategic advisors you need to stay ahead.



Find out more.

Nutrient management with Frontier

Delivering for your business and the farmed environment, our nutrient mapping allows easier and more informed management decisions.

Through the use of innovative technology you can:

- Build resilient soils and manage your environmental risk
- Target fertiliser and organic inputs based on soil requirements
- Understand your soil limiting factors and optimise yield where nutrients or acidity are impacting
- Gain peace of mind as our FACTS-qualified advisors support with legislative compliance with annual fertiliser recommendations.

Talk to a member of the Frontier precision services team today

Plus: Organic matter and trace elements

P

Mg

pH

K



The removal of direct support payment challenges farm profitability. How are you replacing that income?



by Michelle Nuttall, Head of Knowledge Exchange

The removal of direct support payments is reshaping UK agriculture, challenging farm profitability and forcing businesses to rethink their strategies.

Agriculture today is about more than growing crops – it's about building resilient, profitable businesses that can thrive in a rapidly changing world. At Frontier, we understand that success requires an integrated approach, combining agronomic excellence with strategic planning. Easier said than done in volatile, pressurised global markets and an evolving regulatory landscape.

The most successful farming businesses will be those who are poised to horizon scan for the next opportunity and make clear and confident decisions around how they will generate new value to future-proof their business.

Future proofing looks different for every farm. For some, it means maintaining profitability; for others, it's about unlocking new growth. For all, resilience – from soil health to financial stability – must become a cornerstone of risk management.

Leveraging intelligence to drive better decisions

It's thought that the average person makes around 35,000 decisions every single day, guided by experience and intuition. Making business decisions is no different – the intelligence you base your decisions on impacts the output. So, whether it's detailed market insights, understanding your true cost of production, forecasting yield, or assessing alternative income opportunities – this intelligence all helps ensure better informed decisions.

By understanding which opportunities offer the best potential and how policy changes affect your business, you can plan with confidence.



Horizon scan to add new value

Replacing lost income requires a holistic, forward-looking approach. By reviewing your cropping plans, assessing options, optimising production, and evaluating the whole farm, you can make decisions that improve profitability. A clear strategy allows you to balance risk and reward while finding new ways to add value across your business.

Frontier's 8 steps to future funding

guides growers through a process to access and navigate opportunities, confidently, to find the right fit for your business:

1. **Assess current practices – What assets and activities are already in place?**
2. **Confirm strategic direction – Where is your business heading?**
3. **Gather and analyse data – Do you have the insight to understand current performance?**
4. **Evaluate funding compatibility – Will changes or investments be needed?**
5. **Understand commitments – What obligations come with the funding?**
6. **Analyse financial impact – Consider costs and tax implications.**
7. **Ensure compliance – Does the funding align with legislation?**
8. **Identify support networks – Use Frontier advisors and local networks for delivery.**

New funding streams can be public or private

Government schemes such as the Sustainable Farming Incentive (SFI), Countryside Stewardship (CS) and its Higher Tier (CSHT) in England, the Sustainable Farming Scheme in Wales with its three-layered approach, the Agri-Environment Climate Scheme (AECS) in Scotland, and the EFA Enhanced Greening for 2026, all offer incentives for sustainable practices, productivity improvements, and investment in farm infrastructure.

Alongside public funding, Frontier partners with supply chain customers to create private funding programmes that reward sustainable farming.

With many processors and retailers setting net-zero and regenerative targets, demand is growing for initiatives that incentivise practices which enhance natural capital and reduce emissions.

Through our sustainable supply chain initiatives, we connect grain consumers with farmers, offering financial support for adopting regenerative practices such as reduced tillage, variable rate nitrogen, and companion cropping in oilseed rape and wheat.

Frontier also works with water companies that provide growers funding for environmental actions that protect water quality and enhance catchment resilience.

Generate future value to build resilience

Practical risk management tools help you protect profitability and manage financial uncertainty. By accessing funding, joining derisking programmes, optimising cashflow and using targeted support, you can reduce risk, make informed decisions, and strengthen your farm's resilience.



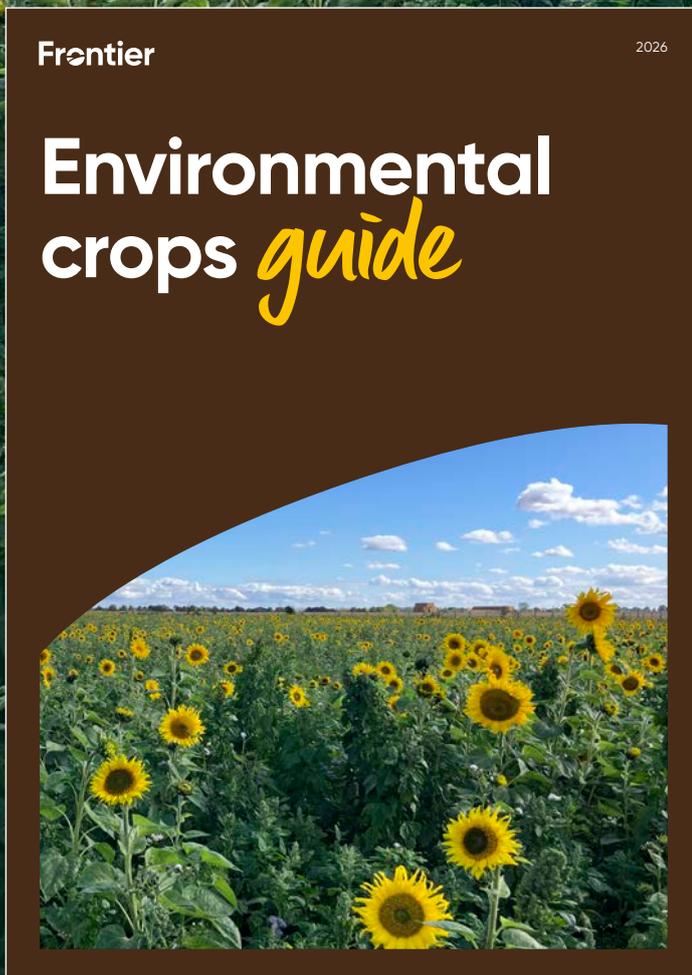
Explore our range of environmental and specialist seed

From certified and farm-saved seed to environmental and forage crops, we offer a full seed portfolio supported by expert advice and robust trial data.

We provide specialist seed mixes of the highest quality in order to support environmental actions and on-farm sustainability. These include cover crops, forage crops and conservation blends that promote biodiversity, improve soil health and build resilience.

We also share expertise on how to successfully integrate environmental crops into farm rotations, covering mixture selection, establishment, management and aligned agronomic options.

Scan the QR code below to download our Environmental Crops Guide to explore all the environmental and specialist seed in our range or speak to your Frontier advisor for more information.



Download our latest Environmental Crops Guide for our full environmental and specialist seed range.

Companion crops

Companion cropping within oilseed rape has become an established and effective strategy for mitigating damage caused by cabbage stem flea beetle (CSFB). Recognised for its agronomic and environmental value, the use of companion crops is now supported through several public and private funding initiatives, including our Oilseed Rape De-Risking Partnership.

Selecting the right companion species—sown either prior to or at the time of drilling—can help deter CSFB activity, improve crop establishment and enhance overall system resilience. The four main components we use in our companion crop mixes are:

Berseem Clover	Fenugreek	Buckwheat	Tataricum Buckwheat
<p>Why? Berseem clover provides valuable crop nutrition benefits when used as a companion in oilseed rape</p> <p>How?</p> <ul style="list-style-type: none"> As a legume species, it begins fixing atmospheric nitrogen within nine weeks of establishment, improving soil nutrient availability. It naturally decomposes in early spring, releasing nitrogen and other nutrients to support the developing oilseed rape crop. 	<p>Why? Fenugreek helps to disguise oilseed rape plants from cabbage stem flea beetle (CSFB), reducing pest pressure during establishment</p> <p>How?</p> <ul style="list-style-type: none"> It produces a distinctive aroma that masks the natural plant volatiles used by CSFB to locate oilseed rape. This olfactory masking effect makes the crop less attractive to adult beetles, supporting stronger and more uniform establishment. 	<p>Why? Buckwheat attracts beneficial insects and contributes to improved crop nutrition within the oilseed rape system</p> <p>How?</p> <ul style="list-style-type: none"> It produces pollen and nectar that attract beneficial insects such as parasitic wasps, which prey on CSFB larvae. Being frost-susceptible, it naturally dies back over winter and, as it decomposes, helps mobilise phosphate in the soil, making it more available to the establishing OSR crop. 	<p>Why? Tataricum buckwheat provides a protective canopy to shelter emerging oilseed rape plants, supporting strong crop establishment</p> <p>How?</p> <ul style="list-style-type: none"> Flowering later than standard buckwheat, it produces greater biomass, creating a denser canopy that shields young plants from pests and environmental stress.

Companion cropping within oilseed rape has become a popular method of mitigating the damage

Mixture Name	Berseem Clover	Fenugreek	Buckwheat	Tataricum Buckwheat	Pack Size
K12 Companion Crop Mix 1	✓	✓	✓		3ha
K16 Companion Crop Mix 2	✓	✓			3ha
K18 Companion Crop Mix 3	✓		✓		3ha
K86 Companion Crop Mix 4	✓	✓		✓	3ha
K91 Companion Crop Mix 5	✓		✓	✓	3ha
K113 Companion Crop Mix 6		✓	✓	✓	2ha
K127 Companion Crop Mix 7		✓	✓		1ha

We do not advocate mixing companion crop seed with oilseed rape seed, as differing seed sizes can lead to separation and seed rate inaccuracies. Straight species are also available.

K163 Living Mulch Blend

A ready-to-go living mulch mix suitable for sowing ahead of or alongside a range of combinable crops.

Contains: Rivendel, AberAce and Jura small-leaved white clover and subterranean clover.

5kg/ha 25kg pack

Oilseed Rapese



Winter Oilseed Rape

It's time to focus on this valuable break crop.

Oilseed rape can boost long-term yields, improve soil structure, help spread harvest workloads and help to control pests and diseases, making it one of the most valuable and effective break crops in a rotation.

However, the increase in cabbage stem flea beetle (CSFB) pressure and more frequent dry conditions during the summer sowing window have made crop establishment and yield loss a reality for many growers.

Whilst there are no silver bullets to control this devastating pest on the horizon we are committed to getting the best out of this important part of your rotation and we have a team of experts ready to support you with variety selection and establishment techniques as well as offering a novel de-risking scheme (page 23).

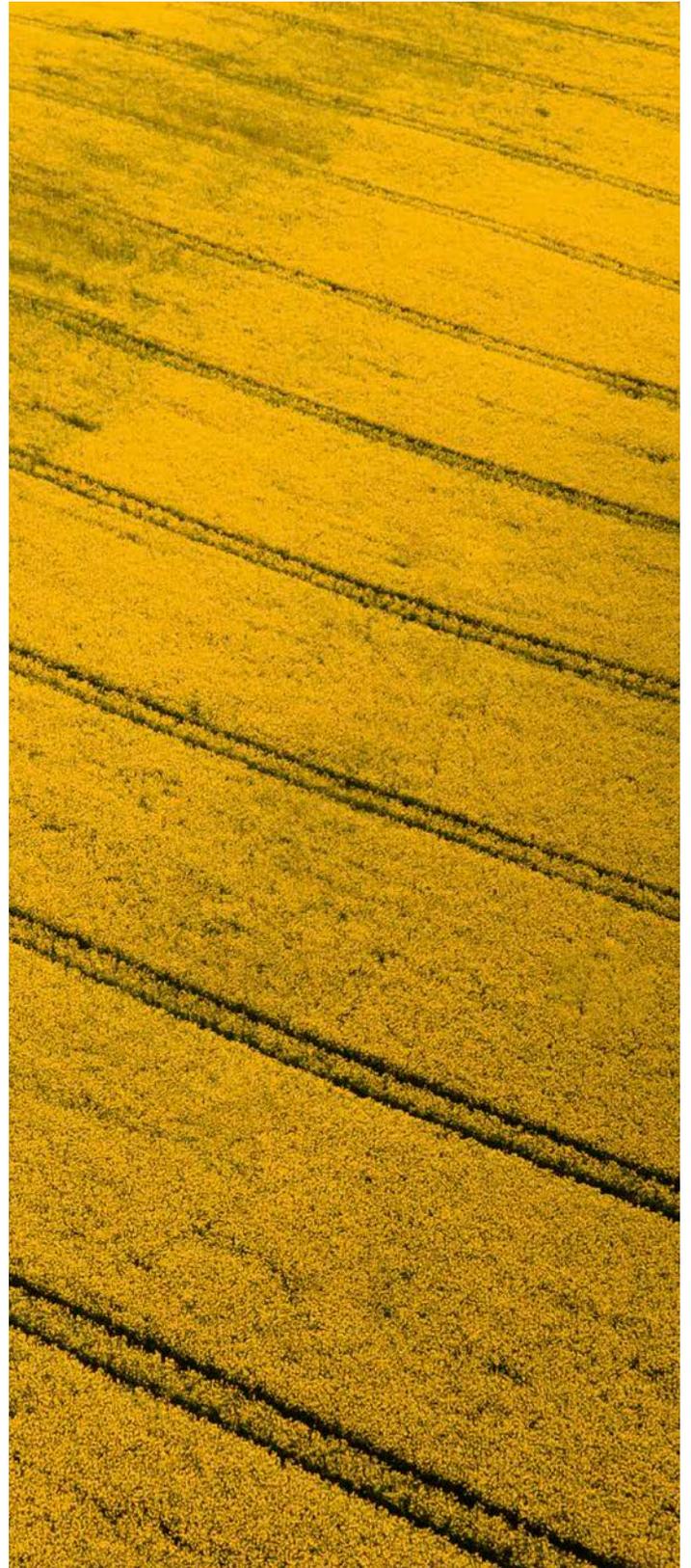
Selecting the right genetics for your farm

- 1 What's your location? Geography can influence pest pressures with light leaf sport and club root resistance being concerns for more northern growers, whereas stem canker and CSFB can be more widespread issues.
- 2 How long is your rotation? Shorter rotations can increase pressures from CSFB and trash-borne diseases such as stem canker or soil-borne issues like Verticillium wilt.
- 3 What is the soil type of the field? Heavy and light land can impact on crop vigour and establishment.
- 4 When are you planning to drill? Think about your drilling window and plan to go earlier with varieties that have good early vigour whilst leaving later drilled specialists such as many hybrids to the end of the OSR drilling window.
- 5 Use genetics with chemistry to combat known problems: an example would be the use of Clearfield® – varieties to combat problem brassica weeds.
- 6 Serve your local market – make the most of the premium end-contracts Frontier has available in your region; to maximise your income from this part of your rotation such as HEAR rape and our sustainable rape programmes (pages 23 and 34).

7 key actions for getting a successful OSR crop this season

Once you have invested in the right variety for your site and end market options, it's time to focus on good practice to get the most out of your crop. Whilst weather will undoubtedly have a significant impact on crop establishment and development, good crop management will help boost performance.

- 1** Get off to a good start – manage volunteer cereals and use appropriate cultivations to get the best seed bed possible and minimise moisture losses.
- 2** Choose appropriate seed rates for your site and the variety you have chosen to reduce problems later in the growing season. Hybrid drilling rates are suggested at 50 seeds/m² whereas conventional types should be sown in the range of 80–110 seeds/m² which equates to roughly to target 30–40 plants/m² after winter, taking into account in-field losses.
- 3** Drill when there is sufficient moisture available – if there is little moisture consider delaying drilling; practice minimal soil disturbance to minimise losses.
- 4** Think about rolling after drilling to get the best seed to soil contact.
- 5** Check the crop is established and monitor early phase development.
- 6** Monitor spray thresholds for pests and diseases routinely to keep the crop standing through to harvest.
- 7** Choose the harvesting method desiccation, or direct combining, suitable for your situation.



Our OSR de-risking partnership for Harvest 2027

How it works

Thanks to its end-to-end supply relationships, Frontier is uniquely placed to provide farmers with additional security around growing oilseed rape.

This exclusive risk management offer ensures growers who fulfil the requirements only pay for the oilseed rape and companion crops that survive through the initial establishment window, removing the financial burden associated with any failed crops.

Under the scheme, Frontier will:

- Remove the upfront cost of oilseed rape and accompanying companion crop seed.
- Waive the oilseed rape and companion crop seed cost for any hectares that fail to establish by 31st October 2026.
- Set the payment date for companion crop seed and oilseed rape seed which successfully establishes to 12 months following delivery.
- Offer flexibility in how to market and price the product.

Growers taking part must fulfill four conditions:

- Currently use or agree to use the Frontier agronomy service for the OSR crop committed to the scheme.
- Purchase one of our approved hybrid OSR seed varieties and sow the crop between 15th July and 15th September.
- Sow an approved companion crop mix alongside the contracted OSR.
- Sell the grain on a linked produce of area contract.

Additional benefits:

- Upfront cost savings of approx. 90/ha on oilseed rape seed, plus £33/ha on the associated companion crop seed
- Expert advice on agronomy and choice of companion crop
- A non-defaultable produce-of-area grain contract and flexible marketing options
- The potential to enrol into one of our sustainable supply chain programmes that reward specific farming practices
- Companion crop mixes specifically developed to satisfy SFI requirements, enabling eligible growers to receive £55 per hectare.

Register today

Speak to your Frontier farm trader or agronomist or get in touch at info@frontierag.co.uk for more information.



"OSR establishment remains challenging given the impact of the weather and continued threats such as cabbage stem flea beetle.

The resilience of farm businesses is critical for continuity of supply, but when shouldering much of the risk associated with growing the crop it can be difficult for some farmers to justify it in the rotation – it needs to be commercially sustainable.

Now entering its third year, our OSR de-risking partnership has supported more than 200 growers across 11,000 hectares, relieving over £1 million of risk. We aim to ensure farmers can make the most of strong market opportunities for oilseed rape without having to bear the financial burden in a scenario where the crop fails."

Jim Knightbraid,
Head of Customer Proposition





RGT Eros - RAGT

NPZ, UK



New for growers this season is RGT Eros, which offers great yields backed by strong disease resistances to deliver consistency over sites and seasons.

Type	Hybrid
AHDB recommended	AHDB Candidate Harvest 2026
UK Gross output (% controls)*	106
East/West Gross output (% controls)*	106
North Gross output (% controls)*	106
Untreated yield (% controls)*	-
Oil content (fungicide-treated controls %)*	47.1
Glucosinolates (µmol/g)*	10.3

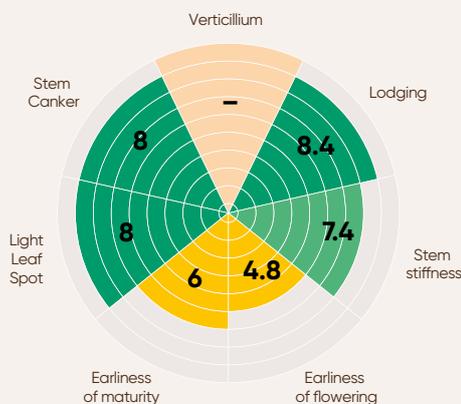
*AHDB Recommended List Winter Oilseed Rape 2026/27.

RGT Eros offers growers very high yield no matter the site or season, delivering strong gross outputs in trials over the contrasting seasons of 2024 and 2025. It's a vigorous hybrid that gets away and establishes well at plantings. This variety has a good disease package with twin 8s for light leaf spot and stem canker resistance. A medium-tall variety, RGT Eros flowers early and has good stem stiffness to protect seed yields all the way through to harvest.

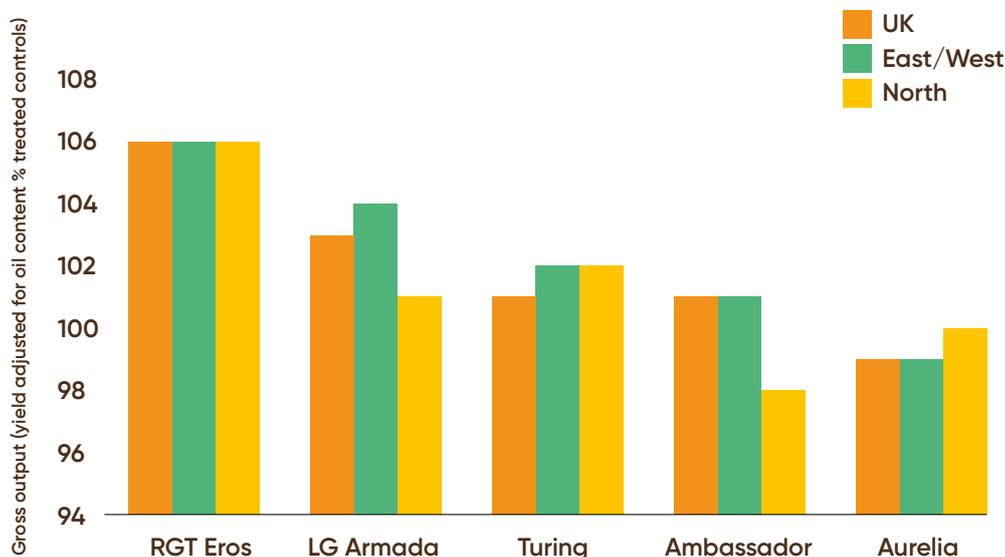


Variety icons key

Find it on page 3.



RGT Eros - excellent gross output potential across all regions



Dompteur

DSV, UK

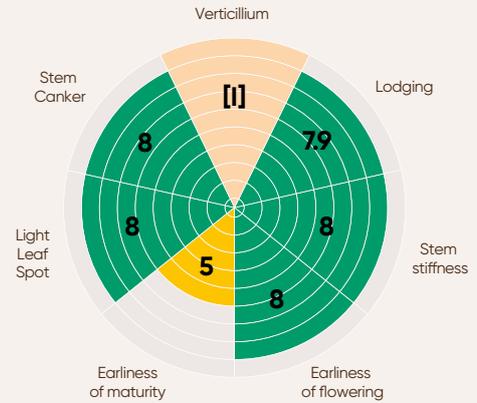


This variety, added to the 2026/27 Recommended List as the highest yields for winter OSR across the east, west and north of the UK, features top performing new genetics.

Type	Hybrid, double low
AHDB recommended	New for the UK Recommended List for 2026/27
UK Gross output (% controls)*	107
East/West Gross output (% controls)*	107
North Gross output (% controls)*	108
Untreated yield (% controls)*	-
Oil content (fungicide-treated controls %)*	46.3
Glucosinolates (µmol/g)*	12.1

AHDB Recommended List Winter Oilseed Rape 2026/27.

With super high yields over the past three seasons in all regions across the UK, Dompteur brings a great package of gross output potential, agronomic merit and disease resistance to growers this season. With twin 8s for light leaf spot and stem canker resistance, this exciting package is rounded off with TuYV and pod shatter genetics built-in for growers' peace of mind towards harvest.



Dompteur - the highest-yielding winter OSR on the 2026/27 Recommended List



Karat

NPZ, UK



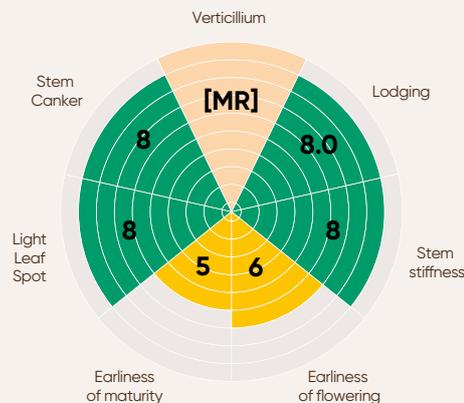
Exceptionally high gross output across all regions with excellent agronomic merit. It comes with the benefit of the new RLM12 resistance to stem canker.

Type	Hybrid, double low
AHDB recommended	New for the UK Recommended List for 2026/27
UK Gross output (% controls)*	106
East/West Gross output (% controls)*	107
North Gross output (% controls)*	105
Untreated yield (% controls)*	-
Oil content (fungicide-treated controls %)*	46.8
Glucosinolates (µmol/g)*	11.2

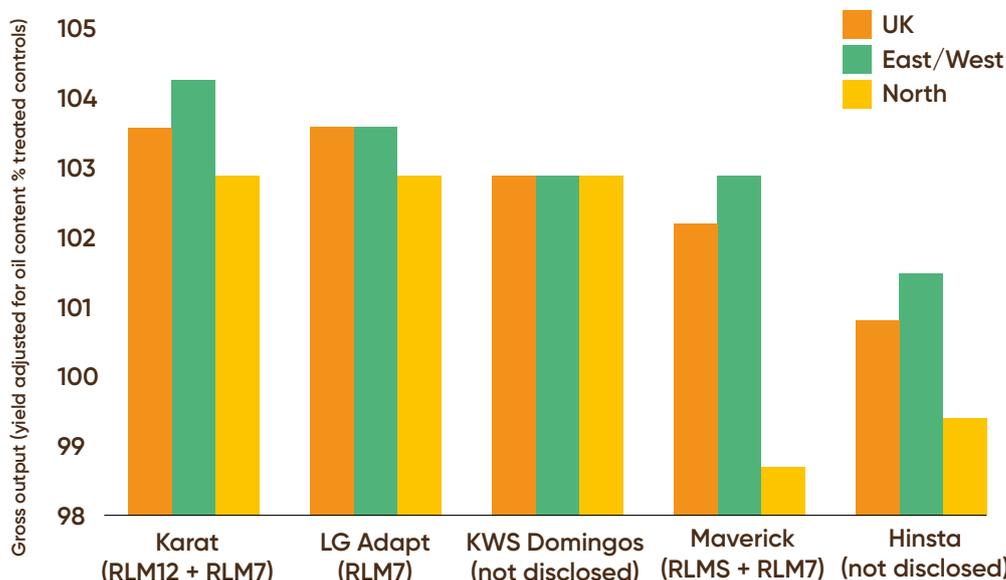
*AHDB Recommended List Winter Oilseed Rape 2026/27.

Karat is a new addition to the Recommended List that is just behind Dompteur for yield and performs especially well in the north. The variety has an excellent disease package, scoring 8s for stem canker and light leaf spot, with TuYV resistance built in. Interesting for many will be the inclusion of the RLM12 genetics, which offer robust resistance against *Leptosphaeria maculans*, the pathogen behind phoma stem canker. At 163cm, the plant is a taller type but has stiff straw with good lodging resistance.

Variety icons key
Find it on page 3.



Karat - Yield with new stem canker resistance



LG Adeline

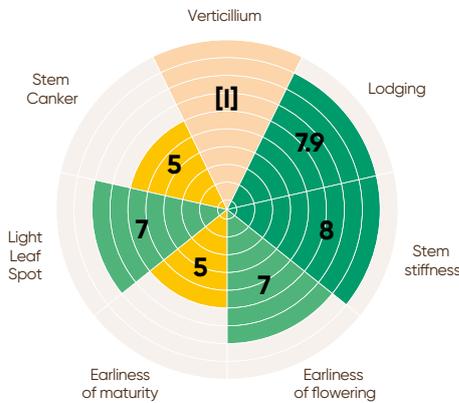
Limagrain



Very high gross output across all regions with TuYV and Pod Shatter resistance built in.

Type	Hybrid, double low
AHDB recommended	North recommended, listed since 2024 for UK
UK Gross output (% controls)*	102
East/West Gross output (% controls)*	102
North Gross output (% controls)*	103
Untreated yield (% controls)*	[103]
Oil content (fungicide-treated controls %)*	45.5
Glucosinolates (µmol/g)*	14.7

*AHDB Recommended List Winter Oilseed Rape 2026/27.



A seventh-generation hybrid from Limagrain's fully loaded hybrid portfolio, LG Adeline has exceptional gross output in the north where it performs better than older varieties such as Aurelia and Ambassador. The variety has good autumn vigour to help get it away and build biomass which is further boosted by its stiff straw and good standing (7.9). Good resistance to both stem canker and light leaf spot as well as genetic resistance to TuYV and pod shatter make this variety an excellent option for the north.

Maverick

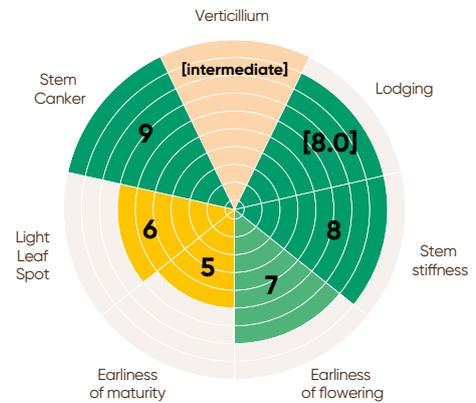
NPZ, UK



Growers looking for the best in stem canker genetics should take a closer look at Maverick and benefit from the high gross output potential in their rotation this season

Type	Hybrid, double low
AHDB recommended	UK Recommended Listed 2025 for East and West
UK Gross output (% controls)*	104
East/West Gross output (% controls)*	105
Untreated yield (% controls)*	[105]
Untreated yield (% controls)*	99
Oil content (fungicide-treated controls %)*	46.5
Glucosinolates (µmol/g)*	11.3

*AHDB Recommended List Winter Oilseed Rape 2026/27.



Specifically for the East/West region, Maverick is a high-yielding oilseed rape, which has an excellent gross output thanks to its excellent seed yield (104%) adjusted with a high oil content of 46.5%. A medium-strawed variety with good standing ability ([8.0]), it has very strong autumn and spring vigour. Excellent disease resistance completes this exciting package, including 6 for light leaf spot, 9 for stem canker (RLMS and RML7) and TuYV resistance.

Murray

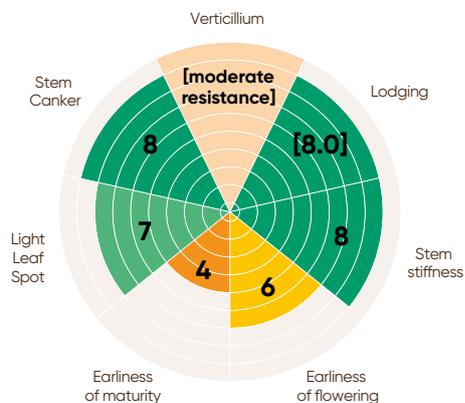
NPZ, UK



One for growers looking for one of the most complete disease resistance packages available including RLMS for stem canker, good light leaf spot and verticillium resistance.

Type	Hybrid, double low
AHDB recommended	UK Recommended List since 2023 for East/West
UK Gross output (% controls)*	101
East/West Gross output (% controls)*	101
North Gross output (% controls)*	99
Untreated yield (% controls)*	102
Untreated yield (% controls)*	99
Oil content (fungicide-treated controls)*	45.2
Glucosinolates (µmol/g)*	11.1

*AHDB Recommended List Winter Oilseed Rape 2026/27.



Murray remains a winning combination of high gross output and high seed yield specifically for the East/West regions. It combines the major gene for stem canker resistance (RLMS) with good light leaf spot scores (7) and strong spring vigour. Added to this, it features in the highest category of 'moderately resistant' to verticillium, showcasing its broad stem health characteristics.

Matrix CL

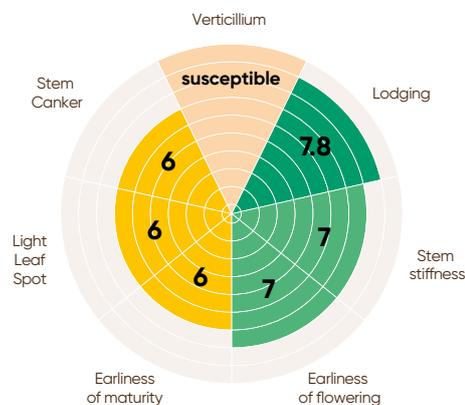
DSV, UK



A first-choice variety for growers looking to manage cruciferous weeds or volunteers in their rotation.

Type	Hybrid, double low
AHDB recommended	UK Recommended List since 2022. UK-specific tolerance to imidazole herbicides
UK Gross output (% controls)*	92
East/West Gross output (% controls)*	92
North Gross output (% controls)*	92
Untreated yield (% controls)*	92
Untreated yield (% controls)*	94
Oil content (fungicide-treated controls)*	46.2
Glucosinolates (µmol/g)*	14.2

*AHDB Recommended List Winter Oilseed Rape 2026/27.



Matrix CL is a high yielding Clearfield variety stacked with a raft of genetic traits including RLM7 for stem canker resistance, TuYV and all important pod shatter resistance to maintain yields through the harvest period. The only Clearfield OSR with a recommendation for the whole of the UK, Matrix CL has good autumn and spring vigour, and growers will benefit from its stiff straw in this mid-height variety.

Bacchus

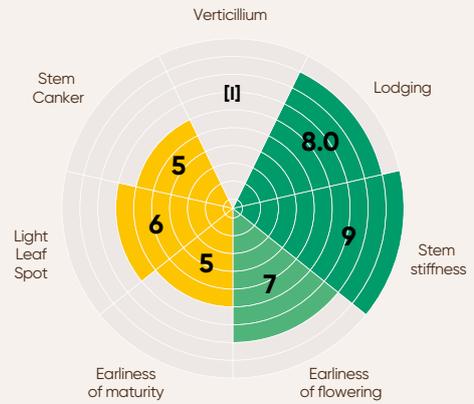
Cluser Breeding International GmbH, exclusive to Frontier



New for conventional rape growers, Bacchus delivers reliable yields across the regions over contrasting seasons.

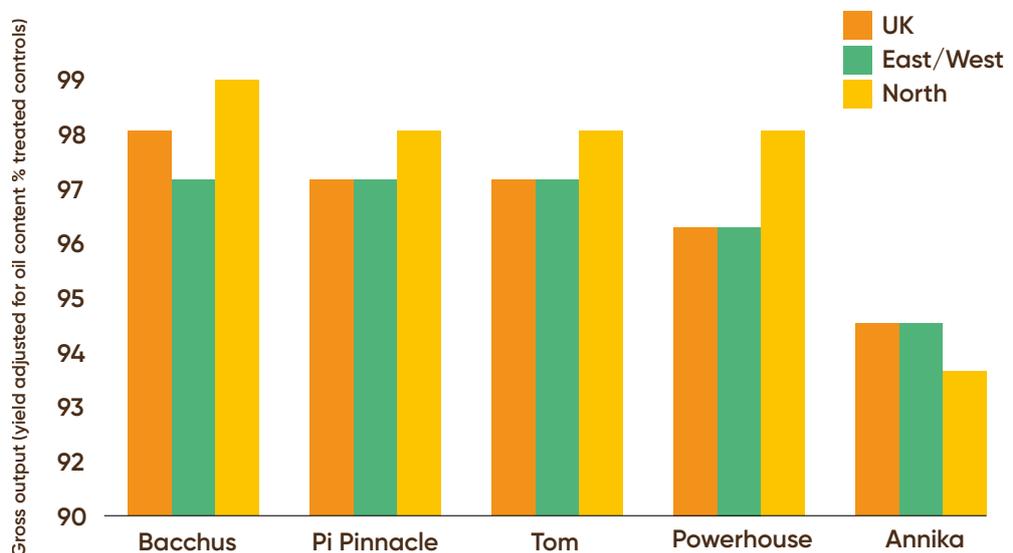
Type	Conventional Open Pollinated, double low
AHDB recommended	UK Recommended List since 2026
UK Gross output (% controls)*	98
East/West Gross output (% controls)*	97
North Gross output (% controls)*	99
Untreated yield (% controls)*	-
Oil content (fungicide-treated controls %)*	45.7
Glucosinolates (µmol/g)*	12.8

*AHDB Recommended List Winter Oilseed Rape 2026/27.



For growers looking for a vigorous conventional OSR this autumn, Bacchus is new to the Recommended List this season. It heads up the conventional types for gross output across all key rape growing regions and is backed with a good plant architecture, including stiff stems which have good resistance to lodging. It performs especially well in the AHDB north region. Like other conventional types such as Tom, Bacchus also has a high output and good all-round disease package

Bacchus - leading the pack of conventional rapes





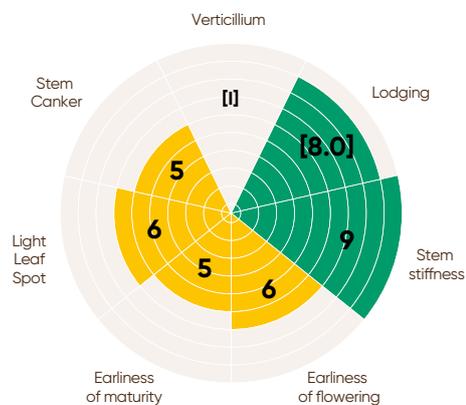
Tom

Cluser Breeding International GmbH

A super-stiff strawed type with better yields and disease package than older conventional rapeseeds like Acacia and Campus.

Type	Conventional Open Pollinated, double low
AHDB recommended	UK Recommended, Listed 2023
UK Gross output (% controls)*	97
East/West Gross output (% controls)*	97
North Gross output (% controls)*	98
Untreated yield (% controls)*	98
Oil content (fungicide-treated controls %)*	45.9
Glucosinolates (µmol/g)*	11.5

*AHDB Recommended List Winter Oilseed Rape 2026/27.



For growers who have maximised rape in their rotation using conventional types like Campus and market leading Acacia, Tom offers the next step in gross output and disease performance on-farm. Producing one of the highest oil contents of all conventional lines on the Recommended List (45.9µmol/g), the variety has good disease resistance including a 6 for light leaf spot and extremely stiff straw helping to keep the crop standing right through to harvest.

Managing clubroot in your oilseed rape crop

Clubroot resistant varieties on the AHDB Recommended List have a specific recommendation for growing on land infected with common strains of clubroot. Growers should note that some strains of clubroot may overcome these resistances and are advised not to repeatedly grow these types of varieties to prevent resistance developing against these genes.

5 best practice steps to manage clubroot:

- 1 Lengthen your OSR rotation**
 Keep as long a gap between OSR crops as possible. The longer the break, the lower the level of clubroot within the soils will be. A minimum of 5 years is advised.
- 2 Manage your soils**
 Clubroot thrives in low pH soils, so regular soil testing and applications of lime to bring soils up to pH 7 can help to reduce infection. Our precision farming division, can provide soil testing, nutrient maps and variable rate lime application maps to help manage soil pH. High soil moisture can also increase clubroot pressure, so avoid drilling areas prone to waterlogging.
- 3 Don't drill too early**
 Clubroot activity is higher in warmer soils, so early drilling makes crops more vulnerable to the pathogen. Delay drilling into the second half of August or September, to lower the risk of infection.
- 4 Be aware of other hosts**
 OSR is not the only host of the clubroot pathogen, so be aware of other potential carriers of infection. Weeds, other brassicas, and some cover crop components such as mustard should be avoided in areas of clubroot pressure.
- 5 Grow a variety with clubroot resistance**
 Several AHDB recommended varieties have genetic resistance to common strains of clubroot. Varieties such as Crusoe and Crocodile can be sown in land with low levels of clubroot pressure. However, genetic resistance is not a miracle cure, and should be used in combination with the other management practices outlined here.

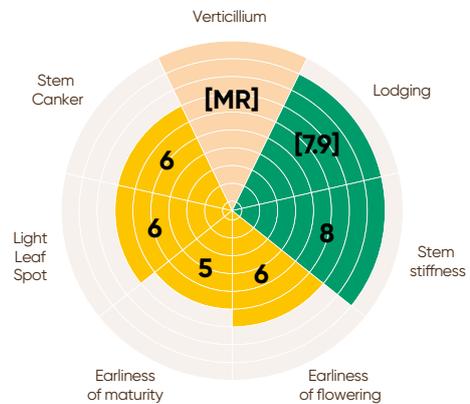
Crusoe NPZ, UK



A step-change potential in yield for growers managing OSR in the rotation on clubroot infected land; some 4% higher gross output in the east/west than the nearest yielding clubroot resistant variety on the Recommended List.

Type	Hybrid
AHDB recommended	UK Specific Recommendation, Listed 2025
UK Gross output (% controls)*	99
East/West Gross output (% controls)*	100
North Gross output (% controls)*	98
Untreated yield (% controls)*	[99]
Oil content (fungicide-treated controls %)*	44.9
Glucosinolates (µmol/g)*	12.6

*AHDB Recommended List Winter Oilseed Rape 2026/27.



Taking gross output yields across the UK and especially in the east/west (100% controls), Crusoe is a next generation hybrid WOSR for growers to use in the battle against clubroot. Higher yielding than Cromputer, Crusoe offers growers the benefits of good light leaf spot resistance (6), is moderately resistant to Verticillium stem stripe and has strong straw strength ([7.9]) despite being a taller type (161cm). When coupled with in-built resistance to TuYV, you have an excellent choice for clubroot infected land.



Variety icons key
Find it on page 3.

Crocodile

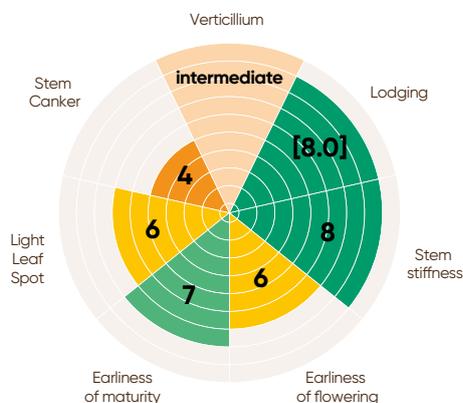
DSV, UK



Tried and tested by farmers over the years, Crocodile is a consistent yielder, with a high untreated yield compared to other club root resistant hybrids and stiff straw.

Type	Hybrid
AHDB recommended	E/W Specific Recommendation, Listed 2020
UK Gross output (% controls)*	95
East/West Gross output (% controls)*	96
North Gross output (% controls)*	[89]
Untreated yield (% controls)*	95
Oil content (fungicide-treated controls %)*	45.5
Glucosinolates (µmol/g)*	12.8

*AHDB Recommended List Winter Oilseed Rape 2026/27.



In its seventh year of widespread use on clubroot infected farms, Crocodile continues to offer growers resistance to the common strains of club root, coupled with a solid yield performance (89% controls in north) and good oil content (45.5%). The variety is stiff-strawed, offering good resistance to light leaf spot (6), although stem canker (4) will need to be monitored in the autumn and spring.

Making the most of private funding opportunities for OSR

Maximise your gross margin by securing additional payments for sustainable practices, as part of one of our exclusive sustainable supply chain programmes for oilseed rape.

With over 14,500 ha of OSR enrolled in a Frontier sustainable supply chain programme for Harvest 2026, we've been able to offer growers throughout the UK access to payments of up to £110/ha.

With payments being made for actions that lower greenhouse gas emissions, improve soil health, or boost biodiversity, our programmes provide environmental benefits whilst supporting farm profitability.

We can connect you with the expertise and advice you need to capitalise on private funding opportunities, incorporate new sustainable practices, and transition your farming system.

Programme targets:

- 1 Promote the reduction in field based greenhouse gas emissions.
- 2 Increase the adoption of practices that improve the climate resilience of oilseed rape production.
- 3 Improve soil health, biodiversity, and water quality
- 4 Reward farmers for practices that promote the above outcomes.

To learn more

About our sustainable supply chain programmes and how they can add value to your OSR rotation, contact your local farm trader or agronomist or email info@frontierag.co.uk

High Erucic Acid Rape – part of an excellent break crop offering

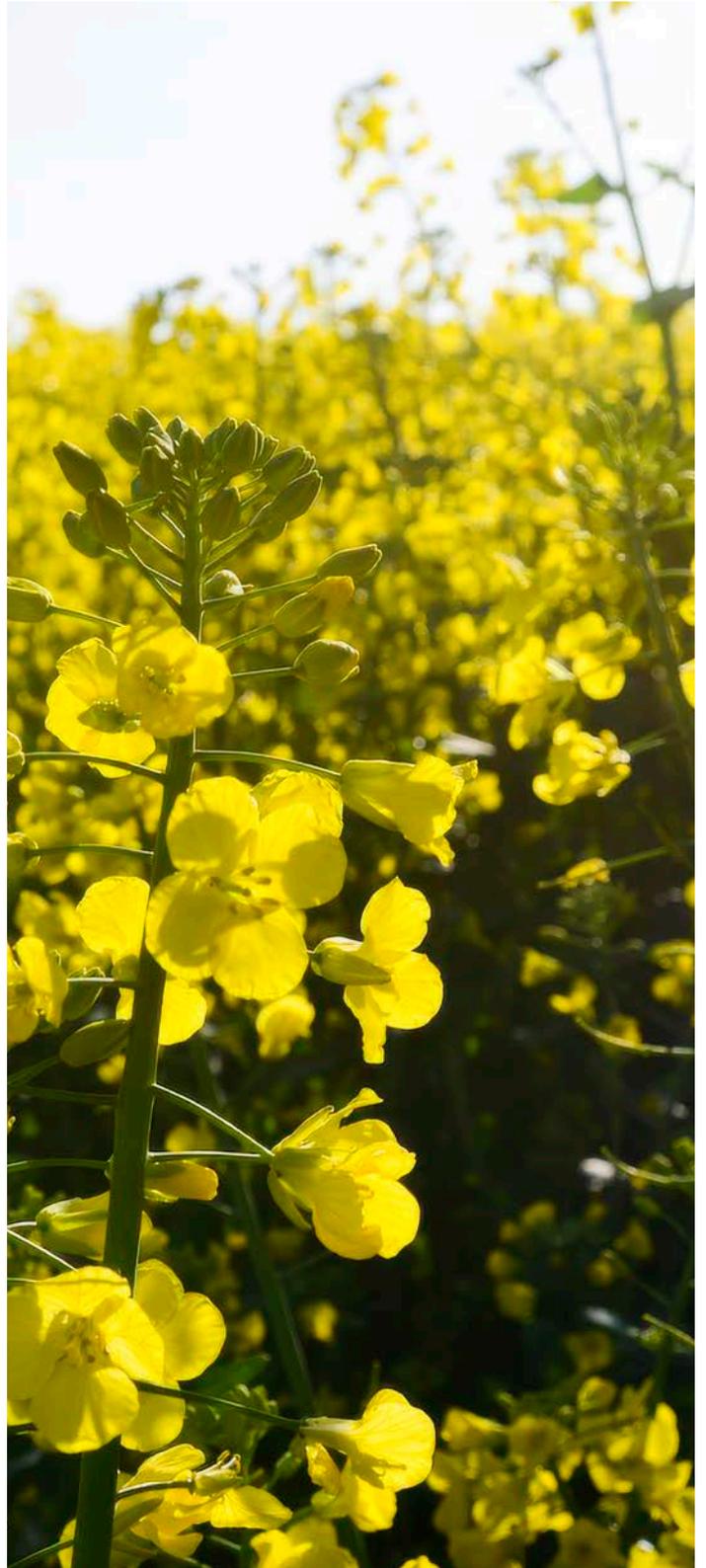
Once extracted from seeds, erucic acid serves as the key ingredient for producing erucamide, a slip agent used in plastics such as bottles to reduce friction and make caps easier to remove. Erucamide is also used in printing inks, automotive parts, engineering lubricants, and food packaging, helping extend the shelf life of fresh produce and reduce food waste. The extraction process also yields a by-product, meal, which is commonly used as a protein supplement in ruminant animal feed.

Our High Erucic Acid Rape (HEAR) contract offers growers a premium over double-low varieties. Growers will have the choice of a range of marketing options, providing flexibility on movement to help manage cash flow and market risks effectively.

HEAR varieties use the same husbandry practises as standard double-low rapeseed crops. However, particular attention must be given to preventing contamination from volunteers, with strict separation at all stages of production and storage required to maintain the erucic acid quality in the seed.

Our expert seed and trials teams monitor the performance of HEAR varieties to ensure we only supply high-quality, vigorous varieties, while our BASIS-qualified agronomists are on hand to advise on establishment, crop health and overall management.

Once harvested, the crop can be moved at harvest into one of Frontier's local stores before being supplied to Cargill, where the seed is processed at their plant in Liverpool as part of an exclusive, long-term supply agreement.

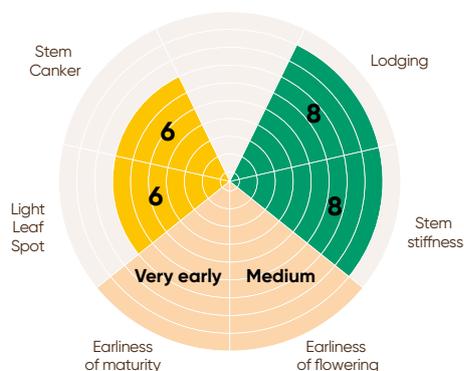


Ramses

ID Grain



Type	High erucic acid rape
AHDB recommended	Not listed
Yield (4 year average tonnes/ha)	4.46 t/ha
UK Gross output (% controls)	



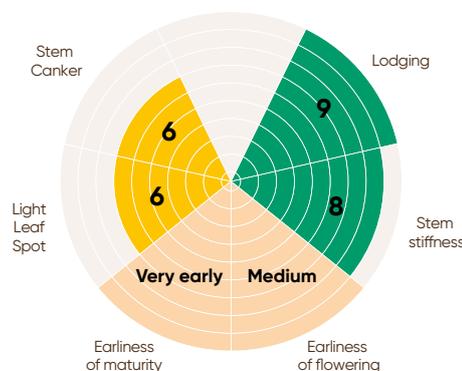
A vigorous variety, Ramses is one of the highest yielding HEAR varieties in Frontier trials, offering significant agronomic improvements over older HEAR varieties. It is a large biomass type with excellent spring and autumn vigour, helping to minimise pest and disease losses over the season. It is tall strawed but has good resistance to lodging when a standard PGR programme is applied. An early maturing variety which will be of benefit to some to spread the workload at harvest.

Rhodes

ID Grain



Type	High erucic acid rape
AHDB recommended	Not listed
Yield (4 year average tonnes/ha)	4.37 t/ha
UK Gross output (% controls)	



A tried and tested variety, Rhodes offers growers good yields coupled with excellent stem stiffness and good resistance to light leaf spot (7) making it an attractive package for more northern growers in England and into Scotland. It is an early flowering variety and like Ramses has the benefit of early maturity and genetic resistance to pod shatter giving growers peace of mind at harvest.

Winter Oilseed Rape 2026/27

	Variety type	Scope of recommendation	Variety status	Gross output, yield adjusted for oil content (% treated control)			Seed yield (% treated control)			Untreated yield (% untreated control) – UK		Disease resistance				
				United Kingdom (5.4 t/ha)	East/West region (5.3 t/ha)	North region (5.9 t/ha)	United Kingdom (5.0 t/ha)	East/West region (4.9 t/ha)	North region (5.5 t/ha)	Gross output (5.3 t/ha)	Seed yield (4.9 t/ha)	Light leaf spot (1–9)	Stem canker (1–9)	Verticillium	TuYV	
HYBRID																
Dompteur	Hybrid	UK	NEW	107	107	108	106	106	106	-	-	8	8	[I]	R	
Karat	Hybrid	UK	NEW	106	107	105	104	105	102	-	-	8	8	[MR]	R	
LG Adapt	Hybrid	UK		106	106	105	103	103	103	[105]	[104]	7	5	[I]	R	
KWS Domingos	Hybrid	UK	NEW	105	105	[105]	104	104	[104]	-	-	7	8	[I]	R	
Maverick	Hybrid	E/W		104	105	99	103	104	97	[105]	[105]	6	9	[MR]	R	
LG Academic	Hybrid	UK		104	104	103	103	103	103	[105]	[105]	7	6	[I]	R	
LG Armada	Hybrid	UK	C	103	103	103	102	102	102	[106]	[105]	7	5	[S]	R	
Turing	Hybrid	E/W	*C	103	103	102	104	104	102	100	100	7	4	I	-	
Hinsta	Hybrid	E/W		102	103	[100]	101	101	[99]	[100]	[99]	7	5	[MR]	R	
LG Avenger	Hybrid	N		102	102	103	101	101	102	[102]	[101]	7	5	[S]	R	
LG Adeline	Hybrid	N		102	102	103	102	101	103	[103]	[103]	7	5	[I]	R	
Magelan	Hybrid	E/W		102	102	[100]	100	101	[98]	[101]	[100]	6	6	[MR]	R	
Murray	Hybrid	E/W	*	101	101	99	101	102	99	102	102	7	8	MR	-	
Dolphin	Hybrid	E/W	*	100	101	97	98	98	95	[102]	[100]	6	5	MR	R	
CONVENTIONAL OPEN-POLLINATED																
Bachus	Conv	UK	NEW	98	97	99	97	97	99	-	-	6	5	[I]	-	
Pi Pinnacle	Conv	UK	C	97	97	98	97	97	98	[96]	[96]	6	4	I	-	
Tom	Conv	UK		97	97	98	96	96	97	98	98	6	5	I	-	
Powerhouse	Conv	N		96	96	98	98	97	100	[98]	[99]	7	5	[S]	-	
Annika	Conv	E/W		94	94	93	94	94	93	92	92	7	5	MR	R	
HERBICIDE TOLERANT																
LG Calvin CL	Hybrid	UK Sp	NEW	94	94	93	95	95	94	-	-	6	5	[S]	R	
Beatrix CL	Hybrid	E/W Sp		93	93	89	91	92	88	92	91	5	5	I	R	
Matrix CL	Hybrid	UK Sp		92	92	92	91	91	91	94	93	5	6	S	R	
Miraculix CL	Hybrid	N Sp	*	92	92	91	91	91	90	[92]	[92]	5	6	I	R	
CLUBROOT RESISTANT																
Crusoe	Hybrid	UK Sp		99	100	98	100	101	99	[99]	[100]	6	6	[MR]	R	
Crios	Hybrid	N Sp	NEW	97	97	96	97	98	96	-	-	7	5	[I]	-	
Cromputer	Hybrid	UK Sp		97	97	95	96	96	95	[98]	[97]	6	5	[MR]	R	
Crocodile	Hybrid	E/W Sp	*	95	96	[89]	95	96	[89]	98	98	6	4	I	-	
Crome	Hybrid	N Sp	*	91	91	92	90	90	91	90	89	5	2	MR	-	
DESCRIBED																
Eriksen	Hybrid	UK HEAR	NEW	95	96	90	94	94	90	[102]	[99]	5	8	[MR]	R	
Resort	Hybrid	UK HEAR		85	85	82	84	84	81	84	83	5	4	I	-	
Average LSD (5%)				3.8	4.2	4.4	3.6	4.1	4.2	5.6	5.3	0.6	1.0			

Agronomic features							Seed quality (at 9% moisture)		Annual treated gross output, yield adjusted for oil content (% control) – UK				Treatment benefit at co-located sites (% treated control, 5.5 t/ha) – UK		Breeder/UK contact		Status in RL system	
Resistance to lodging (1–9)	Stem stiffness (1–9)	Shortness of stem (1–9)	Plant height (cm)	Earliness of flowering (1–9)	Earliness of maturity (1–9)	Pod shatter resistance	Oil content, fungicide-treated (%)	Glucosinolate (µmol/g)	2022 (6.0 t/ha)	2023 (5.4 t/ha)	2024 (5.2 t/ha)	2025 (5.9 t/ha)	Treated gross output	Untreated gross output	Breeder	UK contact	Year first listed	RL status
7.9	8	5	161	8	5	R	46.3	12.1	-	[108]	108	107	-	-	DSV	DSV	26	P1
8.0	8	5	163	6	5	-	46.8	11.2	-	[106]	106	105	-	-	NPZ	NPZU	26	P1
[7.9]	8	5	162	6	5	R	47.0	12.7	105	106	105	105	[110]	[101]	LimE	Lim	25	P2
[7.9]	8	5	165	6	5	R	46.1	14.0	-	[106]	105	105	-	-	KWSS	KWS	26	P1
[8.0]	8	6	160	7	5	-	46.5	11.3	102	102	101	102	[104]	[101]	NPZ	NPZU	25	P2
7.9	8	6	160	7	5	R	45.8	14.1	103	104	104	104	[106]	[101]	LimE	Lim	24	-
8.0	8	5	161	5	5	R	46.1	12.6	103	103	103	103	[104]	[102]	LimE	Lim	24	-
8.0	8	6	152	8	5	-	45.0	10.4	102	102	102	103	102	96	NPZ	NPZU	23	*
[8.0]	8	6	160	6	5	R	46.6	14.8	101	102	102	101	[102]	[96]	KWSS	KWS	25	P2
[7.9]	8	5	166	6	5	R	46.5	10.5	102	103	102	102	[105]	[98]	LimE	Lim	25	P2
7.9	8	6	159	7	5	R	45.5	14.7	102	103	102	102	[105]	[99]	LimE	Lim	24	-
[7.8]	8	6	160	7	5	R	46.7	14.8	100	102	100	100	[101]	[98]	LimE	Lim	25	P2
[8.0]	8	6	160	7	4	-	45.2	11.1	100	101	100	100	99	98	NPZ	NPZU	23	*
[8.0]	9	6	152	7	4	-	46.9	13.0	99	100	97	99	[101]	[98]	DSV	DSV	24	*
8.0	9	6	152	7	5	-	45.7	12.8	-	[99]	98	98	-	-	CBI	FA	26	P1
8.0	8	6	158	5	5	-	45.1	13.0	98	98	98	97	[94]	[92]	Pick	GSd	24	-
[8.0]	9	6	152	7	5	-	45.9	11.6	97	98	96	97	96	94	CBI	FA	23	-
[8.0]	8	7	148	6	5	-	44.1	14.5	97	97	97	97	[95]	[94]	Els	Els	25	P2
[8.0]	9	6	154	6	4	-	45.4	11.6	95	93	[93]	93	93	88	LimE	Lim	22	-
7.9	8	6	152	7	6	R	44.6	14.1	-	[93]	93	94	-	-	LimE	Lim	26	P1
[7.9]	[8]	6	155	7	6	R	46.4	15.3	92	91	89	92	96	88	DSV	DSV	23	-
7.8	7	6	157	7	6	R	46.2	14.2	92	92	90	92	93	91	DSV	DSV	22	-
[7.9]	8	6	160	7	6	R	46.1	15.2	92	91	90	92	[92]	[89]	DSV	DSV	24	*
[7.9]	8	5	161	6	5	-	44.9	12.6	99	100	98	98	[101]	[95]	NPZ	NPZU	25	P2
7.9	8	7	148	9	5	-	45.3	14.5	-	[97]	95	97	-	-	R2n	RAGT	26	P1
[7.9]	8	6	156	6	5	-	46.1	13.4	96	96	95	97	[102]	[94]	DSV	DSV	25	P2
[8.0]	8	6	151	7	6	-	45.5	12.8	94	91	90	93	94	94	DSV	DSV	20	*
8.0	9	6	150	7	6	-	46.4	10.8	92	92	90	92	90	87	NPZ	NPZU	19	*
[8.0]	8	6	157	7	5	-	46.8	11.4	94	92	91	94	[97]	[98]	NPZ	NPZU	26	P1
8.0	8	6	152	7	5	-	46.3	14.0	84	83	82	85	84	81	NPZ	NPZU	20	-
0.1	0.4	0.3	3.0	0.4	0.3		0.3	-	-	-	-	-	5.3	5.4				

Introduction

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Winter Wheat

For many growers, first wheat remains the most profitable part of the farm's rotation.

But every farm is unique, and each farm business has different goals, and that makes variety choice highly personal. Nevertheless, sound variety choice remains the key to rotational resilience.

Increasing extremes of climate and weather coupled with changing and volatile grain markets will mean that flexibility and consistency will be key considerations for growers for making this season's wheat choices.

The industry continues to operate in an environment of mounting pressures such as rising production costs, increasingly unpredictable weather patterns and the emergence of new pathogen races such as yellow rust in winter wheat. These challenges demand robust solutions, and thankfully some of the new wheat's latest additions to the Recommended List (RL) for 2026 go some way to deliver just that.

At Frontier we've selected new varieties that combine progressive yield potential with stronger genetics, supporting growers to reduce risk and build greater resilience into the rotation. Thanks to enhanced pest and disease resistance, these crops are better equipped to withstand the pressures often created by extreme weather events, while yield progression remains key to maximising output and margin without compromising market opportunities.



Winter wheat drilling times

Variety	Type	September				October			November			December			January			February		
		1st week	2nd week	Mid	Late	Early	Mid	Late	Early	Mid	Late	Early	Mid	Late	Early	Mid	Late	Early	Mid	Late
		High disease and speed of development ratings key				Mainstream wheat sowing			Maturity and specific weights may be impacted by later drillings						Spring wheat may be a better alternative					
Grafton	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Parkin	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
LG Typhoon	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
LG Beowulf	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Vibe	Group 1	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Graham	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Zyatt	Group 1	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
SY Cheer	Group 1	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Palladium	Group 2	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Scope	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Dawsum	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Bamford	Group 3	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Crusoe	Group 1	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Blackstone	Group 4 soft	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Sparkler - New!	Group 4 soft	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Solitaire	Group 3	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Arlington - New!	Group 1	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Breeders claim
Skyfall	Group 1	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Extase	Group 2	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
KWS Arnie	Group 2	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
LG Defiance - New!	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Champion	Group 4 hard	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Spring wheats	All groups	Optimum	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible

Optimum drilling date.

Possible drilling date but decision should be based on seed bed quality, soil temperature and weather. Note: yield and harvest date may be impacted.

Access to premium wheat markets

Every farm situation is unique, right down to the individual fields that crops are grown in. It's all about attention to detail, understanding the variety chosen, the specific conditions that it will be grown in and the management options to maximise yields and meet end user quality specifications. For example, using high seed rates with very high tillering varieties can have a negative impact on standing power, disease resistance and specific weight. If plant canopies are too thick, this will have implications on crop management.

The charts on this page should be used as a guide, and individual needs tailored on-farm to optimise crop management and maximise the yield and quality of each variety sown.

To learn more

About how your wheat crop could be part of this innovative scheme, then please contact your local farm trader or agronomist who will be pleased to walk you through contract details and terms.



What's new in winter wheat for 2026?



Arlington New Group 1

Pch1 and OWBM resistant
 Best in class *Septoria* rating (7.0)
 Very high untreated yields
 High yield potential across the regions
 Wide drilling window



Sparkler New Group 4 soft

Highest yielding soft wheat on the
 2026/27 Recommended List
 Very high alcohol extract for distilling
 Best combination of yellow rust (7)
 and *Septoria* (7.2) in soft category



LG Defiance New Group 4 hard

Great balance of high yield potential
 and disease resistance
 Highest untreated yield on the 2026 Recommended
 List (95% treated controls)
 Strong disease resistance package including
 yellow rust (8), *Septoria* (6.3), plus orange wheat
 blossom midge (OWBM)
 Ideal for October drilling; useful in second
 wheat slot or after root crops or maize

UKFM Group 1 varieties

Premium breadmaking varieties sit within this market group, delivering year-on-year consistent milling and baking performance for domestic millers. Recently reinvigorated by the addition of exciting new varieties like SY Cheer and KWS Vibe, these wheats are brought to growers to achieve a premium if they meet specified quality requirements of 13% protein, 250s Hagberg Falling Number and 76kg/hl specific weight; always check with your home the specifics of your contract requirements.

Frontier has a range of premium markets that your Group 1s can serve – contact your local agronomist or farm trader to learn more.

UKFM Group 1	Group 1 Spec	UKP Specification
Protein	13.0	11.0-13.0
HFN	250	250
Specific weight (kg/hl)	76.0	76.0
Max. moisture content (%)	15	14
Max. admix (%)	2	2
W	-	170 (min)
P/L	-	0.9 (max)



Arlington

DSV UK

Pedigree: **Marston x Skyfall**



Arlington is the new Group 1 this season for growers looking for a Skyfall replacement. It features improved disease scores but with the same built-in resistance to OWBM, wide sowing window and stiff straw liked by many on-farm.

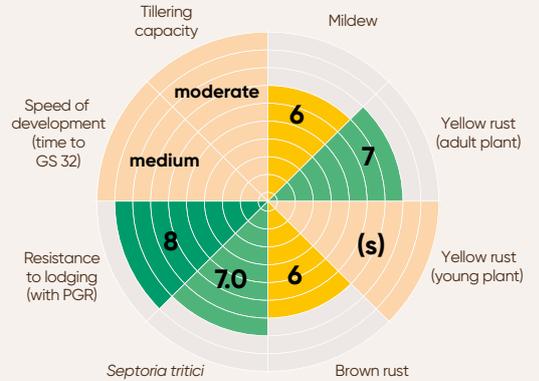
Type	UKFM Group 1 winter wheat
AHDB recommended	UK Recommended, Listed 2026
UK treated yield (% controls)*	99
East treated yield (% controls)	100
West treated yield (% controls)	99
North treated yield (% controls)*	[96]
Untreated yield (% controls)*	94
Protein Milling trials (%)*	12.5
Protein All trials (%)*	11.5
HFN*	309
Specific weight (kg/hl)*	78.9

*AHDB Recommended List Winter Wheat 2026/27.

New for drilling in 2026, Arlington combines a high yield potential across all regions with improvements in resistance to *Septoria* (7.0) and orange wheat blossom midge (OWBM) resistance for the Group 1 sector. A Skyfall cross, this variety offers similar grain quality and breadmaking potential to its parent but with improved disease resistance and the second-highest untreated yield on the 2026/27 Recommended List (94% treated controls).

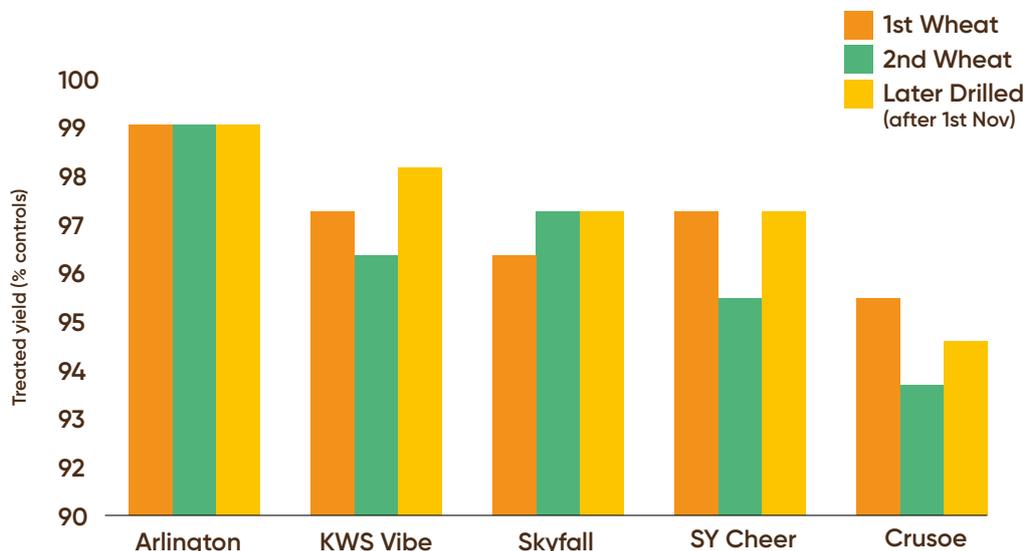
Variety icons key
Find it on page 3.

0
Ripening days (+/- Skyfall)



Sure to find favour on-farm, Arlington's growth habit also appears similar to Skyfall, with relatively fast autumn development and strong tillering. It's a variety that will perform across a really wide sowing window. This coupled with its strong second wheat performance - thanks to good straw and Pch1 gene for eyespot resistance - make this an attractive option for milling wheat growers.

Arlington, a new 'Skyfall', with a wide drilling window and good performance later drilled



KWS Vibe

KWS UK Ltd

Pedigree: **KWS Zyatt x Bernstein**



The new protein producer for the Group 1 market, KWS Vibe brings exceptional grain quality with improvements on disease resistance to growers this season.

Type	UKFM Group 1 winter wheat
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	97
East treated yield (% controls)	96
West treated yield (% controls)	98
North treated yield (% controls)*	99
Untreated yield (% controls)*	88
Protein Milling trials (%)*	13.4
Protein All trials (%)*	11.9
HFN*	294
Specific weight (kg/hl)*	78.6

*AHDB Recommended List Winter Wheat 2026/27.

KWS Vibe was an exciting addition to the Recommended List 2025/26 for Winter Wheats, and for good reason: having one of the best combinations of yield, disease resistance and grain quality in the Group 1 sector, offering real change and excellent gross margin potential for professional milling wheat growers.

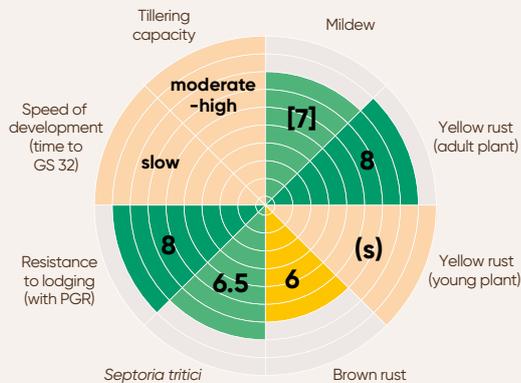


Variety icons key

Find it on page 3.

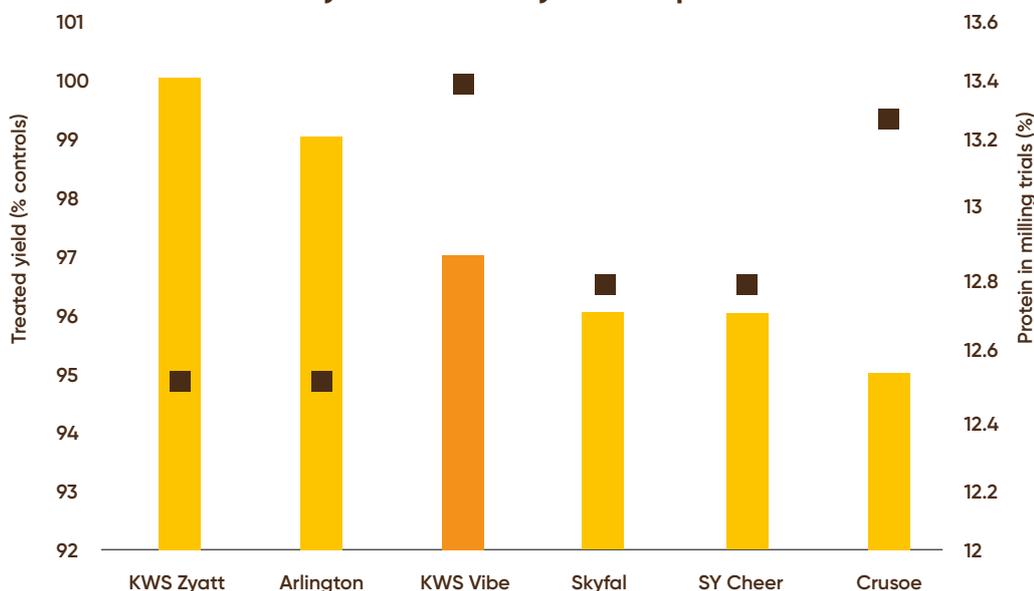
+1

Ripening days (+/- Skyfall)



It's a slow developer and along with a score of 6 for eyespot resistance, makes it the ideal wheat to start drilling early, a key requirement for growers further north. In the East and West, KWS Vibe is all about yield, market potential, disease resistance and field performance. With twin 8s for standing, KWS Vibe is a short stiff plant type, backed with an impressive set of disease resistance scores including [7] for mildew, 8 for yellow rust and 6.5 for *Septoria*.

KWS Vibe – Still the best combination of protein and yield in today's Group 1 sector



SY Cheer

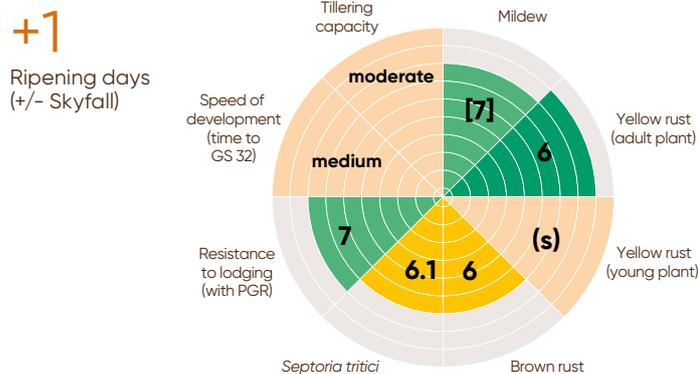
Syngenta UK

Pedigree: **KWS Trinity x Expert**

Useful improvements in disease resistance over some more established Group 1 varieties.

Type	UKFM Group 1 Winter Wheat
AHDB recommended	UK Recommended, Listed 2024
UK treated yield (% controls)*	96
East treated yield (% controls)	96
West treated yield (% controls)	96
North treated yield (% controls)*	99
Untreated yield (% controls)*	81
Protein Milling trials (%)*	12.8
Protein All trials (%)*	11.6
HFN*	306
Specific weight (kg/hl)*	79.7

*AHDB Recommended List Winter Wheat 2026/27.



In its third year of commercialisation SY Cheer offers growers a step on in disease resistances from more established Group 1 varieties. Good yields across all regions are matched with excellent grain quality including the highest specific weight (79.7kg/hl) and HFN (306) of all listed Group 1s.

KWS Zyatt

KWS UK Ltd

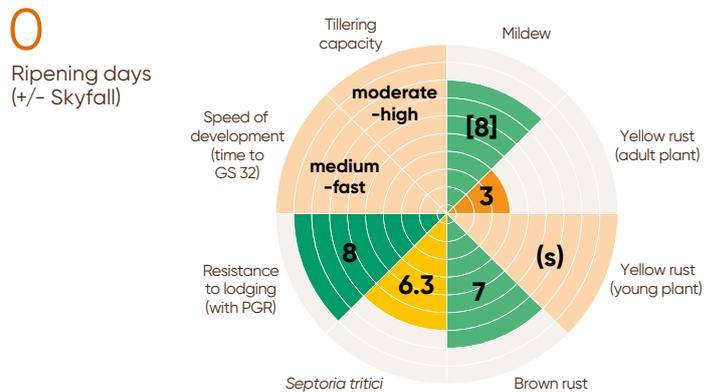
Pedigree: **KWS Quartz x Hereford**



Tried and tested over sites and seasons KWS Zyatt remains the UK's highest yielding Group 1 with its best performances in the 2nd wheat slot.

Type	UKFM Group 1 winter wheat
AHDB recommended	UK Recommended, Listed 2017
UK treated yield (% controls)*	100
East treated yield (% controls)	99
West treated yield (% controls)	101
North treated yield (% controls)*	100
Untreated yield (% controls)*	70
Protein Milling trials (%)*	12.5
Protein All trials (%)*	11.5
HFN*	271
Specific weight (kg/hl)*	78.5

*AHDB Recommended List Winter Wheat 2026/27.



Still the highest yielding Group 1 wheat with a reputation for performance in the second cereal slot, KWS Zyatt has decreased in popularity due to its increased sensitivity to yellow rust. Nevertheless, the variety has good baking quality with excellent grain characteristics and remains suitable for UKP export. Suitable for drilling from the end of September, its stiff straw gives good performances on heavy land.

Skyfall

RAGT Seeds

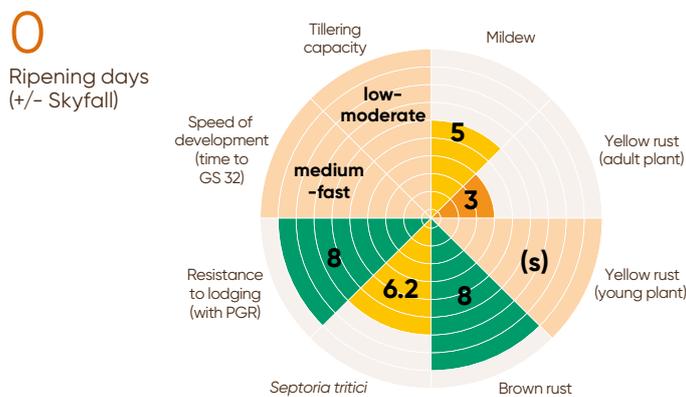
Pedigree: C1418 x Hurricane



Well-established Skyfall remains the only Group 1 wheat with OWBM resistance and a super wide sowing window, performing very well in later drilled situations.

Type	UKFM Group 1 winter wheat
AHDB recommended	UK Recommended, Listed 2014
UK treated yield (% controls)*	96
East treated yield (% controls)	96
West treated yield (% controls)	96
North treated yield (% controls)*	98
Untreated yield (% controls)*	64
Protein Milling trials (%)*	12.8
Protein All trials (%)*	11.6
HFN*	290
Specific weight (kg/hl)*	79.1

*AHDB Recommended List Winter Wheat 2026/27.



Suitable for all regions of the UK, Skyfall remains a popular choice on-farm thanks to its consistent performance across a range of soil types coupled with OWBM resistance, stiff straw and late-drill flexibility. Suitable for sowing from the end of September, the past few difficult autumns have shown the flexibility of this variety still delivering performance when drilled right through to the end of the first week in March. Like KWS Zyatt, Skyfall still has a good set of disease ratings with the exception of yellow rust that will need stringent treatment from T0 onwards to preserve yield and quality potential.

Crusoe

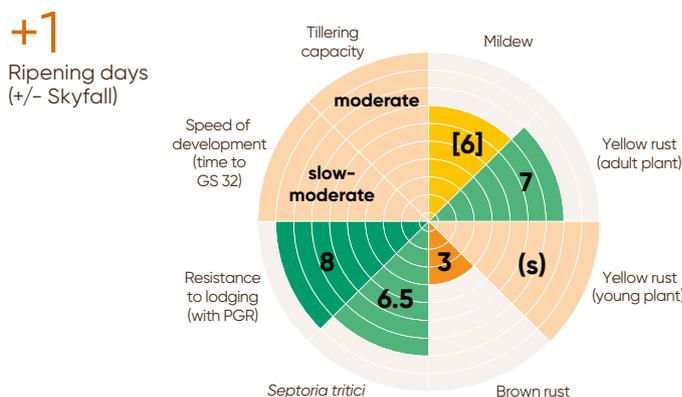
Limagrain UK

Pedigree: Cordiale x Gulliver

Still a miller favourite thanks to its continued ability to deliver consistent and reliable protein.

Type	UKFM Group 1 winter wheat
AHDB recommended	UK Recommended, Listed 2012
UK treated yield (% controls)*	95
East treated yield (% controls)	94
West treated yield (% controls)	95
North treated yield (% controls)*	94
Untreated yield (% controls)*	72
Protein Milling trials (%)*	13.3
Protein All trials (%)*	12.1
HFN*	279
Specific weight (kg/hl)*	78.4

*AHDB Recommended List Winter Wheat 2026/27.



Well understood by growers, Crusoe remains a popular choice thanks to its efficiency as a protein producer no matter the site nor the season. A short and stiff plant type, the variety is suitable for drilling from mid-September onwards to deliver reliable grain quality through to harvest. Overall reasonable disease ratings with the exception of brown rust – a score of 3 means that this will need careful monitoring and appropriate treatment throughout the growing season.

Loxton

DSV UK

Pedigree: **KWS Siskin x DSV40123**



Performs well in Warburtons grist.

Type	High-quality breadmaking wheat
AHDB recommended	Not listed
UK treated yield (% controls)*	96
East treated yield (% controls)	95
West treated yield (% controls)	97
Untreated yield (% controls)*	–
Protein Milling trials (%)*	12.3%
Protein All trials (%)*	[13.1%]
HFN*	298
Specific weight (kg/hl)*	77.3

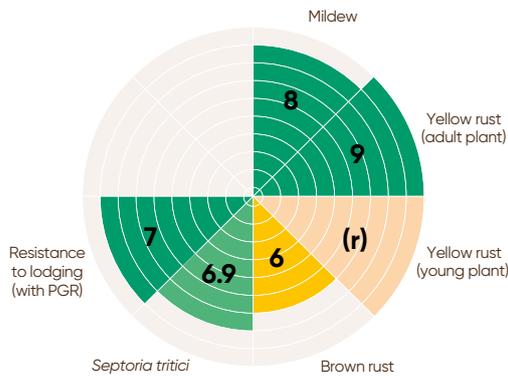
*DSV Trials

UKFM Group 2 varieties

Often used as agronomic tools on-farm, Group 2 varieties have some of the best untreated yields of varieties on the RL coupled with yield that make them competitive with the hard feed wheats. However, as Group 2 varieties they bring growers opportunities for added value markets where available. Most commonly end markets use such varieties for bread making but may have other bakery applications too; they could have specific end-use characteristics which are not suited to all grists. Consequently, these varieties are likely to attract varying premiums. Contact your local Frontier agronomist or farm trader to learn more about market opportunities in your region.

UKFM Group 2	Group 2 Spec	UKP Specification
Protein	12.5	11.0–13.0
HFN	250	250
Specific weight (kg/hl)	76	76.0
Max. moisture content (%)	15	14
Max. admix (%)	2	2
W	–	170 (min)
P/L	–	0.9 (max)

-1
Ripening days
(+/- Skyfall)



The only commercialised high quality bread making wheat, alongside Skyfall to have Orange Blossom Midge Resistance. Loxton offers a good disease package with an impressive 9 for Yellow rust and 6.9 for *Septoria tritici*. It is a medium height variety, early maturity with a score of 7 for lodging with PGR. Loxton shows good and consistent yields across the east and west regions over a range of soil types and across contrasting seasons.



KWS Arnie

KWS UK Ltd

Pedigree: **KWS Zyatt x KWS Extase**



An all-round wheat that will maximise yields whilst offering good grain quality to take advantage of added-value market opportunities where available.

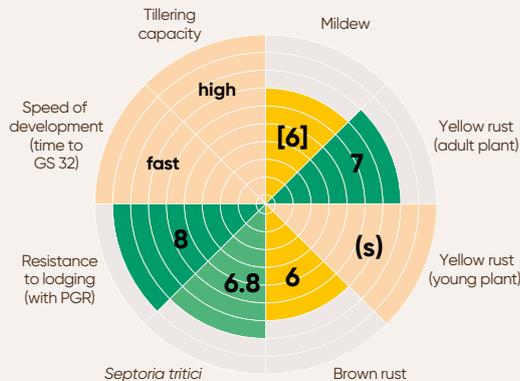
Type	UKFM Group 2 winter wheat
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	104
East treated yield (% controls)	104
West treated yield (% controls)	105
North treated yield (% controls)*	103
Untreated yield (% controls)*	87
Protein Milling trials (%)*	12.1
Protein All trials (%)*	11.0
HFN*	296
Specific weight (kg/hl)*	76.8

*AHDB Recommended List Winter Wheat 2026/27.

In its second commercial year, KWS Arnie offers growers feed wheat yields with the potential of a Group 2 premium where available. A solid agronomic package, KWS Arnie has a high untreated yield (87%) and continues the excellent *Septoria* resistance growers have come to expect from the current Group 2 stable.

-1

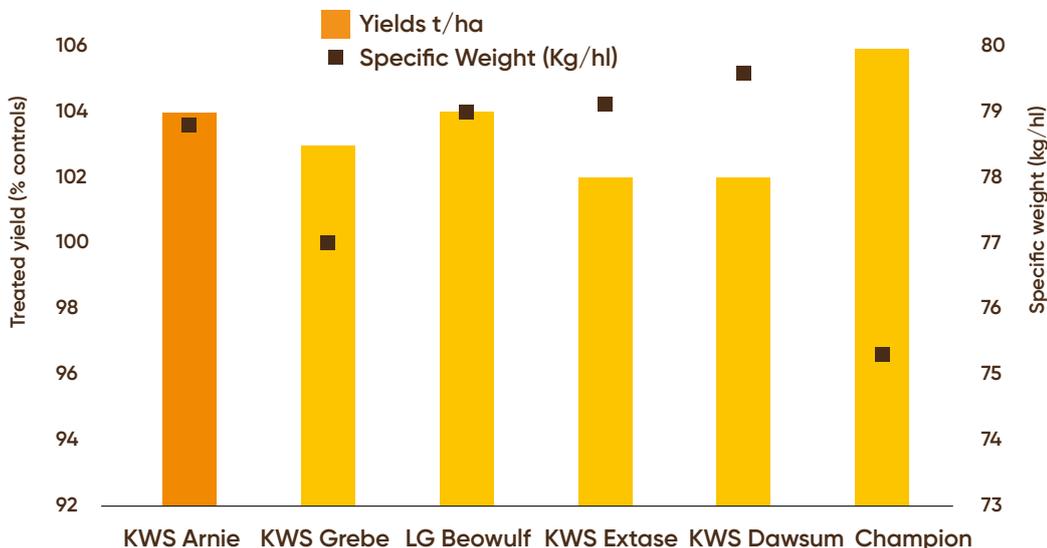
Ripening days (+/- Skyfall)



It's a fast developer in the autumn with the ability to tiller strongly, leading to a good plant stand as crops head through the spring. In addition, KWS Arnie brings one of the best combinations to yield, stem stiffness and earliness to the market today.

KWS Arnie is a Group 2, but most importantly it's still a really good wheat.

Stiffest straw with PGR (% lodging + PGR (1%-6%))



Variety icons key
Find it on page 3.

KWS Extase

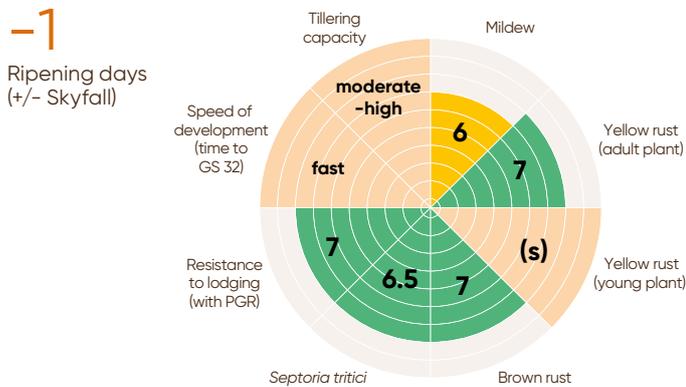
KWS UK Ltd
Pedigree: **Boisseau x Solheio**



After 7 years on-farm, Extase is still a great package for growers looking for consistency, good *Septoria* and grain quality combined.

Type	UKFM Group 2 winter wheat
AHDB recommended	UK Recommended, Listed 2019
UK treated yield (% controls)*	102
East treated yield (% controls)	102
West treated yield (% controls)	102
North treated yield (% controls)*	102
Untreated yield (% controls)*	90
Protein Milling trials (%)*	12.2
Protein All trials (%)*	11.3
HFN*	293
Specific weight (kg/hl)*	79.1

*AHDB Recommended List Winter Wheat 2026/27.



The variety that broke the mould for the link between high *Septoria* rating, yield and poor grain quality, KWS Extase continues to be a popular choice on-farm thanks to its suitability for later drilling and vigorous growth habit.

Best suited to the east and west of the UK, the variety continues to offer good yields backed by excellent resistance to *Septoria* and brown rust.

KWS Palladium

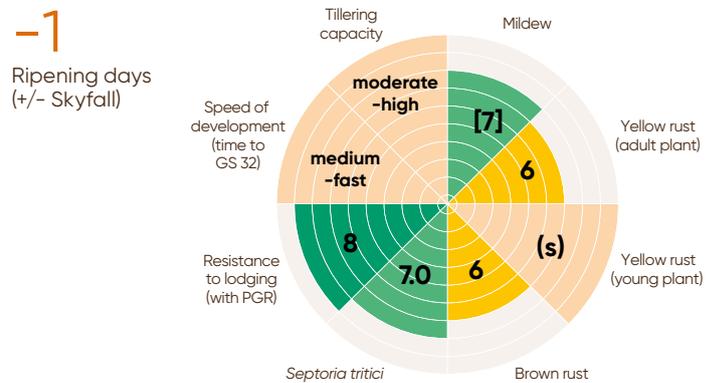
KWS UK Ltd
Pedigree: **KWS Zyatt x KWS Trinity**



A wheat that shone in the pressures of 2024 thanks to its stiff straw and very good disease resistance.

Type	UKFM Group 2 winter wheat
AHDB recommended	UK Recommended, Listed 2022
UK treated yield (% controls)*	100
East treated yield (% controls)	100
West treated yield (% controls)	101
North treated yield (% controls)*	101
Untreated yield (% controls)*	87
Protein Milling trials (%)*	12.4
Protein All trials (%)*	11.3
HFN*	316
Specific weight (kg/hl)*	77.3

*AHDB Recommended List Winter Wheat 2026/27.



Suitable for all regions in the UK, KWS Palladium can be sown from mid-September in both the 1st and 2nd wheat positions. A strong performer in the high disease year of 2024, the variety has high untreated yields which are backed up by a strong set of disease scores including 7.0 for *Septoria*, 6 for brown rust and 6 for yellow rust with seedling resistance. An early to mature variety (-1) KWS Palladium is short and stiff with great resistance to sprouting, giving growers security at harvest.

UKFM Group 3 varieties

This Group contains a unique set of wheats that the maritime climate in the UK helps growers to deliver. All are soft endosperm varieties that are suitable for a range of milling applications including biscuit and cake flours thanks to these wheats having lower proteins coupled with very extensible but not-too-elastic gluten. This balance of starch and protein also makes many of these wheats suitable for the distilling and soft wheat export markets too. Recent additions to the RL have lifted the yield of these varieties making them competitive in the feed sector too. Ask your local Frontier advisor for more information on Group 3 contracts available in your region.

UKFM Group 3	Group 3 Spec	UKS Specification
Protein	11.5	10.5-11.5
HFN	220	220
Specific weight (kg/hl)	74.0	75.0
Max. moisture content (%)	15	15
Max. admix (%)	2	2
W	-	70-120
P/L	-	0.55 (max)

KWS Solitaire

KWS UK Ltd

Pedigree: LG Sundance x Shabras



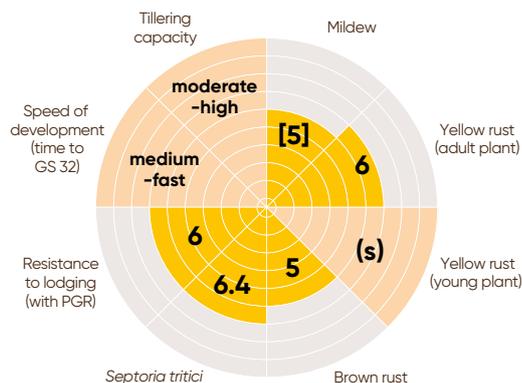
Soft wheat market leading combination of end use potential of all Group 3 markets combined with exceptional yields across the regions.

Type	UKFM Group 3 winter wheat
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	106
East treated yield (% controls)	105
West treated yield (% controls)	107
North treated yield (% controls)*	106
Untreated yield (% controls)*	87
Protein Milling trials (%)*	11.6
Protein All trials (%)*	10.6
HFN*	197
Specific weight (kg/hl)*	76.8

*AHDB Recommended List Winter Wheat 2026/27.

0

Ripening days (+/- Skyfall)



The UK's highest yielding biscuit wheat, KWS Solitaire offers growers good gross margin potential through access to biscuit, distilling, export and feed markets where available.

Good early sown performance (108% before 25th September), but growers advised to use a good PGR programme and/or delay sowing until 2-3rd week in September to reduce lodging risks. Good 1st cereal wheat yields (106%) and performance on heavy land (105%) with the added benefit of OWBM resistance.



Bamford

Elsoms Wheat Ltd

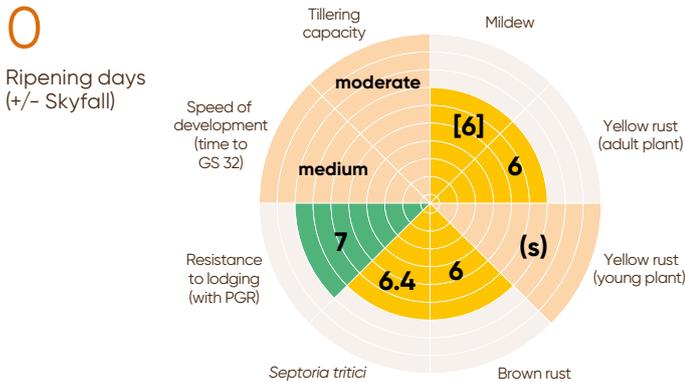
Pedigree: Moulton x EW129



Sporting the highest untreated yield of all Recommended Group 3 varieties, Bamford has a wide sowing window, being especially suited to early sowing thanks to its stiff straw and Pch1 resistance to eyespot.

Type	UKFM Group 3 winter wheat
AHDB recommended	UK Recommended, Listed 2024
UK treated yield (% controls)*	105
East treated yield (% controls)	104
West treated yield (% controls)	106
North treated yield (% controls)*	107
Untreated yield (% controls)*	89
Protein Milling trials (%)*	11.6
Protein All trials (%)*	10.7
HFN*	256
Specific weight (kg/hl)*	78.5

*AHDB Recommended List Winter Wheat 2026/27.



Bamford continues to deliver consistently high yields over the past contrasting seasons, coupled with the benefit of soft market added value opportunities for growers thanks to its excellent grain package. A good performer in both the 1st and 2nd wheat slots, Bamford has high untreated yields (89%) backed by good all-round disease resistances, including the Pch1 gene and stiff straw (twin 7s for standing) which bolsters its performance in the early sown slot.

UKFM Group 4 soft varieties

These are soft endosperm varieties that are destined for the feed market but may also have additional soft end-use opportunities such as distilling, soft milling applications and even as UKS for the export market.

Frontier have a range of premium soft markets that your Group 4 feeds could serve – contact your local agronomist or farm trader to learn more.



Sparkler

Elsoms Wheat Ltd

Pedigree: **Graham x LG Skyscraper**



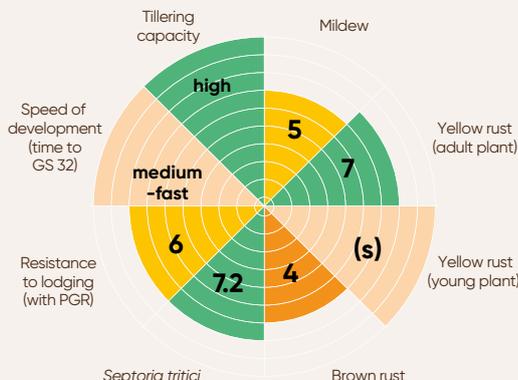
Introducing the highest yielding soft wheat on the 2026/27 Recommended List – a true gem of a variety. High yields boosted by the best combination of yellow rust and *Septoria* resistance in the soft sector along with market appeal thanks to its high rating for distilling potential

Type	Soft Group 4 winter wheat
AHDB recommended	UK Recommended, Listed 2026
UK treated yield (% controls)*	106
East treated yield (% controls)	106
West treated yield (% controls)	107
North treated yield (% controls)*	[108]
Untreated yield (% controls)*	87
Protein All trials (%)*	10.8
HFN*	11.7
Specific weight (kg/hl)*	76.7

*AHDB Recommended List Winter Wheat 2026/27.

+1

Ripening days (+/- Skyfall)



A new variety for the soft feed and distilling markets, Sparkler brings very high yield potential and gives excellent yields in the north of 108% under standard conditions, 106% on lighter soils and 108% in later sowing situations. A variety for all UK regions, Sparkler combines yield and yellow rust resistance for the east, strong yield and the highest soft *Septoria* rating for the west, and yield with end market appeal in the north. Growers are advised to watch out for eyespot (3) and make sure a good PGR programme is applied.

Sparkler – Best in class *Septoria* rating of all soft wheats

	Untreated Yield (% treated control)	Mildew	Yellow rust (seedling)	Yellow rust	Brown rust	<i>Septoria tritici</i>	Eyespot	<i>Fusarium</i>	OWBM
Sparkler	87	5	S	7	4	7.1	[3]	[6]	-
KWS Solitaire (3)	88	[5]	S	6	5	6.4	[4]	[6]	R
LG Redwald	89	[5]	S	6	7	6.1	4	6	R
Bamford (3)	89	[6]	S	6	6	6.4	6 Pch1	5	-
RGT Hexton	82	[5]	S	8	4	6.6	[4]	[6]	R

Blackstone

Elsoms Wheat Ltd

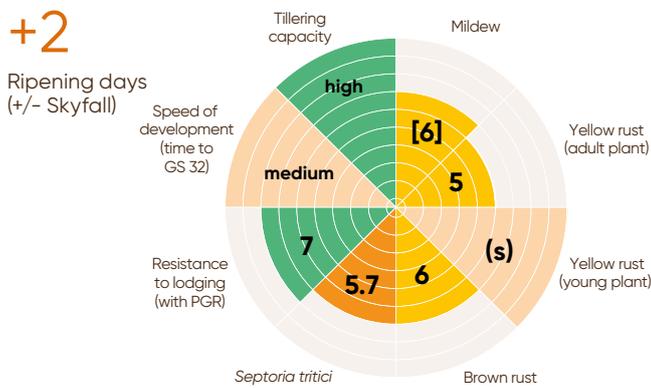
Pedigree: Panacea x KWS Tempo



A flexible soft option that allows for sowing into the spring when the weather prevents autumn drilling.

Type	Soft Group 4 winter wheat
AHDB recommended	UK Recommended, Listed 2024
UK treated yield (% controls)*	101
East treated yield (% controls)	101
West treated yield (% controls)	99
North treated yield (% controls)*	103
Untreated yield (% controls)*	82
Protein All trials (%)*	11.6
HFN*	10.7
Specific weight (kg/hl)*	78.5

*AHDB Recommended List Winter Wheat 2026/27.



Suited to the soft feed and distilling markets, Blackstone gives excellent yields in the north, on lighter soils (103%) and in later sowing (103%) situations too. A medium-tall variety with relatively stiff straw, the variety scores for 5 for yellow rust, 6 for mildew and 5.7 for *Septoria*. At a +2 maturity, Blackstone is a later maturing wheat which has the added benefit of orange wheat blossom midge (OWBM) resistance.

UKFM Group 4 hard varieties

Representing around 45% of the wheat in the ground for harvest 2026, Group 4 hard endosperm wheats are grown mainly as feed wheats but may be accepted by some end user homes for use in general-purpose grists if they achieve contractual standards. It is therefore always a good idea to choose varieties with a robust grain package for protein, HFN and specific weight. Growers should take care to avoid mixing hard and soft types in store. Contact your local Frontier agronomist or farm trader to learn more about local feed homes we can help you serve in your area.



LG Defiance

Limagrain UK

Pedigree: **KWS Extase x Gleam**



New for drilling in 2026 is LG Defiance – a hard Group 4 wheat that takes the mantle from on-farm favourite KWS Extase as the wheat with the highest untreated yield on the Recommended List.

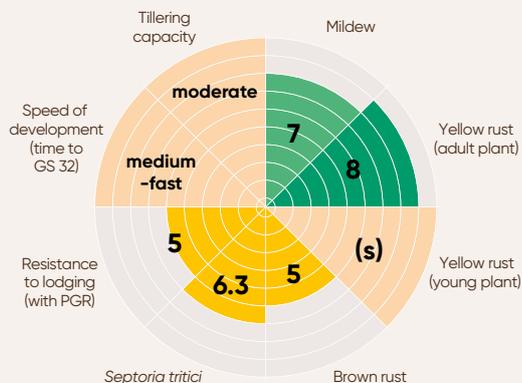
Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2026
UK treated yield (% controls)*	109
East treated yield (% controls)	108
West treated yields (% controls)	110
North treated yield (% controls)*	[109]
Untreated yield (% controls)*	95
Protein All trials (%)*	10.5
HFN*	260
Specific weight (kg/hl)*	77.0

*AHDB Recommended List Winter Wheat 2026/27.

For growers that have enjoyed success with varieties like Champion, LG Defiance takes yield on a step further with improved disease resistance. It has the highest untreated yield on the whole of the wheat Recommended List in 2026/27 (95% treated controls) and is backed by a strong set of disease scores: mildew (7), yellow rust (8), *Septoria* (6.3), eyespot (5), *Fusarium* (7), plus OWBM.

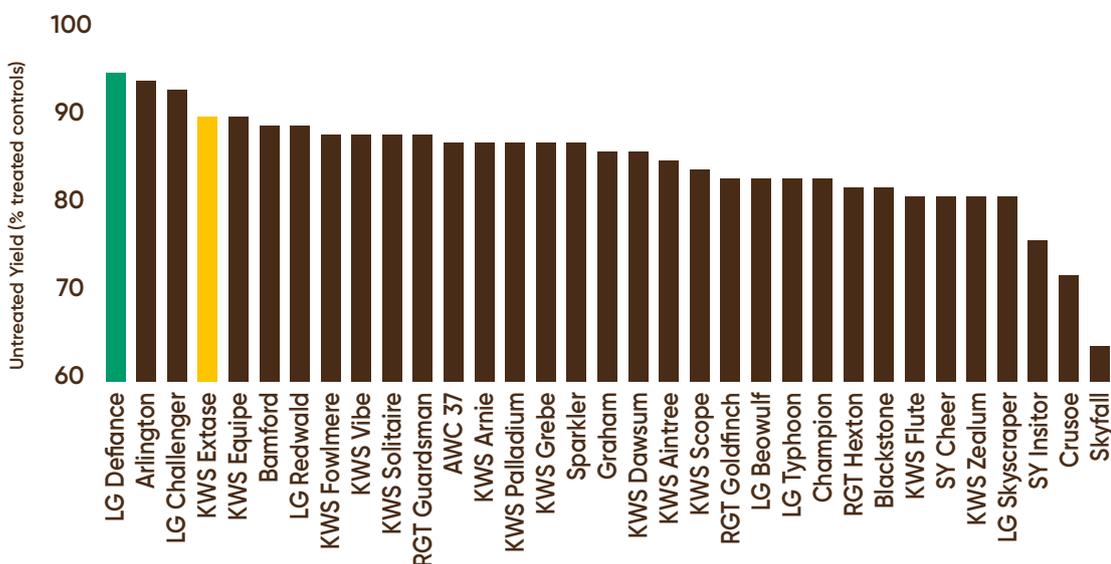
+1

Ripening days (+/- Skyfall)



A hard Group 4 wheat, it gets out of the gates early and is ideal for October drilling, so it's especially useful for growers looking for decent options to follow root crops or maize. The only watch-out is the straw (7) and standing (5). It should be sown in the same drilling window as Champion and with a good PGR programme to fulfil yield potential.

LG Defiance - The new standard in untreated yield



KWS Scope

KWS UK Ltd

Pedigree: **Informer x KWS Kinetic**



With its best performances in the west (107%), as a first cereal (106%) and in the early sown slot (108%), KWS Scope delivers yields and grain quality to growers across the UK.

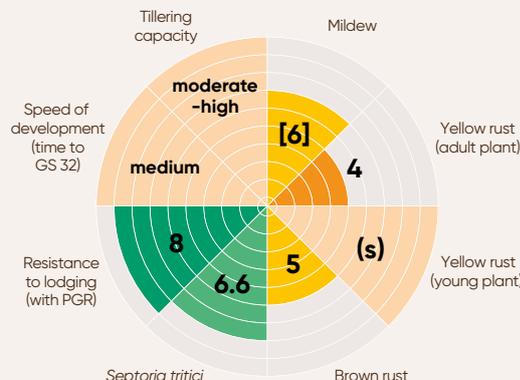
Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	106
East treated yield (% controls)	105
West treated yields (% controls)	107
North treated yield (% controls)*	105
Untreated yield (% controls)*	84
Protein All trials (%)*	10.6
HFN*	251
Specific weight (kg/hl)*	78.6

*AHDB Recommended List Winter Wheat 2026/27.

KWS Scope delivers the UK's next yield jump thanks to its novel genetics for the UK. The cross has German-bred wheat Informer as one of its parents – a successful European wheat which was tall but clean and had bread-making potential. A medium-high tillering variety, KWS Scope is a short (78cm without PGR) and stiff variety which has a similar maturity to the nation's favourite, KWS Dawsum.

+1

Ripening days (+/- Skyfall)



Disease ratings are good with a 6.6 for *Septoria*, but at a score of 4, yellow rust and eyespot will need monitoring. The variety also comes with the benefits of orange wheat blossom midge (OWBM) resistance.

KWS Scope – Head-to-head with Champion, SY Insitor, Gleam and Graham

	KWS Scope	Champion	SY Insitor	Graham	Gleam	
UK	UK Yield (% controls)	106	106	104	102	102
	2nd cereal (% controls)	105	106	107	100	103
	Excellent spec weight (kg/hl)	78.6	75.3	78.6	77.6	76.9
	Untreated yield	84	82	75	86	78
	Better lodging +PGR	8	6	7	8	7
	Early maturing	+1	0	+1	-1	0
North	Northern yields (% controls)	105	105	107	104	103
	Mildew	[6]	[5]	[6]	[6]	[6]
	Eyespot	4	4	4	4	5
	Suited to early drilling?	[[108]]	106	[106]	104	102
East and West	Very high East/West yield (% controls)	105 : 107	105 : 107	104 : 103	101 : 103	102 : 103
	Combination of YR and BR	4 : 5	4 : 5	4 : 5	8 : 5	5 : 5
	Seedling YR resistance	S	S	S	S	S
	<i>Septoria</i>	6.6	7.2	6.5	6.4	5.8
	OWBM	R	R	R	-	R

Champion

DSV UK

Pedigree: DSV20122 x Reflection

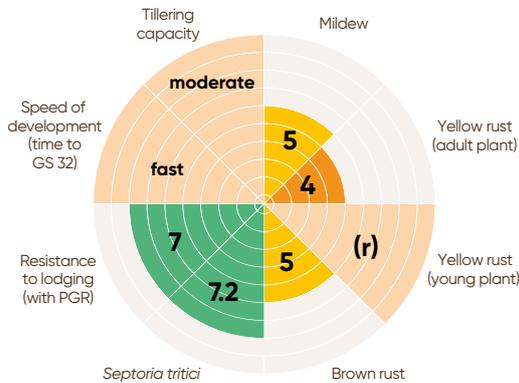


High yields with excellent *Septoria* resistance across a range of soil types with best performances in later drilled settings

Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2022
UK treated yield (% controls)*	106
East treated yield (% controls)	105
West treated yields (% controls)	107
North treated yield (% controls)*	105
Untreated yield (% controls)*	82
Protein All trials (%)*	10.9
HFN*	253
Specific weight (kg/hl)*	75.3

*AHDB Recommended List Winter Wheat 2026/27.

0
Ripening days
(+/- Skyfall)



With great performances across contrasting seasons, Champion offers growers very high yields with one of the best combinations of *Septoria*, yellow rust resistance and OWBM in the hard feed sector. A vigorous variety, it is medium height with medium-stiff straw that is best suited to later drilling and does especially well on lighter soils. Champion is relatively early to mature and has grain with good HFN, protein and average specific weight.

LG Beowulf

Limagrain

Pedigree: Costello x Gleam

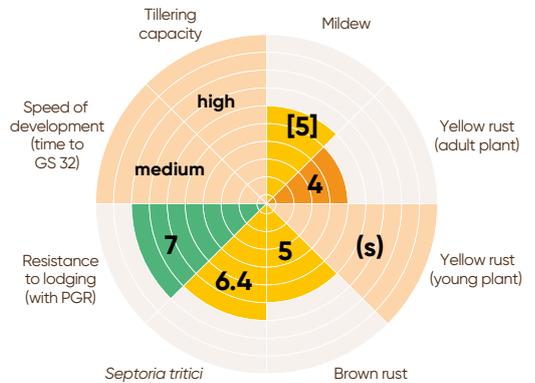


LG Beowulf offers growers yield potential in a secure agronomic package

Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2024
UK treated yield (% controls)*	104
East treated yield (% controls)	104
West treated yields (% controls)	103
North treated yield (% controls)*	107
Untreated yield (% controls)*	83
Protein All trials (%)*	11.0
HFN*	263
Specific weight (kg/hl)*	78.3

*AHDB Recommended List Winter Wheat 2026/27.

+2
Ripening days
(+/- Skyfall)



Taking the best characteristics of its parent varieties, LG Beowulf delivers high yield potential with the added benefit of stiff straw (7 and 8 for standing) and good grain. It is a flexible variety with its best performances often in second wheat and later drilled slots. LG Beowulf has a good *Septoria* score but will need attention for yellow rust and brown rust at scores of 4. A later maturing variety at +2 maturity, LG Beowulf benefits from OWBM resistance.

Variety icons key
Find it on page 3.

KWS Dawsum

KWS UK Ltd
Pedigree: **KWS Kerrin x Costello**



Still a popular variety on farm, KWS Dawsum is flexible across the rotation with good disease, stiff straw and access to a wide sowing window.

Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2022
UK treated yield (% controls)*	102
East treated yield (% controls)	102
West treated yields (% controls)	101
North treated yield (% controls)*	105
Untreated yield (% controls)*	86
Protein All trials (%)*	10.8
HFN*	312
Specific weight (kg/hl)*	79.6

*AHDB Recommended List Winter Wheat 2026/27.

Graham

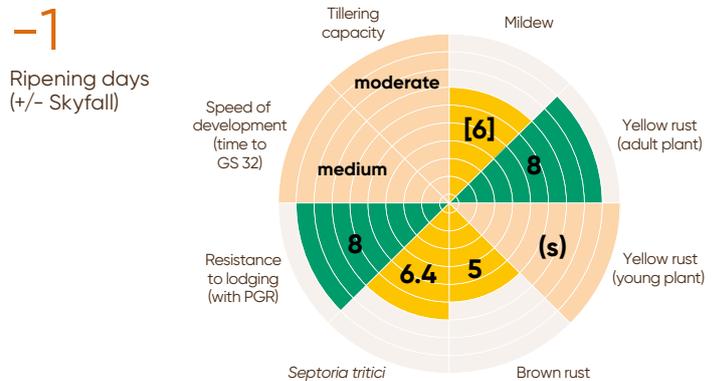
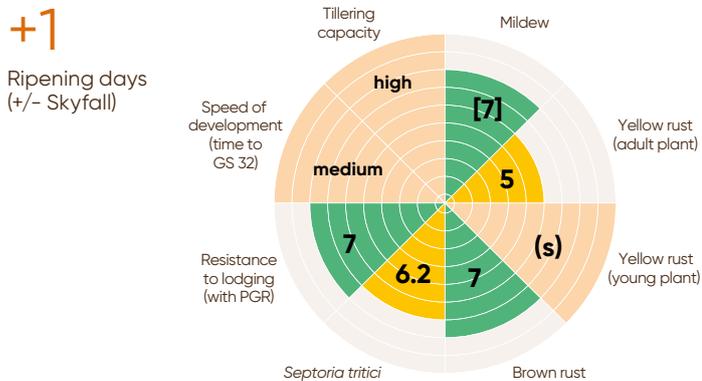
Syngenta
Pedigree: **Premio x Expert**



An on-farm favourite with a strong following in the west thanks to its stiff straw, good *Septoria* resistance and early maturity

Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2016
UK treated yield (% controls)*	102
East treated yield (% controls)	101
West treated yields (% controls)	103
North treated yield (% controls)*	104
Untreated yield (% controls)*	86
Protein All trials (%)*	11.0
HFN*	284
Specific weight (kg/hl)*	77.6

*AHDB Recommended List Winter Wheat 2026/27.



Still a popular variety on-farm, KWS Dawsum continues to deliver the highest specific weights (79.6kg/hl) combined with excellent treated and untreated yields across the regions. Good scores for *Septoria* and mildew are slightly marred by the change in susceptibility to yellow rust – now susceptible at juvenile stage and a 5 at adult stage. It's suited to earlier drilling, but growers should remember that disease scores slip the earlier the crop is sown – hence fungicide and PGR management advised.

With its best performances in the first wheat slot in the east and west, Graham's yield potential can be attributed to its good *Septoria* resistance. Suited to early drilling, Graham has a slow speed of development in the autumn then moves quite quickly in the spring with medium-high tillering capacity. Graham is a medium-tall variety with relatively stiff straw and at a -1 is early maturing.

LG Typhoon

Limagrain

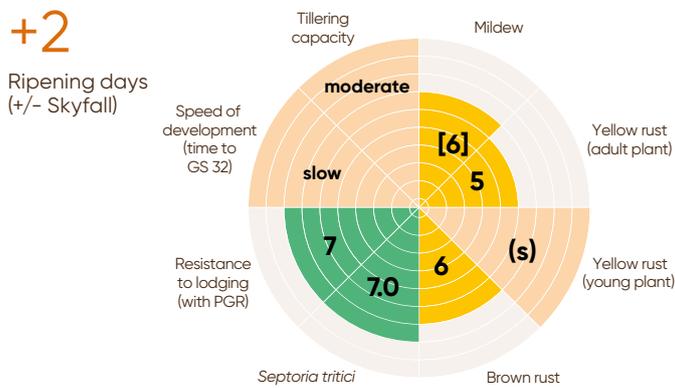
Pedigree: **Garrus x LGW88**



Amongst the pack for yield but allows growers flexibility with fungicide timings due to the strong disease package and reasonably stiff straw.

Type	UKFM Group 4, hard winter wheat
AHDB recommended	UK Recommended, Listed 2022
UK treated yield (% controls)*	100
East treated yield (% controls)	100
West treated yields (% controls)	98
North treated yield (% controls)*	102
Untreated yield (% controls)*	83
Protein All trials (%)*	10.8
HFN*	175
Specific weight (kg/hl)*	77.3

*AHDB Recommended List Winter Wheat 2026/27.



For any early drilled wheat, a strong set of disease ratings coupled with stiff straw is a pre-requisite. LG Typhoon has 7 for *Septoria* and 6 for mildew but the variety, like many others last season, has been affected by a race change and as a result yellow rust will need to be monitored carefully. Its best performances are seen when sown before 25th September, performing well on light and heavy soils or in the second wheat slot. A later maturing variety (+2), LG Typhoon can help spread workloads at harvest.



Winter Wheat 2026/27

	Scope of recommendation	Variety status	Fungicide-treated grain yield (% treated control)				Untreated grain yield (% treated control)	Disease resistance						Agronomic features									
			United Kingdom (11.1 t/ha)	East region (10.9 t/ha)	West region (11.4 t/ha)	North region (10.9 t/ha)	United Kingdom (11.1 t/ha)	Mildew (1-9)	Yellow rust (1-9)	Yellow rust (young plants)	Brown rust (1-9)	Septoria tritici (1-9)	Eyespot (1-9)	Fusarium ear blight (1-9)	Orange wheat blossom midge	Resistance to lodging without PGR (1-9)	Resistance to lodging with PGR (1-9)	Lodging without PGR (%)	Lodging with PGR (%)	Straw length without PGR (cm)	Straw length with PGR (cm)	Ripening (days +/- Skyfall)	Resistance to sprouting (1-9)
UKFM GROUP 1																							
KWS Zyatt	UK	*	100	99	101	100	70	[8]	3	s	7	6.3	7@	6	-	8	8	1	1	86	75	0	6
Arlington	UK	NEW	99	100	99	[96]	94	6	7	s	6	7.0	[6]@	[6]	R	8	8	1	1	82	71	+0	[6]
KWS Vibe	UK		97	96	98	99	88	[7]	8	s	6	6.5	6@	6	-	8	8	1	1	89	77	+1	[6]
Skyfall	UK	C	96	96	96	96	64	5	3	s	8	6.2	6@	7	R	9	8	0	2	86	76	+0	5
SY Cheer	UK		96	96	96	99	81	[7]	6	s	6	6.1	4	6	-	8	7	1	2	91	82	+1	[6]
Crusoe	UK		95	94	95	94	72	[6]	7	s	3	6.5	5	6	-	8	8	1	2	84	75	+1	7
RGT Illustrious	UK	*	94	94	95	95	81	[7]	8	s	5	6.2	6@	6	-	8	9	1	0	91	79	+1	6
UKFM GROUP 2																							
KWS Arnie	UK		104	104	105	103	87	[6]	7	s	6	6.8	5	6	-	8	8	1	1	89	80	-1	[6]
KWS Grebe	UK	NEW	103	103	103	[105]	87	6	6	s	5	6.4	[6]	[5]	R	8	8	1	1	84	75	-1	[6]
KWS Extase	UK	C	102	102	102	102	90	6	7	s	7	6.5	4	6	-	7	7	2	2	93	85	-1	7
LG Shergar	UK	*	102	101	102	104	86	[7]	6	s	6	6.4	5	6	-	8	8	1	1	82	74	+1	[6]
KWS Equipe	E&W		102	101	103	99	90	[7]	7	s	7	6.7	4	6	-	7	7	3	4	96	86	-1	[7]
KWS Palladium	UK		100	100	101	101	87	[7]	6	s	6	7.0	5	6	-	8	8	1	1	85	78	-1	6
Mayflower	UK	*	97	97	98	98	87	[7]	4	s	6	8.5	5@	6	-	6	7	4	3	90	82	-0	7
RGT Goldfinch	Sp		88	88	89	89	83	[8]	9	s	9	7.0	5	6	R	2	6	59	6	89	75	+2	[6]
UKFM GROUP 3																							
KWS Solitaire	UK		106	105	107	106	87	[5]	6	s	5	6.4	5	5	R	5	6	10	7	91	81	+0	[5]
Bamford	UK		105	104	106	107	89	[6]	6	s	6	6.4	6@	5	-	7	7	2	3	90	81	+0	[5]
KWS Flute	N		105	104	105	108	81	[4]	7	s	4	6.3	5	6	R	6	7	6	3	84	75	+1	[6]
SOFT GROUP 4																							
Sparkler	UK	NEW	106	106	107	[108]	87	5	7	s	4	7.2	[4]	[6]	-	7	6	2	7	92	80	+1	[6]
LG Redwald	E&W		106	105	107	108	89	[5]	6	s	7	6.1	4	7	R	4	5	18	17	95	87	+2	[5]
RGT Hexton	UK		103	103	102	109	82	[5]	8	s	4	6.6	5	6	R	7	7	2	3	89	79	+2	[6]
KWS Zealum	N		102	102	101	103	81	[6]	8	s	5	6.3	5	7	R	7	7	3	2	90	81	+2	[6]
Blackstone	UK		101	101	99	103	82	[6]	5	s	6	5.7	5	7	R	8	7	1	3	93	82	+2	[7]
HARD GROUP 4																							
KWS Aintree	UK	NEW	110	110	111	[109]	85	5	3	s	5	6.3	[6]	[5]	R	7	7	2	3	93	80	-0	[6]
LG Defiance	UK	NEW	109	108	110	[109]	95	7	8	s	5	6.3	[5]	[7]	R	7	5	3	10	97	87	+1	[7]
LG Challenger	UK	NEW	107	107	107	[109]	93	7	7	s	5	6.1	[5]	[7]	R	7	7	2	3	94	83	+1	[5]
KWS Fowlmere	UK	NEW	106	106	106	[108]	88	5	5	s	5	6.1	[6]	[7]	R	7	6	2	7	91	83	-2	[7]
KWS Scope	UK		106	105	107	105	84	[6]	4	s	5	6.6	4	6	R	8	8	1	1	90	78	+1	[6]
Champion	UK	C	106	105	107	105	82	[5]	4	s	5	7.2	4	6	R	7	6	3	6	89	81	+0	5
LG Beowulf	UK		104	104	103	107	83	[5]	4	s	5	6.4	6	6	R	8	7	1	2	90	79	+2	[6]
SY Insector	N		104	104	103	107	75	[6]	4	s	5	6.5	4	7	R	6	7	5	3	95	82	+1	5
RGT Guardsman	Sp	NEW	103	103	103	[104]	87	5	7	r	6	6.0	[5]	[5]	-	3	5	33	21	91	78	+1	[5]
KWS Dawsum	UK		102	102	101	105	86	[7]	5	s	7	6.2	5	7	-	8	7	1	3	85	76	+1	6
Graham	UK		102	101	103	104	86	[6]	8	s	5	6.4	4	7	-	7	8	2	2	90	79	-1	7
LG Typhoon	UK		100	100	98	102	83	[6]	5	s	6	7.0	4	6	R	8	7	2	3	87	78	+2	6
Average LSD (5%)			2.7	3.0	3.3	4.0	7.3	1.8	1.0		0.5	0.8	1.3	0.6		1.5	1.2	-	-	1.7	1.3	0.7	0.7

Main market options (The specific attributes of varieties are different, so, whenever possible, varieties should not be mixed in store)					Grain quality					Annual treated yield (% control)					Rotational position		Sowing date (most trials were sown in October)			Soil type (about 50% of trials are on medium soils)		Status in RL system					
UK bread-making	UK biscuit, cake-making	UK distilling quality	ukp bread wheat for export	uks soft wheat for export	Endosperm texture	Protein content (%)	Protein content (%) – milling spec	Hagberg Falling Number	Specific weight (kg/hl)	Chopin Alveograph W	Chopin Alveograph P/L	2021 (11.1 t/ha)	2022 (11.6 t/ha)	2023 (11.2 t/ha)	2024 (10.8 t/ha)	2025 (10.8 t/ha)	First cereal (11.3 t/ha)	Second and more (9.7 t/ha)	Early sown (before 25 Sept) (11.2 t/ha)	Late sown (after 1 Nov) (9.9 t/ha)	Latest safe-sowing date	Light soils (10.2 t/ha)	Heavy soils (11.8 t/ha)	Breeder	UK contact	Year first listed	RL status
UKFM GROUP 1																											
Y	-	-	Y	-	Hard	11.5	12.5	271	78.5	-	-	100	100	99	103	99	100	99	[100]	97	End Jan	99	100	KWS	KWS	17	*
Y	-	-	-	-	Hard	11.5	12.5	309	78.9	255	1.0	-	-	99	98	97	99	99	[[102]]	[[99]]	-	[95]	100	DSV	DSV	26	P1
Y	-	-	-	-	Hard	11.9	13.4	294	78.6	[310]	[1.1]	-	97	97	100	97	97	96	[[97]]	[97]	[End Jan]	97	97	KWS	KWS	25	P2
Y	-	-	-	-	Hard	11.6	12.8	290	79.1	[264]	[1.1]	96	95	97	96	96	96	97	95	97	End Feb	96	96	RAGT	RAGT	14	-
Y	-	-	-	-	Hard	11.6	12.8	306	79.7	[289]	[1.7]	97	97	96	95	99	97	95	[[97]]	97	End Jan	97	96	SCP	Syn	24	-
Y	-	-	Y	-	Hard	12.1	13.3	279	78.4	249	0.6	95	93	95	94	96	95	93	[97]	94	End Jan	94	94	Lim	Lim	12	-
Y	-	-	-	-	Hard	11.6	12.7	263	78.2	-	-	93	95	96	95	94	95	92	[99]	93	End Jan	95	94	R2n	RAGT	16	*
UKFM GROUP 2																											
Y	-	-	-	-	Hard	11.0	12.1	296	78.8	[232]	[1.3]	-	104	105	106	103	104	104	-	[100]	[End Jan]	103	104	KWS	KWS	25	P2
Y	-	-	[Y]	-	Hard	11.3	12.2	280	77.0	242	0.7	-	-	103	106	102	103	102	-	[[101]]	[[End Jan]]	[[102]]	102	KWS	KWS	26	P1
Y	-	-	Y	-	Hard	11.3	12.2	293	79.1	209	0.7	101	102	102	103	101	102	101	102	101	End Jan	102	102	KWSM	KWS	19	-
Y	-	-	-	-	Hard	11.0	12.1	298	80.0	[298]	[1.0]	-	102	103	103	103	102	100	[101]	[102]	[End Feb]	102	102	LimE	Lim	25	*
Y	-	-	[Y]	-	Hard	11.4	12.3	310	79.3	208	0.7	-	101	102	102	99	102	100	-	[102]	[End Jan]	100	103	KWSM	KWS	25	P2
Y	-	-	-	-	Hard	11.3	12.4	316	77.3	-	-	98	100	100	105	100	100	100	[[98]]	99	End Jan	100	100	KWS	KWS	22	-
Y	-	-	Y	-	Hard	11.5	12.7	304	79.1	212	0.8	95	96	97	103	98	98	98	101	94	End Jan	99	97	ElsW	Els	22	*
Y	-	-	-	-	Hard	11.7	12.9	288	77.5	[310]	[1.7]	-	89	88	90	89	89	87	-	[87]	[End Jan]	90	88	RAGT	RAGT	25	P2
UKFM GROUP 3																											
-	Y	H	-	[Y]	Soft	10.6	11.6	197	76.8	106	0.5	-	106	105	108	105	106	105	[108]	[104]	[End Jan]	104	105	KWS	KWS	25	P2
-	Y	M	-	Y	Soft	10.7	11.6	256	78.5	111	0.6	104	106	106	107	105	105	105	106	102	End Jan	106	104	ElsW	Els	24	-
-	Y	M	-	[Y]	Soft	10.9	12.1	217	78.0	106	0.4	-	106	105	108	105	105	106	[109]	[102]	[End Jan]	105	104	KWS	KWS	25	P2
SOFT GROUP 4																											
-	-	H	-	[Y]	Soft	10.8	11.7	226	76.7	99	0.5	-	-	106	109	107	106	107	-	[[108]]	[[End Jan]]	[106]	105	ElsW	Els	26	P1
-	-	M	-	-	Soft	10.6	11.6	171	75.5	-	-	106	106	104	108	107	106	107	103	104	Mid Feb	106	104	LimE	Lim	23	-
-	-	M	-	[Y]	Soft	10.6	11.9	247	76.4	104	0.5	-	104	105	107	103	103	106	[106]	[101]	[End Jan]	106	103	RAGT	RAGT	25	P2
-	-	M	-	-	Soft	10.5	11.8	214	76.5	-	-	101	102	101	102	103	102	[103]	103	[[104]]	End Jan	104	101	KWS	KWS	23	-
-	-	M	-	-	Soft	10.7	11.6	298	78.5	130	0.5	101	102	101	100	102	101	100	101	103	Mid Feb	103	100	ElsW	Els	24	-
HARD GROUP 4																											
-	-	-	-	-	Hard	10.4	11.3	277	78.7	-	-	-	-	110	111	110	110	109	[[110]]	[[111]]	[[End Jan]]	[109]	110	KWS	KWS	26	P1
-	-	-	-	-	Hard	10.5	11.3	260	77.0	-	-	-	-	109	111	108	109	110	-	[[108]]	[[End Jan]]	[108]	109	-	Lim	26	P1
-	-	-	-	-	Hard	10.2	11.3	295	78.6	-	-	-	-	109	108	107	107	110	[[110]]	[[106]]	[[End Jan]]	[108]	106	-	Lim	26	P1
-	-	-	[Y]	-	Hard	11.0	11.9	299	79.8	202	0.7	-	-	107	109	105	107	105	-	[[105]]	[[End Jan]]	[108]	106	KWS	KWS	26	P1
-	-	-	-	-	Hard	10.6	11.8	251	78.6	-	-	-	105	107	108	104	106	105	[[108]]	[103]	[End Jan]	104	105	KWS	KWS	25	P2
-	-	-	-	-	Hard	10.9	12.1	253	75.3	-	-	105	105	106	109	103	105	106	106	105	Mid Feb	104	106	DSV	DSV	22	-
-	-	-	-	-	Hard	11.0	12.3	263	78.3	-	-	106	105	106	103	105	105	104	103	105	End Jan	104	104	LimE	Lim	24	-
-	-	-	-	-	Hard	10.4	11.4	279	78.6	-	-	105	104	105	106	103	104	107	[106]	102	End Jan	107	102	SyP	Syn	20	-
-	-	-	-	-	Hard	10.0	10.9	246	75.8	-	-	-	103	102	105	102	106	-	[[104]]	[[End Jan]]	[[105]]	[101]	RAGT	RAGT	26	P1	
-	-	-	-	-	Hard	10.8	11.9	312	79.6	-	-	103	103	103	101	104	102	103	104	104	End Jan	105	102	KWS	KWS	22	-
-	-	-	-	-	Hard	11.0	11.9	284	77.6	-	-	102	103	102	106	102	103	100	104	101	End Jan	102	101	SyP	Syn	16	-
-	-	-	-	-	Hard	10.8	11.9	175	77.3	-	-	100	98	100	104	98	100	101	102	100	End Jan	101	99	LimE	Lim	22	-
						0.2	0.4	20.7	0.7	29.8	0.2	-	-	-	-	-	2.8	3.3	6.6	4.2		4.0	3.5				



Spring Wheat

The most widely grown type of wheat around the globe, spring or non-vernalising wheats have fallen from 20% of the UK wheat area in the 1980s to under 2% of the total UK crop coming to harvest in 2026.

Getting spring wheat off to a flying start is critical for growers to maximise yields whilst taking advantage of the higher protein levels that the crop usually produces. Getting the crop to grow away quickly will also help with grass weed suppression, whilst the right nutrition will ensure a strong crop of the right quality.

More and more frequently, drilling September onwards is hampered by the UKs weather – winter and November sown spring wheats are therefore important tools to have in hand on-farm to make the most out of your wheat rotation. Moreover, delaying drilling date remains one of the most important ways of reducing the competition from grassweeds and is important with later harvest crops like potatoes, sugar beet and maize crops in the rotation.

So, if you are looking to spring wheat to serve a quality market, help your rotations, get soils back to better structures, reduce weed burdens or simplify your crop management, then take a closer look at what the new spring wheats can offer either late autumn or spring sown.

Contact your local Frontier farm trader or agronomist to see how spring wheats can fit in your rotation this growing season.

KWS Harsum

KWS UK Ltd

Pedigree: **KWS Sywell x KWS Scirocco**



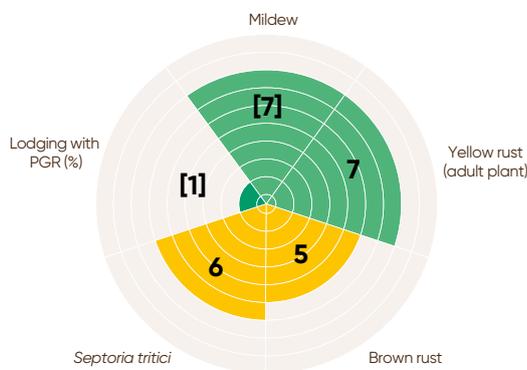
Best in class combination of yield potential, Group 1 baking performance and OWBM resistance.

Type	UKFM Group 1 spring wheat
AHDB recommended	UK Recommended, Listed 2023
UK treated yield (% controls)*	101
Protein All trials (%)*	12.8
HFN*	326
Specific weight (kg/hl)*	78.7

*AHDB Recommended List Spring Wheat 2026/27.

+1

Ripening days (+/- Mulika)



KWS Harsum is a high yielding Group 1 wheat that offers growers the best combination of high-quality breadmaking potential with high yields and OWBM resistance. This variety has lower protein than other Group 1 spring wheats, but the gluten strength is good and consistent giving the variety full Group 1 baking potential. A good all-round disease package is backed by good resistance to yellow rust (7) and OWBM resistance.

KWS Ladum

KWS UK Ltd

Pedigree: KWS Sywell x KWS Talland



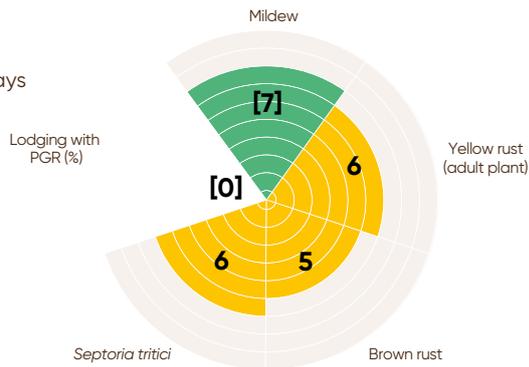
The first spring wheat to take Group 1 yields a step ahead of Mulika.

Type	UKFM Group 1 spring wheat
AHDB recommended	UK Recommended, Listed 2022
UK treated yield (% controls)*	98
Protein All trials (%)*	13.3
HFN*	330
Specific weight (kg/hl)*	78.1

*AHDB Recommended List Spring Wheat 2026/27.

0

Ripening days (+/- Mulika)



In the spring-sown slot, KWS Ladum is a massive 5% ahead of Mulika in terms of yield. Very good grain includes high proteins (13.3%), Hagberg (330) and a specific weight (78.1kg/hl) with Group 1 milling and baking performance. A good balanced disease package includes [7] for mildew, 6 for yellow rust, 5 for brown rust and a good 6 for *Septoria*. The scores for this variety are coupled with shorter straw than tried-and-tested Mulika but with similar early maturity (0).

KWS Alicium

KWS UK Ltd

Pedigree: KWS 13-21 x Astrid



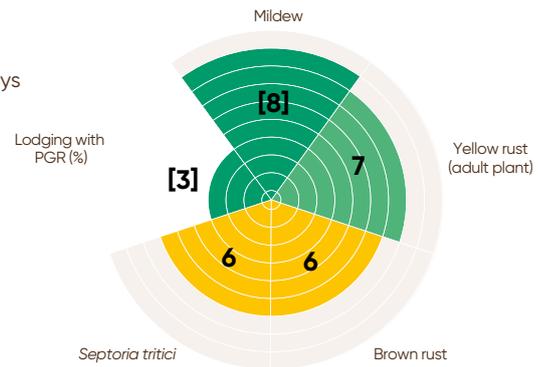
Superb grain quality with high yield potential and earliness to harvest.

Type	UKFM Group 2 spring wheat
AHDB recommended	UK Recommended, Listed 2023
UK treated yield (% controls)*	104
Protein All trials (%)*	13.1
HFN*	346
Specific weight (kg/hl)*	80.1

*AHDB Recommended List Spring Wheat 2026/27.

-2

Ripening days (+/- Mulika)



KWS Alicium is an exciting spring type because of its excellent grain quality, early maturity and potential to deliver very high yields when sown in the spring and late autumn. Its high-quality German parentage gives the variety very high protein and one of the highest specific weights on the Recommended List for spring wheat in 2026/27. An early maturing variety, KWS Alicium has shown no major agronomic weaknesses with high resistances to yellow rust and mildew combined with resistance to orange wheat blossom midge (OWBM).

Spring wheat 2026/27

	Scope of recommendation	Variety status	UK yield as % control (spring sowing)	Disease resistance							Agronomic features (spring sowing)			Grain quality (spring sowing)			Annual treated yield (% control, spring sowing)					Breeder/UK contact		Status in RL system	
				Fungicide-treated (7.2 t/ha)	Mildew (1-9)	Yellow rust (1-9)	Brown rust (1-9)	Septoria tritici (1-9)	Orange wheat blossom midge	Lodging with PGR (%)	Straw length without PGR (cm)	Ripening (days +/- Mulika)	Endosperm texture	Protein content (%)	Hagberg Falling Number	Specific weight (kg/ha)	2021 (7.8 t/ha)	2022 (7.4 t/ha)	2023 (6.9 t/ha)	2024 (8.6 t/ha)	2025 (5.2 t/ha)	Breeder	UK contact	Year first listed	RL status
UKFM GROUP 1																									
KWS Harsum	UK		101	[7]	7	5	6	R	[1]	79	1	Hard	12.8	326	78.7	102	97	[100]	[103]	[101]	KWS	KWS	23	-	
STR Pace	UK		100	[8]	5	7	[6]	-	-	80	-1	Hard	13.0	303	80.6	-	101	[106]	[98]	[99]	Str	AgV	25	P2	
KWS Ladum	UK	C	98	[7]	6	5	6	-	[0]	73	0	Hard	13.3	330	78.1	100	100	[99]	[97]	[96]	KWS	KWS	22	-	
Nissaba	UK		93	[5]	5	8	6	R	[1]	75	2	Hard	13.5	306	76.9	93	91	[97]	[94]	[90]	BA	BA	22	-	
Mulika	UK		93	[7]	6	6	6	R	[4]	78	0	Hard	14.0	319	77.0	93	96	[95]	[90]	[90]	BA	Sen	11	-	
Charland	Sp	NEW	90	6	4	7	[6]	R	-	73	-1	Hard	13.8	314	79.2	-	-	[95]	[90]	[84]	BA	BA	26	P1	
UKFM GROUP 2																									
KWS Alicium	UK		104	[8]	7	6	6	R	[3]	84	-2	Hard	13.1	346	80.1	103	104	[107]	[104]	[100]	KWSL	KWS	23	-	
KWS Bezique	UK		103	[7]	7	6	[6]	R	-	76	+1	Hard	12.8	316	78.7	-	104	[103]	[105]	[100]	KWS	KWS	25	P2	
WPB Mylo	UK		101	[8]	6	8	7	-	[1]	74	+1	Hard	12.9	303	77.2	101	100	[105]	[102]	[98]	WPB	NPZU	24	-	
HARD GROUP 4																									
Merkawa	UK	NEW	107	9	7	7	[5]	-	-	78	-1	Hard	12.2	296	77.3	-	-	[109]	[108]	[104]	HRS	Sen	26	P1	
WPB Clifden	UK	NEW	105	9	5	6	[5]	-	-	82	+0	Hard	12.3	282	78.0	-	-	[107]	[104]	[106]	WPB	Lim	26	P1	
Everlong	UK		105	[6]	8	7	6	-	[17]	79	-1	Hard	12.9	329	80.5	102	107	[107]	[102]	[107]	SE	COPE	24	-	
WPB Fraser	UK		104	[8]	8	5	[6]	-	-	80	+0	Hard	12.6	233	75.4	-	104	[108]	[102]	[106]	WPB	Lim	25	P2	
KWS Fixum	UK	*C	103	[7]	6	6	6	-	[1]	79	+2	Hard	12.9	241	77.5	103	104	[101]	[103]	[103]	KWS	KWS	22	*	
Orphelia	UK		102	[8]	7	6	[6]	-	-	77	-1	Hard	12.0	267	79.7	-	104	[105]	[102]	[97]	-	Els	25	P2	
Average LSD (5%)			3.0	2.0	0.4	0.9	0.9	-	-	2.2	1.4		0.3	19.4	0.6	4.7	4.0	5.9	5.4	5.2					

Data from AHDB Recommended List 2026/27, reproduced with thanks to the AHDB and other associations responsible.

Barley



Winter Barley

Our maritime climate helps the growers in the UK to produce some of the highest yielding winter barley crops in the world, and for many years our winter barley area has remained relatively stable.

At around 356,000 hectares planted (AHDB Provisional Early Bird Survey), harvest 2026 is expected to see another one of the smallest winter barley crops in some time as a knock-on effect of poor pricing and continued reduced areas of oilseed rape on farm.

But let's not forget all the good things that winter barley can offer – as growers focus their attention on getting the most out of OSR, winter barley remains a useful part of a successful oilseed rape rotation, adds diversity to the crop mix and in the second cereal slot has yields that challenge even the best second wheat crops. There are also the prospects for growers to consistently boost their yields with hybrid barleys whilst using that all important grass weed suppression for blackgrass control. Premium markets are available from winter malting options too.

Good reasons to grow winter barley in 2026

- There's no better entry into oilseed rape.
- Winter barley is routinely the first crop to be harvested, so it helps to spread the summer workload and give some time for cultivations for the following crop to start.
- The crop has excellent carbon credentials – given the same fertiliser regime as wheat (170–220 kg N/ha) winter barley delivers similar yields and often does better in the second cereal situations.
- Variable costs have remained relatively static compared with wheat costs, ranging from £66.91/ha in 2019 to a peak of £74.93/ha in 2023, before easing slightly to £66.47/ha in 2024.
- Fungicide timings are typically a week earlier than wheat, helping to spread the sprayer workload and reduce the pressure on wheat application timings.
- Barley straw is in demand and often has a higher sale value than wheat.
- Investment in conventional and hybrid barley breeding is bringing diverse plant types with better disease and virus resistances onto the market for growers.
- There's opportunity for some growers to access premiums available in the winter malting sector.

Winter barley drilling times

		September			October			November			December			
		Early	Mid	Late	Early	Mid	Late	Early	Mid	Late	Early	Mid	Late	
Winter barley sowing		Disease ratings and BYDV resistance key	Mainstream barley sowing						No cut-off date but yield and harvest date severely impacted					
Craft	Conventional 2-row malting	Green	Green	Green	Green	Green	Green	Blue						
Buccaneer	Conventional 2-row malting	Green	Green	Green	Green	Green	Green	Blue						
SY Kestrel	Hybrid 6-row feed	Blue	Green	Green	Green	Green	Green	Blue						
SY Barnabus	Hybrid 6-row feed		Green	Green	Green	Green	Green	Blue						
ST Quantock	Hybrid 6-row feed		Green	Green	Green	Green	Green	Blue						
Inys	Hybrid 6-row feed		Green	Green	Green	Green	Green	Blue						
SY Kingsbarn	Hybrid 6-row feed		Green	Green	Green	Green	Green	Blue						
KWS Valencis	Conventional 2-row feed		Green	Green	Green									
LG Caravelle	Conventional 2-row feed		Green	Green	Green									
Kitty	Conventional 2-row feed		Green	Green	Green									
KWS Tardis	Conventional 2-row feed		Green	Green	Green									

■ Optimum drilling date.

■ Possible drilling date but decision should be based on seed bed quality, soil temperature and weather. Note: yield and harvest date may be impacted.

Why hybrid barley is a good option for your farm

For over 20 years, barley growers in the UK have been seeing the year-on-year benefits of including a hybrid in their rotation. Hybrid barley has a different plant structure to conventional barley; hybrid vigour allows for the development of an aggressive rooting structure for better scavenging of moisture and nutrients.

This means that the plants can obtain and use nitrogen more efficiently leading to better yields, especially in the most challenging of seasons. These consistent yield benefits are also bolstered by the hybrid barley's ability to produce greater above ground biomass and so act as a grass weed suppressor – being more competitive with blackgrass than conventional winter barley or wheat, and very competitive with brome and ryegrass.



Key hybrids for 2026

The introduction of novel genetics this season adds to the advantages of hybrids over conventional barley offerings for some UK growers:

- 1** High yield stability over different seasons: as the weather becomes even more challenging and varied, hybrids typically provide excellent long-term yield stability.
- 2** Higher yields than wheat alternatives in the second cereals slot.
- 3** Flexibility around drilling – hybrids deliver their best performances when drilled later: (mid/late Oct). This helps when extreme weather events are prevalent at drilling and push drilling later.
- 4** Development of strong and deeper rooting structures – increasing the surface area that roots have to take-up nutrients and water, as well as better root anchorage.
- 5** More above ground biomass development which leads to better grassweed suppression.
- 6** Earlier maturity which can help with harvest workloads and grain logistics as well as being an ideal entry into OSR.
- 7** Additional income from high yields of straw or own-farm use for livestock bedding.
- 8** Inclusion of new functional and genetic traits such as high specific weights and BYDV resistance and WDV tolerance.



SY Barnabus

The next step in hybrid yield potential across the UK

Highest untreated yield of any hybrid barley listed in 2026

Very high specific weight (71.3 kg/hl)



Inys

Very high yield potential (107% UK)

86% controls untreated

A great all-round disease package that results in high untreated yields of 86% controls untreated



SY Quantock

A truly flexible hybrid that has shown excellent performances across a range of sites and seasons

SY Quantock has a good set of disease scores backed by good straw

SY Barnabus

Syngenta



A new hybrid with the best combination of yield potential, untreated yield performance and specific weight across all regions of the UK .

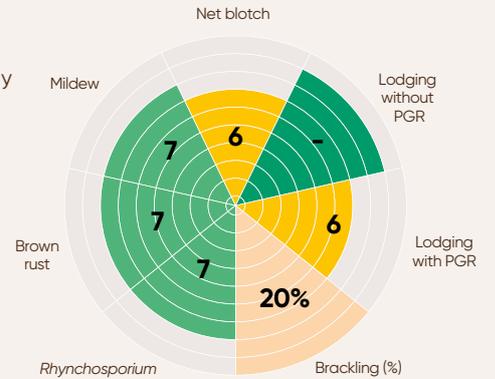
Type	Hybrid, six-row feed winter barley
AHDB recommended	UK Recommended Listed 2026
UK yield (% controls)*	108
East (% controls)*	108
West (% controls)	[109]
North (% controls)	[106]
Untreated yield (% controls)*	93
Specific weight (kg/hl)	71.3

*AHDB Recommended List Winter Barley 2026/27.

One for all professional hybrid barley growers this season, SY Barnabus brings the highest yield of any hybrid on the 2026 Recommended List but backed with excellent disease and grain characteristics. With its best performances in the east and west of the UK, Barnabus brings all the benefits of hybrid barley in an easy-to-grow package thanks to high disease scores for the key wet weather barley diseases and the benefits of a good grain package.

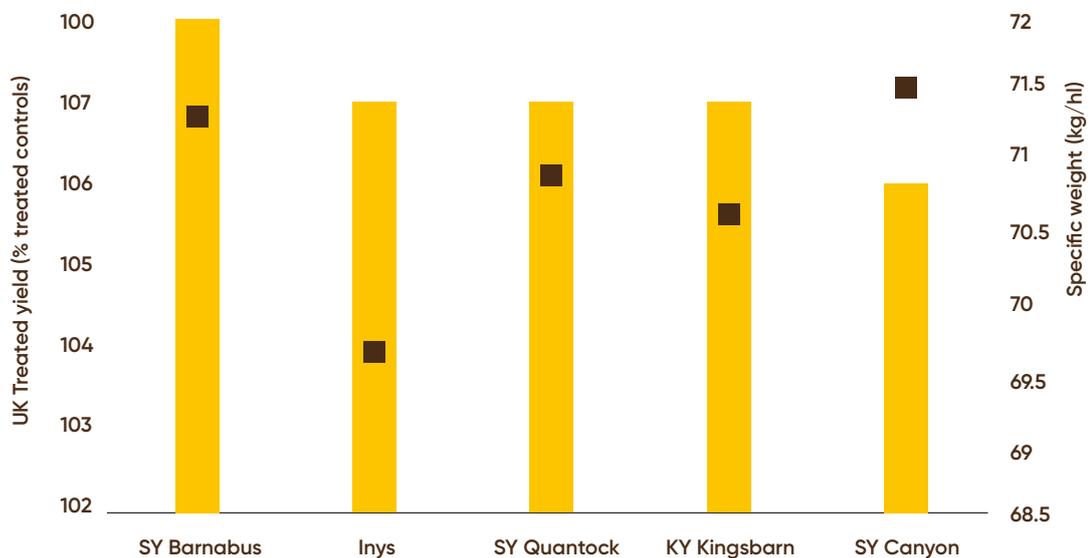
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Earliness of maturity (+/- LG Caravelle)



It's early to mature (0 days +/-LG Caravelle) and straw should be monitored to harness the true potential of this variety.

SY Barnabus – A winning mainstream hybrid combination of yield and specific weight



Inys

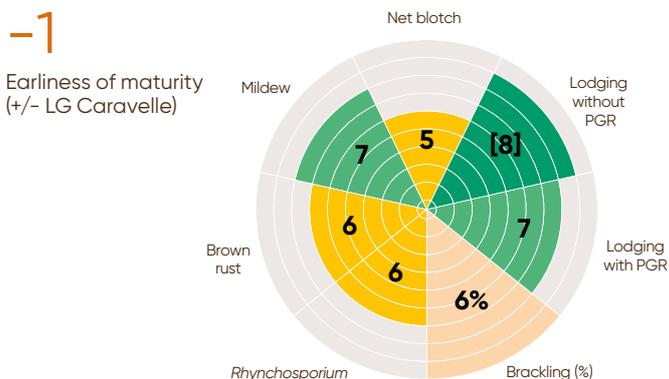
KWS UK Ltd



New genetics taking hybrid yields up a notch with super stiff, reliable straw.

Type	Hybrid, six-row feed winter barley
AHDB recommended	UK Recommended Listed 2025
UK yield (% controls)*	107
East (% controls)*	108
West (% controls)	[105]
North (% controls)	107
Untreated yield (% controls)*	86
Specific weight (kg/hl)	69.6

*AHDB Recommended List Winter Barley 2026/27.



Inys is the first six-row hybrid from KWS and was added to the Recommended List as a high yielding barley. The hybrid performs well across all the regions with its best performances to date in the east (108%). This high yield is bolstered by a great all-round disease package and super stiff straw that results in high untreated yields of 88% untreated controls. It's early to mature (-1 days +/-LG Caravelle) and has a reasonable specific weight of 69.6kg/hl.



Variety icons key

Find it on page 3.

SY Quantock

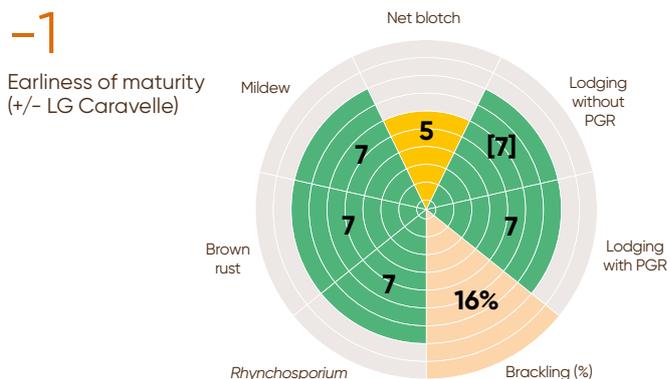
Syngenta



Super high and consistent yields across the west and north with excellent performances on more marginal land.

Type	Hybrid, six-row feed winter barley
AHDB recommended	UK Recommended Listed 2025
UK yield (% controls)*	107
East (% controls)*	106
West (% controls)	[108]
North (% controls)	107
Untreated yield (% controls)*	91
Specific weight (kg/hl)	70.9

*AHDB Recommended List Winter Barley 2026/27.



A truly flexible hybrid that has shown excellent performances across a range of sites and seasons. The highest untreated yield of the recommended hybrid barleys, SY Quantock has a good set of disease scores backed by stiffer straw and lower brackling (16%) than on-farm favourite SY Kingsbarn. A high specific weight of 70.9kg/hl completes this attractive package.

SY Kestrel

Syngenta



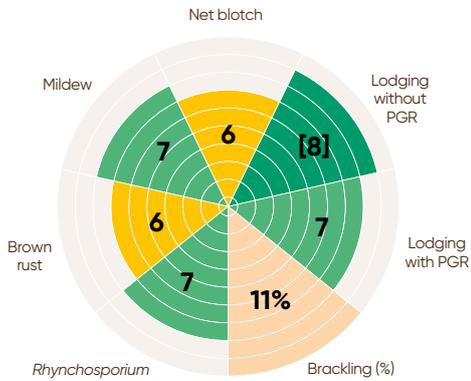
Next generation hybrid barley offering hybrid yields, stiff straw and broad-spectrum viral protection.

Type	Hybrid, six-row feed winter barley
AHDB recommended	UK Recommended for specialist use – BYDV, Listed 2025
UK yield (% controls)*	103
East (% controls)*	102
West (% controls)	[104]
North (% controls)	104
Untreated yield (% controls)*	84
Specific weight (kg/hl)	69.1

*AHDB Recommended List Winter Barley 2026/27.

0

Ripening days (+/- LG Caravelle)



SY Kestrel is an exciting new hybrid barley which brings in-built viral protection to growers offering complete resistance to BYDV (-MAV, -PAV and -RPV strains), BaYMV1 and tolerance to WDV. An ideal option for growers in high pressure BYDV hotspots, those looking to decrease insecticide usage and take advantage of SFI schemes available, or growers looking for reliable varieties to widen the drilling window of hybrid barley.

Buccaneer

Saaten Union UK



The stiff strawed high yielding brewing specialist that performs especially well in the east.

Type	Conventional, 2-row malting
AHDB recommended	UK Recommended, Listed 2023
UK treated yield (% controls)*	98
East (% controls)*	99
West (% controls)	98
North (% controls)	96
Untreated yield (% controls)*	88
Specific weight (kg/hl)	69.6

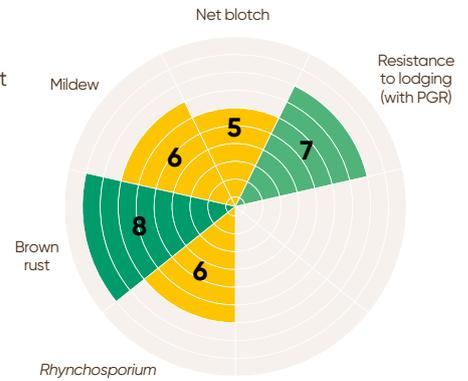
*AHDB Recommended List Winter Barley 2026/27.

92

Straw length without PGR (cm)

+1

Ripening days (+/- KWS Orwell)



Newly approved for brewing in 2024, Buccaneer brings high yields to the winter malting barley RL with its best performances being observed in the east. With good all-round agronomics, the variety has the highest untreated yields of this market sector, thanks to good disease scores including 8 for brown rust. Like many other winter malting types, Buccaneer is taller strawed but stiff strawed with good resistance to brackling (5%).

Craft

Syngenta Seeds

Pedigree: SY 208-56 x SY Venture



Consistent yields are backed by good support from end users.

Type	Conventional, 2-row malting
AHDB recommended	UK Recommended, Listed 2016
UK treated yield (% controls)*	93
East (% controls)*	92
West (% controls)	93
North (% controls)	93
Untreated yield (% controls)*	80
Specific weight (kg/hl)	70.0

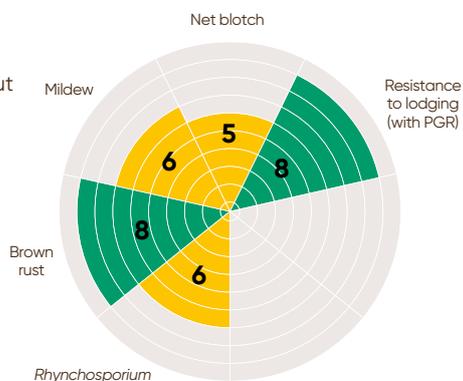
*AHDB Recommended List Winter Barley 2026/27.

99

Straw length without PGR (cm)

0

Ripening days (+/- LG Caravelle)



Tried and tested over many seasons, Craft remains the malting industry's favourite winter brewing barley thanks to its bold grain, good specific weight and high hot water extract. For growers, the variety offers consistent yields of relatively tall but stiff straw with twin 8s for standing with and without PGR. A good all-round disease package, including good resistance to brown rust (8), completes this reliable variety.



Variety icons key

Find it on page 3.

KWS Valencis

KWS UK Ltd

Pedigree: KWS Tardis x KWS Caribou



Very high yielding across all the regions with good specific weight and similar maturity to on-farm favourite KWS Orwell.

Type	Conventional, 2-row feed
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	106
East (% controls)*	106
West (% controls)	[105]
North (% controls)	105
Untreated yield (% controls)*	89
Specific weight (kg/hl)	70.3

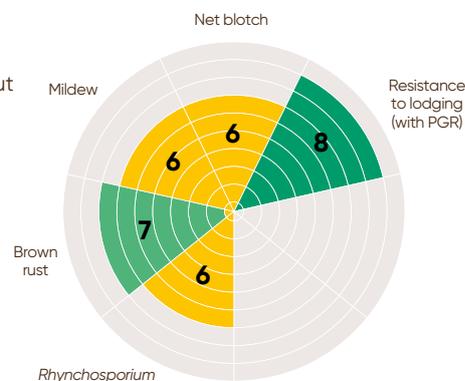
*AHDB Recommended List Winter Barley 2026/27.

95

Straw length without PGR (cm)

0

Ripening days (+/- LG Caravelle)



In its second year of commercialisation, KWS Valencis is a very high-yielding conventional two-row feed barley. KWS Valencis has shown consistent performance across the country and over the last three years with good grain characteristics. It performs particularly well on light soils (105%) and its untreated yield of 89% of controls gives it real versatility in a number of production systems. Even in the challenging year of 2024, KWS Valencis' strong untreated yield and brackling (8%) held up.

LG Caravelle

Limagrain

Pedigree: **LGBU11-5495B x KWS Moselle**



A great combination of yield and grain quality for conventional winter barley growers. One of the highest untreated yields is backed by an impressive set of disease scores including 7s for both mildew and brown rust.

Type	Conventional, 2-row feed
AHDB recommended	UK Recommended, Listed 2023
UK treated yield (% controls)*	105
East (% controls)*	107
West (% controls)	105
North (% controls)	103
Untreated yield (% controls)*	90
Specific weight (kg/hl)	71.7

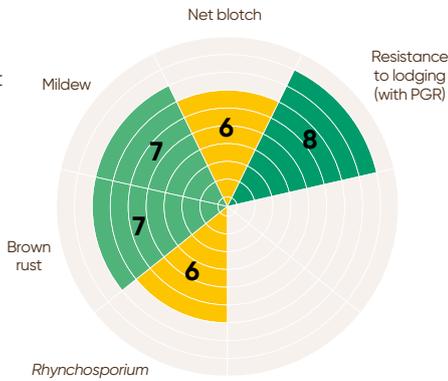
*AHDB Recommended List Winter Barley 2026/27.

93

Straw length without PGR (cm)

0

Ripening days (+/- LG Caravelle)



A consistently high yielding two-row feed for all regions of the UK, LG Caravelle offers growers one of the best specific weights on the Recommended List (71.7kg/hl) with low screenings (1.9% and 5.3% through a 2.25mm and 2.5mm sieve respectively). It performs well on light (104%) and heavy land (107%), has a strong disease package and is agronomically sound with reasonably stiff straw (7 without PGR, 8 with PGR), medium height and mid-maturity.

Kitty

Senova

Pedigree: **Valerie x LMGN3601**



A first choice, low-risk winter barley for growers (especially those in the north) thanks to superb yield potential, the highest specific weight and lowest brackling score of any winter barley on the 2026/27 Recommended List.

Type	Conventional, 2-row feed
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	103
East (% controls)*	103
West (% controls)	[101]
North (% controls)	106
Untreated yield (% controls)*	80
Specific weight (kg/hl)	73.0

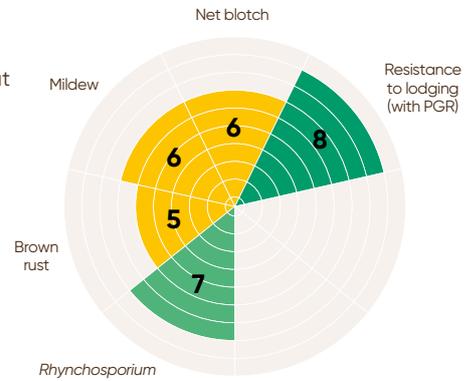
*AHDB Recommended List Winter Barley 2026/27.

95

Straw length without PGR (cm)

+2

Ripening days (+/- LG Caravelle)



Following-on from two-row feed variety Valerie, Kitty brings Rym5 resistance to winter barley growers to offer protection from both soil-borne BaYMV strains 1 and 2. In the north Kitty has huge yield potential at 106% of controls and the highest specific weight of any variety on the 2026/27 Recommended List for Winter Barley at 73.0 kg/hl with low screenings (1.5% through 2.25mm sieve). Furthermore, the variety has good resistance to lodging coupled with the lowest score of brackling in the conventional two-row feed sector (4%). Performing well across the rotation, Kitty has a maturity of +2 days compared with LG Caravelle.

KWS Tardis

KWS UK Ltd

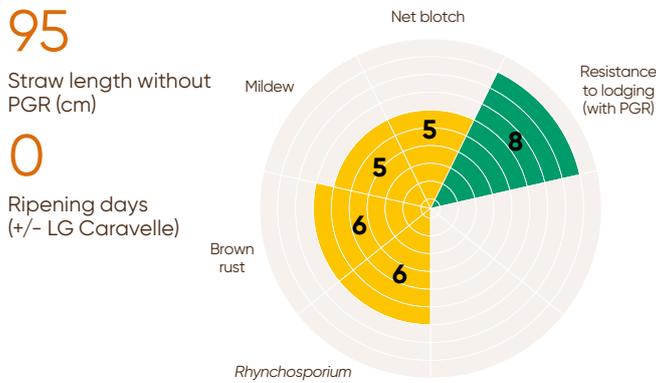
Pedigree: 11-12 x KWS Orwell



A two-row winter feed that has become a firm farm favourite thanks to its dependable yield, super stiff straw and good grain quality. Performs best on heavier land.

Type	Conventional, 2-row feed
AHDB recommended	UK Recommended, Listed 2021
UK treated yield (% controls)*	103
East (% controls)*	103
West (% controls)	101
North (% controls)	103
Untreated yield (% controls)*	84
Specific weight (kg/hl)	70.6

*AHDB Recommended List Winter Barley 2026/27.



Still a popular choice on farm, KWS Tardis is a tried and tested conventional feed that continues to perform no matter the site or season. Northern growers will be impressed by its stiff straw. Along with Kitty, this is the only two-row to have twin 8s for standing with and without PGR. In addition, KWS Tardis has an excellent disease package, boasting 6s for Rhynchosporium and brown rust and a better mildew score at 5 than its parent KWS Orwell. It's also early to mature (0 days +/- LG Caravelle) and delivers marketable grain with a very good specific weight (70.6 kg/hl) and low screenings.



Winter barley 2026/27

	Scope of recommendation	Variety status	Fungicide-treated grain yield (% treated control)				Untreated grain yield (% treated control)	Disease resistance						Agronomic features					
			United Kingdom (9.8 t/ha)	East region (9.5 t/ha)	West region (9.6 t/ha)	North region (10.8 t/ha)	United Kingdom (9.8 t/ha)	Mildew (1-9)	Brown rust (1-9)	Rhynchosporium (1-9)	Net blotch (1-9)	BaYMV2	BYDV	WDV	Resistance to lodging without PGR (1-9)	Resistance to lodging with PGR (1-9)	Lodging without PGR (%)	Lodging with PGR (%)	Straw length without PGR (cm)
TWO-RROW MALTING																			
Buccaneer	UK		98	99	98	96	88	6	8	6	5	-	-	-	7	7	10	3	97
Craft	UK	C	93	92	93	93	80	6	8	6	5	-	-	-	8	8	2	1	99
TWO-RROW FEED																			
LG Capitol	UK		106	106	105	105	89	7	7	6	5	-	-	-	7	7	4	2	91
KWS Valencis	UK		106	106	[105]	105	89	6	7	6	6	-	-	-	[7]	8	[6]	1	95
LG Caravelle	UK		105	107	105	103	90	7	7	6	6	-	-	-	7	8	4	1	93
Russo	E		104	106	[104]	101	88	5	6	5	5	-	-	-	[7]	7	[9]	3	95
NOS Olena	UK		104	105	[103]	106	86	6	6	6	6	-	-	-	[7]	8	[6]	1	95
LG Catapult	UK Sp	NEW	104	106	[104]	[101]	90	6	7	[6]	5	-	To	-	6	-	5	92	
Darcie	E	NEW	104	106	[101]	[104]	80	6	5	7	6	R	-	-	7	-	4	94	
SU Arion	E&N		103	106	[99]	103	85	8	6	6	6	-	-	-	[7]	6	[6]	4	96
Kitty	UK		103	103	[101]	106	80	6	5	7	6	R	-	-	[8]	8	[2]	1	95
KWS Tardis	UK	C	103	103	101	103	84	5	6	6	5	-	-	-	8	8	3	1	95
LG Carpenter	E&W Sp		103	104	[102]	98	91	6	7	7	6	-	To	-	[6]	6	[20]	5	100
Organa	UK Sp		102	104	[102]	[100]	90	7	8	7	4	-	To	-	[6]	7	[18]	2	106
Bolton	UK	*	101	103	100	100	86	6	7	5	5	-	-	-	8	8	3	1	93
Valerie	UK	*	99	99	97	101	70	8	4	6	6	R	-	-	8	8	3	1	95
SIX-RROW FEED																			
SY Barnabus#	UK	NEW	108	108	[109]	[106]	93	7	7	7	6	-	-	-	6	-	6	115	
Inys#	UK		107	108	[105]	107	86	7	6	6	5	-	-	-	[8]	7	[2]	2	113
SY Quantock#	UK		107	106	[108]	107	91	7	7	7	5	-	-	-	[7]	7	[6]	3	113
SY Kingsbarn#	UK	C	107	106	107	107	80	7	5	6	5	-	-	-	6	6	14	7	115
SY Canyon#	UK		106	106	105	107	90	8	6	6	5	-	-	-	6	6	14	7	117
Integral	UK Sp		105	105	[106]	102	89	4	6	6	6	-	To	-	[8]	8	[2]	1	104
SY Kestrel#	UK Sp		103	102	[104]	104	84	7	6	7	6	-	R	To	[8]	7	[3]	3	115
KWS Feeris	UK Sp	*C	102	102	103	102	83	5	6	6	6	-	To	-	8	7	2	2	103
Average LSD (5%)			2.4	3.2	4.6	3.6	4	0.9	0.9	1.2	1				1.8	1.4	-	-	3.4

Agronomic features			Main market options	Grain quality				Malting quality	Annual treated yield (% control)					Soil type (about 50% of trials are medium soils)		Breeder/ UK contact		Status in RL system	
Straw length with PGR (cm)	Brackling (%)	Ripening (days +/- KWS Orwell)		Specific weight (kg/hl)	Screenings (% through 2.25 mm)	Screenings (% through 2.5 mm)	Nitrogen content (%)		Hot water extract (l deg/kg)	2020 (9.9 t/ha)	2021 (9.9 t/ha)	2022 (10.0 t/ha)	2023 (9.9 t/ha)	2024 (10.0 t/ha)	Light soils (10.2 t/ha)	Heavy soils (8.9 t/ha)	Breeder	UK contact	Year first listed
92	5	1	F	69.6	2.2	6.6	1.64	308.1	97	98	98	98	98	97	99	Sej	SU	23	-
91	14	0	F	70	2.5	7.5	1.66	308	94	92	92	93	93	93	94	SyP	Syn	16	-
85	12	1	-	70.4	2	6.1	-	-	105	106	105	105	106	104	110	Lim	Lim	24	-
89	8	0	-	70.3	1.9	5.6	-	-	-	106	106	106	105	105	107	KWS	KWS	25	P2
86	9	0	-	71.7	1.9	5.3	-	-	104	105	105	105	105	104	107	LimE	Lim	23	-
89	17	1	-	70.2	1.9	5.4	-	-	-	104	104	104	103	102	105	NS	Agr	25	P2
87	7	1	-	70.2	2	5.9	-	-	-	105	104	105	103	106	106	NS	Sen	25	P2
84	13	0	-	70.7	2.6	8.5	-	-	-	103	104	103	103	102	105	LimE	Lim	26	P1
88	10	1	-	70.9	1.7	4.7	-	-	-	104	103	103	103	103	105	Bre	Sen	26	P1
90	28	0	-	69.2	1.5	4.1	-	-	-	103	103	102	102	104	104	Nord	SU	25	P2
87	4	2	-	73	1.5	4.2	-	-	-	104	105	103	102	103	104	Bre	Sen	25	P2
86	7	0	-	70.6	1.9	5.4	-	-	103	102	103	103	102	103	105	KWS	KWS	21	-
94	18	1	-	70.8	1.8	5.3	-	-	-	102	101	100	102	99	105	LimE	Lim	25	P2
99	19	0	-	70	2	5.7	-	-	-	103	101	102	102	100	103	NS	Sen	25	P2
85	11	0	-	69.7	1.7	5	-	-	101	102	101	101	101	102	105	Ack	EAB	21	*
88	10	0	-	71.1	1.1	2.7	-	-	98	100	100	98	100	99	100	Bre	Sen	19	*
111	20	0	-	71.3	2.8	9.6	-	-	-	-	107	108	107	108	108	SCP	Syn	26	P1
106	9	-1	-	69.6	1.8	6.2	-	-	-	107	108	106	106	108	108	SCP	KWS	25	P2
106	16	-1	-	70.9	2.6	9	-	-	-	108	108	107	106	108	108	SCP	Syn	25	P2
106	21	0	-	70.6	1.6	5.5	-	-	106	107	108	105	106	107	104	SyP	Syn	19	-
109	16	0	-	71.5	1.9	6.2	-	-	106	107	106	105	105	107	103	SyP	Syn	22	-
96	5	0	-	69.6	1.7	5.4	-	-	-	104	105	104	104	101	105	Sec	SecU	25	P2
106	11	-1	-	69.1	1.4	4.5	-	-	-	104	104	104	103	104	101	SCP	Syn	25	P2
98	16	0	-	69.2	1.8	6.3	[1.64]	[296.7]	102	103	100	103	103	102	101	KWS	KWS	22	*
1.9	-	0.7		0.7	0.6	1.6	0.09	2.2	-	-	-	-	-	4.2	5.2				

Introduction

Services

Oilseed Rape

Wheat

Barley

Oats

Rye

Pulses

Seed Treatments

Spring Barley

With the perfect climate for spring barley crop development, the UK is a significant player on the global malting and distilling stage with a reputation for high yields and high-quality grain.

As the second largest crop by area, most of the spring barley crop is destined for the malting chain, but the rotational benefits of spring barley means that some growers are using the crop as an agronomic tool destined for their local feed market.

With malting spring barley, it is crucial to know your end market and grow the variety accordingly. Your location within the UK will be a big driver for your variety and market choice – with some growers having the choice of which market to grow for.

	Brewing only	Malt distilling only	Grain distilling	Feed
UK area	270,000ha	400,000ha	10,000ha	120,000ha
Main growing locations	UK (mainly England)	Scotland, North England and East Anglia	Scotland and England	Whole UK
End use requirements*	1.6-1.75% N (1.8% N for export) 94% screenings over 2.25mm sieve England	<1.65 % N Non GN 90% screenings over 2.5mm sieve Scotland	Over 1.85% N Non GN 90% screenings over 2.5mm sieve Scotland	Good yield and high specific weight

*Always check with your local home to ensure contract specifications are well understood.

Malt distilling is the largest market for spring barley – and used to be focused in the North, but now we see significant volumes being grown and used in England too, alongside the traditional brewing and export volumes.

Choosing a dual-purpose variety (one that is approved for both brewing and malt distilling) gives growers choice on which market to grow for and may open more marketing opportunities.

At ca 10,000 ha, grain distilling is a small but specialist market primarily in Scotland, but contracts are available in some regions of England.

The final market is feed where high yields, and excellent specific weights will remain the key factors to determine the best variety choice.



Variety icons key

Find it on page 3.

Laureate

Syngenta UK Ltd

Pedigree: **Sanette x Concerto**



Accepted by all UK maltsters, Laureate is a first choice for growers looking to serve their local malt markets. Consistent combinations of high yields and quality are routinely achieved to maximise market opportunities.

Type	Conventional, 2-row spring malting barley
AHDB recommended	UK Recommended, Listed 2016
UK treated yield (% controls)*	102
East treated yield (% controls)	101
West treated yield (% controls)	104
North treated yield (% controls)*	102
Untreated yield (% controls)*	88
Specific weight (kg/hl)	68.0

*AHDB Recommended List Spring Barley 2026/27.

SY Arrow

Syngenta UK Ltd

Pedigree: **(Laureate x SY Splendor) SY Bronte**



SY Arrow brings high yields, good disease resistance and Laureate maturity to the Recommended List. Currently under macro test by UK Maltsters for both brewing and distilling, this is an exciting variety for the new growing season.

Type	Conventional, 2-row spring malting barley
AHDB recommended	UK Recommended, Listed 2025
UK treated yield (% controls)*	104
East (% controls)*	104
West (% controls)	[105]
North (% controls)	103
Untreated yield (% controls)*	86
Specific weight (kg/hl)	67.7

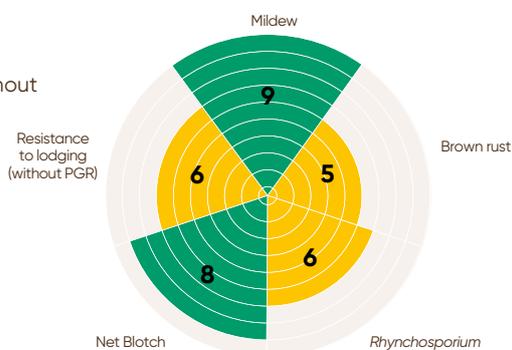
*AHDB Recommended List Spring Barley 2026/27.

69

Straw length without PGR (cm)

+1

Ripening days (+/- RGT Planet)

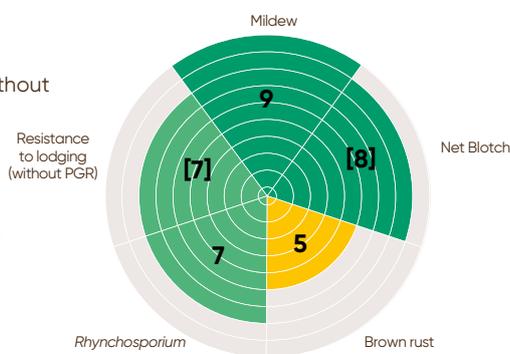


72

Straw length without PGR (cm)

+1

Ripening days (+/- RGT Planet)



Currently the most popular spring barley across the UK, Laureate has found favour in the maltings, brewery, distillery and on-farm. This dual-purpose spring malting barley has delivered consistently high yields in the north (102% controls) over contrasting seasons. Laureate also has an impressive untreated yield thanks to its good all-round disease package including scores of mildew and Rhynchosporium of 9 and 6 respectively. A shorter strawed variety (69cm), it scores a 6 for lodging but a good 7 for brackling resistance. Growers are advised to contact their local home to tailor nitrogen inputs and achieve the correct contract specification.

SY Arrow brings high yields across the UK with its best performances in the east and west (104% and 105% respectively). A good disease package includes strong resistance to both mildew (9) and net blotch (8) along with high resistance to Rhynchosporium (7). A similar plant type to Laureate but slightly earlier maturity, SY Arrow is under test with the malting industry for both brewing and distilling.



RGT Planet

RAGT Seeds

Pedigree: **Tamtam x Concerto**



Eleven years in the market, RGT Planet is a reliable brewing type with one of the highest specific weights of any listed spring barley but yields becoming out-classed on-farm.

Type	Conventional, 2-row spring malting barley
AHDB recommended	UK Recommended, Listed 2015
UK treated yield (% controls)*	96
East treated yield (% controls)	96
West treated yield (% controls)	95
North treated yield (% controls)*	97
Untreated yield (% controls)*	82
Specific weight (kg/hl)	69.5

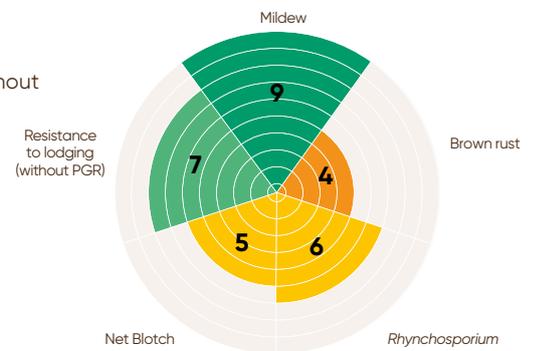
*AHDB Recommended List Spring Barley 2026/27.

72

Straw length without PGR (cm)

0

Ripening days (+/- RGT Planet)



With a reputation for consistency and reliability, RGT Planet has been the world's most widely grown brewing variety in recent times. Suited to domestic brewing and export markets, the variety has found favour thanks to its stiff straw and highest specific weight no matter the site nor season. Whilst its yields across the UK are off the pace of the newer varieties added to the RL, RGT Planet has high resistance to mildew but is more susceptible to brown rust (4).

RGT Asteroid

RAGT Seeds



With suitability to the grain distilling market, RGT Asteroid is a higher yielding alternative to Fairing.

Type	Conventional, 2-row spring malting barley
AHDB recommended	No longer listed on the RL
UK treated yield (% controls)*	103%
East treated yield (% controls)	104%
West treated yield (% controls)	102%
North treated yield (% controls)*	102%
Untreated yield (% controls)*	97%
Specific weight (kg/hl)	68.3

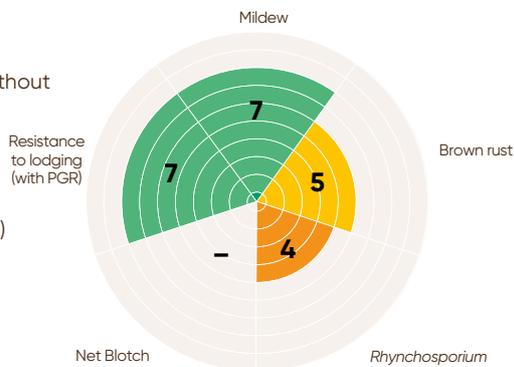
*AHDB Recommended List Spring Barley 2025/26.

73

Straw length without PGR (cm)

+1

Ripening days (+/- KWS Orwell)



No longer on the Recommended List, RGT Asteroid is a unique grain distilling spring barley that is sought after by end users due to its good quality including high DP potential. With good yields and agronomics, brown rust (4) is the only disease that will need careful monitoring.



Spring barley 2026/27

	Scope of recommendation	Variety status	Fungicide-treated grain yield (% treated control)				Untreated grain yield (% treated control)	Disease resistance				Agronomic features				Main market options	
			United Kingdom (7.8 t/ha)	East region (7.9 t/ha)	East region (7.4 t/ha)	North region (8.0 t/ha)	United Kingdom (7.8 t/ha)	Mildew (1-9)	Brown rust (1-9)	Rhynchosporium (1-9)	Net blotch (1-9)	Resistance to lodging without PGR (1-9)	Straw length without PGR (cm)	Ripening (days +/- RGT Planet)	Resistance to brackling (1-9)	MBC malting approval for brewing use	MBC malting approval for malt distilling use
APPROVED																	
Belter	UK		104	104	105	104	89	8	5	6	7	7	68	2	8	F	P
Firefoxx	UK	C	102	102	103	102	86	8	4	6	7	7	69	0	7	-	F
Laureate	UK	C	102	101	104	102	88	9	5	6	8	6	69	1	7	F	F
Skyway	UK	C	102	102	102	101	85	8	4	5	6	7	74	1	7	F	-
SY Tennyson	UK		101	101	100	101	82	8	4	5	5	7	70	2	7	F	F
LG Diablo	UK	C	98	98	97	99	82	8	4	5	7	6	71	2	7	F	F
RGT Planet	UK	C	96	96	95	97	82	9	4	6	5	7	72	0	7	F	Nt
KWS Sassy	UK		94	92	93	95	80	8	5	6	[5]	[6]	78	2	6	Nt	F
PROVISIONAL																	
Bounty	UK		105	107	105	105	84	8	4	6	7	7	69	2	7	P	-
SY Arrow	UK		104	104	[105]	103	86	9	5	7	[8]	[7]	72	1	7	P	P
Firecracker	UK		103	102	[105]	103	91	9	5	5	[8]	[7]	70	1	7	P	P
Ptarmigan	UK		103	102	[105]	103	89	9	5	6	[8]	[7]	71	0	7	P	P
LG Aquarius	UK		103	105	103	101	87	8	4	5	6	7	70	1	7	P	-
Nolan	UK	NEW	103	101	[104]	102	88	9	4	5	[8]	[6]	69	1	7	P	P
KWS Enduris	UK		102	101	[103]	102	89	8	4	6	[6]	[7]	74	1	7	P	P
Olsen	UK		102	102	101	102	86	8	4	5	6	8	70	2	7	P	P
UNDER TEST FOR MALTING																	
Trailblazer	UK	NEW	106	105	[109]	105	88	9	4	5	[7]	[8]	72	1	7	T	T
Roulette	UK	NEW	105	103	[107]	104	92	9	6	4	[6]	[6]	72	2	7	T	T
Shona	E	NEW	104	106	[103]	102	86	8	4	4	[7]	[6]	72	1	7	T	T
FEED																	
Hurler	UK	*	104	104	105	104	86	8	5	6	7	8	66	1	8	-	-
NOS Gambit	UK	*	104	104	105	103	89	8	5	6	8	7	68	1	7	Nt	-
DESCRIBED																	
CB Score	Null-Lox		100	100	100	100	85	9	5	5	8	7	70	1	7	-	-
Fairing	Gr.Dis		92	92	94	91	78	7	4	8	7	7	69	-2	7	-	-
AVERAGE LSD (5%)																	
			2.2	2.9	3.6	2.6	2.6	0.4	0.7	1.5	1.7	1.1	1.4	1	0.4		

	Grain quality				Malting quality		Annual treated yield (% control)					Breeder/UK contact		Status in RL system	
	Specific weight (kg/hl)	Screenings (% through 2.25 mm)	Screenings (% through 2.5 mm)	Nitrogen content (%)	Hot water extract (l deg/kg)	Predicted spirit yield (laa/t)	2021 (8.0 t/ha)	2022 (7.9 t/ha)	2023 (7.6 t/ha)	2024 (8.0 t/ha)	2025 (7.5 t/ha)	Breeder	UK contact	Year first listed	RL status
APPROVED															
Belter	68.4	0.9	2.2	1.48	315	437.4	104	104	103	105	105	Sec	Agr	24	-
Firefoxx	67.9	1.4	3.5	-	-	-	103	101	103	102	103	Ack	EAB	20	-
Laureate	68	1.2	3	1.45	315.2	436.2	102	101	102	103	103	SyP	Syn	16	-
Skyway	70	0.9	2.2	[1.48]	315	-	101	102	101	101	103	NS	Agr	21	-
SY Tennyson	67.1	1.3	2.9	1.4	317.2	439	103	102	98	101	101	SyP	Syn	23	-
LG Diablo	68.4	1.4	3.3	1.44	314.9	436.8	99	98	99	99	94	LimE	Lim	18	-
RGT Planet	69.5	1.2	3.3	1.48	314.5	-	95	97	96	95	97	RAGT	RAGT	15	-
KWS Sassy	69.6	1	2.2	-	-	-	94	96	94	92	-	KWS	KWS	16	-
PROVISIONAL															
Bounty	66.5	1.4	3.9	1.44	315.4	436.7	106	107	104	106	105	NS	AgV	24	-
SY Arrow	67.7	1.5	3.8	1.38	316.5	438.6	-	103	104	105	104	SyP	Syn	25	P2
Firecracker	69	1.4	3.7	1.43	317	437.7	-	104	102	104	103	Sec	SecU	25	P2
Ptarmigan	69.4	1.5	3.4	1.46	315.4	437.5	-	103	103	102	104	Sec	SecU	25	P2
LG Aquarius	69	1.3	3.7	1.42	315.1	438.7	102	104	102	103	103	Lim	Lim	24	-
Nolan	67.9	1.1	2.8	1.46	316.6	437.9	-	103	101	104	102	Sej	Sen	26	P1
KWS Enduris	67.9	1	2.6	1.45	316	435.8	-	102	102	102	103	KWSL	KWS	25	P2
Olsen	67.6	1.9	4.6	1.43	316.7	437.6	102	103	101	102	102	Sej	Lim	24	-
UNDER TEST FOR MALTING															
Trailblazer	67.7	1.1	2.9	1.39	315.8	437.8	-	-	103	104	105	SCP	Syn	25	P1
Roulette	68.8	1.2	3.2	1.45	315.9	435.6	-	-	104	102	104	Sec	Agr	25	P1
Shona	69.4	1.3	2.8	1.48	314.9	436.6	-	-	103	103	102	Sec	Agr	25	P1
FEED															
Hurler	67.1	1.5	4	[1.43]	313.6	[434.1]	105	104	103	105	105	Sec	Agr	23	*
NOS Gambit	68	0.9	2.1	1.47	314.5	-	103	104	104	104	105	NS	Sen	24	*
DESCRIBED															
CB Score	68.7	1.3	3.3	-	-	-	100	100	98	101	102	Cal	ADM	22	-
Fairing	69.7	0.9	2.3	-	-	-	92	92	91	93	93	SyP	Syn	16	-
AVERAGE LSD (5%)															
	0.6	0.3	0.8	0.05	1.9	3.8	-	-	-	-	-				



Oats

Oats

Reap the benefits of adding oats into your rotation.

We know well that whole grains play a vital part of a balanced human and animal diet and the nutritional benefits of oats are clear: they are a well-balanced source of carbohydrates and fibre whilst also having a good level of protein, vitamins and minerals.

In the field, oats offer growers a useful addition to the rotation. They can act as a semi-break from wheat and barley – importantly, their phytosanitary affect can suppress infection cycles of diseases such as eyespot. In addition, they have good weed suppression activity, have a good network of roots to boost their ability to scavenge nutrients, tolerate cold better than many other spring crops as well as requiring less nitrogen and chemistry to deliver a highly marketable crop.

We are Navara

At Navara Oat Milling we are dedicated oat millers focused on growing, sourcing and milling the best quality British oats in a sustainable way. Oats are growing in popularity as they are a nutritious and versatile food ingredient widely used in cereals, bakery and biscuit production as well as in the beverages and cosmetics sectors.

Navara is a joint venture between two experienced partners in the UK grain supply chain – namely Frontier Agriculture and Camgrain. Our expertise and relationships with farmers and customers enable us to offer support, advice and leadership in all elements of agronomy and the delivery of a high quality and consistent product range.

All Navara oats are British and meet our quality specifications as well as being produced in a sustainable manner – all our farms are within circ. 75 miles of the mill, minimising land miles and enabling us to offer our customers provenance for every oat, every day.

Our team prides itself in building strong relationships with our customers, offering support and expertise in agronomy practices, product development and technical capability, in order to deliver solutions that meet their needs and expectations.

Our milling takes place in the heart of the UK at Kettering, where our state-of-the-art production facility takes fantastic oats from our farming partners and produces a full range of oats, groats, oat flakes and flour to the individual specification required by our customers – our focus being excellence in customer service.

Winter Oats

Winter oats are adaptable and can offer growers a white straw break crop and so a take-all break.

Current best practice is not to grow oats more than one year in four to reduce the potential of viruses and pests such as oat mosaic virus and stem eelworm. Milling contractual specifications will be key in obtaining the maximum income of your oat crop so always speak with Frontier about contract terms for oats.

Cromwell

Senova UK

All the benefits of Mascani quality with added yield potential and exceptionally short and stiff straw.

Type	Winter, husked oat
AHDB recommended	UK AHDB Recommended since 2023
UK yield (% controls)*	102
Untreated yield (% controls)*	83
Specific weight (kg/hl)	54.9

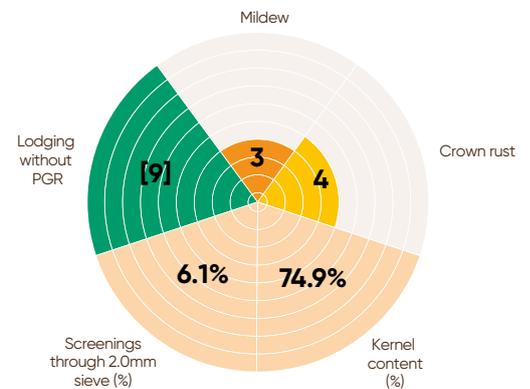
*AHDB Recommended List Winter Oats 2026/27.

110

Height without PGR (cm)

+1

Ripening days (+/- Mascani)



Yielding 7% ahead of Mascani, Cromwell brings oats growers a variety with better yields and very short and stiff straw. With excellent grain quality including a specific weight of 54.9kg/hl and moderate screenings (6.1% through 2.0mm sieve), it delivers a sample with excellent hullability in the mill. mildew and Crown rust will need attention to maximise yields.

Mascani

Senova UK

A top-quality choice for the whole of the oat supply chain – tried and tested on-farm and in the mill.

Type	Winter, husked oat
AHDB recommended	UK AHDB Recommended since 2004
UK yield (% controls)*	95
Untreated yield (% controls)*	78
Specific weight (kg/hl)	53.1

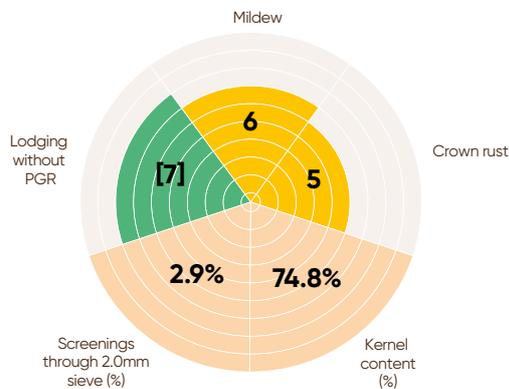
*AHDB Recommended List Winter Oats 2026/27.

133

Height without PGR (cm)

0

Ripening days (+/- Mascani)



The nation's favourite winter oat: Mascani has found favour on farm thanks to its consistency, stiff straw and good disease resistance scoring 6 and 5 for mildew and crown rust, respectively. Oat millers enjoy the benefits of the variety's high kernel content, high specific weight, bold grain and low screening losses making it the UK's leading top quality milling variety.



Winter oats 2026/27

	Scope of recommendation	Variety status	UK yield (% treated control)		Disease resistance		Agronomic features			Grain quality				Annual treated yield (% control)					Breeder/UK contact		Status in RL system	
			Fungicide-treated 9.0 t/ha	Untreated (% of treated control, 9.0 t/ha)	Mildew (1-9)	Crown rust (1-9)	Resistance to lodging without PGR (1-9)	Straw length without PGR (cm)	Ripening (days +/- Mascani)	Kernel content (%)	Specific weight (kg/hl)	Screenings (% through 2.0 mm)	Screenings (% through 1.8 mm)	2021 (8.9 t/ha)	2022 (9.5 t/ha)	2023 (9.2 t/ha)	2024 (9.3 t/ha)	2025 (8.7 t/ha)	Breeder	UK contact	Year first listed	RL status
HUSKED VARIETIES																						
RGT Southwark	UK		106	90	3	6	[5]	141	0	73.1	54.3	6.7	-	108	107	104	107	106	R2n	RAGT	18	-
Rannoch	UK	NEW	106	92	4	7	-	136	0	74.5	51.7	3.3	-	-	[103]	[104]	104	110	IBERS	Sen	26	P1
Dalguise	UK	C	103	78	4	3	[4]	138	-1	72.9	54.2	4.3	-	103	105	101	103	105	Sen	Sen	3	-
Cromwell	UK	C	102	83	3	4	[9]	110	1	74.9	54.9	6.1	-	-	100	105	103	101	IBERS	Sen	23	-
Mascani	UK	C	95	78	6	5	[7]	133	0	74.8	53.1	2.9	-	97	95	94	93	95	IBERS	Sen	4	-
NAKED VARIETIES																						
Peloton	UK		77	67	7	6	[8]	131	0	-	60.3	-	15.1	77	79	78	76	76	IBERS	Sen	17	-

Spring Oats

Versatile crops that can be planted in late autumn if conditions are suitable through to early spring.

Growers are advised to focus on drilling date to obtain contract specification terms of their crop; thanks to their rapid speed of development, earlier is better as late drilled spring oats in April are at risk of summer drought and sun.

Caledon

Saaten Union UK

A high yielding spring oat with good kernel content and super early maturity.

Type	Spring, husked oat
AHDB recommended	ADHB Recommended since 2025
UK yield (% controls)*	104
Untreated yield (% controls)*	97
Specific weight (kg/hl)	51.4

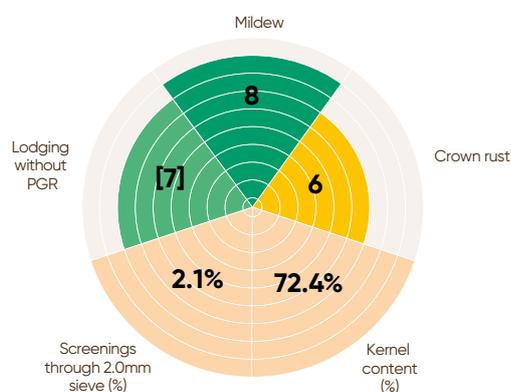
*AHDB Recommended List Winter Oats 2026/27.

[114]

Height without PGR (cm)

-1

Ripening days (+/- WPB Isabel)



Caledon is a spring oat variety that was new in 2025, offering growers the next step on from older and more established varieties like WPB Isabel. This variety also has the benefit of the highest untreated yield on the 2025/26 Recommended List backed by good disease scores for mildew (8) and crown rust (6). A taller type, Caledon is relatively stiff strawed and at a score of -1, offers growers early maturity for harvest.

WPB Isabel

KWS UK Ltd

The widest sown spring oat in the UK thanks to its excellent performance in the mill.

Type	Spring, husked oat
AHDB recommended	ADHB Recommended since 2020
UK yield (% controls)*	100
Untreated yield (% controls)*	86
Specific weight (kg/hl)	53.7

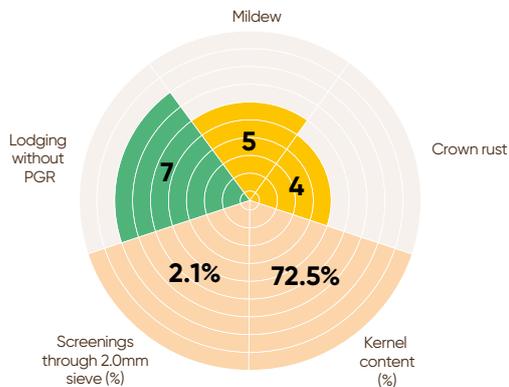
*AHDB Recommended List Winter Oats 2026/27.

114

Height without PGR (cm)

0

Ripening days (+/- WPB Isabel)



Offering processors a high specific weight, low screenings, good oils and excellent hullability, WPB Isabel has found favour as a very useable variety in the mill. On-farm, WPB Isabel is a medium-taller height variety but has good straw, gaining a score of 7 for lodging without PGR. Couple this with a good balanced disease resistance for mildew (5) and crown rust (4) and you have a very manageable oat crop that will deliver high yields.

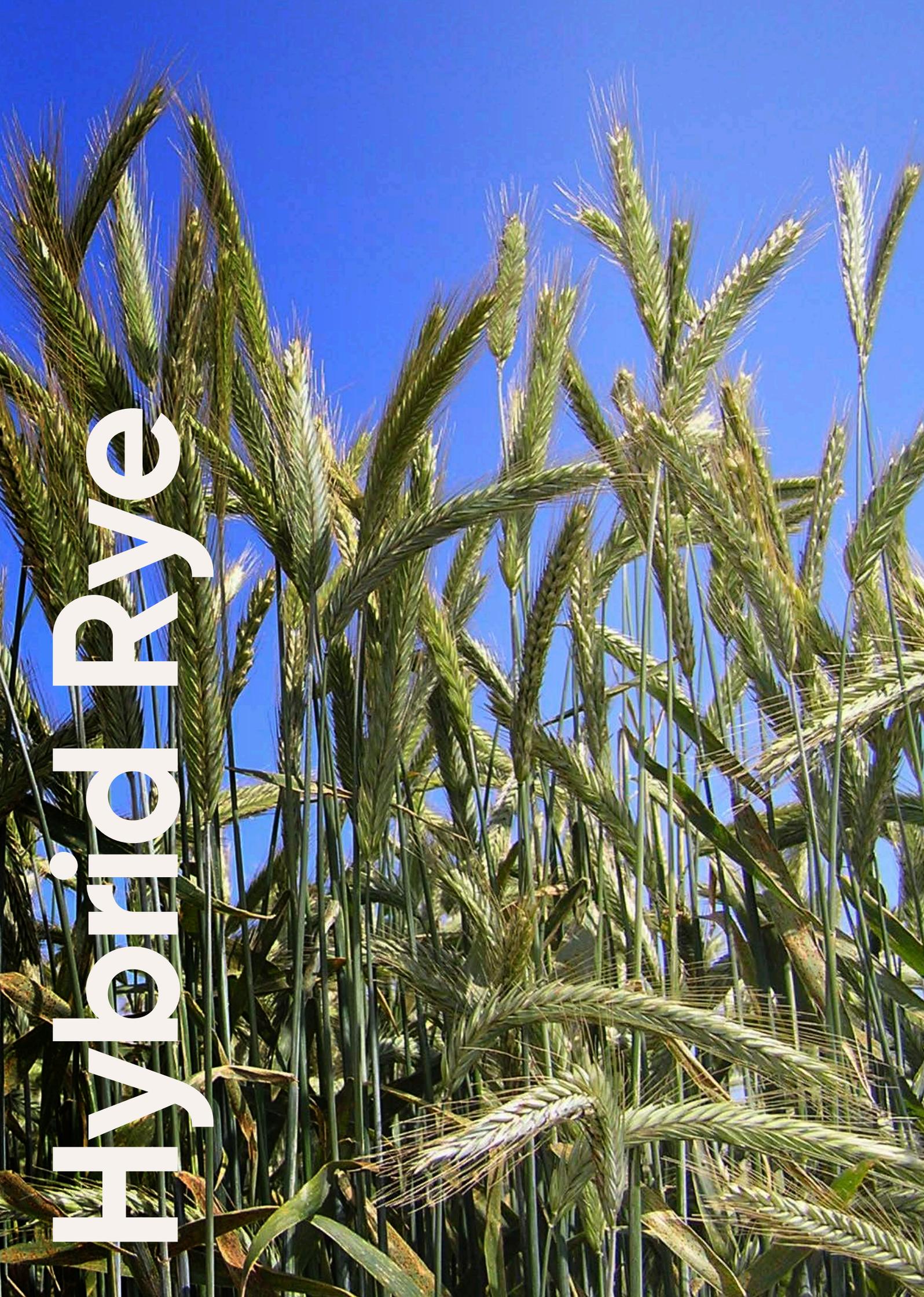


Spring oats 2026/27

	Scope of recommendation	Variety status	UK yield (% treated control)		Disease resistance		Agronomic features			Grain quality				Annual treated yield (% control)					Breeder/UK contact		Status in RL system	
			Fungicide-treated (7.5 t/ha)	Untreated (% of treated control, 7.5 t/ha)	Mildew (1-9)	Crown rust (1-9)	Resistance to lodging without PGR (1-9)	Straw length without PGR (cm)	Ripening (days +/- WPB Isabel)	Kernel content (%)	Specific weight (kg/hl)	Screenings (% through 2.0 mm)	Screenings (% through 1.8 mm)	2021 (8.0 t/ha)	2022 (8.0 t/ha)	2023 (7.5 t/ha)	2024 (8.0 t/ha)	2025 (6.8 t/ha)	Breeder	UK contact	Year first listed	RL status
HUSKED VARIETIES																						
Caledon	UK		104	97	8	6	[7]	[114]	-1	72.4	51.4	2.1	-	[103]	[108]	[103]	[101]	[105]	Nord	SU	25	P2
Jacky	UK	NEW	102	96	8	4	[7]	[119]	-1	72.9	51.2	2.6	-	-	[104]	[103]	[100]	[104]	Nord	SU	26	P1
Merlin	UK	C	101	94	7	4	7	108	-2	71.4	51.7	1.7	-	[101]	[102]	[101]	[100]	[104]	Selg	COPE	22	-
Neptun	UK	NEW	101	93	8	5	[7]	[117]	-2	74	53.9	2.2	-	-	[102]	[100]	[100]	[102]	Nord	SU	26	P1
WPB Isabel	UK	C	100	86	5	4	7	114	0	72.5	53.7	2.1	-	[100]	[98]	[102]	[100]	[99]	WPB	KWS	20	-
Asterion	UK		99	93	8	5	[7]	111	-1	72.6	52.5	3.2	-	[101]	[100]	[102]	[94]	[103]	Nord	SU	24	-
Canyon	UK	C	99	92	8	5	7	113	-2	71.3	51.9	3.1	-	[100]	[100]	[97]	[100]	[97]	Nord	SU	11	-
Conway	UK		95	84	6	5	7	104	-1	71	49.8	2.8	-	[97]	[94]	[93]	[94]	[93]	IBERS	Sen	14	-
RGT Vaughan	UK	*	93	87	8	4	[7]	110	-2	72.3	52.3	3	-	[93]	[96]	[92]	[91]	[92]	R2n	RAGT	23	*

Described																						
NAKED VARIETIES																						
Oliver	UK		71	58	3	3	7	107	-1	-	57.7	-	7	[71]	[72]	[72]	[68]	[73]	Selg	COPE	18	-
Ovation	UK	*	69	63	7	5	[6]	111	-2	-	53.5	-	14.6	[71]	[72]	[73]	[64]	[69]	IBERS	Sen	24	*
Lennon	UK		69	62	6	5	[7]	101	-2	-	56.4	-	14.4	[65]	[69]	[73]	[69]	[71]	IBERS	Sen	22	-

Year 4 Candidates																						
HUSKED VARIETIES																						
Clyde		-	100	[90]	8	[5]	-	[112]	-2	[72.2]	52.7	3.6	-	-	-	[98]	[102]	[100]	Glo	Ang	-	-
Average LSD (5%)			3.2	3.5	0.8	1.6	0.9	3.1	1.1	1.1	1	1.3	1.4	4	5.3	7.6	6.1	4.6				



Hybrid Rye

Hybrid Rye

Sizing-up the rye market

Hybrid rye can be grown for both grain and whole crop markets in the UK. Many growers will be aware of the use of grain for specialist human consumption such as Ryvita™, rye whisky, etc., but most of the UK crop is used in either pig and poultry rations or, more lately, as whole crop in AD plants. No matter the local end market you are looking to serve, picking the right variety will be critical to maximising either grain yields or gas production.

Like many hybrid cereals, hybrid rye has a strong, deep rooting system, making it suitable for light land that is drought prone, but still yields well on heavier land. This rooting system not only helps with water uptake in difficult seasons, but also nutrient scavenging. It's also a carbon-efficient crop, with a lower nitrogen requirement (typically 120-150kg/ha per hectare) than wheat or barley.

Hybrid rye is best sown between late August and mid-October taking into account your site and local conditions; care should be taken as it is especially sensitive to poor seedbeds. Once drilled the crop has excellent early vigour and will move through the growth stages quicker than many winter cereals so careful crop monitoring is required to ensure that all applications, especially PGRs, are made in a timely manner.

Rotational benefits of rye

- Higher grain yields, often outyielding wheat and barley as a second or third cereal.
- Wide drilling window (late Aug to early-Nov) spreads autumn workload.
- Relatively early harvest (after winter barley, but before wheat) – good entry for OSR (especially if whole-cropped in June).
- Around 25-30% higher straw yields than wheat or barley.
- Drought tolerance – 25% lower water requirement than winter wheat according to KWS (300 litres/t of grain versus 400 litres/t for winter wheat) – suits light land or drought-prone areas that may not yield well for wheat or barley.
- Lower risk from take-all, *Septoria*, eyespot and BYDV.
- Generally requires lower inputs than wheat or barley due to strong root system and natural disease resistance.
- In-built genetics to reduce the risk of ergot infection in some varieties using PollenPlus technology®.

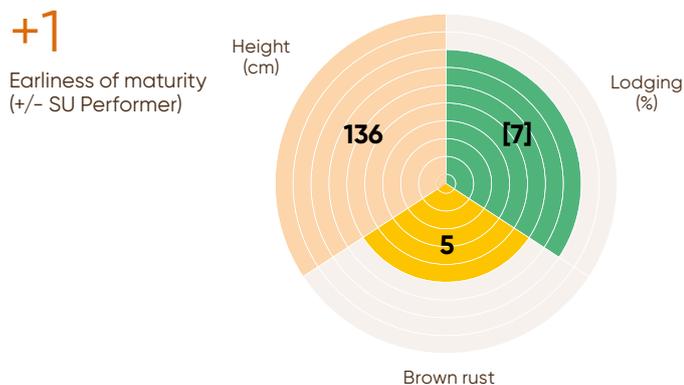
KWS Tayo

KWS UK Ltd

The UK's most widely grown hybrid rye for grain and whole crop thanks to its excellent yields, good straw and good brown rust resistance.

Type	Winter, hybrid rye
AHDB recommended	UK AHDB Described since 2022
UK yield (% controls)*	101
Protein content (%)	8.2
HFN	242
Specific weight (kg/hl)	76.0

*AHDB Winter Rye Descriptive List 2026/27.



Suited for sowing in all regions of the UK, KWS Tayo brings high yields, strong brown rust resistance and good standing power to growers. It is a multi-purpose variety and can be used in a variety of scenarios from whole crop for Anaerobic Digestion to feed for pigs and poultry and some food industry applications. KWS Tayo also has improved resistance to ergot thanks to PollenPLUS technology.

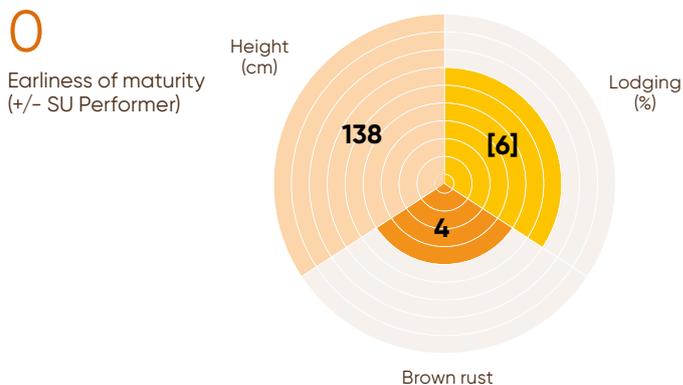
SU Perspectiv

Saaten Union

The successor to SU Performer with higher yields and earlier maturity, also under test by Ryvita.

Type	Winter, hybrid rye
AHDB recommended	UK AHDB Described since 2024
UK yield (% controls)*	101
Protein content (%)	8.4
HFN	229
Specific weight (kg/hl)	77.0

*AHDB Winter Rye Descriptive List 2026/27.



With high yields, especially in more northern regions, SU Perspectiv brings an attractive grain package with good HFNs and high specific weights. An earlier maturing variety (0), it has medium height and stiff straw.

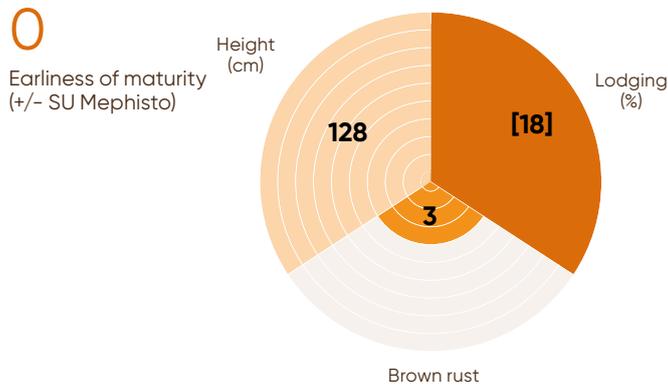
SU Mephisto

Saaten Union

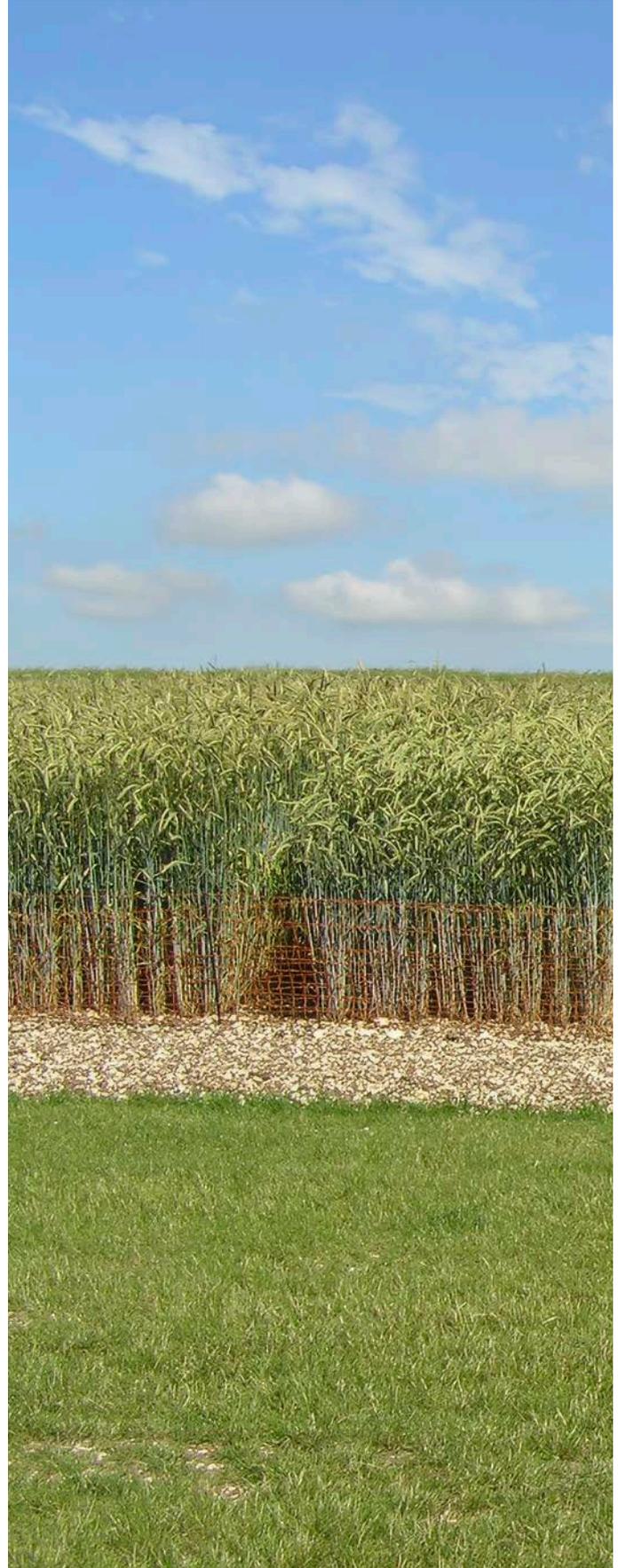
The preferred variety for rye milling, SU Mephisto continues to deliver consistent performance over sites and seasons.

Type	Winter, hybrid rye
AHDB recommended	No longer listed
UK yield (% controls)*	95
Protein content (%)	9.7
HFN	220
Specific weight (kg/hl)	76.5

*AHDB Winter Rye Descriptive List 2022/23.



The preferred variety for milling use, SU Mephisto has shown consistent yield performance across a wide range of sites. It remains unmatched for milling quality and is the preferred variety for several key rye end consumers. Mephisto is slightly more susceptible to brown rust than other varieties. It is sold as a technical mix with 10% inclusion of the variety Dukato, which serves to improve pollination and reduce ergot levels.



Winter Rye Descriptive List 2026/27

Variety	Variety status	Grain yield (as % treated control)		Disease resistance	Agronomic features			Grain quality			Breeder/UK contact		Status in RL system	
		Fungicide-treated (10.5 t/ha)	Number of trials		Brown rust (1-9)	Lodging (%)	Straw length (cm)	Ripening (days +/- SU Performer)	Protein content (%)	Hagberg Falling Number	Specific weight (kg/hl)	Breeder	UK contact	Year first listed
HYBRID														
SU Thor		105	9	5	[52]	135	0	7.9	184	76	Hybro	SU	25	P2
KWS Emphor		104	9	5	[27]	133	1	7.8	228	76.3	KWSL	KWS	25	P2
SU Baresi		103	19	4	[9]	136	0	8	219	77	Hybro	SU	22	-
SU Erling	NEW	103	6	4	[5]	134	[0]	8.7	207	77	Hybro	SU	26	P1
SU Karlsson		102	14	6	[3]	141	0	8.5	222	77.4	Hybro	SU	24	-
Astranos		102	14	4	[4]	134	0	9	184	76.6	NS	Sen	24	-
SU Perspectiv		101	14	4	[6]	137	0	8.4	229	77	Hybro	SU	24	-
KWS Tayo		101	19	5	[7]	136	1	8.2	242	76	KWSL	KWS	22	-
SU Performer	C	100	19	4	[13]	138	0	8.3	210	76.8	Hybro	SU	17	-
SU Bendix		97	18	5	[7]	139	-1	8.8	191	76.5	Hybro	SU	22	-
KWS Serafino		96	19	5	[5]	138	0	8.2	258	76.2	KWSL	KWS	21	-



Pulses



Pulses

The protein rich sustainable break crop

Unpredictable weather and cool wet conditions make growing peas and beans a challenge in the UK. But many growers will be encouraged by the performance of their crops from harvest 2024 and ready to pay attention to this growing part of the rotation.

Let's remind ourselves of the benefits leguminous crops can bring your farm:

- 1 Soil health and nitrogen fixation**
 Peas and beans are legumes, meaning they can 'fix' nitrogen in the soil through a symbiotic relationship with bacteria in their root nodules. Growing these crops can help improve soil fertility and reduce input costs.
- 2 Sustainability and carbon footprint reduction**
 Growing legumes contributes to sustainable farming practices. Since they reduce the need for synthetic fertilisers, which are energy-intensive to produce, they help lower the farm's carbon footprint. This is increasingly important as the UK aims to meet its climate targets.
- 3 Diversification of crops**
 Peas and beans offer farmers an opportunity to diversify their crop rotation. This can reduce the risk of pest and disease build-up, as well as help manage weed control.
- 4 Market demand**
 There is growing demand for plant-based proteins as consumers look for sustainable and health-conscious food choices. Beans and peas are rich in protein and fibre, making them popular in plant-based diets both for direct human consumption and for animal feed. There's also an export market to serve.
- 5 Improved yield for subsequent crops**
 Including legumes in a crop rotation can benefit future crops like cereals. By fixing nitrogen, peas and beans enrich the soil, improving yields for subsequent crops that rely on nitrogen for growth. This can lead to better overall productivity in the long term.
- 6 Support for biodiversity**
 Legume crops like peas and beans can support biodiversity by providing habitat and food for pollinators and other beneficial insects. Their root systems also promote soil structure, which enhances water retention and resilience to extreme weather events.

Peas

There are three main types of combinable peas grown in the UK:

- 1. Green peas** (also known as large blue) which are the most popular dried pea type grown in the UK for canning (for use in soups and stews) and the snack market. They are regularly micronized (roasted, cracked and rolled) for pet foods.
- 2. Yellow peas** (also known as whites) are grown for splitting, whole processing and milling processes. Whilst relatively small in area in the UK, they are the most widely produced pulse in the world.
- 3. Marrowfat peas** are used in canning (mushy peas), snack foods and as ingredients in foodstuffs. This is a premium-led market grown almost exclusively under contract.

Carrington

NPZ UK

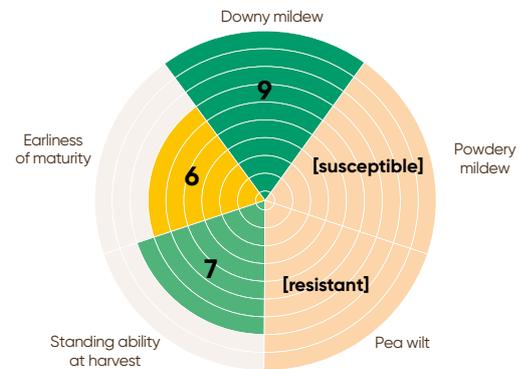
Carrington – a very high yielding green variety, combined with the highest equal downy mildew resistance for green peas, good standing power and is resistant to pea wilt.

Type	Spring green pea
PGRO Descriptive List logo for 2025	Listed since 2022
UK yield (% controls)*	104
Protein content (% as dry)	21.3
Thousand seed weight (g @15% moisture)	253

*PGRO Descriptive List 2026.

84

Straw length (cm)



A tried and tested green pea that continues to deliver excellent yields of 104% controls. An easy-to-row variety, Carrington offers growers easy crop management thanks to its taller but stiff straw and earlier maturity (6). Agronomically, it's a strong contender with good all-round disease resistance, having stiff straw and good standability through to harvest. Resistance to pea wilt and the joint highest score for downy mildew of all green types (8) along with a good thousand seed weight (253g) and protein content (21.3%) rounds off this impressive package.

Combining peas – PGRO Descriptive List 2026

The control for yield is the mean of 4 and 5 year varieties (3.81 t/ha). Yield differences of less than 11.3% are not statistically different.

	UK Agent (see appendix)	Yield as % control	Agronomic characters			Agronomic features			Seed Characters			
			Earliness of maturity(1-9)	Straw length (cm)	Standing ability at harvest(1-9)	Pea wilt (Race 1)	Downy mildew (1-9)	Powdery mildew*	Thousand seed weight (g) (@15%mc)	Protein content (%dry)	No.years in matrix	Year first listed
YELLOW(WHITE)												
KWS TelegramV1	KWS	117	5	81	7	R	6	[S]	293	21.9	3	26
Marler	Cope	113	6	89	6	R	6	[HR]	303	21.6	4	25
NOS Blondie	Elsoms	112	7	82	7	-	5	-	300	21.6	4	25
Batist	Sen	112	6	86	7	R	6	[S]	309	21.7	5	24
KWS BramV1	KWS	111	7	83	6	R	5	[S]	275	22.0	4	25
Concerto	NPZ-UK	110	6	78	7	R	7	[S]	329	22.2	4	24
BellairV2	IARA	109	5	77	7	R	5	[HR]	242	21.2	4	25
Kameleon	Sen	109	6	76	7	R	5	[S]	311	21.8	5	20
Cushla	Sen	109	6	79	7	-	7	[S]	292	21.8	3	26
LG Corvet	LUK	107	7	76	7	-	8	[S]	291	22.2	4	25
Orchestra	NPZ-UK	105	6	77	7	R	4	[S]	320	22.6	4	20
Bonham	Sen	105	6	85	6	R	6	[S]	302	22.4	4	25
LG Ajax	LUK	98	6	72	7	R	7	[HR]	277	22.6	5	23
PINK												
Flamingo	Cope	81	5	89	7	R	7	-	274	23.1	5	24
GREEN(BLUE)												
KWS Arkam	KWS	114	3	83	7	R	6	[S]	262	22.7	3	26
Pangea	NPZ-UK	111	5	82	6	R	6	[HR]	347	23.0	4	25
Mikka	IARA	105	5	87	8	R	7	[S]	309	22.5	5	21
Bullet	NPZ-UK	105	5	83	7	R	6	[S]	313	21.8	3	26
KWS Gotham	KWS	105	3	85	6	R	5	[S]	297	22.4	5	23
Carrington	NPZ-UK	104	6	84	7	R	9	[S]	253	21.3	5	22
Butterfly	NPZ-UK	102	7	80	7	R	6	[S]	305	21.3	5	23
Greenway	IARA	101	5	84	7	R	7	[S]	307	22.1	5	21
Bluetime	NPZ-UK	100	4	87	7	R	8	[S]	289	22.0	4	18
LG Mamba	LUK	99	6	79	8	-	6	-	333	20.8	3	26
LG Aviator	LUK	99	5	77	7	R	7	[HR]	292	21.9	3	20
ReacherV3	IARA	99	6	75	6	R	7	[HR]	280	21.3	4	24
Kactus	Sen	97	5	76	7	R	7	[S]	292	22.4	5	20
Daytona	Agrii	94	7	75	7	R	7	[S]	281	21.6	3	10
Prophet	LUK	76	5	72	7	R	7	[S]	299	21.6	3	07
MAPLE												
Mantara	LUK	92	6	63	7	R	8	[S]	247	23.6	3	10
Rose	Dalt	86	8	77	7	S	9	[S]	263	24.0	3	03
MARROWFAT												
Yoshi	NPZ-UK	99	6	82	7	R	4	[S]	402	21.7	3	26
Midori	NPZ-UK	99	5	91	7	R	4	[S]	372	23.1	4	25
Vision	Elsoms	96	5	75	8	R	7	[S]	378	22.8	5	24
Akooma	NPZ UK	95	5	80	7	R	4	[S]	406	22.7	4	21
Nyx	Elsoms	94	6	81	7	-	6	-	353	21.7	3	26
Takayama	NPZ-UK	91	5	85	7	R	6	[S]	355	23.3	5	23
Octavia	IARA	85	4	75	8	R	4	[S]	415	23.5	5	20
Sakura	Dalt	80	5	78	7	R	5	[S]	383	22.8	5	08

New additions may have limited seed available until production reaches commercial scale (1-9) A high rating indicates that the variety shows the character to a high degree. All varieties are semi-leafless. Downy mildew: Varietal resistance may vary in different regions as race structure of the disease changes. Pea wilt (*Fusarium oxysporum* f. sp. pisi)(race 1) R = Resistant; S = Susceptible. *Powdery mildew Trials & Breeders information - HR = High resistance, MR = Moderate resistance, S = Susceptible. V1=Breeder reported resistance to BYMV V2=Breeder reported resistance to PSbMV V3=Breeder reported resistance to PSbMV & PEMV © PGRO 2025 27.11.2025

Beans

The demand for beans continues to escalate with winter types being a good source of protein for the livestock sector, with all major farm animals having beans incorporated into their rations.

Couple this with the continued pressure to reduce the level of imported soya meal in high protein feeds and beans are a realistic alternative.

The Frontier beans pool can help you manage your market risk

Our beans pool helps growers manage market risk by putting trading decisions on a volume of their product into the hands of specialist commodity traders. At Frontier, we have a direct route into the aquaculture market via our own bean de-hulling plant in Ruddington and also work with the UK's largest exporter of human consumption beans, helping us secure exclusive end markets for our pools members.



Scan here to find out more.

Some of the biggest UK milk contracts now strongly favour the use of domestic proteins such as beans or rapeseed meal. Several feed compounders are now producing soya free rations and many beef farms are including an element of field beans in their home-mix rations. Aquaculture is the biggest growth area for UK bean demand. The total market for farmed salmon diets in Scotland and Norway is over 1.5 million tonnes, with dehulled beans now accounting for up to 11% of that total.

Frontier operates a specialist de-hulling plant at our site in Ruddington, Nottinghamshire.

We de-hull over 50,000 tonnes of beans each year for the aquaculture market. To avoid wastage, the bean skins are blended with other UK protein products to make a high energy feed pellet ideally suited for feeding young stock.

Human consumption markets

Demand for human consumption beans has generally been supplied by spring beans in recent years, due to improved quality and visual appearance of beans from spring sown varieties. This is by no means exclusive; we are always looking to buy winter beans that meet human consumption standards, are relatively low in bruchid levels, and with a nice creamy colour. We generally see this marketing opportunity early in the season, before the bulk of spring beans have been harvested in the North of England.

Vespa

Senova UK

8 years since first being listed by PGRO, Vespa still delivers consistently high yields.

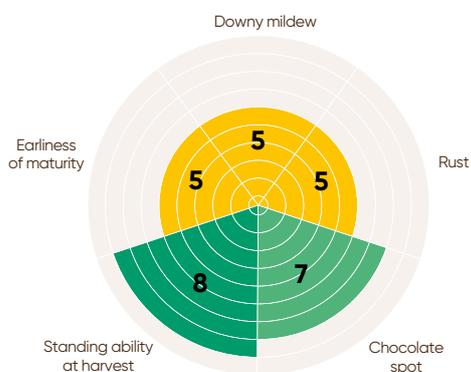
Type	Winter bean
PGRO Descriptive List status	Listed since 2018
UK yield (% controls)*	105
Protein content (% as dry)	25.4
Thousand seed weight (g @15% moisture)	689

*PGRO Descriptive List 2026.



114

Straw length (cm)



Vespa remains one of the highest yielding varieties on the PGRO Descriptive List, after consistently strong performances during the past 7 seasons. A mid-height variety, Vespa has stiff straw and most notably the best available disease resistance to chocolate spot (7).

Lynx NPZ UK

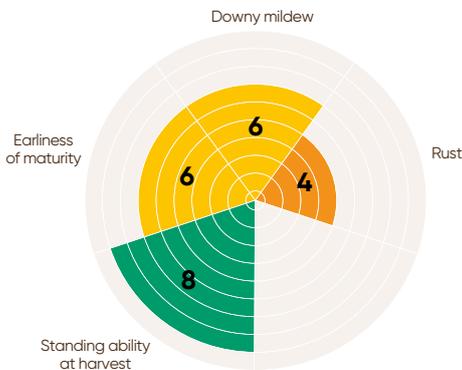
Very high yields with excellent standing and good resistance to downy mildew.

Type	Spring bean
PGRO Descriptive List logo for 2025	Listed since 2016
UK yield (% controls)*	104
Protein content (% as dry)	27.4
Thousand seed weight (g @15% moisture)	515

*PGRO Descriptive List 2026.

98

Straw length (cm)



Lynx is a tried and tested variety that has given consistently high yields over many years of service. It performs well over a range of soil types and its good stem stiffness allows for a safer harvest. It still offers growers one of the best combinations of downy mildew and rust resistance.

Callas

Saaten Union



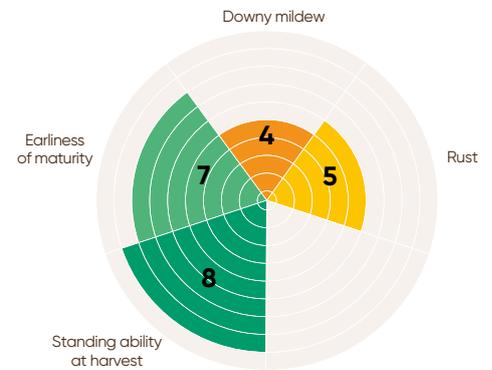
An exciting addition as the highest-yielding LVC (Low Vicine and Low Convicine) spring bean on the PGRO 2026 Descriptive List. This is a specialist type of bean that has been developed to reduce the risk of haemolytic anaemia in G6PD deficient animals and which is also used for human consumption.

Type	Spring bean
PGRO Descriptive List status	Listed since 2026
UK yield (% controls)*	103
Protein content (% as dry)	28.0
Thousand seed weight (g @15% moisture)	566

*PGRO Descriptive List 2026.

101

Straw length (cm)



New for growers in spring 2027, Callas brings one of the best combinations of yield and protein content along with the LVC trait that is becoming more popular with end users. A good plant structure with medium length straw and good standing through to harvest, Callas has medium resistance to rust (5), but at a score of 4, downy mildew will need monitoring.

Winter Beans – PGRO Descriptive List 2026

The control for yield is the mean of 4 & 5 year varieties (4.32t/ha). Yield differences of less than 8.7% are not statistically different.

	UK Agent (see appendix)	Yield as % control	Agronomic characters				Agronomic features			Seed Characters			
			Flower colour	Earliness of maturity (1-9)	Straw length (cm)	Standing ability at harvest(1-9)	Downy mildew (1-9)	Rust* (1-9)	Chocolate spot (1-9)	Thousand seed weight (g) (@15%mc)	Protein content (%dry)	No.years in matrix	Year first listed
PALE HILUM													
Vincent	Sen	106	C	5	114	8	7	4	6	795	26.5	5	21
Vespa	Sen	105	C	5	114	8	5	5	7	689	25.4	5	18
LG Arctic	LUK	100	C	5	114	8	5	5	5	684	26.2	5	24
Miro	Sen	100	C	6	106	8	3	5	[7]	699	26.1	4	25
Patagonia	NPZ-UK	98	C	8	117	8	8	5	[5]	615	27.2	3	26
Norton	Sen	97	C	6	106	8	6	5	5	692	25.8	5	21
Ninja	Sen	96	C	7	105	8	5	5	5	684	27.2	4	24
Hepworth	Sen	96	C	4	108	8	5	6	[4]	749	24.7	3	26
Tundra	LUK	91	C	6	104	8	5	5	5	618	26.0	5	14

New additions may have limited seed available until production reaches commercial scale (1-9) A high rating indicates that the variety shows the character to a high degree. The scales of characters of winter beans do not necessarily correspond with those for spring beans. [] - limited data
© PGRO 2025 27.11.2025

Spring Beans – PGRO Descriptive List 2026

The control for yield is the mean of 4 and 5 year varieties (4.21 t/ha). Yield differences of less than 6.7% are not significantly different.

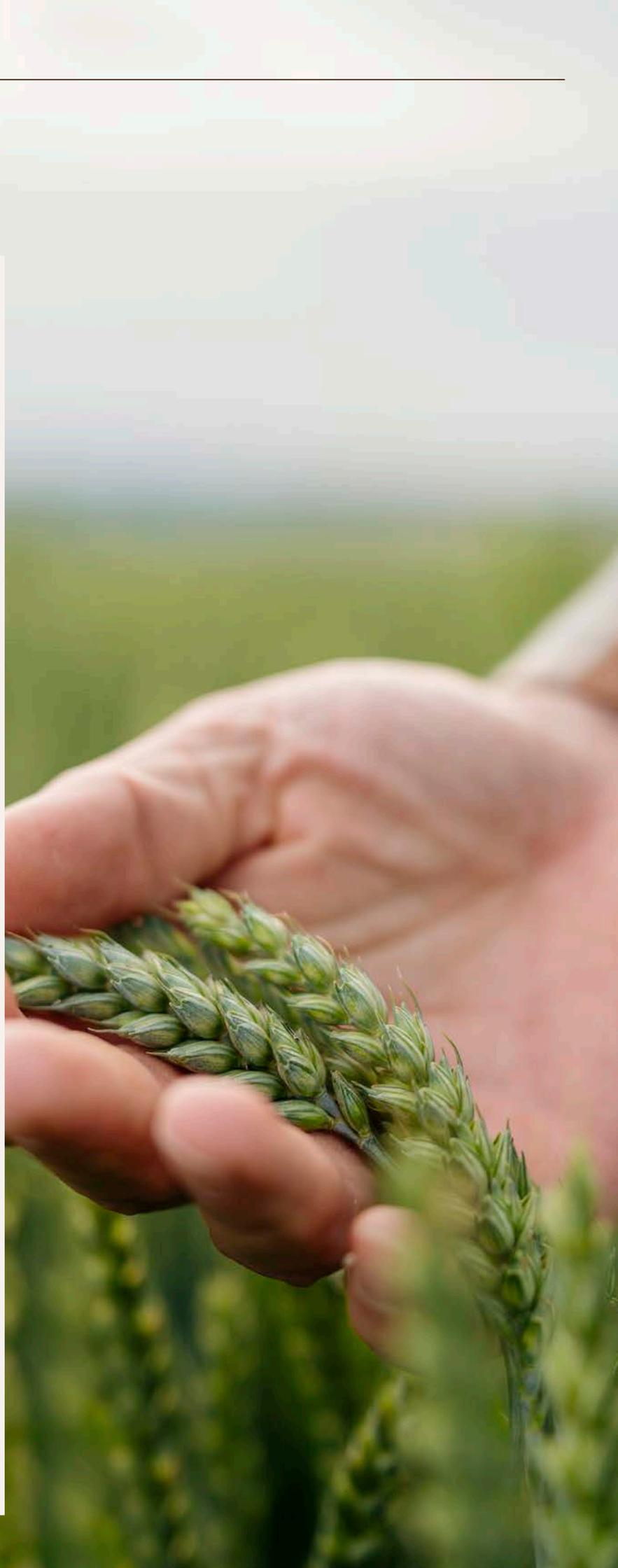
	UK Agent (see appendix)	Yield as % control	Agronomic characters				Agronomic features		Seed Characters				
			Flower colour	Earliness of maturity (1-9)	Straw length (cm)	Standing ability at harvest(1-9)	Downy mildew (1-9)	Rust* (1-9)	Thousand seed weight (g) (@15%mc)	Protein content (%dry)	No.years in matrix	Year first listed	
PALE HILUM													
Notilus	Sen	107	C	5	101	8	3	5	574	27.2	4	25	
LG Eagle	LUK	105	C	5	100	8	3	5	602	26.8	4	25	
Navara	Sen	104	C	5	104	8	5	6	551	26.7	5	24	
Lynx	NPZ-UK	104	C	6	98	8	6	4	515	27.4	5	16	
Genius	NPZ-UK	104	C	6	100	8	5	4	550	26.7	5	23	
Callas ^{LVC}	SU	103	C	7	101	8	4	5	566	28.0	3	26	
LG Stego	LUK	103	C	6	102	8	4	5	559	28.3	5	23	
Ketu ^{LVC}	NPZ-UK	102	C	7	103	8	4	5	516	27.6	4	25	
Futura ^{LVC}	NPZ-UK	101	C	7	101	8	4	4	526	27.6	5	23	
Loki	NPZ-UK	101	C	6	97	8	5	6	531	25.4	4	25	
LG Hawk	LUK	100	C	7	99	8	3	5	557	27.1	5	24	
Maderas ^{LVC}	NPZ-UK	98	C	6	99	8	6	5	553	27.2	3	26	
LG Raptor	LUK	96	C	7	99	8	3	5	530	27.5	5	20	
LG Viper	LUK	90	C	6	89	9	8	7	552	28.5	5	21	
BLACK HILUM													
Maris Bead	WAC	81	C	6	105	7	7	[5]	392	29.7	3	64	

New additions may have limited seed available until production reaches commercial scale (1-9) A high rating indicates that the variety shows the character to a high degree. The scales of characters of spring beans do not necessarily correspond with those for winter beans. The export market usually requires pale hilum types. LVC = Low Vicine & Low Convicine (<0.15%DM).
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Seed Treatments

Why treat cereal seed?

Seed and soil-borne diseases have the potential to devastate crop yields either through impacts on seed establishment or impacts on grain quality. Re-sowing untreated seed routinely can cause these diseases to multiply exponentially and may result in complete crop loss after just a few generations. Testing for seed-borne diseases is good agricultural practice but may not acknowledge diseases in the soil, on root debris or stubble from the previous crop. Therefore, use of a seed treatment is advised even on clean seed.



Seed treatments are your most cost-effective way to boost yield potential by harnessing seed germination, plant establishment and early growth. Traditionally containing multipurpose fungicide dressings and nutritional enhancers (single purpose treatments). More recently, new unique insecticides, fungicides or biological agents are available with the aim of boosting nitrogen efficiency (enhanced seed treatments).

All of our seed treatments detailed in this section are available with our certified seed or can be applied by your Frontier mobile seed cleaning team. We apply only best in class single-purpose treatments which we have tested over an extensive research trials network over sites and seasons.

Our Frontier offering is detailed by crop below:

Seed Treatment Compatibility

Single purpose treatments (SPTs)			
	Beret Gold • 25g/L Fludioxonil. • Frontier's preferred choice across winter wheat, oats and rye. A great basic seed treatment for a wide array of seed and soil borne diseases. Widely compatible with all seed treatment in Frontier range.	Rancona i-Mix • 20g/L Ipconazole + 50g/L Imazalil. • Frontier's preferred choice for winter barley and all-round basic seed treatment for a wide array of seed and soil borne diseases. Widely compatible with all seed treatment in Frontier range.	Prosper ST • N, P, K, Zn, Mg, Mn, Cu, B, Fe. Mo. • Potassium phosphite an nutrient seed treatment that promotes lateral root growth by on average 30% and 27% increased shoot biomass after 39 days.
Winter Barley		Frontier standard	
Winter Wheat	Frontier standard		
Winter Oats	Frontier standard		
Winter Rye	Frontier standard		

Enhanced seed treatments					
	Vibrance Duo • 25g/L Fludioxinil + 25g/L Sedaxane. • First choice seed treatment for key soil borne and seed disease control along with stimulation of root development and above ground biomass.	Nuello iN (Tiros) • Biological seed treatment containing Curtobacterium salicis (nitrogen fixing endophyte) and Pseudomonas siliginis nitrogen fixing and phosphate mobilising endophytic bacterium. • Co-applied with prebiotic biostimulant. • Benefits germination, root and shoot growth along with balancing nitrogen levels in plant using atmospheric nitrogen.	MnTain • 597g/t Manganese nitrate. • High doses of readily available manganese for improved emergence and plant growth.	Latitude • 125g/L Silthiofam. • The only available seed treatment for control of TakeAll; especially useful in second and continuous cereals and first wheats following fallow.	Signal 300ES • 300g/L cypermethrin. • Only remaining seed treatment approved for wireworm, wheat bulb fly and frit fly control in wheat and barley. Especially useful on crops following grass ley.
Winter Barley	See note 1				See note 2
Winter Wheat					See note 2
Winter Oats					
Winter Rye					

Frontier standard:

Our standard single purpose treatment for this crop, based on an assessment of the technical merits of all available treatments and the individual disease requirements of the different cereal crops.

Note 1:

Vibrance Duo does not carry a label claim for loose smut control. It is recommended that winter barley treated with Vibrance Duo also be treated with a companion single purpose treatment to provide the best possible protection against loose smut.

Note 2:

Signal can only be used on crops sown in the 'winter', which includes all crops sown between 1st August and 31st January. Signal-dressed seed cannot be sown from 1st February onwards.

Latitude: The specialist seed treatment for reducing take-all losses



Winter Wheat



Winter Barley

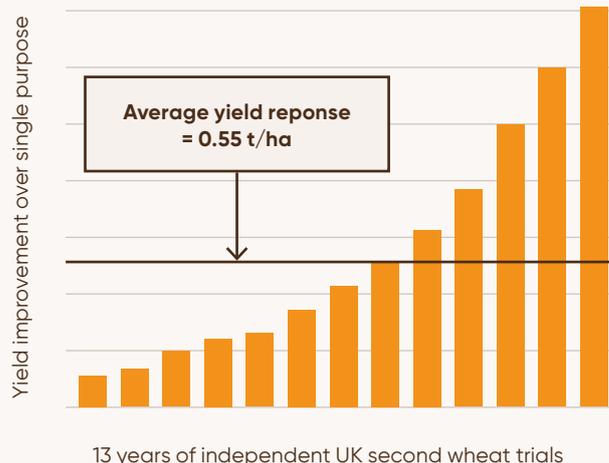
Secure your crop with Latitude

- Protects yield, quality and profits.
- Reduces take-all in wheat and barley.
- Enables flexibility of drilling date.
- Improves nutrient and water uptake.

Take-all: major risk factors

Climate 34%	Take-all will thrive in a warm wet autumn, followed by a warm wet winter.
Rotation 33%	Situations where take-all is likely include: second and third wheat; winter barley following a cereal; first wheat after a fallow or a spring cereal.
Sowing date 17%	Earlier drilled crops are more susceptible, early October drilling is optimum.
Soil type 16%	Soil texture (7%), pH (6%) and organic matter (3%) can all have an influence on take-all risk.

Yield benefit, wheat after wheat



£70/ha
gross margin

Average yield and gross margin benefit = 0.55 tonne or £70/ha*.
Yield response required to break even = 0.18 t/ha.

*Based on a Latitude cost of £40/ha and a November 2025 wheat price of £200/t.

VIBRANCE® Duo: The first choice seed treatment for winter cereals



Winter Wheat



Winter Barley



Winter Rye



Winter Triticale

VIBRANCE® Duo is proven to consistently protect yield across multiple seasons and a huge number of trials.

It particularly excels in three key positions:

Delayed drilling **0.34t/ha**
Increase in yield
Faster, improved emergence

Light land **0.38t/ha**
Increase in yield
Improved rooting for better drought tolerance

Second wheats **0.51t/ha**
Increase in yield
Improved establishment and rooting, an excellent partner for Latitude.

Delayed drilling = sites drilled after first week of October. Based on 34 sites in 2018

Light land = based on 17 sites in 2018

Second wheats = based on 13 sites in 2018

Yield benefit of VIBRANCE Duo over Redigo pro

Whether you plan to drill early or late, at the time you buy your seed you don't know what the weather has in store. Building a resilient crop gives insurance against adverse conditions.

Build a resilient wheat crop to cope with weather uncertainties



Newark, Nottinghamshire drilled the season of the 'Beast from the East'.



Rougham, Cambridgeshire, drilled 20/10/20.

Reliable performance across different cultivation and establishment systems

- 32%** Increase in rooting
- 54%** Increase in foliage weight
- 17%** Increase in tillering
- 17%** Increase in plant establishment



- 91%** Increase in rooting
- 47%** Increase in foliage weight
- 30%** Increase in tillering
- 7%** Increase in plant establishment



Shipston on Stour, Warwickshire. Heavy soil. Drilled 29/10/17.

4:1
Return on investment

A £10/ha investment in Vibrance Duo returns an average of £40/ha in yield*.

*Based on an average yield difference of 0.2t/ha and a November 2025 wheat price of £200/t.

Nuello[®] iN: The biostimulant treatment for improving plant nitrogen uptake



Winter
Wheat



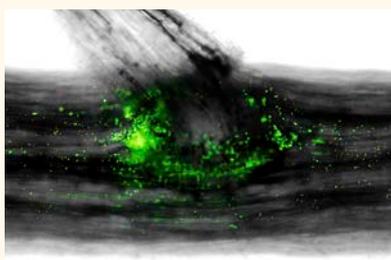
Winter
Barley

Previously marketed as:

Tiros

Nuello iN improves nitrogen use efficiency:

- N-fixing bacteria capture nitrogen directly from the atmosphere.
- These 'always on' bacteria provide a back-up generator to the plant, even in nutrient limiting conditions.
- Enhanced crop biomass and root development improve the plant's ability to scavenge for nutrients from the soil.



Bacterial endophytes enter and colonise the plant through root cracks and fix nitrogen from the atmosphere.

Where to use Nuello iN:

- **Complement current nitrogen strategies:** apply Nuello iN on crops receiving standard nitrogen applications, as an additional source of N.
- **Substitute small amounts of nitrogen inputs:** where synthetic N applications are planned to be reduced, Nuello iN can help maintain yield by replacing up to 30kg N/Ha.
- **Manage nitrogen limiting situations:** use Nuello iN in soils and rotational positions where nutrient access may be limited: light land, drought prone soils, and second cereals.

Beret Gold

Good root structure seen 42 days after planting



Stay-green effect of Nuello iN in SY Insitor, Haywold 2023

Beret Gold + Nuello iN

Further improved rooting seen 42 days after planting



**+30kg
Nitrogen**

UK trials demonstrate a nitrogen benefit from Nuello iN equivalent to up to 30kg N/Ha

Nuello iN does not offer any protection against seed and soil borne disease. It is advised that Nuello iN be co-applied with a fungal seed dressing such as BeretGold or Vibrance Duo.

MAINSTAR HYBRID BRASSICA

- ✓ Exceptionally high yielding
- ✓ The stem is very palatable
- ✓ Good frost tolerance
- ✓ Great regrowth potential

SOVGOLD (NEW) KALE

- ✓ Exceptionally high yielding
- ✓ Very high ME in upper, mid and even lower stem
- ✓ High leaf: stem ratio
- ✓ Best utilisation of any kale

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SEEDS & SCIENCE



GO FOR GOLD-KARAT



KARAT
OILSEED RAPE

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NPZ UK - Breeding Quality

 Aber HSG[®]

Productivity,
resilience,
sustainability

Ask for Germinal's high performance
Aber varieties

 [®]
Germinal



LG DEFIANCE WINTER WHEAT



DEFY THE ODDS, DELIVER THE YIELD

- Equally the highest yielding 2nd wheat
- Consistency across seasons & regions
- 8 for Yellow Rust resistance & OWBM resistant

Scan for more!



New
Hybrid
Barley

SY Quantock, your next Gen Hyvido

 **SY Quantock**

Easy to grow, robust,
resilient and reliable.

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®

The field good wheat.



KWS VIBE

Group 1 Winter Wheat

- New high-quality breadmaking wheat with full UKFM Group 1 approval
- The highest grain protein under a milling regime which helps growers achieve contract specifications
- High untreated yield driven by best-in-class yellow rust resistance in combination with high *Septoria* resistance



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SEEDING
THE FUTURE
SINCE 1856







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