Frontier

2025/26

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
01289 330 303

Diss
Main Office, Sandy Lane, Diss, Norfolk IP22 4HY
01379 642 936

Perth
Jura Suite 3/1, King James VI Business Centre, Riverview Business Park, Friarton Road, Perth PH2 8DY
01738 500 570

Sandy
Georgetown Road, A1 Trunk Road, Sandy, Bedfordshire SG19 2UB
01767 680 351

Cranswick
Beverley Road, Cranswick, Driffield, East Yorkshire YO25 9P
01377 270 441

Hermitage
Red Shute Mill, Hermitage, Thatcham, Berkshire RG18 9QL
01635 204 100

Ross-on-Wye
Phocle Green, Ross-on-Wye, Herefordshire HR9 7XU
01989 780 555

Witham St Hughs
Camp Road, Witham St Hughs, Lincoln LN6 9TN
01522 860 000

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
Genetic resistance to stem canker. Has the RLM7 major gene for stem canker resistance.

RLMS
Genetic resistance to stem canker. Has the new major gene RLMS for improved 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.

Early sown
Particularly well suited to being sown at an early drilling date.

UKS
Meets the specification for UKS biscuit 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)

BaYMV1
This variety has genetic resistance to damage and yield loss from barley yellow mosaic virus strain 1.

BaYMV2
This variety has genetic resistance to damage and yield loss from barley mosaic virus strain 1.

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.

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

WDV tolerant

BYDV resistant

Welcome to your new look autumn seed guide for drilling 2025/26

This year, our seed guide includes all the information you will need to help you make the best variety choices to suit your own specific circumstances for Harvest 2026.

You will find key data on our tried and tested, most popular varieties as well as details on our new and exciting varieties that will be available to growers for the first time this season.

We look forward to seeing you at one of our trial sites over the summer months but in the meantime if you have any questions then do not hesitate to contact one of the Frontier team. Our contact details can be found on page 2.

Data source AHDB 2025/26 Recommended List for Cereals and Oilseeds, unless otherwise stated.

Contents

Frontier is advancing *agriculture* for all

"By working with our customers and partners, we're shaping the future of UK agriculture. Our unique position in the sector, leading expertise and continued investment in innovation helps us deliver pioneering solutions to growers and manufacturers across the whole supply chain, creating a more resilient industry able to adapt to change and embrace new opportunities."

"We look forward to seeing you all in the field this summer, our demonstration sites are open for business throughout June and July and look forward to discussing your individual farm's needs across the whole of your rotation."

Samantha Brooke,
Seeds Director, Frontier

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 we pride ourselves on the uniquely high levels of quality we aspire to. We make it our mission to ensure that all the seed we grow, process and certify is to the highest standards available in our industry.

To do this we work with our growers to ensure that the crop is as clean as possible in the field meaning we are setting these standards even before the seed has been harvested.

When the seed arrives at one of our sites it is sampled and assessed by one of our many experienced members of staff with combined experience of multiple decades, to give our plant operators the most accurate information possible to clean the seed to the standards our customers expect.

Throughout this cleaning process out operators will continually take samples to be assessed by the lab to ensure consistency and ultimately produce certified seed of the highest possible quality.

As evidence of this consistency in quality, 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.

This serves as evidence of Frontier consistently being the industry leading supplier of the highest quality seed."

Steven Bailey,
Assistant Laboratory Manager, Diss.

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 been well below 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)

Frontier Mobile Seed Cleaning services

Our farm saved seed service allows you to:

- Improve cash flow, gross margin and profitability.
- Achieve uniform quality drilled seed.
- Ensure full seed traceability.
- Optimise drilling dates through flexible processing.

The Benefits of Our Full Gravity Table Separation:

- Seeds are separated by specific weight.
- Uniform quality seed samples give greater seed rate accuracy when drilling.
- Advanced purity and germination.
- Removes shrivelled, diseased, and damaged grains.
- Removal of weed seed (some of which may be resistant).
- Improved vigour and establishment.
- Only apply seed treatments to bold, superior seed.

We continue investing in our people and machinery, including the addition of two new mobile units each year. This year, we are introducing a new high-capacity optical unit for ergot removal:

- Runs approx. 20-26 tonnes per hour dependant on sample.
- Quick setup time of 30 minutes.
- Expert operators maintaining sample quality.
- Minimal grain losses.
- Industry leading camera technology that detects on size, colour and shape.

Our all new mobile colour sorter in action

Experienced Trained Operators:

High capacity seed cleaning and chemical treatment machinery will only work efficiently if set up by skilled operatives.

Frontier employ fully trained, experienced operators to ensure correct, precise machine adjustment and quality control.

They are also competent in the safe, precise and accurate application of seed treatments.

We have access to depots throughout the southern half of the UK, with good access to main road works, which ensures a timely service for customers.

We operate a fleet of high specification, revolutionary mobile seed processing units.

And most importantly, we have a team of experienced operators and support engineers at your service.

Find out more by calling 01206 263334 or email **info@frontierag.co.uk**

Farm Compliance

Helping your agricultural business fulfil its legal obligations

We will work with you to develop tailored management plans to meet the requirements of:

- SFI Actions for Soils, Nutrient Management and Integrated Pest Management.
- Nitrate Vulnerable Zones and the Farming Rules for Water.
- Farm Assurance schemes.
- Your unique supply chain requirements.

Find out more by calling our helpline 03330 2004 4555
or email **info@frontierag.co.uk**

Frontier Precision Services

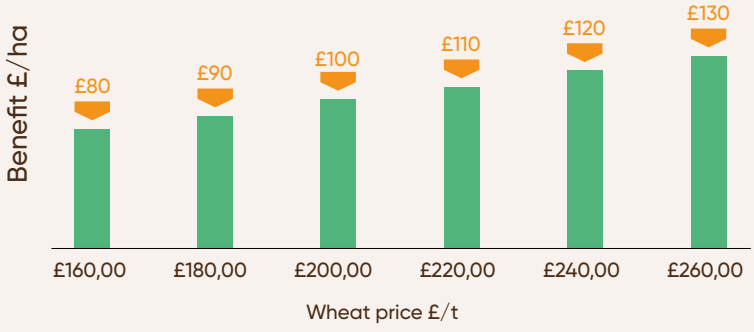
Variable rate seed: the foundations of yield

Drilling seed at variable rates can result in more even plant populations and reduce crop variation by up to 50%.

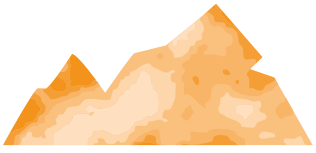
Establishing an optimum plant population and an even canopy in the spring is fundamental to achieving maximum yields. The benefits include reduced lodging risks, lower disease pressure and more efficient use of crop inputs.

Variable rate seed is proven to provide a financial benefit, with variably drilled fields providing an average yield increase of 5%.

The value of a 5% yield increase at different wheat prices:

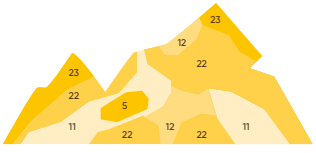


The most accurate way to introduce variable rate seed into your business is via the Frontier Precision Services Seed system:



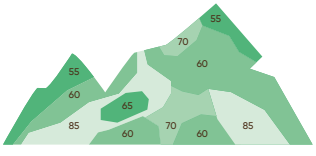
Stage 1 – Electrical conductivity scan

A non-intrusive survey of the soils' physical properties is undertaken. Soil conductivity correlates to its clay/moisture content, depth and stone content. The electrical conductivity scan will determine each soil type zone within the field.



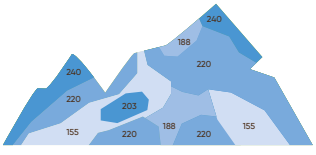
Stage 2 – Textural classification

An experienced soil scientist will texturally classify the soil types within your field. They will factor in texture, slope and stone content to create a soil type map.



Stage 3 – Establishment allocation

Each soil type zone is assessed for seedbed quality and potential winter losses. Local knowledge, such as that of black-grass or slug damage pressures, can be factored in here. From this, a percentage establishment layer is then created.



Stage 4 – Drilling plan

A variable drilling plan is compiled, using the establishment plan to vary the seed rate across the field. Drilling plans can be created in minutes on Frontier Precision Services ready for export to your drill controller.

For more information on variable rate seed and nutrient management call 0800 227445 or email **info@frontierag.co.uk**

Nutrient management with Frontier Precision Services

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

Oilseed Rape

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 devasting 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 19).

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 (page 18) such as HEAR rape and our sustainable rape programmes (page 28).

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	Chooses appropriate seeds 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 2026

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 2025.
- Set the payment date for companion crop seed and oilseed rape seed which successfully establishes to 12 months following delivery.
- Provide a range of industry-leading hybrid double low and companion crops to choose from.
- 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 five 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
- Eligibility for £55/ha from the Sustainable Farming Incentive (SFI) for sowing the companion crop seed for growers with SFI agreement in place before closing date of March 2025
- Expert advice on agronomy and choice of companion crop
- A non-defaultable produce-of-area grain contract and flexible marketing options
- The chance to upgrade into a private funding/premiums schemes that rewards sustainable farming practices.

Register today

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

"OSR has become increasingly challenging in recent seasons given the impact of difficult 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.

Through our de-risking model, we hope 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,
Seed Business Development Manager, Frontier

Companion crops

Companion cropping within oilseed rape has become a popular method of mitigating the damage caused by cabbage stem flea beetle (CSFB). Using the right species of companion crop, either before or at planting, offers protection against CSFB while encouraging crop establishment. We use four species in our companion crop mixes:

Berseem Clover

Why?
Provides valuable crop nutrition benefits

How?
- As a legume species, it will start fixing nitrogen within nine weeks of planting.
- It decomposes quickly in the spring, releasing nutrients to the crop.

Fenugreek

Why?
Disguises the OSR crop from CSFB

How?
- It produces a distinctive scent that masks the plant volatiles that CSFB use to identify oilseed rape.

Buckwheat

Why?
Attracts beneficial insects and offers crop nutrition benefits

How?
- Provides pollen and nectar that attracts insects such as parasitic wasps that feed on CSFB larvae.
- It is killed off by frost and, as it decomposes, mobilises phosphate in the soil.

Tataricum Buckwheat

Why?
Provides a canopy to shelter emerging oilseed rape plants

How?
- Flowering later than standard buckwheat, it produces more biomass to create a denser canopy.

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 (SFI-IPM3)	✓	✓	✓		3ha
K16 Companion Crop Mix 2 (SFI-IPM3)	✓	✓			3ha
K18 Companion Crop Mix 3 (SFI-IPM3)	✓		✓		3ha
K86 Companion Crop Mix 4 (SFI-IPM3)	✓	✓		✓	3ha
K91 Companion Crop Mix 5 (SFI-IPM3)	✓		✓	✓	3ha
K113 Companion Crop Mix 6 (SFI-IPM3)		✓	✓	✓	2ha
K127 Companion Crop Mix 7 (SFI-IPM3)		✓	✓		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.

With the inclusion of companion cropping as an option within the Sustainable Farming Incentive (SFI), the scope for expanding companion cropping into other crops has increased significantly.

Living mulch crops, which are medium-term cover crops that grow alongside a cash crop, are one option to meet the SFI criteria while providing valuable benefits to the soil and crop.

Living Mulch Blend K107

(SFI-IPM3)

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

Contains: yellow trefoil, white clover, subterranean clover and small-leaved white clover.

12kg/ha 12kg pack

Karat

NPZ, UK

NEW TuYV RLM7

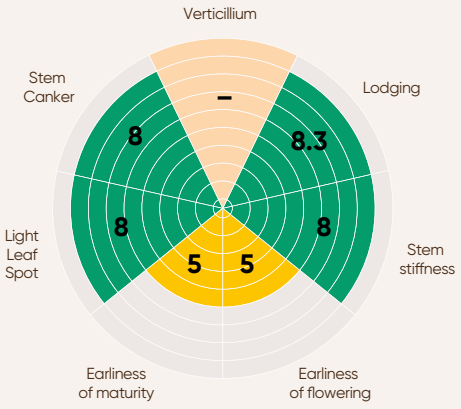
Exceptionally high gross output across the regions with excellent agronomic merit. Consistently good performance across the past two contrasting seasons.

Type	**Hybrid, double low**
AHDB recommended logo	**AHDB Candidate Harvest 2025**
UK Gross output (% controls)*	**109**
East/West Gross output (% controls)*	**110**
Untreated yield (% controls)*	**–**
Oil content (fungicide-treated controls %)*	**46.7**
Glucosinolates (µmol/g)*	**9.7**

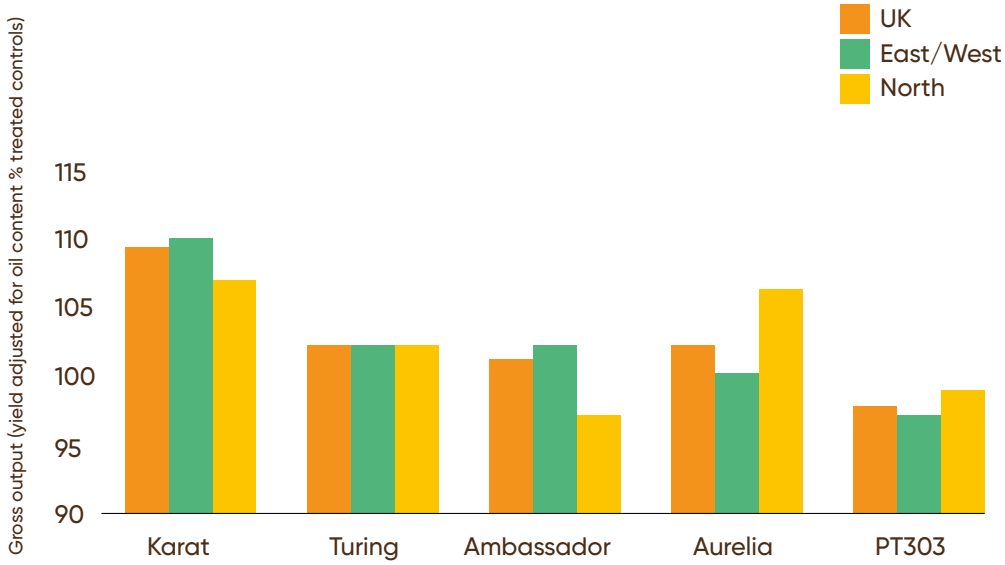
*AHDB Recommended List Winter Oilseed Rape 2025/26.

Karat is the highest yielding RL candidate in the East/West region, producing consistently a high gross output (110%) over the past two contrasting seasons. The variety has an excellent disease package, scoring 8s for stem canker and light leaf spot, with TuYV resistance built in. At 162cm the plant is a taller type but has stiff straw with good lodging resistance.

Variety icons key
Find it on page 3, opposite the contact details.



Karat has excellent gross output potential across all the UK regions



Dompteur

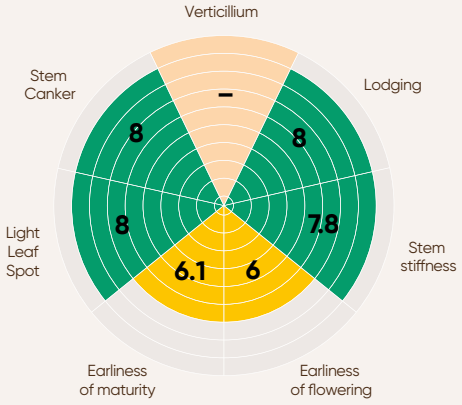
DSV, UK

NEW TuYV PSR RLM7

Exciting new genetics with excellent yield potential coupled with high disease resistance.

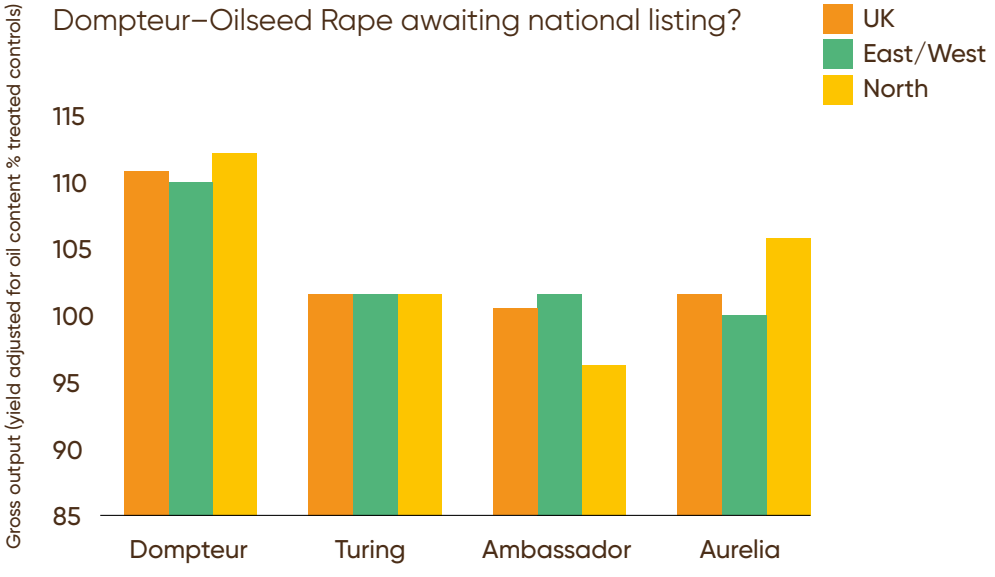
Type	**Hybrid, double low**
AHDB recommended logo	**AHDB Candidate Harvest 2025**
UK Gross output (% controls)*	**111**
East/West Gross output (% controls)*	**110**
Untreated yield (% controls)*	**–**
Oil content (fungicide-treated controls %)*	**46.3**
Glucosinolates (µmol/g)*	**11.1**

AHDB Recommended List Winter Oilseed Rape 2025/26.



With super high yields over the past two 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 produces high gross output accords regions and seasons



LG Adeline

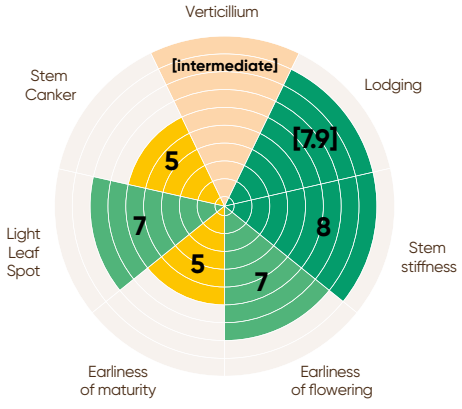
Limagrain

TuYV PSR RLM7

Very high gross output across all regions with TuYV and pod shatter resistance built-in.

Type	**Hybrid, double low**
AHDB recommended logo	**UK Recommended Listed 2024 for UK**
UK Gross output (% controls)*	**105**
East/West Gross output (% controls)*	**105**
Untreated yield (% controls)*	**[106]**
Oil content (fungicide-treated controls %)*	**44.9**
Glucosinolates (µmol/g)*	**14.7**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



A 7th Generation hybrid from Limagrain's fully loaded hybrid portfolio, LG Adeline is one of the highest yielding varieties on the 2025/26 Recommended List. It has exceptional gross output in the north where it is performs better than older varieties, being 5% ahead of Aurelia and 7% ahead of 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 all the regions.

Maverick

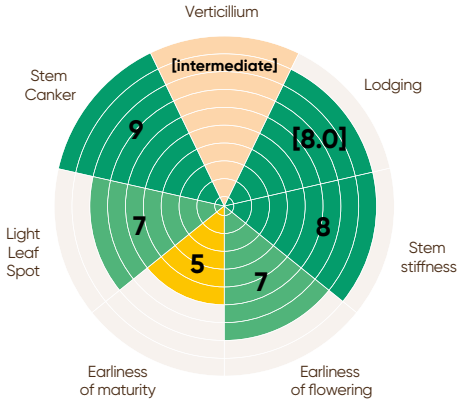
NPZ, UK

TuYV RLMS RLM7

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 logo	**UK Recommended Listed 2025 for East and West**
UK Gross output (% controls)*	**108**
East/West Gross output (% controls)*	**109**
Untreated yield (% controls)*	**–**
Oil content (fungicide-treated controls %)*	**46.0**
Glucosinolates (µmol/g)*	**11.3**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



Maverick is the highest yielding oilseed rape on the 2025/26 AHDB Recommended list for the UK and in the east/west region. Its excellent gross output is thanks to its excellent seed yield (107%) adjusted with a high oil content of 46.0%. A medium-strawed variety with good standing ability ([8.0]), the variety has very strong autumn and spring vigour. Excellent disease resistance completes this exciting package, including 7 for light leaf spot, 9 for stem canker (RLMS and RML7) and TuYV resistance.

Murray

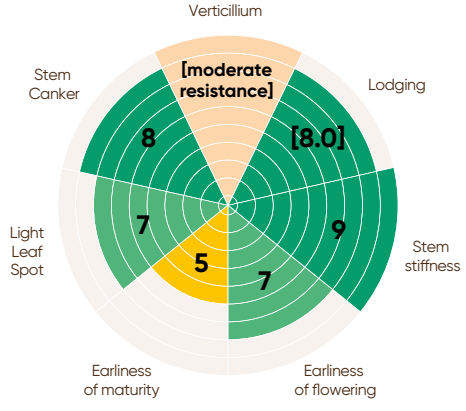
NPZ, UK

RLMS

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 logo	**UK Recommended Listed 2023 for E/W**
UK Gross output (% controls)*	**104**
East/West Gross output (% controls)*	**104**
Untreated yield (% controls)*	**104]**
Oil content (fungicide-treated controls %)*	**44.6**
Glucosinolates (µmol/g)*	**11.1**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



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 verticilium, showcasing its broad stem health characteristics.

Matrix CL

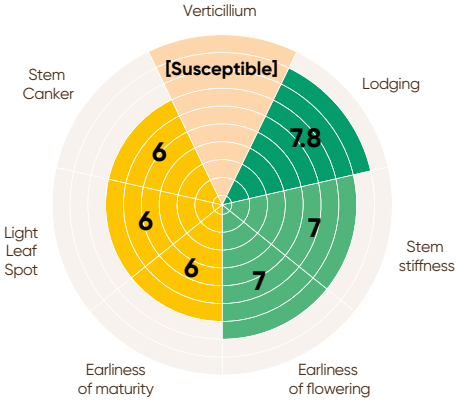
DSV, UK

CL PSR RLM7 TuYV

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

Type	**Hybrid, double low**
AHDB recommended logo	**UK Recommended 2022 UK Specific tolerance to imidazoline herbicides**
UK Gross output (% controls)*	**93**
East/West Gross output (% controls)*	**93**
Untreated yield (% controls)*	**94**
Oil content (fungicide-treated controls %)*	**45.6**
Glucosinolates (µmol/g)*	**14.2**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



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.

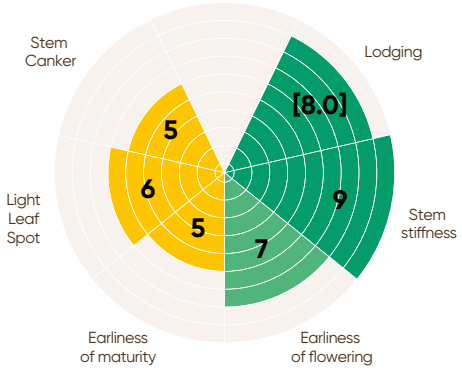
Tom

Cluser Breeding International GmbH

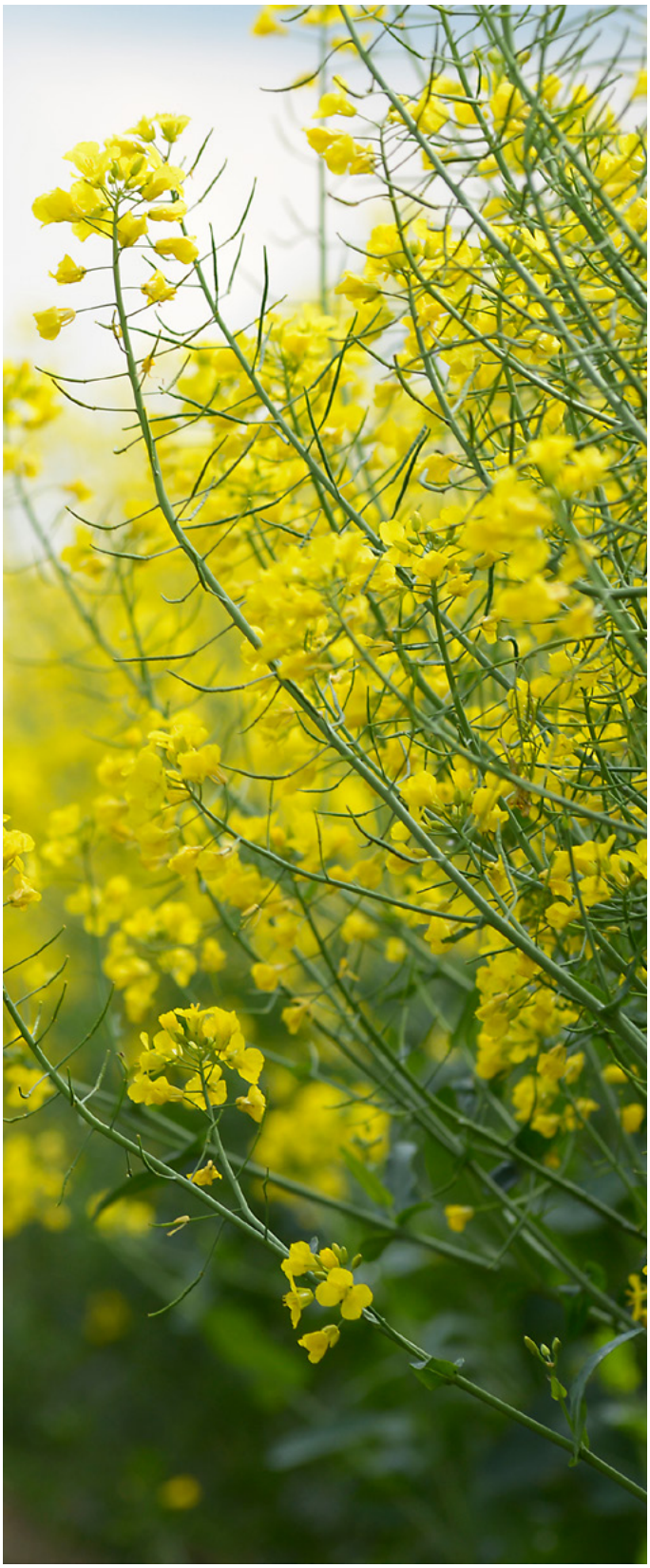
A super-stiff strawed type with better yields and disease package for growers than older conventional rapes like Acacia and Campus.

Type	**Conventional Open Pollinated, double low**
AHDB recommended logo	**UK Recommended, Listed 2023**
UK Gross output (% controls)*	**100**
East/West Gross output (% controls)*	**100**
Untreated yield (% controls)*	**101**
Oil content (fungicide-treated controls %)*	**45.2**
Glucosinolates (µmol/g)*	**11.6**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



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 RL (45.2µmol/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 RL 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 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. SOYL, 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

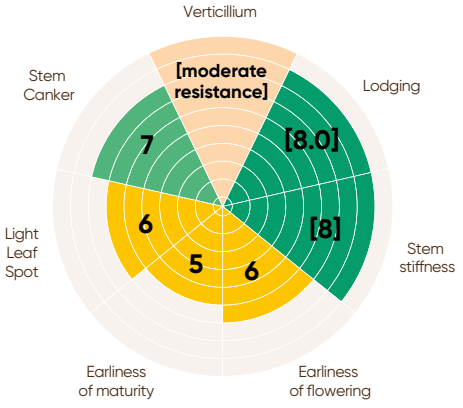
NPZ, UK

NEW TuYV CR

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, double low**
AHDB recommended logo	**UK Specific Recommendation, Listed 2025**
UK Gross output (% controls)*	**103**
East/West Gross output (% controls)*	**103**
Untreated yield (% controls)*	**–**
Oil content (fungicide-treated controls %)*	**44.5**
Glucosinolates (µmol/g)*	**12.6**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



Taking gross output yields to the next level across the UK (103% controls) and in the east/west (103% controls), Crusoe is a next generation hybrid WSOR OSR for growers to use in the battle against clubroot. Some 5% higher yielding than its next best rival, Cromputer, Crusoe offers growers the benefits of good light leaf spot resistance (6), is moderately resistance to Verticillium stem stripe and strong straw strength ([8.0]) despite being a taller-type (155cm). Couple this with in-built resistance to TuYV and you have an excellent choice for clubroot infected land.

Variety icons key
Find it on page 3, opposite the contact details.

Crocodile

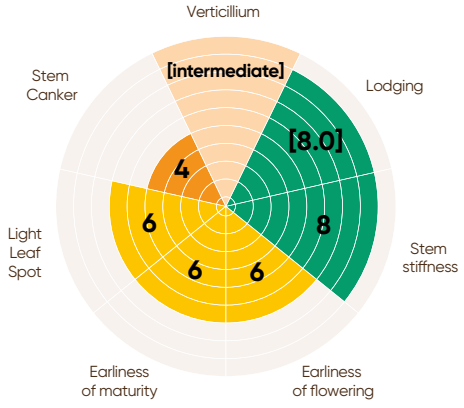
DSV, UK

CR

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, double low**
AHDB recommended logo	**E/W Specific Recommendation, Listed 2020**
UK Gross output (% controls)*	**97**
East/West Gross output (% controls)*	**99**
Untreated yield (% controls)*	**99**
Oil content (fungicide-treated controls %)*	**44.8**
Glucosinolates (µmol/g)*	**12.8**

*AHDB Recommended List Winter Oilseed Rape 2025/26.



In its sixth year of widespread use on clubroot infected farms, Crocodile continues to offer growers resistance to the common strains of clubroot, coupled with a solid yield performance (90% controls in north) and good oil content (44.8%). The variety is stiff-strawed offering good resistance to light leaf spot (6) but stem canker will need to be monitored (4) 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 16,500 ha of OSR enrolled in a Frontier sustainable supply chain programme for Harvest 2025, we've been able to offer growers throughout the UK access to payments of up to £120/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

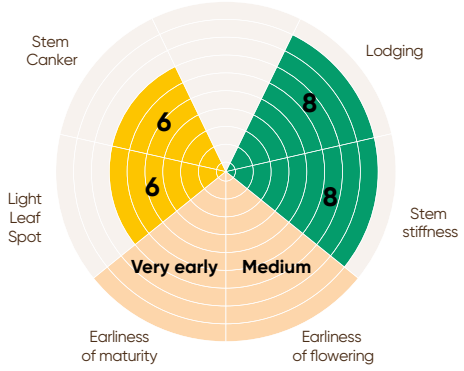
About our sustainable supply chain programmes and how they can add value to your OSR rotation, contact your local farm trader or agronomist or email **sustainabilityprogrammes@frontierag.co.uk**

Ramses

ID Grain

PSR TuYV Early

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



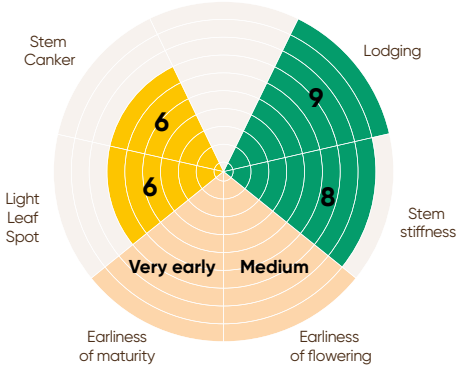
A vigorous variety, Ramses is one of the highest yielding HEAR varieties in Frontier trials, offering significant agronomic improvements over older HEAR varieties. It is a large biomass type with excellent spring and autumn vigour, helping to minimise pest and disease loses over the season. It is tall 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

PSR Early

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



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.

High Erucic Acid Rape – the UK's most profitable way to grow OSR

HEAR or more importantly, erucic acid, is a key building block in the production of erucamide for polymer production. Erucamide is a slip agent used in products such as plastic bottles as a friction modifier, it enables you to release the cap from the bottle, it is also used in printing inks, automotive components, engineering lubricants and food packaging – enabling fresh produce to have a greater shelf life resulting in reduced food waste. Part of the production process also results in a by-product of meal. This is produced after oil extraction and is used widely in ruminant animal feed.

HEAR can offer growers significant premiums over double low varieties; for harvest 2026, frontier offers a premium of £225/t (check!) over double low varieties. HEAR varieties are grown in the same way as double-low rapeseed with no special management or additional inputs required. It is however important to store separately from other OSR grain to preserve quality safeguard specification.

Growers who commit to a Frontier HEAR contract benefit from end-to-end transparency within the supply chain.

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 the crop is harvested it is taken to a crushing plant in Hull and supplied to Croda Europe Ltd, both of which are owned by our parent company, Cargill. Croda is one of the world's largest oleochemical producers and a global leader in novel polymer and additive technology, and Frontier has an exclusive, long term supply agreement with Croda.

Winter Oilseed Rape 2025/26

				Gross output, yield adjusted for oil content (% treated control)			Seed yield (% treated control)			Untreated yield (% untreated control) – UK		Disease resistance			
	Variety type	Scope of recommendation	Variety status	United Kingdom (5.1 t/ha)	East/West region (5.0 t/ha)	North region (5.7 t/ha)	United Kingdom (4.7 t/ha)(1–9)	East/West region (4.6 t/ha)	North region (5.2 t/ha)	Gross output (5.1 t/ha)	Seed yield (4.7 t/ha)	Light leaf spot (1–9)	Stem canker (1–9)	Verticillium	TuYV
HYBRID															
Maverick	Hybrid	E/W	NEW	108	109	100	107	108	99	–	–	7	9	[I]	R
LG Adapt	Hybrid	UK	NEW	108	108	108	106	106	106	–	–	7	6	[I]	R
Hinsta	Hybrid	E/W	NEW	106	106	[104]	104	105	[102]	–	–	7	5	[I]	R
Magelan	Hybrid	E/W	NEW	106	106	[102]	104	104	[100]	–	–	6	5	[MR]	R
Turing	Hybrid	E/W	C	106	106	104	106	107	105	102	103	7	4	I	–
LG Armada	Hybrid	UK		105	105	105	105	105	104	[110]	[110]	7	6	[I]	R
LG Academic	Hybrid	UK		105	105	106	105	105	105	[108]	[108]	7	6	[I]	R
LG Adeline	Hybrid	UK		105	105	107	105	105	107	[106]	[106]	7	5	[I]	R
LG Avenger	Hybrid	N	NEW	104	104	[106]	103	103	[105]	–	–	7	5	[S]	R
Murray	Hybrid	E/W		104	104	102	105	105	102	104	104	7	8	[MR]	–
LG Auckland	Hybrid	E/W	*	104	104	103	103	103	102	103	103	7	5	[I]	R
Vegas	Hybrid	UK	*	104	104	103	103	103	102	104	103	7	9	[I]	–
Dolphin	Hybrid	E/W		103	103	98	100	101	97	[105]	[103]	6	6	[I]	R
Attica	Hybrid	UK	*	101	101	102	101	101	102	102	101	7	5	[S]	R
Ambassador	Hybrid	E/W	*C	101	101	100	101	102	100	101	101	7	6	S	R
Aurelia	Hybrid	UK	*C	101	101	102	101	101	102	102	102	7	4	[S]	R
LG Wagner	Hybrid	N	*	101	100	105	100	100	104	[105]	[105]	7	4	[S]	R
CONVENTIONAL OPEN-POLLINATED															
Pi Pinnacle	Conv	UK		101	101	101	102	102	101	[102]	[102]	7	4	[I]	–
Tom	Conv	UK		100	100	100	100	100	100	101	101	6	5	[S]	–
Powerhouse	Conv	N	NEW	99	98	102	100	100	104	–	–	7	5	[S]	–
Annika	Conv	E/W		98	98	96	98	98	96	94	95	7	5	[M]	R
Acacia	Conv	UK	*	97	97	98	97	97	97	97	97	5	5	[I]	–
Aspire	Conv	N	*C	95	95	97	94	94	96	96	96	7	5	[I]	R
Amarone	Conv	N	*	94	94	98	95	94	99	98	99	7	5	[S]	R
HERBICIDE TOLERANT															
Miraculix CL	Hybrid	N Sp			93		5	6		[7.9]	8	155	7	6	R
Beatrix CL	Hybrid	E/W Sp		–	89		5	6		[7.9]	8	149	7	6	R
Matrix CL	Hybrid	UK Sp		104	93		6	6		7.8	7	152	7	6	R
CLUBROOT RESISTANT															
Crusoe	Hybrid	UK Sp	NEW	104	101		6	7		[8.0]	[8]	155	6	5	–
Cromputer	Hybrid	UK Sp	NEW		96		6	5		[7.9]	[8]	150	6	5	–
Crocodile	Hybrid	E/W Sp		–	90		6	4		[8.0]	8	144	6	5	–
Crome	Hybrid	N Sp		–	95		6	2		8.0	8	143	7	5	–
DESCRIBED															
Resort	Hybrid	UK HEAR		87	88	85	86	87	84	86	86	5	4	[I]	–

Data from AHDB Recommended List 2025/26, reproduced with thanks to the AHDB and other associations responsible.

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, 5.3 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)	2021 (5.2 t/ha)	2022 (5.9 t/ha)	2023 (5.2 t/ha)	2024 (5.0 t/ha)	Treated gross output	Untreated gross output	Breeder	UK contact	Year first listed	RL status
[8.0]	[8]	6	154	7	5	–	46.0	11.3	–	104	104	104	–	–	NPZ	NPZU	25	P1
[8.0]	[8]	5	157	6	5	R	46.4	12.7	–	107	108	107	–	–	LimEur	Lim	25	P1
[8.0]	[8]	5	155	6	5	R	46.1	14.8	–	104	105	105	–	–	KWSMR	KWS	25	P1
[7.8]	[8]	6	154	7	5	R	46.3	14.8	–	103	105	103	–	–	LimEur	Lim	25	P1
[7.9]	8	6	146	8	5	–	44.4	10.4	105	104	104	105	104	98	NPZ	NPZU	23	–
[8.0]	9	6	155	5	5	R	45.6	12.6	105	106	105	105	[107]	[106]	LimEur	Lim	24	P2
[7.9]	8	6	154	7	5	R	45.2	14.1	104	105	106	106	[109]	[104]	LimEur	Lim	24	P2
[7.9]	8	6	152	7	5	R	44.9	14.7	106	105	106	105	[109]	[102]	LimEur	Lim	24	P2
[8.0]	[8]	5	161	6	5	R	46.0	10.5	–	105	105	105	–	–	LimEur	Lim	25	P1
[8.0]	9	6	153	7	5	–	44.6	11.1	104	102	103	103	99	99	NPZ	NPZU	23	–
[7.8]	7	6	150	7	5	R	45.5	12.2	103	103	104	104	105	99	LimEur	Lim	22	*
[7.9]	8	6	148	8	5	–	45.5	11.0	103	102	102	104	101	100	NPZ	NPZU	23	*
[8.0]	9	6	146	7	4	–	46.5	13.0	99	102	102	98	[105]	[101]	DSV	DSV	24	P2
[7.9]	8	6	153	7	5	R	45.1	12.0	102	102	102	101	103	98	LimEur	Lim	23	*
7.9	8	6	150	7	6	R	44.8	10.9	100	101	100	101	101	97	LimEur	Lim	20	*
7.9	7	6	146	7	5	R	44.8	10.2	100	101	100	103	101	98	LimEur	Lim	20	*
[7.9]	[8]	6	147	7	5	R	45.1	11.7	101	103	103	102	107	[101]	LimEur	Lim	23	*
[8.0]	9	6	152	5	5	–	44.5	13.0	102	100	100	102	[99]	[98]	Pick	GSd	24	P2
[8.0]	[9]	6	146	7	5	–	45.2	11.6	100	100	101	99	100	97	CBI	FrontAg	23	–
[8.0]	[8]	7	142	6	5	–	43.5	14.5	–	99	99	101	–	–	Els	Els	25	P1
[8.0]	9	6	146	6	4	–	44.9	11.6	97	98	95	[97]	98	90	LimEur	Lim	22	–
8.0	8	7	142	6	5	–	44.9	8.1	98	97	97	97	96	93	LimEur	Lim	20	*
8.0	8	7	139	7	5	–	45.2	9.9	95	96	96	94	96	92	LimEur	Lim	19	*
[8.0]	[8]	7	140	7	5	–	44.5	11.9	96	96	96	96	97	94	LimEur	Lim	22	*
[7.9]	8	5	155	7	6	R	45.5	15.2	94	94	93	91	[94]	[89]	DSV	DSV	24	P2
[7.9]	[8]	6	149	7	6	R	45.8	15.3	91	94	91	90	97	90	DSV	DSV	23	–
7.8	7	6	152	7	6	R	45.6	14.2	92	94	93	91	95	90	DSV	DSV	22	–
[8.0]	[8]	5	155	6	5	–	44.5	12.6	–	102	102	101	–	–	NPZ	NPUZ	25	P1
[7.9]	[8]	6	150	6	5	–	45.5	13.4	–	97	98	96	–	–	DSV	DSV	25	P1
[8.0]	8	6	144	6	6	–	44.8	12.8	94	96	92	92	96	94	DSV	DSV	20	–
8.0	8	7	143	7	5	–	45.8	10.8	95	94	95	93	93	88	NPZ	NPUZ	19	–
7.9	8	6	146	7	5	–	45.7	14.0	88	87	85	85	86	83	NPZ	NPUZ	20	–

Wheat

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.

Frontier can offer the UK's best wheat genetics for your farm this season. Our team of farm traders and agronomists are on-hand to help you consider the unique factors affecting variety performance on your farm to ensure you choose the right varieties to optimise performance, serve your local end market and maximise your return on investment.

As with any crop, attention to detail and good practice will maximise your returns. And having experienced difficult autumn drilling for the last 2 seasons, good crop establishment will be at the front of many farmers' minds this autumn. Challenging field conditions, high disease pressures and limited opportunities for drilling, spraying, and fertilising are still top of mind. It's not just about selecting the right variety but sowing that seed at the right time to get the crop off to the best start possible. We have wheats to suit all your farm-management needs Our range of wheats shown below will help you manage sowing dates, application timings and harvest workloads this season.

Winter Wheat drilling times

		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
Variety	Type	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																			
KWS Parkin	Group 4 hard																			
LG Typhoon	Group 4 hard																			
LG Beowulf	Group 4 hard																			
KWS Vibe	Group 1																			
Graham	Group 4 hard																			
KWS Zyatt	Group 1																			
SY Cheer	Group 1																			
KWS Palladium	Group 2																			
KWS Scope	Group 4 hard																			
KWS Dawsum	Group 4 hard																			
Bamford	Group 3																			
Crusoe	Group 1																			
Blackstone	Group 4 soft																			
KWS Solitaire	Group 3																			
Skyfall	Group 1																			
KWS Extase	Group 2																			
KWS Arnie	Group 2																			
Champion	Group 4 hard																			
Spring wheats	All groups																			

Optimum drilling date.

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

Access to premium wheat markets

As end users are dedicating more of their focus on embedding sustainability throughout the whole supply chain, Frontier are in the unique position to offer growers a range of secure contracts for the delivery of the highest quality wheat to fulfil end user requirements.

To learn more

About how your wheat crop could be part of this innovative schemes, 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 2025?

KWS Vibe

New Group 1

Group 1 wheat with best combination of yield and protein

Very high untreated yields including 6.6 for Septoria and PcH1 for eyespot

Short and stiff strawed and early to mature

KWS Arnie

New Group 2

Exceptional yields, especially in the west where its 6% ahead of KWS Extase

Excellent disease resistances including 7.0 for Septoria

Good performance on heavy land and in second wheat slot

KWS Solitaire

New Group 3

Highest yielding soft wheat with best performances in the west (109%)

Added value market opportunities as Group3 biscuit, distilling, UKS for export and feed

OWBM resistant

KWS Scope

New Group 4

Highest yielding wheat on the 2025/6 RL

Stiff strawed with twin 8s for standing

OWBM resistant

UKFM Group 1 varieties

Premium breadmaking varieties sit withing 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 have 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)**

KWS Vibe

KWS UK Ltd

Pedigree: **KWS Zyatt x Bernstein**

NEW | 2nd wheat | Pch1

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

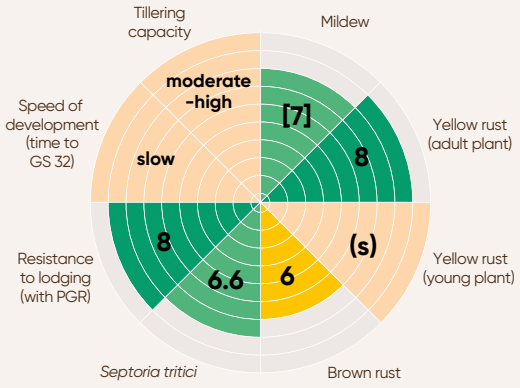
Type	**UKFM Group 1 winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**98**
East treated yield (% controls)	**97**
West treated yield (% controls)	**100**
North treated yield (% controls)*	**[99]**
Untreated yield (% controls)*	**89**
Protein Milling trials (%)*	**[13.2]**
Protein All trials (%)*	**11.6**
HFN*	**283**
Specific weight (kg/hl)*	**79.1**

*AHDB Recommended List Winter Wheat 2025/26.

KWS Vibe is 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.

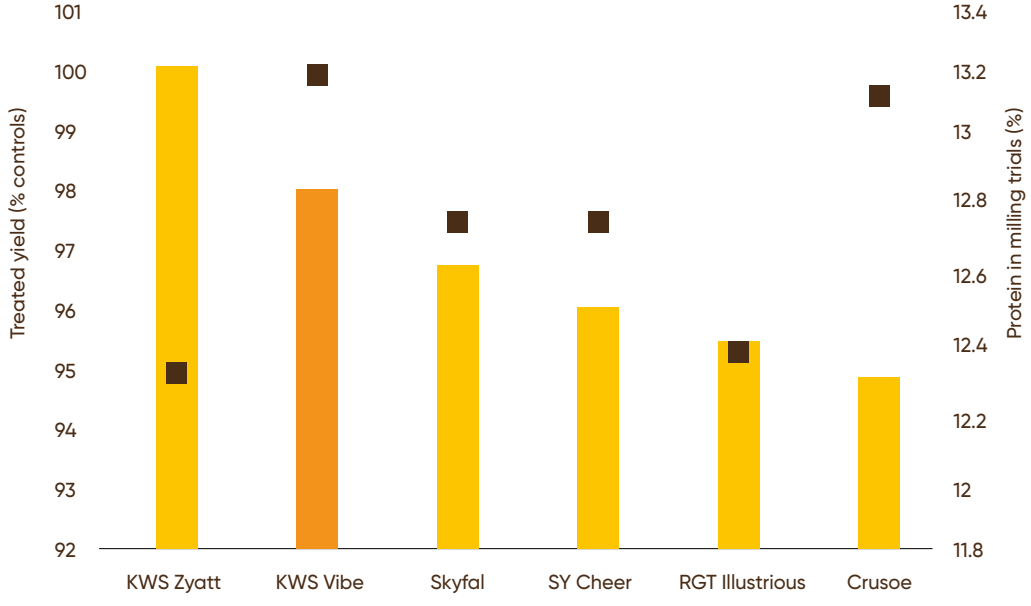
Variety icons key
Find it on page 3, opposite the contact details.

+1
Ripening days (+/- Skyfall)



It's a slow developer and along with a score of 7 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 6.6 for Septoria.

KWS Vibe – The best combination of protein and yield in today's Group 1 section



SY Cheer

Syngenta UK

Pedigree: **KWS Trinity x Expert**

NEW

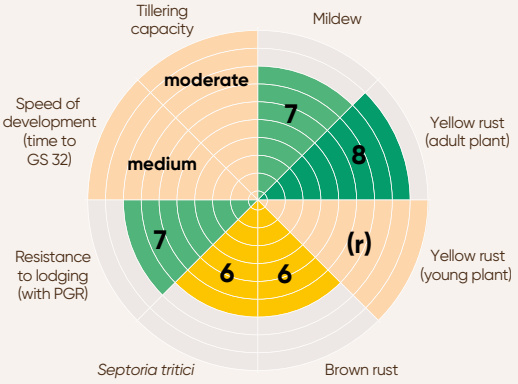
Useful improvements in disease resistance over some more established Group 1 varieties.

Type	**UKFM Group 1 Winter Wheat**
AHDB recommended logo	**UK Recommended, Listed 2024**
UK treated yield (% controls)*	**96**
East treated yield (% controls)	**96**
West treated yield (% controls)	**97**
North treated yield (% controls)*	**98**
Untreated yield (% controls)*	**82**
Protein Milling trials (%)*	**12.8**
Protein All trials (%)*	**11.5**
HFN*	**299**
Specific weight (kg/hl)*	**79.8**

*AHDB Recommended List Winter Wheat 2025/26.

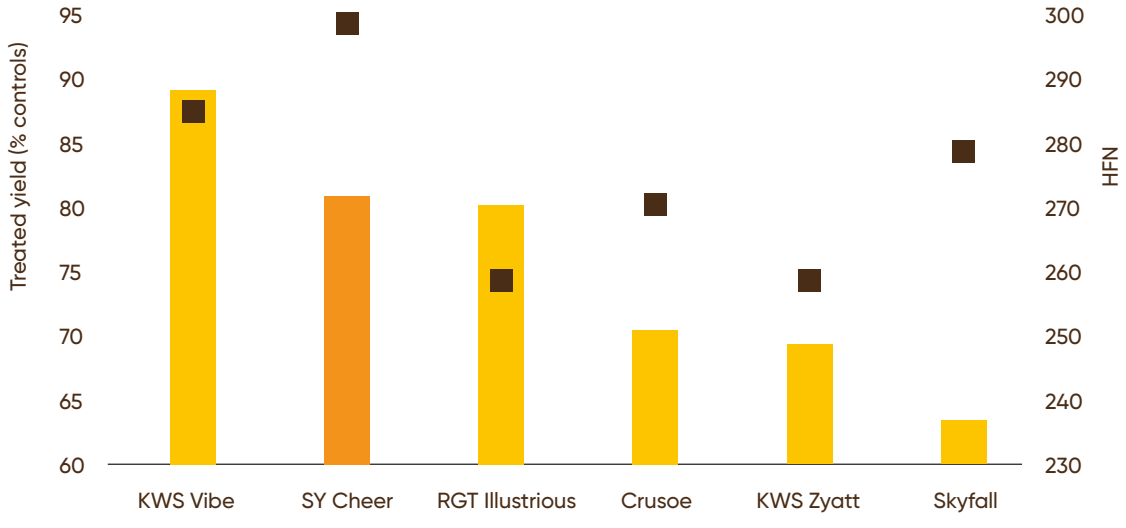
+1

Ripening days (+/- Skyfall)



In its second year of commercialisation SY Cheer offers growers a step on in disease resistances from more established Group 1 varieties. In particular, SY Cheer has excellent adult plant yellow rust resistance (8) and is the only Group 1 recommended variety with young plant resistance. Good yields across all regions are matched with excellent grain quality including the highest specific weight (79.8kg/hl) and HFN (299) of all listed Group 1s.

SY Cheer, the best combination of yield and HFN for the Group 1 sector



KWS Zyatt

KWS UK Ltd

Pedigree: **KWS Quartz x Hereford**

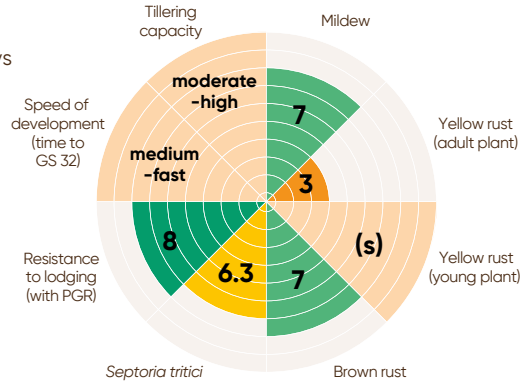
2nd wheat | Pch1

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 logo	**UK Recommended, Listed 2017**
UK treated yield (% controls)*	**100**
East treated yield (% controls)	**100**
West treated yield (% controls)	**102**
North treated yield (% controls)*	**100**
Untreated yield (% controls)*	**70**
Protein Milling trials (%)*	**12.3**
Protein All trials (%)*	**11.4**
HFN*	**259**
Specific weight (kg/hl)*	**78.7**

*AHDB Recommended List Winter Wheat 2025/26.

0
Ripening days (+/- Skyfall)



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**

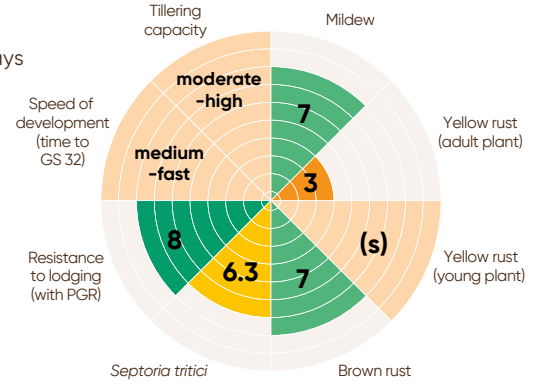
2nd wheat | Pch1 | Late | OW BM

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 logo	**UK Recommended, Listed 2014**
UK treated yield (% controls)*	**97**
East treated yield (% controls)	**97**
West treated yield (% controls)	**97**
North treated yield (% controls)*	**96**
Untreated yield (% controls)*	**64**
Protein Milling trials (%)*	**12.8**
Protein All trials (%)*	**11.5**
HFN*	**280**
Specific weight (kg/hl)*	**79.4**

*AHDB Recommended List Winter Wheat 2025/26.

0
Ripening days (+/- Skyfall)



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 delivery 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

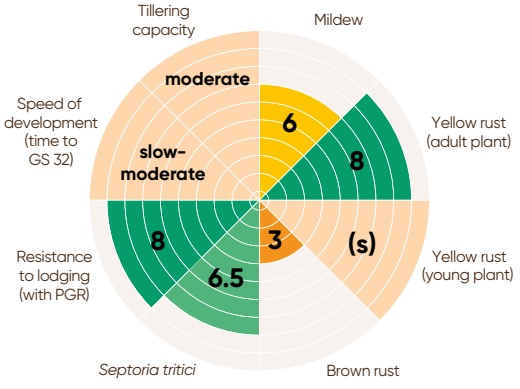
Limagrain UK
Pedigree: **Cordiale x Gulliver**

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

Type	**UKFM Group 1 winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2012**
UK treated yield (% controls)*	**95**
East treated yield (% controls)	**94**
West treated yield (% controls)	**96**
North treated yield (% controls)*	**94**
Untreated yield (% controls)*	**72**
Protein Milling trials (%)*	**13.1**
Protein All trials (%)*	**12.0**
HFN*	**272**
Specific weight (kg/hl)*	**78.5**

*AHDB Recommended List Winter Wheat 2025/26.

+1
Ripening days
(+/- Skyfall)



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 treatment from T0 applications throughout the growing season.

Loxton

DSV UK
Pedigree: **KWS Siskin x DSV40123**

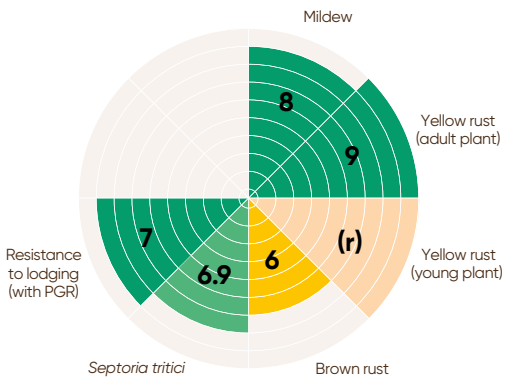
OW
BM

Performs well in Warburtons grist.

Type	**High quality breadmaking wheat**
AHDB recommended logo	**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

−1
Ripening days
(+/- Skyfall)

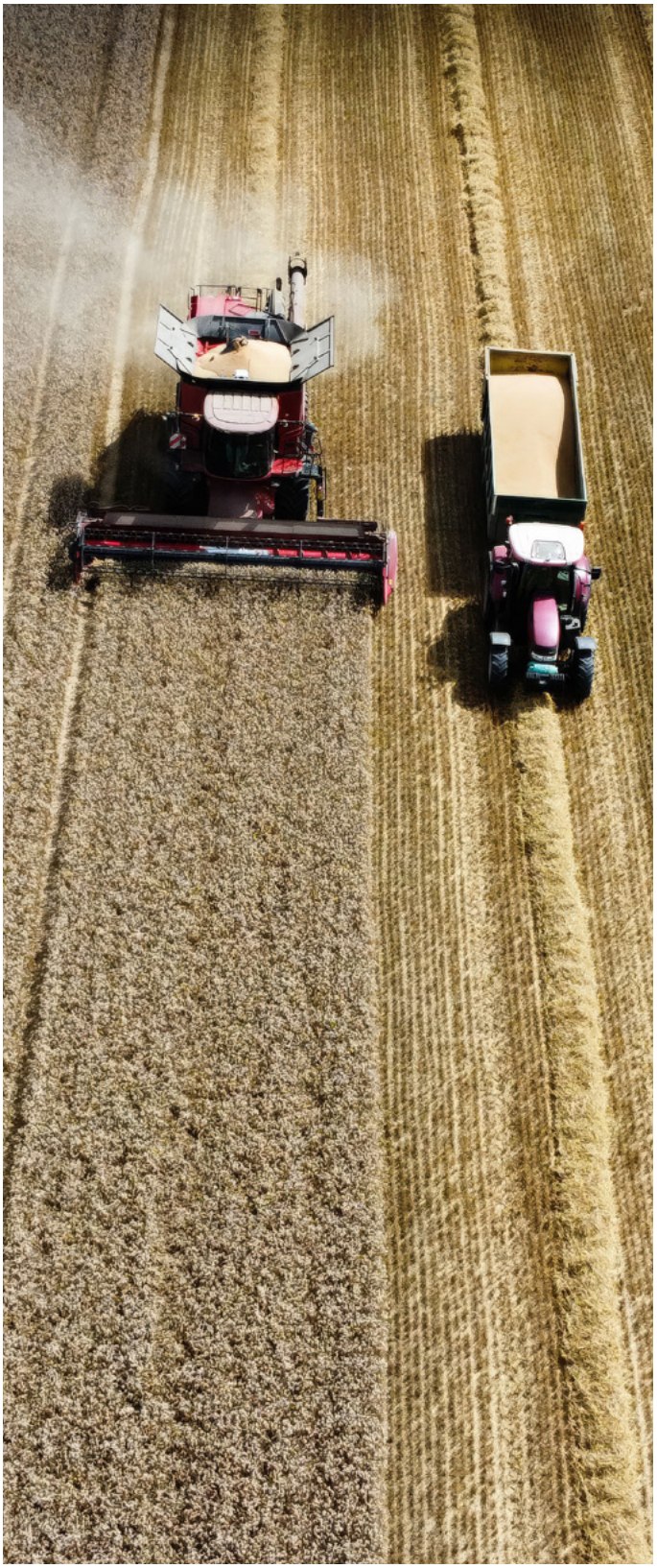


The only commercialised high quality bread making wheat, alongside Skyfall to have Orange Blossom Midge Resistance. Loxton offers a good disease package with an impressive 9 for Yellow rust and 6.9 for *Septoria tritici*. It is a medium height variety, early maturity with a score of 7 for lodging with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

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)**



KWS Arnie

KWS UK Ltd

Pedigree: **KWS Zyatt x KWS Extase**

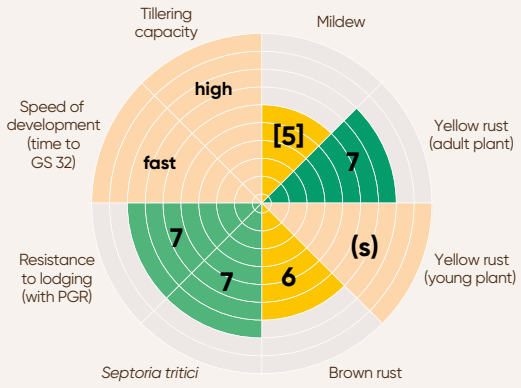
NEW | 2nd wheat

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 logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**106**
East treated yield (% controls)	**106**
West treated yield (% controls)	**108**
North treated yield (% controls)*	**[103]**
Untreated yield (% controls)*	**87**
Protein Milling trials (%)*	**10.9**
Protein All trials (%)*	**[12.1]**
HFN*	**287**
Specific weight (kg/hl)*	**79.1**

*AHDB Recommended List Winter Wheat 2025/26.

0
Ripening days
(+/- Skyfall)



New for drilling 2025, 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. 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, one of the best combinations of yield, specific weight and stem stiffness

Variety icons key
Find it on page 3, opposite the contact details.

KWS Extase

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

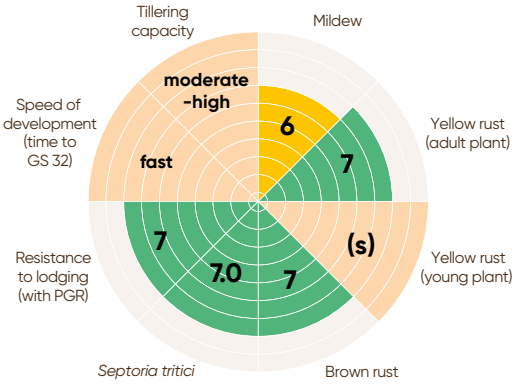
Late

6 years, still one of the highest untreated yields on the RL.

Type	**UKFM Group 2 winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2019**
UK treated yield (% controls)*	**102**
East treated yield (% controls)	**102**
West treated yield (% controls)	**102**
North treated yield (% controls)*	**101**
Untreated yield (% controls)*	**91**
Protein Milling trials (%)*	**12.3**
Protein All trials (%)*	**[11.2]**
HFN*	**287**
Specific weight (kg/hl)*	**79.2**

*AHDB Recommended List Winter Wheat 2025/26.

-1
Ripening days (+/- Skyfall)



The variety that broke the mould for the link between 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 continue to offer good yields backed by excellent resistance to Septoria and brown rust.

KWS Palladium

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

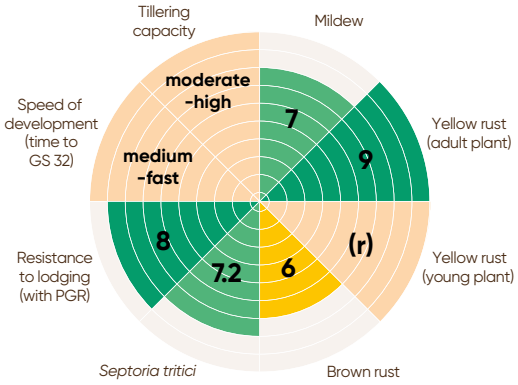
Early

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 logo	**UK Recommended, Listed 2022**
UK treated yield (% controls)*	**101**
East treated yield (% controls)	**100**
West treated yield (% controls)	**103**
North treated yield (% controls)*	**101**
Untreated yield (% controls)*	**89**
Protein Milling trials (%)*	**12.2**
Protein All trials (%)*	**11.4**
HFN*	**299**
Specific weight (kg/hl)*	**79.2**

*AHDB Recommended List Winter Wheat 2025/26.

-1
Ripening days (+/- Skyfall)



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 very high untreated yields which are backed up by a strong set of disease scores including 7.2 for Septoria and 6 for brown rust and 9 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 expert 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**

NEW SWRI high UKS OW BM

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

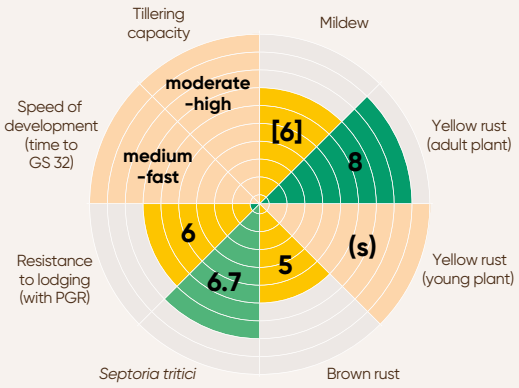
Type	**UKFM Group 3 winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**107**
East treated yield (% controls)	**106**
West treated yield (% controls)	**109**
North treated yield (% controls)*	**[108]**
Untreated yield (% controls)*	**88**
Protein Milling trials (%)*	**10.6**
Protein All trials (%)*	**[11.8]**
HFN*	**179**
Specific weight (kg/hl)*	**77.1**

*AHDB Recommended List Winter Wheat 2025/26.

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

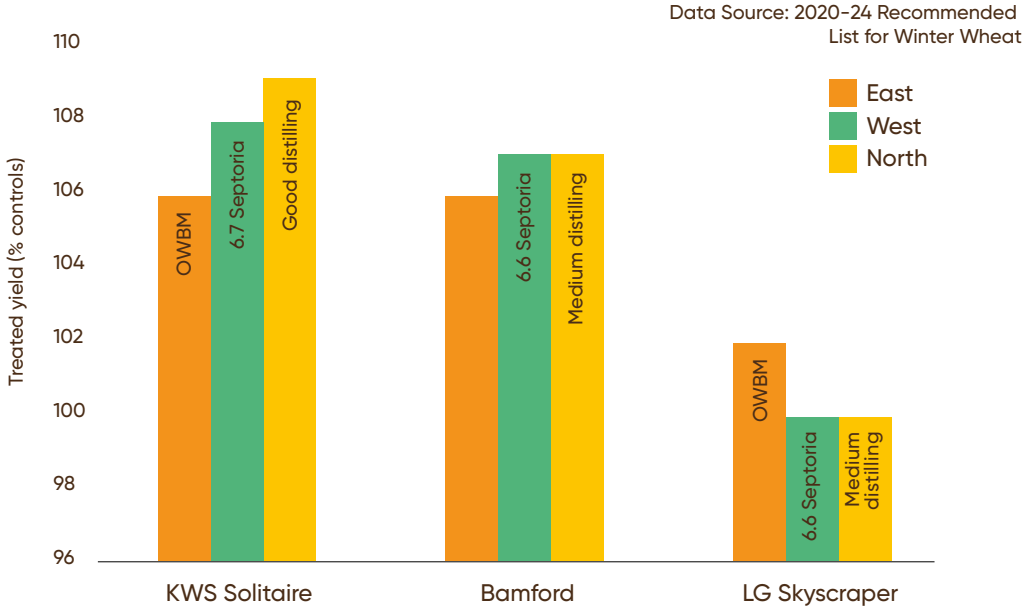
+1

Ripening days (+/- Skyfall)



Good early sown performance ([111%] before 25th September), but growers advised to use a good PGR programme and/or delay sowing until 2-3rd week in September to reduced lodging risks. Good 1st cereal wheat yields (105%) and performance on heavy land (106%) with the added benefit of OWBM resistance.

KWS Solitaire – A top soft choice for all regions



Bamford

Elsoms Wheat Ltd

Pedigree: **Moulton x EW129**

SWRI medium | Pch1 | UKS | 2nd wheat | Early | SBW MV

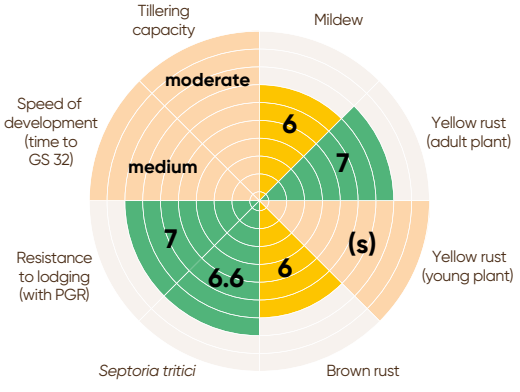
Sporting the highest untreated yield of all Recommended Group 3 varieties, Bamford has a wide sowing window, being especially suited to early sowing thanks to its stiff straw and Pch1 resistance to eyespot.

Type	**UKFM Group 3 winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2024**
UK treated yield (% controls)*	**106**
East treated yield (% controls)	**106**
West treated yield (% controls)	**107**
North treated yield (% controls)*	**107**
Untreated yield (% controls)*	**90**
Protein Milling trials (%)*	**10.7**
Protein All trials (%)*	**11.6**
HFN*	**247**
Specific weight (kg/hl)*	**78.7**

*AHDB Recommended List Winter Wheat 2025/26.

+1

Ripening days (+/- Skyfall)



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 is both eh 1st and 2nd wheat slots, Bamford has high untreated yields (90%) 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.

Blackstone

Elsoms Wheat Ltd

Pedigree: **Panacea x KWS Tempo**

SWRI medium | OW BM

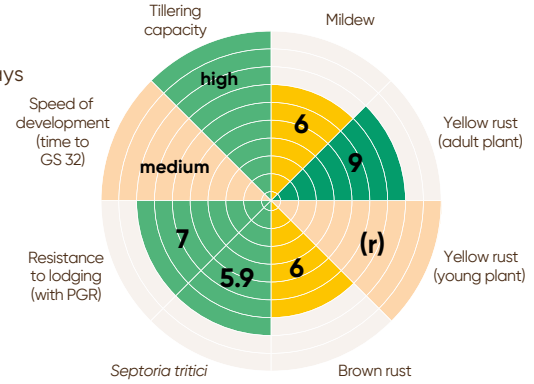
A flexible soft option that allows for sowing into the spring when the weather prevents autumn drilling.

Type	**Soft Group 4 winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2024**
UK treated yield (% controls)*	**102**
East treated yield (% controls)	**102**
West treated yield (% controls)	**101**
North treated yield (% controls)*	**104**
Untreated yield (% controls)*	**83**
Protein All trials (%)*	**10.7**
HFN*	**295**
Specific weight (kg/hl)*	**78.6**

*AHDB Recommended List Winter Wheat 2025/26.

+2

Ripening days (+/- Skyfall)



Suited to the soft feed and distilling markets, Blackstone gives excellent yields in the north, on lighter soils (103%) and in a later sowing ([104%]) situations too. A medium-tall variety with relatively stiff straw, the variety has a good disease package, including a 9 for yellow rust with seedling resistance, 6 for mildew and 5.9 for Septoria. At a +2 maturity, Blackstone is a later maturing wheat which has the added benefit of OWBM resistance.

UKFM Group 4 hard varieties

Representing around just over 45% of the wheat in the ground for harvest 2025, Group 4 hard endosperm wheats are grown mainly as feed wheats but may 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.

KWS Scope

KWS UK Ltd

Pedigree: **Informer x KWS Kinetic**

NEW | 2nd wheat | Early | 1st cereal | OW BM

With it's best performances in this region (107%) and as a first cereal (108%) and in the early sown slot ([110%])] KWS Scope delvers yields and grain quality to all growers in the UK.

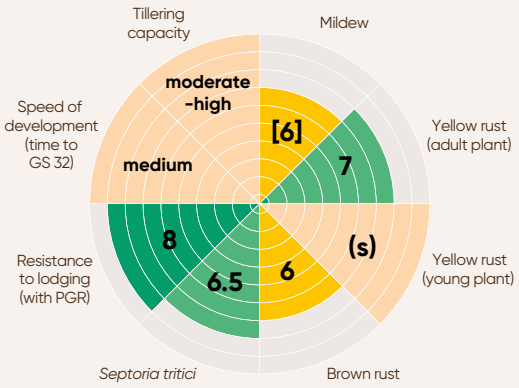
Type	**UKFM Group 4, hard winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**108**
East treated yield (% controls)	**106**
West treated yields (% controls)	**111**
North treated yield (% controls)*	**[107]**
Untreated yield (% controls)*	**85**
Protein All trials (%)*	**10.4**
HFN*	**247**
Specific weight (kg/hl)*	**78.9**

*AHDB Recommended List Winter Wheat 2025/26.

As the highest yielding wheat across all Groups on the 2025-26 Recommended List, 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.

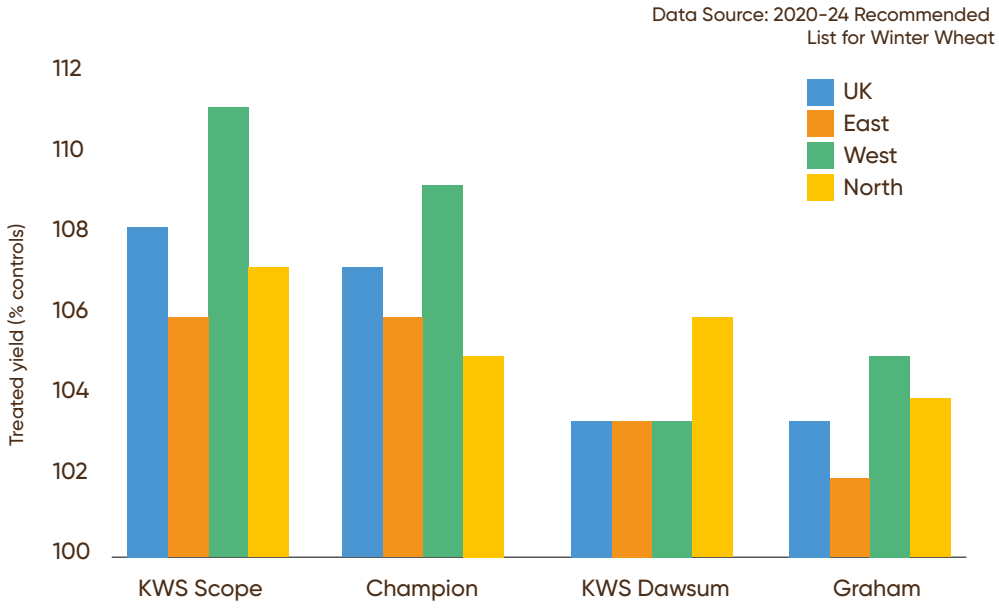
+1

Ripening days (+/- Skyfall)



A medium-high tillering variety, KWS Scope is a short (89cm without PGR) and stiff variety which has a similar maturity to the nations favourite, KWS Dawsum. Disease ratings are good across the board with a 7 for yellow rust and a 6.5 for Septoria. At a score of 4, eyespot will need monitoring. The variety also comes with the benefits of OWBM resistance.

KWS Scope – Excellent yield potential across the UK



Champion

DSV UK

Pedigree: **DSV20122 x Reflection**

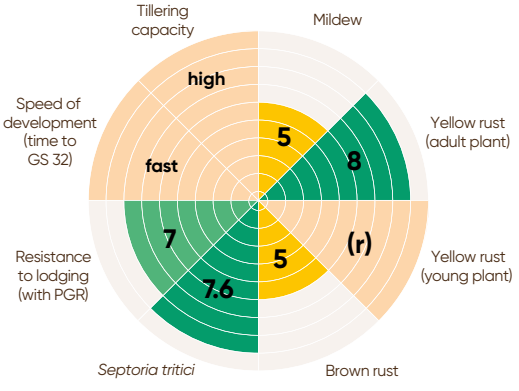
High yields and excellent disease resistance across a range of soil types with best performances in later drilled settings

Type	**UKFM Group 4, hard winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2022**
UK treated yield (% controls)*	**107**
East treated yield (% controls)	**106**
West treated yields (% controls)	**109**
North treated yield (% controls)*	**105**
Untreated yield (% controls)*	**86**
Protein All trials (%)*	**10.7**
HFN*	**246**
Specific weight (kg/hl)*	**75.6**

*AHDB Recommended List Winter Wheat 2025/26.

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 resistances and OWBM in hard feed sector. A vigorous variety, it is a medium height variety 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**

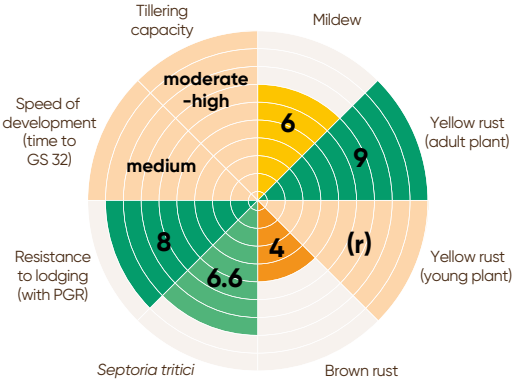
LG Beowulf offers growers yield potential in a secure agronomic package

Type	**UKFM Group 4, hard winter wheat**
AHDB recommended logo	**UK Recommended, Listed 2024**
UK treated yield (% controls)*	**105**
East treated yield (% controls)	**106**
West treated yields (% controls)	**104**
North treated yield (% controls)*	**107**
Untreated yield (% controls)*	**85**
Protein All trials (%)*	**10.9**
HFN*	**253**
Specific weight (kg/hl)*	**78.5**

*AHDB Recommended List Winter Wheat 2025/26.

+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 (twin 8s 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 an excellent disease package including very good adult yellow rust resistance (9), backed-up by resistance to the disease at the seedling stage. Brown rust at a score of 4 will need to be monitored. A later maturing variety at +2 maturity, LG Beowulf benefits from OWBM resistance.

Variety icons key
Find it on page 3, opposite the contact details.

KWS Dawsum

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

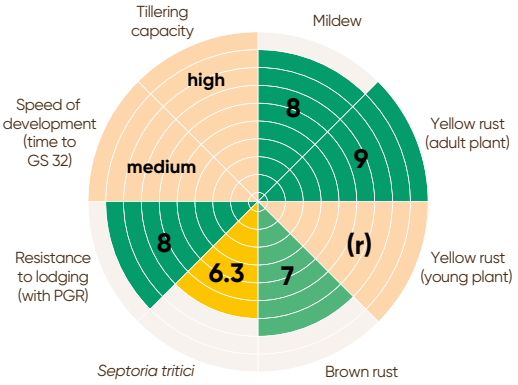
Early | 2nd wheat

Still the best combination of high specific weight and yield potential for growers. 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 logo	**UK Recommended, Listed 2022**
UK treated yield (% controls)*	**103**
East treated yield (% controls)	**103**
West treated yields (% controls)	**106**
North treated yield (% controls)*	**106**
Untreated yield (% controls)*	**89**
Protein All trials (%)*	**10.7**
HFN*	**310**
Specific weight (kg/hl)*	**79.9**

*AHDB Recommended List Winter Wheat 2025/26.

+1
Ripening days (+/- Skyfall)



The largest sown variety coming to harvest in 2025, KWS Dawsum continues to deliver the highest specific weights (79.9kg/hl) combined with excellent treated and untreated yields across the regions. An excellent disease package with very high resistance to mildew (8) and yellow rust (9) and Septoria (6.3). Suited to earlier drilling but growers should remember that disease scores slip the earlier the crop is sown – hence fungicide and PGR management advised.

Graham

Syngenta
Pedigree: **Premio x Expert**

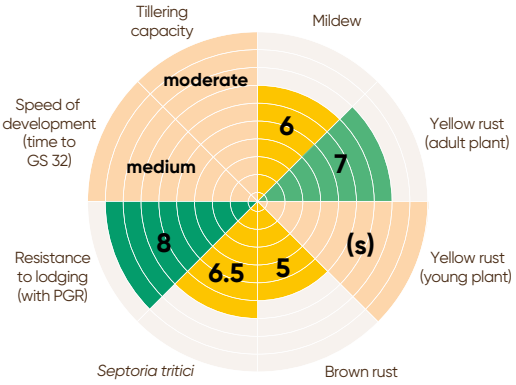
Early | 1st wheat

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 logo	**UK Recommended, Listed 2016**
UK treated yield (% controls)*	**103**
East treated yield (% controls)	**102**
West treated yields (% controls)	**105**
North treated yield (% controls)*	**104**
Untreated yield (% controls)*	**86**
Protein All trials (%)*	**10.8**
HFN*	**278**
Specific weight (kg/hl)*	**77.8**

*AHDB Recommended List Winter Wheat 2025/26.

−1
Ripening days (+/- Skyfall)



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 them 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.

Hard wheat early drilling specialists

LG Typhoon

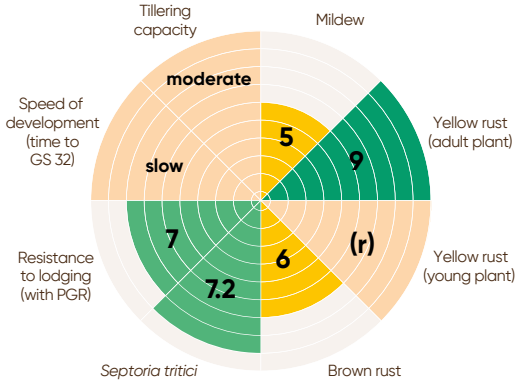
Limagrain
Pedigree: **Garrus x LGW88**

Amongst the pack for yields in this region 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 logo	**UK Recommended, Listed 2022**
UK treated yield (% controls)*	**101**
East treated yield (% controls)	**101**
West treated yields (% controls)	**101**
North treated yield (% controls)*	**103**
Untreated yield (% controls)*	**87**
Protein All trials (%)*	**10.6**
HFN*	**165**
Specific weight (kg/hl)*	**77.4**

*AHDB Recommended List Winter Wheat 2025/26.

+2
Ripening days (+/- Skyfall)



With the highest untreated yield of the hard Group 4s on the 2025/6 Recommended List, LG Typhoon has a strong set of disease characteristics including 9 for yellow rust, 7.2 for Septoria and 6 for mildew. This gives growers options to cope with very high disease pressures as well as flexibility with input timings. 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.

KWS Parkin

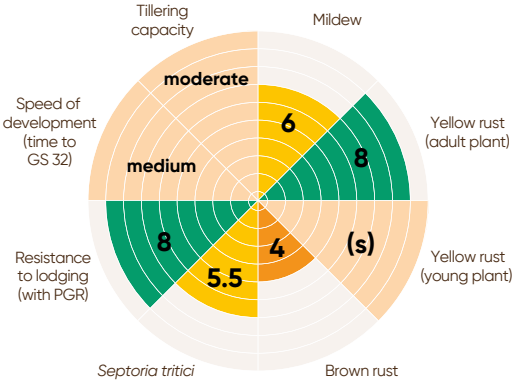
KWS UK Ltd
Pedigree: **Reflection x Costello**

A unique type with super stiff straw, very early maturity and great yield potential in the early sown slot.

Type	**UKFM Group 4, hard winter wheat**
AHDB recommended logo	**Not on RL**
UK treated yield (% controls)*	**102**
East treated yield (% controls)	**102**
West treated yields (% controls)	**101**
North treated yield (% controls)*	**[101]**
Untreated yield (% controls)*	**81**
Protein All trials (%)*	**11.5**
HFN*	**263**
Specific weight (kg/hl)*	**76.2**

*AHDB Recommended List Winter Wheat 2025/26.

−1
Ripening days (+/- Skyfall)



KWS Parkin is unique wheat that will be ideal for those looking to start before 25th September. Suited to a range of soil types, it's a very short (some 15cm taller than many of today's hard feeds) super stiff strawed variety that delivers its best yield performances on heavier soils. Another unique aspect of the variety is its earliness to harvest. At a -1, on larger farms or in certain locations, KWS Parkin gives the real possibility of starting to combine in July to help spread workloads.

Grafton

KWS UK Ltd

Pedigree: **Cordiale x W97**

Early

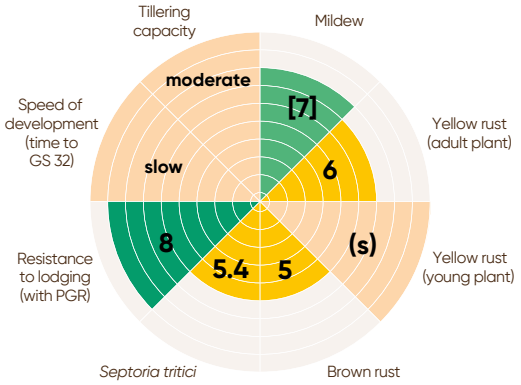
A unique type that remains popular on-farm thanks to its super stiff straw, potential in the early sown slot, very early maturity and good grain.

Type	**UKFM Group 4, hard winter wheat**
AHDB recommended logo	**Not on RL**
UK treated yield (% controls)*	**99**
East treated yield (% controls)	**99**
West treated yields (% controls)	**98**
North treated yield (% controls)*	**[[101]]**
Untreated yield (% controls)*	**74**
Protein All trials (%)*	**11.6**
HFN*	**324**
Specific weight (kg/hl)*	**79.1**

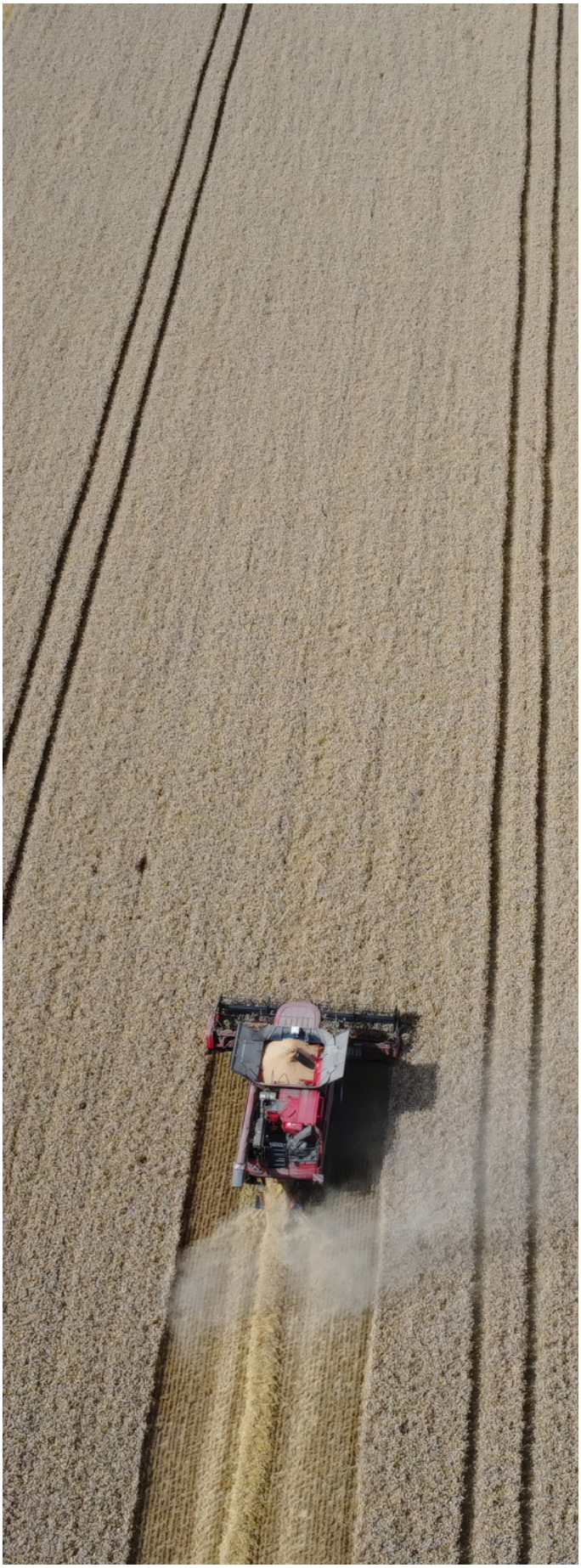
*AHDB Recommended List Winter Wheat 2018/19.

−1

Ripening days (+/- Skyfall)



Well established on-farm, Grafton is the tried and tested short and stiff strawed wheat with its best performances when early drilled, in the north and on heavier land. Good second wheat performance and its early maturity is ideal for those looking for an early entry to OSR. Excellent grain quality including high HFN and specific weights. An older variety, disease will need monitoring through-out the season.



Winter Wheat 2025/26

			Fungicide-treated grain yield (% treated control)				Untreated grain yield (% treated control)	Disease resistance							Agronomic features								
	Scope of recommendation	Variety status	United Kingdom (10.8 t/ha)	East region (10.7 t/ha)	West region (11.1 t/ha)	North region (10.8 t/ha)	United Kingdom (10.8 t/ha)	Mildew (1–9)	Yellow rust (1–9)	Yellow rust (young plant)	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	100	102	100	70	7	3	s	7	6.3	7@	6	–	8	8	1	1	85	76	0	6
KWS Vibe	UK	NEW	98	97	100	[99]	89	[7]	8	s	6	6.6	7@	6	–	8	8	1	1	88	79	+1	–
Skyfall	UK	C	97	97	97	96	64	6	3	s	8	5.9	6@	7	R	9	8	0	2	84	78	+0	5
SY Cheer	UK		96	96	97	98	82	7	8	r	6	6.0	4	7	–	8	7	1	2	90	83	+1	[6]
RGT Illustrious	UK		96	95	97	96	81	6	8	s	5	6.1	6@	6	–	8	9	1	1	90	81	+1	6
Crusoe	UK		95	94	96	94	72	6	8	s	3	6.5	6	7	–	8	8	1	2	83	77	+1	6
UKFM GROUP 2																							
KWS Arnie	UK	NEW	106	106	108	[103]	87	[5]	7	s	6	7.0	5	6	–	8	7	2	2	87	81	-0	–
KWS Equipe	UK	NEW	103	102	105	[100]	92	[7]	7	s	7	7.0	4	6	–	7	7	3	5	94	87	-1	–
KWS Newbie	UK	NEW	103	103	101	[107]	85	[5]	9	r	6	6.2	5	6	–	7	7	4	5	85	77	-0	–
LG Shergar	UK	NEW	102	102	103	[105]	87	[7]	7	s	6	6.7	5	6	–	8	8	1	1	81	76	+1	–
KWS Extase	UK	C	102	102	102	101	91	6	7	s	7	7.0	3	6	–	7	7	2	3	91	86	-1	6
KWS Ultimatum	UK		102	102	102	103	88	7	9	r	6	6.6	6	6	–	7	7	4	2	85	77	+2	[6]
KWS Palladium	UK		101	100	103	101	89	7	9	r	6	7.2	6	6	–	8	8	1	2	84	79	-1	[6]
Mayflower	UK		98	97	100	98	91	7	9	r	6	8.9	5@	6	–	6	7	4	3	88	82	+0	[7]
RGT Goldfinch	Sp	NEW	89	87	90	[91]	84	[7]	9	s	9	6.9	5	6	R	3	7	68	3	88	80	+3	–
UKFM GROUP 3																							
KWS Solitaire	UK	NEW	107	106	109	[108]	88	[6]	8	s	5	6.7	4	6	R	5	6	15	9	90	83	+1	–
Bamford	UK		106	106	107	107	90	6	7	s	6	6.6	6@	5	–	7	7	2	3	89	83	+1	[5]
KWS Flute	UK	NEW	106	106	106	[108]	80	[6]	6	s	5	6.2	5	6	R	6	7	8	4	83	77	+1	–
Almara	N		98	97	99	102	85	6	8	s	7	5.8	4	6	R	7	8	4	2	86	80	+2	[6]
LG Astronomer	UK	*C	97	97	97	98	83	4	9	s	8	5.7	5	6	R	7	8	2	1	88	80	+1	7
SOFT GROUP 4																							
LG Redwald	E&W		106	106	108	107	87	5	7	s	7	6.3	4	6	R	4	5	20	17	93	88	+2	[5]
RGT Hexton	UK	NEW	105	105	104	[111]	80	[6]	7	s	5	6.7	4	6	R	7	7	2	3	88	81	+2	–
KWS Zealum	N		102	102	102	103	81	6	9	s	5	6.2	5	7	R	6	8	5	2	89	82	+2	[6]
Blackstone	UK		102	102	101	104	83	6	9	r	6	5.9	5	8	R	8	7	1	2	91	83	+2	[7]
RGT Bairstow	N		101	101	101	102	80	6	8	s	6	5.7	4	6	R	6	7	7	4	90	82	+2	[6]
LG Skyscraper	UK	C	101	102	100	100	80	7	7	s	5	5.0	5	6	R	6	6	6	7	92	83	+0	6
HARD GROUP 4																							
KWS Scope	UK	NEW	108	106	111	[107]	85	[6]	7	s	6	6.5	4	6	R	8	8	2	2	89	80	+1	–
Champion	UK		107	106	109	105	86	5	8	r	5	7.6	4	6	R	7	7	3	5	88	81	+0	[6]
LG Beowulf	UK		105	106	104	107	85	6	9	r	4	6.6	6	6	R	8	8	1	2	88	80	+2	[6]
SY Insitor	N		105	105	104	107	75	7	3	s	5	6.5	5	7	R	6	7	5	3	94	83	+1	5
Oxford	E&W	*	104	104	105	102	86	5	9	r	6	6.5	5	6	R	8	7	2	2	85	79	+2	[6]
Gleam	UK	C	103	103	103	104	78	6	5	s	6	5.7	5	6	R	7	7	2	3	87	78	-0	6
KWS Dawsum	UK		103	103	103	106	89	8	9	r	7	6.3	5	7	–	8	7	2	2	84	77	+1	[6]
Graham	UK		103	102	105	104	86	6	7	s	5	6.5	4	6	–	7	8	3	2	89	81	-1	7
KWS Cranium	UK	*	101	101	100	103	76	4	9	r	5	5.7	5	7	R	7	8	2	2	89	82	+3	6
LG Typhoon	UK		101	101	101	103	87	6	9	r	6	7.2	5	6	R	7	7	2	2	86	79	+2	[5]
RGT Wolverine	Sp	*	98	97	99	98	70	5	5	s	7	6.0	6	6	–	7	7	3	3	86	79	+2	6
Costello	UK	*	97	98	96	99	80	8	9	r	5	5.7	5	7	–	8	8	1	1	84	76	+2	6

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	2020 (10.3 t/ha)	2021 (11.0 t/ha)	2022 (11.6 t/ha)	2023 (11.1 t/ha)	2024 (10.3 t/ha)	First cereal (11.1 t/ha)	Second and more (9.9 t/ha)	Early sown (before 25 Sept) (11.3 t/ha)	Late sown (after 1 Nov) (9.5 t/ha)	Latest safe-sowing date	Light soils (10.3 t/ha)	Heavy soils (11.3 t/ha)	Breeder	UK contact	Year first listed	RL status
UKFM GROUP 1																											
Y	–	–	Y	–	Hard	11.4	12.3	259	78.7	–	–	98	100	101	100	104	100	100	[100]	97	End Jan	98	100	KWS	KWS	17	–
Y	–	–	–	–	Hard	11.6	[13.2]	283	79.1	[312]	[1.0]	–	–	98	97	102	98	97	[[98]]	[[99]]	[[End Jan]]	[98]	98	KWS	KWS	25	P1
Y	–	–	–	–	Hard	11.5	12.8	280	79.4	267	1.0	96	97	96	98	98	97	98	95	97	End Feb	96	97	RAGT	RAGT	14	–
Y	–	–	–	–	Hard	11.5	12.8	299	79.8	[281]	[1.6]	–	97	98	96	96	97	95	[[97]]	[96]	[End Jan]	96	96	SCP	Syn	24	P2
Y	–	–	–	–	Hard	11.5	12.4	260	78.3	–	–	97	94	96	96	97	96	94	[100]	94	End Jan	95	95	R2n	RAGT	16	–
Y	–	–	Y	–	Hard	12.0	13.1	272	78.5	250	0.5	94	95	93	96	95	95	94	[[98]]	94	End Jan	94	94	Lim	Lim	12	–
UKFM GROUP 2																											
Y	–	–	–	–	Hard	10.9	[12.1]	287	79.1	[233]	[1.2]	–	–	105	105	108	106	105	–	[[101]]	[[End Jan]]	[103]	107	KWS	KWS	25	P1
Y	–	–	[Y]	–	Hard	11.3	[12.2]	305	79.5	[219]	[0.7]	–	–	102	102	104	103	101	–	[[102]]	[[End Jan]]	[101]	104	KWSMR	KWS	25	P1
Y	–	–	[Y]	–	Hard	11.0	[12.5]	305	78.4	[244]	[0.6]	–	–	105	102	104	103	103	–	[[103]]	[[End Jan]]	[104]	103	KWS	KWS	25	P1
Y	–	–	–	–	Hard	10.9	[11.9]	289	80.4	[299]	[0.9]	–	–	102	103	104	103	100	[[101]]	[[104]]	[[Mid Feb]]	[103]	103	–	Lim	25	P1
Y	–	–	Y	–	Hard	11.2	12.3	287	79.2	208	0.7	100	102	102	101	104	102	102	102	101	End Jan	102	103	Mom	KWS	19	–
Y	–	–	Y	–	Hard	11.1	12.3	275	79.9	192	0.7	[103]	100	101	101	105	102	101	[103]	101	End Jan	102	101	KWS	KWS	23	–
Y	–	–	–	–	Hard	11.1	12.2	309	77.7	[186]	[0.7]	[101]	98	101	101	107	101	100	[[99]]	100	End Jan	100	101	KWS	KWS	22	–
Y	–	–	Y	–	Hard	11.4	12.6	299	79.2	213	0.8	[97]	95	97	98	105	98	98	102	94	Mid Feb	98	97	ElsW	Els	22	–
Y	–	–	–	–	Hard	11.5	[13.1]	279	78.2	[311]	[1.6]	–	–	90	88	91	89	87	–	[[87]]	[[End Jan]]	[92]	88	RAGT	RAGT	25	P1
UKFM GROUP 3																											
–	Y	H	–	[Y]	Soft	10.6	[11.8]	179	77.1	[101]	[0.4]	–	–	107	106	110	107	105	[[111]]	[[104]]	[[End Jan]]	[105]	106	KWS	KWS	25	P1
–	Y	M	–	[Y]	Soft	10.7	11.6	247	78.7	108	0.5	–	104	106	106	109	106	106	107	[104]	[Mid Feb]	106	106	ElsW	Els	24	P2
–	Y	M	–	[Y]	Soft	10.7	[11.9]	198	78.4	[102]	[0.4]	–	–	106	105	109	106	107	[[111]]	[[104]]	[[End Jan]]	[107]	106	KWS	KWS	25	P1
–	Y	M	–	[Y]	Soft	10.8	12.2	193	77.9	102	0.3	–	100	99	99	99	99	97	[[100]]	[[97]]	[Mid Feb]	[101]	98	KWS	Sen	24	P2
–	Y	M	–	–	Soft	11.2	12.4	241	78.2	[101]	[0.4]	99	97	97	97	97	97	96	99	97	End Jan	98	97	LimEur	Lim	21	*
SOFT GROUP 4																											
–	–	M	–	–	Soft	10.5	11.6	154	75.7	–	–	[106]	106	107	105	110	106	107	[104]	104	Mid Feb	106	106	LimEur	Lim	23	–
–	–	M	–	[Y]	Soft	10.4	[11.3]	236	77.0	[98]	[0.5]	–	–	105	106	109	105	108	[[111]]	[[103]]	[[End Jan]]	[107]	105	RAGT	RAGT	25	P1
–	–	M	–	–	Soft	10.4	11.6	206	76.8	[68]	[0.3]	[103]	101	103	102	103	102	104	105	[[103]]	End Jan	102	102	KWS	KWS	23	–
–	–	M	–	–	Soft	10.7	11.7	295	78.6	128	0.5	–	102	103	102	101	102	101	101	[104]	[End Feb]	103	101	ElsW	Els	24	P2
–	–	H	–	–	Soft	10.6	11.7	227	76.6	–	–	[103]	101	102	102	99	101	102	100	104	End Feb	103	101	RAGT	RAGT	22	–
–	–	M	–	–	Soft	10.8	11.9	205	77.1	–	–	102	101	102	100	98	101	102	101	102	End Jan	101	101	LimEur	Lim	19	–
HARD GROUP 4																											
–	–	–	–	–	Hard	10.4	[11.3]	247	78.9	–	–	–	–	106	107	111	108	106	[[110]]	[[104]]	[[End Jan]]	[105]	107	KWS	KWS	25	P1
–	–	–	–	–	Hard	10.7	11.9	246	75.6	–	–	[105]	106	106	106	111	107	107	108	106	Mid Feb	106	108	DSV	DSV	22	–
–	–	–	–	–	Hard	10.9	12.2	253	78.5	–	–	–	106	105	106	105	106	105	105	[106]	[Mid Feb]	103	106	LimEur	Lim	24	P2
–	–	–	–	–	Hard	10.3	11.2	272	78.8	–	–	103	105	105	106	107	105	107	[107]	102	End Jan	107	104	SyP	Syn	20	–
–	–	–	–	–	Hard	10.9	12.2	211	76.2	–	–	[105]	102	102	105	105	104	105	105	104	Mid Feb	103	105	DSV	DSV	23	*
–	–	–	–	–	Hard	10.6	11.5	221	77.1	–	–	103	104	103	104	103	103	103	103	103	Mid Feb	103	103	SyP	Syn	18	–
–	–	–	–	–	Hard	10.7	11.7	310	79.9	–	–	[105]	103	103	104	103	103	103	105	103	End Jan	105	103	KWS	KWS	22	–
–	–	–	–	–	Hard	10.8	11.8	278	77.8	–	–	102	103	103	102	107	103	101	103	100	End Jan	103	103	SyP	Syn	16	–
–	–	–	–	–	Hard	10.7	11.6	293	75.8	–	–	104	99	102	102	100	101	102	[102]	102	Mid Feb	103	101	KWS	KWS	21	*
–	–	–	–	–	Hard	10.6	11.8	165	77.4	–	–	[102]	100	98	101	107	101	102	103	102	End Jan	101	101	LimEur	Lim	22	–
–	–	–	–	–	Hard	10.5	11.5	279	76.3	–	–	101	94	101	100	95	98	97	100	98	End Jan	97	98	R2n	RAGT	21	*
–	–	–	–	–	Hard	11.2	12.2	330	81.3	–	–	99	99	98	98	94	98	96	99	99	End Jan	99	96	KWS	Sen	15	*

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 around 3% of the total UK crop coming to harvest in 2025.

Primarily due to the yield developments in winter wheat, the new generation spring wheats are putting yield back into the mix along with good grain a wide sowing window and faster establishment.

More and more frequently, drilling September onwards is hampered by the UKs weather – winter and November sown spring wheats are therefore important tools to hand-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 an 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**

OW BM

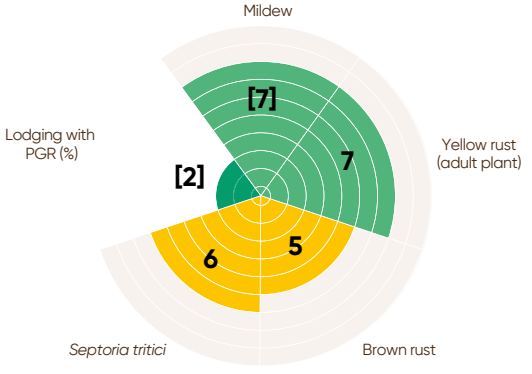
Best in class combination of yield potential Group 1 baking performance and OWBM resistance.

Type	**UKFM Group 1 spring wheat**
AHDB recommended logo	**UK Recommended, Listed 2023**
UK treated yield (% controls)*	**101**
Protein All trials (%)*	**12.8**
HFN*	**325**
Specific weight (kg/hl)*	**78.9**

*AHDB Recommended List Spring Wheat 2025/26.

−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: K**WS Sywell x KWS Talland**

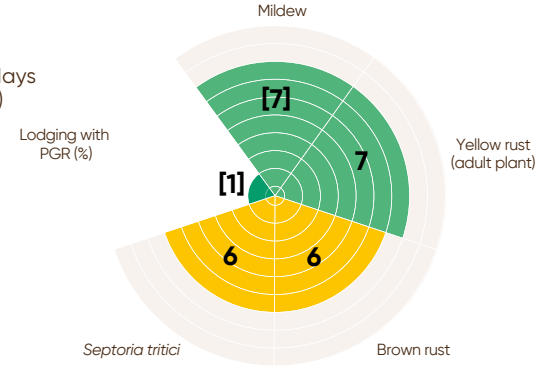
The first spring wheat to take Group 1 yields a step ahead of Mulika.

Type	**UKFM Group 1 spring wheat**
AHDB recommended logo	**UK Recommended, Listed 2022**
UK treated yield (% controls)*	**99**
Protein All trials (%)*	**13.4**
HFN*	**324**
Specific weight (kg/hl)*	**78.5**

*AHDB Recommended List Spring Wheat 2025/26.

0

Ripening days (+/- Mulika)



In the spring sown slot, KWS Ladum is massive 5% ahead of Mulika in terms of yield. Very good grain includes high proteins (13.4%), Hagberg (324) and a specific weight (78.5 kg/hl), with Group 1 milling and baking performance. A good balanced disease package includes [7] for mildew, 7 for yellow rust, 6 for brown rust and a good 6 for Septoria is 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**

OW BM

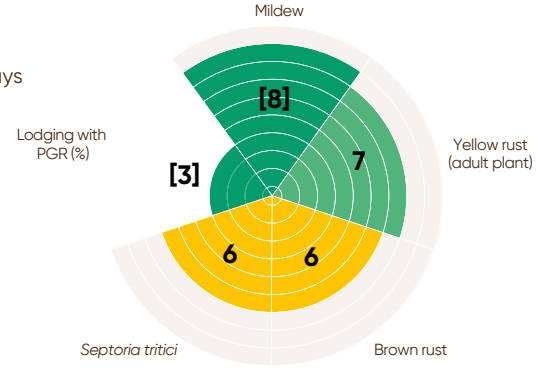
Superb grain quality with high yield potential and earliness to harvest.

Type	**UKFM Group 2 spring wheat**
AHDB recommended logo	**UK Recommended, Listed 2023**
UK treated yield (% controls)*	**104**
Protein All trials (%)*	**13.2**
HFN*	**341**
Specific weight (kg/hl)*	**80.6**

*AHDB Recommended List Spring Wheat 2025/26.

-1

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 weight, on the recommended list for spring wheat 2025/6. 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.

Spring Wheat 2025

			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	
	Scope of recommendation	Variety status	Fungicide-treated (7.5 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/hl)	2020 (6.5 t/ha)	2021 (7.8 t/ha)	2022 (7.3 t/ha)	2023 (6.9 t/ha)	2024 (8.8 t/ha)	Breeder	UK contact	Year first listed	RL status
UKFM GROUP 1																								
STR Pace	UK	NEW	101	[8]	5	7	[6]	–	–	80	-1	Hard	13.0	303	81.2	–	–	101	[105]	[98]	Str	AgV	25	P1
KWS Harsum	UK		101	[7]	7	5	6	R	[2]	78	1	Hard	12.8	325	78.9	[100]	103	98	[99]	[104]	KWS	KWS	23	–
KWS Ladum	UK	C	99	[7]	7	6	6	–	[1]	74	0	Hard	13.4	324	78.5	[97]	100	100	[97]	[98]	KWS	KWS	22	–
Nissaba	UK		94	[5]	5	9	6	R	[2]	76	2	Hard	13.5	312	77.3	[95]	94	91	[96]	[95]	BA	BA	22	–
Mulika	UK		94	6	6	7	6	R	[4]	79	0	Hard	13.9	327	77.8	[93]	93	96	[94]	[91]	BA	Sen	11	–
UKFM GROUP 2																								
KWS Bezique	UK	NEW	104	[8]	7	6	[6]	R	–	76	+1	Hard	12.9	318	79.2	–	–	104	[102]	[106]	KWS	KWS	25	P1
KWS Alicium	UK		104	[8]	7	6	6	R	[3]	84	-1	Hard	13.2	341	80.6	[100]	103	104	[106]	[105]	KWSGmbh	KWS	23	–
WPB Mylo	UK		102	[8]	9	8	7	–	[1]	73	+2	Hard	12.9	301	77.6	–	101	100	[104]	[103]	WPB	NPZU	24	P2
KWS Cochise	UK	C	99	8	4	7	6	R	[2]	78	+0	Hard	13.4	265	79.0	[100]	98	97	[100]	[101]	KWS	KWS	17	–
HARD GROUP 4																								
Everlong	UK		105	[8]	7	7	6	–	[20]	79	-1	Hard	12.9	330	80.9	–	103	108	[106]	[103]	SE	COPE	24	P2
WPB Fraser	UK	NEW	105	[8]	8	5	[6]	–	–	79	+0	Hard	12.5	232	75.8	–	–	104	[107]	[103]	WPB	Lim	25	P1
Ophelia	UK	NEW	104	[8]	6	6	[6]	–	–	78	-1	Hard	12.0	267	80.3	–	–	105	[104]	[103]	–	Els	25	P1
KWS Fixum	UK		104	[8]	6	7	6	–	[0]	78	+2	Hard	12.9	241	77.9	[107]	104	104	[100]	[104]	KWS	KWS	22	–

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 380,000ha (AHDB Early Bird Survey) hectares planted, harvest 2025, is expected to see one of the smaller winter barley crops of some time; mostly due to the significant reduction 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 2025

- There's no better entry into oilseed rape.
- Winter barley is routinely the first crop to be harvested, so helping 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 access premiums available in the winter mating sector.

Winter Barley driling 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 severly impacted						
Craft	Conventional 2-row malting												
Buccaneer	Conventional 2-row malting												
SY Kestrel	Hybrid 6-row feed												
Inys	Hybrid 6-row feed												
SY Kingsbarn	Hybrid 6-row												
SY Kingston	Hybrid 6-row feed												
KWS Valencis	Conventional 2-row feed												
LG Caravelle	Conventional 2-row feed												
Kitty	Conventional 2-row feed												
KWS Tardis	Conventional 2-row feed												

Optimum drilling date.

Possible drilling date but decision should be based on seed bed quality, soil termperature 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, very competitive with brome and ryegrass than conventional winter barley or wheat.

What's new for 2025?

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 of recent times are prevalent at drilling and so push drilling later and spreads the workload at this busy time on-farm.
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.

Inys

Super stiff, reliable straw

The highest yielding barley at 109% control

A great all-round disease package that results in high untreated yields of 90% untreated controls.

SY Quantock

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

SY Quantock has a good set of disease scores backed by stiffer straw and lower brackling (13%)

Inys

KWS UK Ltd

NEW · BaY MV1 · Late

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

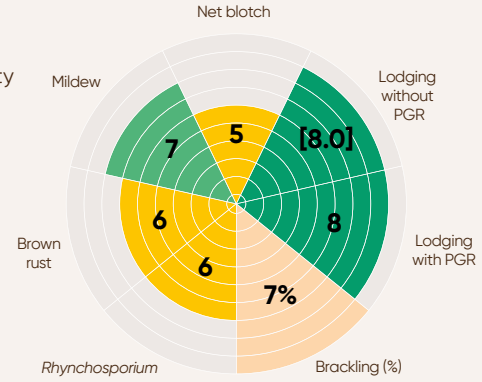
Type	**Hybrid, six-row feed winter barley**
AHDB recommended logo	**UK Recommended Listed 2025**
UK yield (% controls)*	**109**
East (% controls)*	**109**
West (% controls)	**[112]**
North (% controls)	**[106]**
Untreated yield (% controls)*	**90**
Specific weight (kg/hl)	**69.3**

*AHDB Recommended List Winter Barley 2025/26.

Inys is the first 6 row hybrid from KWS and has been added to the 2025/26 Recommended List as the highest yielding barley at 109% control. The hybrid performs well across all the regions, with its best performances to date in the west ([112%]). This high yield is bolstered by a great all-round disease package and super stiff straw that results in high untreated yields of 90% untreated controls. It is early to mature ([-1] days +/- KWS Orwell) has reasonable. Specific weight of 69.3kg/hl.

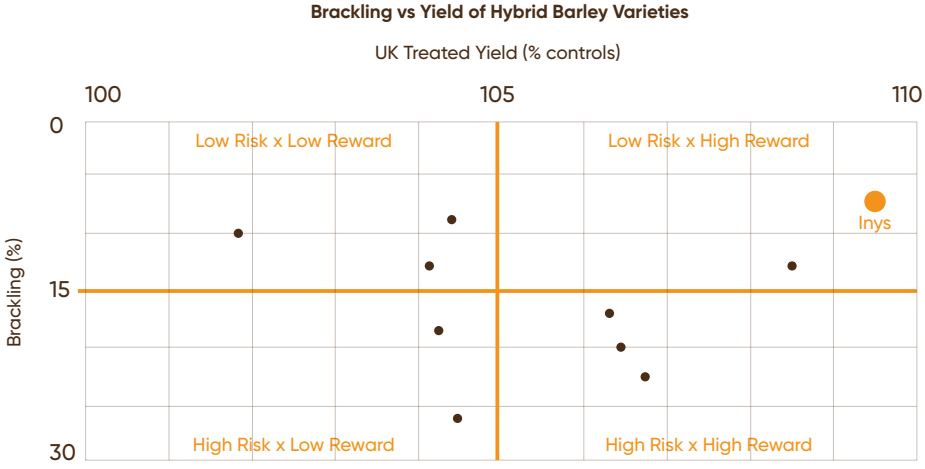
−1

Earliness of maturity (+/- KWS Orwell)



Inys – hybrid barley, a high reward low risk WB variety

Data Source: 2020-24 Recommended List for Winter Barley



SY Quantock

Syngenta

NEW BaY MV1 Late

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

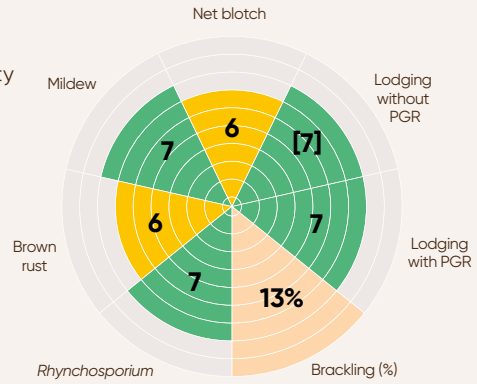
Type	**Hybrid, six-row feed winter barley**
AHDB recommended logo	**UK Recommended Listed 2025**
UK yield (% controls)*	**109**
East (% controls)*	**106**
West (% controls)	**[112]**
North (% controls)	**[109]**
Untreated yield (% controls)*	**93**
Specific weight (kg/hl)	**70.4**

*AHDB Recommended List Winter Barley 2025/26.

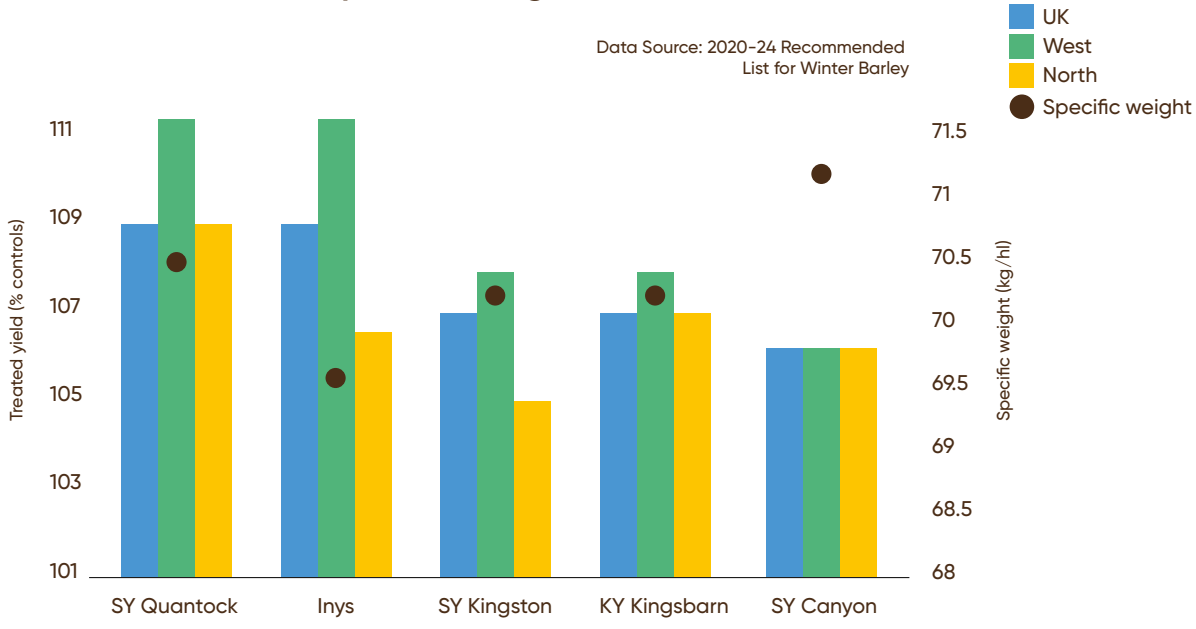
A truly flexible hybris that has shown excellent performances across a range of sites and seasons. The highest untreated yield of the recommended hybrid barleys, SY Quantock has a good set of disease scores backed by stiffer straw and lower brackling (13%) than on-farm favourites SY Kingsbarn and SY Kingston. High specific weight of 70.4kg/hl completes this attractive package.

Variety icons key
Find it on page 3, opposite the contact details.

-1
Earliness of maturity (+/- KWS Orwell)



SY Quantock – hybrid barley, with high yields and specific weight in the west and north



SY Kingsbarn

Syngenta

BaY MV1

Late

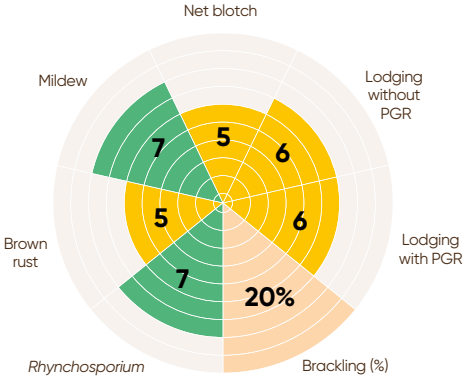
Tried and tested hybrid yields coupled with good grain.

Type	**Hybrid, six-row feed winter barley**
AHDB recommended logo	**UK Recommended Listed 2019**
UK yield (% controls)*	**107**
East (% controls)*	**106**
West (% controls)	**108**
North (% controls)	**107**
Untreated yield (% controls)*	**82**
Specific weight (kg/hl)	**70.2**

*AHDB Recommended List Winter Barley 2025/26.

-1

Ripening days
(+/- KWS Orwell)



SY Kingston

Syngenta

BaY MV1 Late

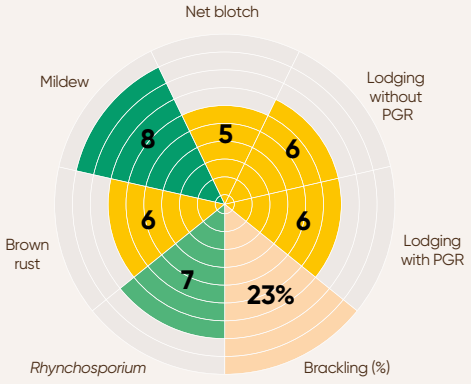
A strong performer for more northern growers with consistently good yields and good resistance to mildew (8).

Type	**Hybrid, six-row feed winter barley**
AHDB recommended logo	**UK Recommended Listed 2021**
UK yield (% controls)*	**107**
East (% controls)*	**107**
West (% controls)	**108**
North (% controls)	**105**
Untreated yield (% controls)*	**85**
Specific weight (kg/hl)	**70.2**

*AHDB Recommended List Winter Barley 2025/26.

-1

Ripening days (+/- KWS Orwell)



SY Kingston and SY Kingsbarn head-to-head

	Character	SY Kingston	SY Kingsbarn
Yield potential	UK treated yield (% controls)	107	107
	East treated yield (% controls)	107	106
	West treated yield (% controls)	108	108
	North treated yield (% controls)	105	107
	UK untreated yield (% controls)	85	82
	Light land (% controls)	106	106
	Heavy land (% controls)	102	103
Quality	Specific weight (kg/hl)	70.2	70.2
	Screenings (% 2.5 mm)	8.7	5.4
Diesaease	Mildew	8	7
	Brown rust	6	5
	Rhynchosporium	7	7
	Net blotch	5	5
Agronomics	Lodging + PGR	6	6
	Lodging – PGR	6	6
	Brackling (%)	17	18
	Ripening +/- KWS Orwell	-1	-1

Data Source: 2020-24 Recommended List for Winter Barley

SY Kestrel

Syngenta

NEW · BaY MV1 · BYDV resistant · WDV tolerant · Early · Late

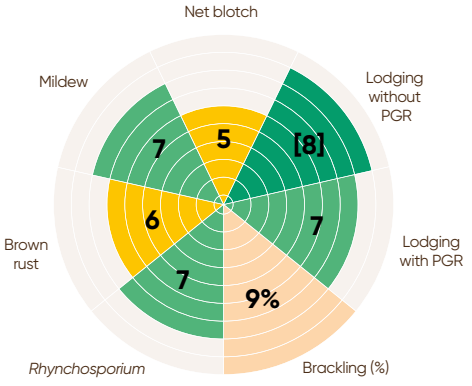
Next generation hybrid barley offering hybrid yields, stiff straw and broad-spectrum viral protection.

Type	**Hybrid, six-row feed winter barley**
AHDB recommended logo	**UK Recommended for specialist use – BYDV**
UK yield (% controls)*	**104**
East (% controls)*	**102**
West (% controls)	**[108]**
North (% controals)	**[104]**
Untreated yield (% controls)*	**86**
Specific weight (kg/hl)	**68.7**

*AHDB Recommended List Winter Barley 2025/26.

-1

Ripening days (+/- KWS Orwell)



SY Kestrel is an exciting new hybrid barley which brings in-built viral protection to growers offering complete resistant 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 an take advantage of SFI schemes available, or growers looking for reliable varieties to widen the drilling window of hybrid barley.

Buccaneer

Saaten Union UK

BaY MV1 · brewing

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

Type	**Conventional, 2-row malting**
AHDB recommended logo	**UK Recommended, Listed 2023**
UK treated yield (% controls)*	**99**
East (% controls)*	**100**
West (% controls)	**98**
North (% controls)	**99**
Untreated yield (% controls)*	**89**
Specific weight (kg/hl)	**69.5**

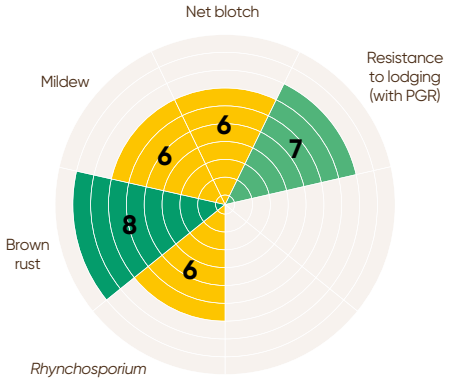
*AHDB Recommended List Winter Barley 2025/26.

91

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 including8 for brown rust. Like many other winter malting types, Buccaneer is taller strawed but stiff strawed with good resistance to brackling (5%).

Variety icons key
Find it on page 3, opposite the contact details.

Craft

Syngenta Seeds
Pedigree: **SY 208-56 x SY Venture**

BaY MV1 brewing

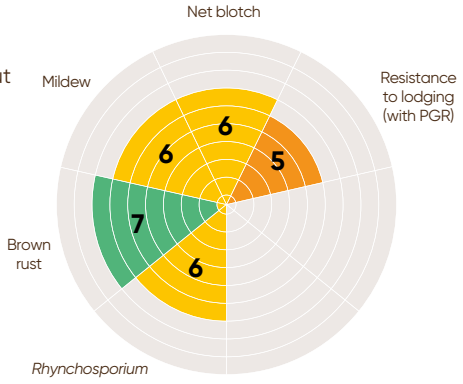
Consistent yields are backed by good support from end users.

Type	**Conventional, 2-row malting**
AHDB recommended logo	**UK Recommended, Listed 2016**
UK treated yield (% controls)*	**93**
East (% controls)*	**93**
West (% controls)	**93**
North (% controls)	**93**
Untreated yield (% controls)*	**81**
Specific weight (kg/hl)	**69.7**

*AHDB Recommended List Winter Barley 2025/26.

90
Straw length without PGR (cm)

0
Ripening days (+/- KWS Orwell)



Tried and tested over many seasons, Craft remains the malting industries 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 (7) completes this reliable variety.

KWS Valencis

KWS UK Ltd
Pedigree: **KWS Tardis x KWS Caribou**

NEW BaY MV1

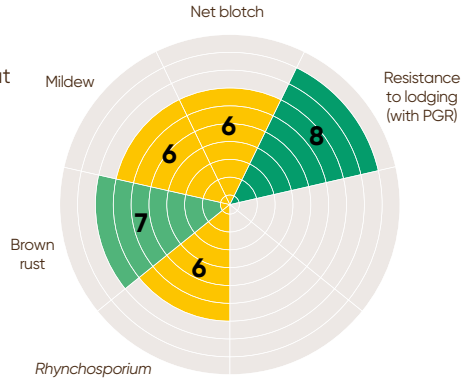
Very high yielding across all the regions with good specific weight and similar maturity to on-farm favourite KWS Orwell.

Type	**Conventional, 2-row feed**
AHDB recommended logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**106**
East (% controls)*	**107**
West (% controls)	**[104]**
North (% controls)	**[106]**
Untreated yield (% controls)*	**91**
Specific weight (kg/hl)	**69.8**

*AHDB Recommended List Winter Barley 2025/26.

88
Straw length without PGR (cm)

0
Ripening days (+/- KWS Orwell)



New for growers drilling 2025, is the highest yielding conventional 2-row feed barley on the 2025/6 Recommended List, KWS Valencis at 106% of controls. KWS Valencis has shown consistent performance across the country and over the last three years with good grain characteristics, too. It performs particularly well on light soils ([108%]) and its untreated yield of 91% 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**

BaY MV1

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 logo	**UK Recommended, Listed 2023**
UK treated yield (% controls)*	**106**
East (% controls)*	**107**
West (% controls)	**105**
North (% controls)	**104**
Untreated yield (% controls)*	**91**
Specific weight (kg/hl)	**71.4**

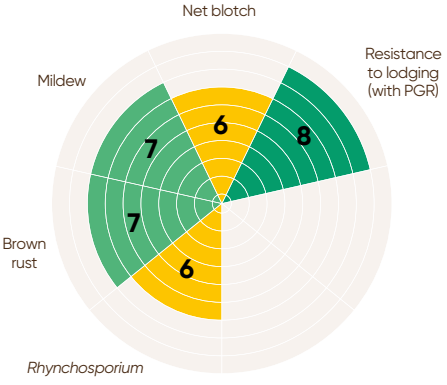
*AHDB Recommended List Winter Barley 2025/26.

85

Straw length without PGR (cm)

0

Ripening days (+/- KWS Orwell)



A consistently high yielding 2-row feed for all regions of the UK, LG Caravelle offers growers one of the best specific weights on the RL (71.4kg/hl) with low screenings (1.8% and 5.1% through a 2.25mm and 2.5mm sieve respectively). It performs well on light (104%) and heavy land (106%), 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**

NEW BaY MV1 BaY MV2

A first choice, low risk winter barley for growers, especially those in the north thanks to superb yields potential, the highest specific weight and lowest brackling score of any winter barley on the 2025/26RL.

Type	**Conventional, 2-row feed**
AHDB recommended logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**104**
East (% controls)*	**104**
West (% controls)	**[102]**
North (% controls)	**[108]**
Untreated yield (% controls)*	**81**
Specific weight (kg/hl)	**72.7**

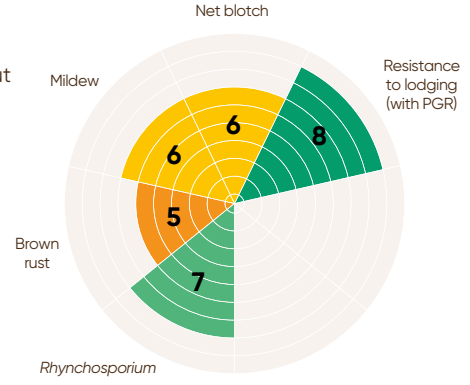
*AHDB Recommended List Winter Barley 2025/26.

86

Straw length without PGR (cm)

+2

Ripening days (+/- KWS Orwell)



Following-on from 2-row feed variety, Valerie, Kitty brings Rym5 resistance to winter barley growers offering protection from both soil-borne BaYMV strains 1 and 2. In the north Kitty has huge yields potential at [108%] of controls and the highest specific weight of any variety on the 2025/26 Recommended List for Winter Barley at 72.7kg/hl with low screenings (1.7% through 2.25mm sieve). Furthermore the variety has good resistance to lodging coupled with the lowest score of brackling in the conventional 2-row feed sector (3%). Performing well across the rotation, Kitty has a maturity of +2 days compared with KWS Orwell.

KWS Tardis

KWS UK Ltd

Pedigree: **11-12 x KWS Orwell**

BaY MV1

A 2-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 logo	**UK Recommended, Listed 2021**
UK treated yield (% controls)*	**103**
East (% controls)*	**104**
West (% controls)	**101**
North (% controls)	**104**
Untreated yield (% controls)*	**85**
Specific weight (kg/hl)	**70.1**

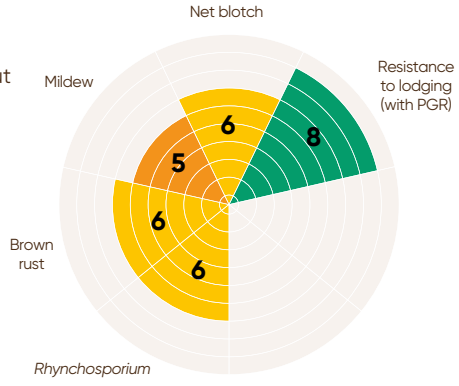
*AHDB Recommended List Winter Barley 2025/26.

85

Straw length without PGR (cm)

0

Ripening days (+/- KWS Orwell)



The UK's most widely grown winter barley variety for Harvest 2025, KWS Tardis is a tried and tested conventional feed that continues to perform no mater this site nor the season. Northern growers will be impressed by its stiff straw, along with Kitty these are the only 2-rows to have twin 8s for standing with and without PGR. In addition KWS Tardis has an excellent disease package, boasting 6s for *Rhynchosporium*, net blotch and brown rust and a better mildew score at 5 than its parent KWS Orwell. It's also early to mature (0 days +/- KWS Orwell) and delivers marketable grain with a very good specific weight (70.1 kg/hl) and low screenings.

Winter Barley 2025/26

			Fungicide-treated grain yield (% treated control)				Untreated grain yield (% treated control)	Disease resistance							Agronomic features				
	Scope of recommendation	Variety status	United Kingdom (5.1 t/ha)	East region (5.0 t/ha)	West region (9.6 t/ha)	North region (5.7 t/ha)	United Kingdom (9.6 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-ROW MALTING																			
Buccaneer	UK		99	100	98	99	89	6	8	6	6	–	–	–	7	7	7	4	96
Electrum	UK	*C	96	96	96	96	80	6	7	5	6	–	–	–	7	6	5	4	99
Craft	UK	C	93	93	93	93	81	6	7	6	5	–	–	–	8	8	2	1	96
TWO-ROW FEED																			
KWS Valencis	UK	NEW	106	107	[104]	[106]	91	6	7	6	6	–	–	–	[6]	8	[11]	1	93
LG Caravelle	UK		106	107	105	104	91	7	7	6	6	–	–	–	7	8	4	2	91
LG Capitol	UK		106	107	[104]	105	90	6	7	6	5	–	–	–	7	7	4	3	88
Russo	E	NEW	106	108	[105]	[103]	90	5	6	5	6	–	–	–	[7]	7	[9]	3	92
NOS Olena	UK	NEW	106	106	[103]	[108]	87	6	6	6	6	–	–	–	[6]	8	[12]	1	92
KWS Heraclis	N	NEW	104	105	[102]	[108]	91	6	7	5	5	–	–	–	[7]	8	[5]	1	89
Kitty	UK	NEW	104	104	[102]	[108]	81	6	5	7	6	R	–	–	[8]	8	[2]	1	94
Rosemary	N	NEW	104	106	[100]	[106]	90	5	7	6	6	–	–	–	[5]	7	[30]	2	98
SU Arion	E&N	NEW	104	107	[99]	[105]	86	8	6	6	7	–	–	–	[7]	6	[8]	4	92
KWS Tardis	UK	C	103	104	101	104	85	5	6	6	6	–	–	–	8	8	2	1	93
Bolivia	UK	*	103	104	100	103	88	8	8	6	6	–	–	–	7	7	8	2	91
Bolton	UK		102	104	101	101	87	6	7	5	6	–	–	–	8	8	2	1	92
Organa	UK Sp	NEW	102	105	[100]	[100]	90	6	7	7	5	–	To	–	[6]	7	[19]	3	106
LG Carpenter	E&W Sp	NEW	102	104	[101]	[97]	92	6	7	7	7	–	To	–	[5]	6	[30]	6	97
Valerie	UK	*	99	99	97	100	73	7	4	6	6	R	–	–	8	8	3	1	92
SIX-ROW FEED																			
Inys#	UK	NEW	109	109	[112]	[106]	90	7	6	6	5	–	–	–	[8]	8	[1]	1	114
SY Quantock#	UK	NEW	109	106	[112]	[109]	93	7	6	7	6	–	–	–	[7]	7	[4]	2	112
SY Kingston#	UK	*	107	107	108	105	85	8	6	7	5	–	–	–	6	6	17	7	117
SY Kingsbarn#	UK	C	107	106	108	107	82	7	5	7	5	–	–	–	6	6	18	6	113
SY Canyon#	UK		106	105	106	106	91	7	6	7	5	–	–	–	6	6	11	6	116
Integral	UK Sp	NEW	105	105	[107]	[103]	91	4	6	6	6	–	To	–	[8]	8	[1]	1	102
Sixy	UK Sp	NEW	105	104	[105]	[107]	75	7	5	6	5	–	To	–	[8]	8	[1]	2	105
SY Nephin#	UK		105	106	103	104	91	6	6	7	6	–	–	–	7	6	9	6	111
SY Kestrel#	UK Sp	NEW	104	102	[108]	[104]	86	7	6	7	6	–	R	To	[8]	7	[2]	2	116
Belfry#	UK	*	104	104	104	104	85	6	6	7	5	–	–	–	7	8	7	1	110
KWS Feeris	UK Sp	C	102	102	102	101	84	5	6	6	6	–	To	–	8	7	2	2	100

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)	MBC malting m – approval for brewing use	Specific weight (kg/hl)	Screenings (% through 2.25 mm)	Screenings (% through 2.5 mm)	Nitrogen content (%)	Hot water extract (l deg/kg)	2020 (9.3 t/ha)	2021 (9.8 t/ha)	2022 (9.9 t/ha)	2023 (10.0 t/ha)	2024 (9.8 t/ha)	Light soils (9.8 t/ha)	Heavy soils (9.0 t/ha)	Breeder	UK contact	Year first listed	RL status
91	5	1	F	69.5	2.3	6.6	1.68	307.6	101	98	99	98	98	98	100	Sej	SU	23	–
91	12	-1	F	69.8	107	108	107	306.4	96	96	96	97	96	95	97	SyP	Syn	18	*
90	13	0	F	69.7	104	105	105	307.7	94	94	92	92	93	94	94	SyP	Syn	16	–
88	8	0	–	69.8	69.8	2.1	6.1	–	–	–	105	105	106	[108]	[107]	KWS	KWS	25	P1
85	11	0	–	71.4	71.4	1.8	5.1	–	107	104	106	104	105	104	106	LimEur	Lim	23	–
84	12	0	–	69.9	69.9	2.0	5.9	–	–	105	106	105	105	105	[110]	Lim	Lim	24	P2
88	17	0	–	69.9	69.9	1.9	5.5	–	–	–	105	105	104	[104]	[105]	NS	Agr	25	P1
86	6	0	–	69.6	69.6	2.1	6.1	–	–	–	106	105	106	[109]	[106]	NS	Sen	25	P1
85	4	0	–	69.4	69.4	2.3	6.7	–	–	–	106	104	104	[105]	[106]	KWS	KWS	25	P1
86	3	+2	–	72.7	72.7	1.7	4.4	–	–	–	105	106	103	[106]	[104]	Bre	Sen	25	P1
88	9	+1	–	69.1	69.1	2.6	8.5	–	–	–	105	104	103	[106]	[105]	Ack	ElsAck	25	P1
89	27	0	–	68.8	68.8	1.5	4.1	–	–	–	104	104	102	[107]	[105]	Nord	SU	25	P1
85	7	0	–	70.1	70.1	1.9	5.5	–	103	103	102	103	103	103	106	KWS	KWS	21	–
88	22	0	–	69.9	69.9	1.5	3.9	–	104	101	105	102	101	104	104	NS	Agr	23	*
84	11	0	–	69.4	69.4	1.7	5.1	–	104	101	102	101	101	103	105	Ack	ElsAck	21	–
99	20	0	–	69.6	69.6	2.2	5.9	–	–	–	102	100	101	[97]	[103]	NS	Sen	25	P1
93	17	0	–	70.3	70.3	1.9	5.7	–	–	–	102	101	99	[98]	[105]	LimEur	Lim	25	P1
87	11	-1	–	70.6	70.6	1.1	2.7	–	99	98	100	100	98	100	100	Bre	Sen	19	–
106	7	–	–	69.3	1.7	5.9	–	–	–	–	109	109	108	[107]	[108]	SCP	KWS	25	P1
106	13	–	–	70.4	2.8	9.5	–	–	–	–	109	109	108	[109]	[108]	SCP	Syn	25	P1
109	23	–	–	70.2	2.7	8.7	–	–	107	105	107	107	106	106	102	SyP	Syn	21	*
105	20	–	–	70.2	1.5	5.4	–	–	106	106	108	109	106	106	103	SyP	Syn	19	–
108	15	–	–	71.1	1.9	6.1	–	–	105	106	107	106	105	106	101	SyP	Syn	22	–
95	4	–	–	69.4	1.7	5.2	–	–	–	–	105	105	105	[102]	[105]	Sec	Sec	25	P1
101	6	–	–	66.7	2.8	9.1	–	–	–	–	105	105	106	[110]	[102]	Ack	ElsAck	25	P1
104	26	–	–	70.9	3.2	11.0	–	–	104	105	104	104	104	105	103	SyP	Syn	23	–
106	9	–	–	68.7	1.5	4.4	–	–	–	–	105	105	105	[104]	[100]	SCP	Syn	25	P1
104	13	–	–	69.2	2.8	9.2	–	–	105	103	105	105	103	104	100	SyP	Syn	16	*
96	13	–	–	69.1	1.7	5.8	1.74	295.4	102	102	103	100	102	102	100	KWS	KWS	22	–

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.

SY Arrow

Syngenta UK Ltd

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

NEW

malt & brewing

Newly listed on the 2025/26 RL, SY Arrow brings high yields, good disease and Laureate maturity to the RL. Currently under 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 logo	**UK Recommended, Listed 2025**
UK treated yield (% controls)*	**104**
East (% controls)*	**104**
West (% controls)	**[105]**
North (% controls)	**103**
Untreated yield (% controls)*	**87**
Specific weight (kg/hl)	**67.7**

*AHDB Recommended List Spring Barley 2025/26.

New for spring malting growers in 2025/6, 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 (8) 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.

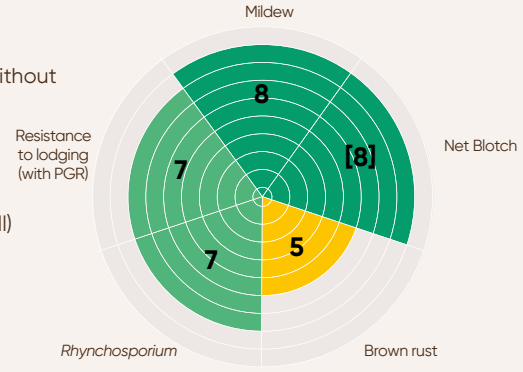
Variety icons key
Find it on page 3, opposite the contact details.

74

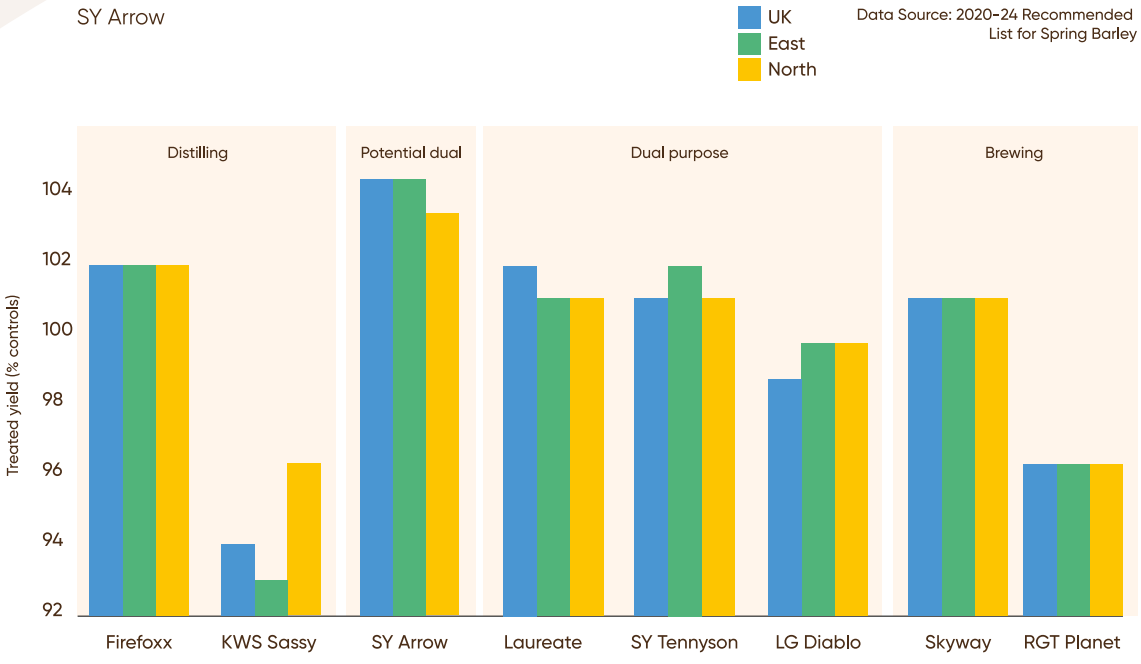
Straw length without PGR (cm)

+1

Ripening days (+/- KWS Orwell)



SY Arrow has excellent yield potential across all regions of the UK



Laureate

Syngenta UK Ltd

Pedigree: **Sanette x Concerto**

Accepted by all UK maltsters, the 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 logo	**UK Recommended, Listed 2016**
UK treated yield (% controls)*	**102**
East treated yield (% controls)	**101**
West treated yield (% controls)	**103**
North treated yield (% controls)*	**101**
Untreated yield (% controls)*	**89**
Specific weight (kg/hl)	**67.8**

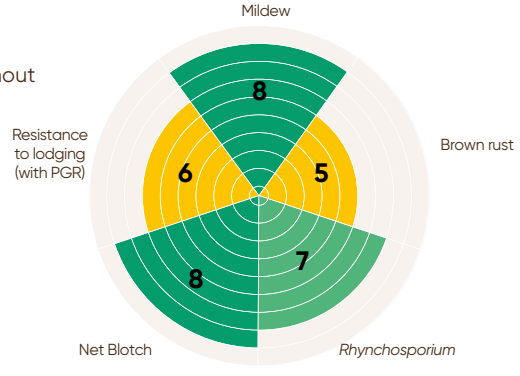
*AHDB Recommended List Spring Barley 2025/26.

70

Straw length without PGR (cm)

+1

Ripening days (+/- KWS Orwell)



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 (101% controls) over contrasting seasons. Laureate also has an impressive untreated yield is thanks to Laureate's good all-round disease package including scores of mildew and *Rhynchosporium* of 8 and 7, respectively. A shorter strawed variety (70cm) 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.

RGT Planet

RAGT Seeds

Pedigree: **Tamtam x Concerto**

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

Type	**Conventional, 2-row spring malting barley**
AHDB recommended logo	**UK Recommended, Listed 2015**
UK treated yield (% controls)*	**96**
East treated yield (% controls)	**96**
West treated yield (% controls)	**95**
North treated yield (% controls)*	**96**
Untreated yield (% controls)*	**83**
Specific weight (kg/hl)	**69.3**

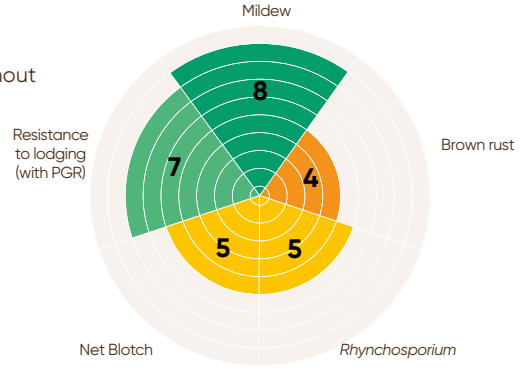
*AHDB Recommended List Spring Barley 2025/26.

74

Straw length without PGR (cm)

0

Ripening days (+/- KWS Orwell)



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

grain malt brewing

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 logo	**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.

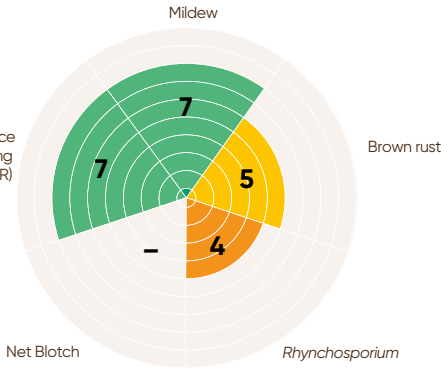
73

Straw length without PGR (cm)

+1

Ripening days (+/- KWS Orwell)

Resistance to lodging (with PGR)



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 2025/26

			Fungicide-treated grain yield (% treated control)				Untreated grain yield (% treated control)	Disease resistance				Agronomic features				Main market options	
	Scope of recommendation	Variety status	United Kingdom (7.8 t/ha)	East region (8.0 t/ha)	East region (8.0 t/ha)	North region (8.1 t/ha)	United Kingdom	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																	
Firefoxx	UK	C	102	102	102	102	86	8	4	6	7	7	71	+0	7	–	F
Laureate	UK	C	102	101	103	101	89	8	5	7	8	6	70	+1	7	F	F
Skyway	UK	C	101	101	102	101	87	8	4	7	6	7	76	+1	7	F	–
SY Tennyson	UK		101	102	101	101	84	8	4	5	5	[7]	71	+2	7	F	F
LG Diablo	UK	C	99	100	98	100	84	8	4	5	6	7	72	+3	7	F	F
RGT Planet	UK	C	96	96	95	96	83	8	4	5	5	7	74	+0	7	F	Nt
KWS Sassy	UK		94	93	94	96	82	8	5	6	5	6	79	+2	6	Nt	F
PROVISIONAL																	
Bounty	UK		106	107	106	105	87	8	4	6	7	[8]	70	+2	7	P	–
Belter	UK		104	104	104	104	90	8	5	6	6	[7]	68	+2	8	P	P
LG Aquarius	UK		103	105	103	101	88	8	4	5	6	[8]	71	+1	7	P	–
Diviner	UK		102	101	102	103	86	8	5	5	6	[7]	67	+1	7	Nt	P
SY Signet	UK		102	103	101	102	87	8	5	5	6	[7]	73	+2	7	P	–
Olsen	UK		102	103	101	102	88	8	4	5	7	[8]	71	+2	7	P	P
UNDER TEST FOR MALTING																	
Everlong	UK	NEW	104	104	[105]	103	87	8	5	7	[8]	[7]	74	+1	7	T	T
WPB Fraser	UK	NEW	103	102	[106]	103	93	8	5	5	[7]	[7]	71	+1	7	T	T
Ophelia	UK	NEW	103	101	[104]	103	90	8	5	6	[7]	[7]	72	+0	7	T	T
KWS Fixum	UK	NEW	102	101	[103]	102	91	8	4	7	[5]	[8]	76	+1	8	T	T
FEED																	
Hurler	UK		104	104	104	104	87	8	4	6	7	[8]	67	+2	8	–	–
NOS Gambit	UK		104	104	105	102	90	8	5	6	7	[7]	69	+1	8	Nt	–
DESCRIBED																	
Fairing	UK Gr.Dis		91	90	93	90	79	7	5	8	7	7	71	-2	7	–	–
CB Score	UK Null-Lox		99	98	99	100	86	9	5	6	8	7	72	+1	8	–	–
AVERAGE LSD (5%)																	
			2.3	3..0	4.0	2.6	2.5	0.5	0.8	1.4	1.8	1.0	1.5	1.0	0.4		

	Grain quality				4.6Malting 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)	2020 (7.7 t/ha)	2021 (8.0 t/ha)	2022 (7.9 t/ha)	2023 (7.7 t/ha)	2024 (7.8 t/ha)	Breeder	UK contact	Year first listed	RL status
APPROVED															
Firefoxx	67.8	1.1	3.1	[1.56]	[314.1]	[433.8]	102	102	102	102	86	Ack	ElsAck	20	–
Laureate	67.8	1.1	2.7	1.48	314.2	434.9	102	101	103	101	89	SyP	Syn	16	–
Skyway	69.9	0.8	1.9	1.51	314.1	–	101	101	102	101	87	NS	Agr	21	–
SY Tennyson	67.0	1.2	2.7	1.42	316.2	437.9	101	102	101	101	84	SyP	Syn	23	–
LG Diablo	68.4	1.2	3.0	1.48	314.2	436.0	99	100	98	100	84	LimEur	Lim	18	–
RGT Planet	69.3	1.0	2.9	1.50	313.5	–	96	96	95	96	83	RAGT	RAGT	15	–
KWS Sassy	69.6	0.8	2.9	–	–	–	94	93	94	96	82	KWS	KWS	16	–
PROVISIONAL															
Bounty	66.5	1.2	3.4	1.46	314.4	435.6	–	107	107	104	106	Ns	AgV	24	P2
Belter	68.2	0.8	2.1	1.50	314.0	436.3	–	104	104	103	105	Sec	Agr	24	P2
LG Aquarius	68.8	1.2	3.4	1.45	314.1	437.4	–	103	104	102	103	Lim	Lim	24	P2
Diviner	68.1	1.4	3.8	1.46	314.9	437.0	102	103	102	102	103	Sec	Agr	23	–
SY Signet	68.0	1.3	3.0	1.64	314.9	[433.2]	102	103	102	102	101	SyP	Syn	23	–
Olsen	67.5	1.5	3.9	1.46	315.7	436.5	–	102	103	102	102	Sej	Lim	24	P2
UNDER TEST FOR MALTING															
Everlong	67.7	1.1	2.9	1.39	315.8	437.8	–	–	103	104	105	SCP	Syn	25	P1
WPB Fraser	68.8	1.2	3.2	1.45	315.9	435.6	–	–	104	102	104	Sec	Agr	25	P1
Ophelia	69.4	1.3	2.8	1.48	314.9	436.6	–	–	103	103	102	Sec	Agr	25	P1
KWS Fixum	67.9	0.9	2.4	1.47	315.1	434.5	–	–	102	102	102	KWSGmbh	KWS	25	P1
FEED															
Hurler	66.9	1.3	3.8	[1.46]	312.7	[433.1]	104	105	104	103	104	Sec	Agr	23	–
NOS Gambit	67.8	0.8	1.8	1.49	313.5	–	–	103	104	104	104	Ns	Sen	24	P2
DESCRIBED															
Fairing	69.4	0.9	2.2	–	–	–	90	91	92	91	93	SyP	Syn	16	–
CB Score	68.4	1.2	3.0	[1.51]	311.8	–	98	99	99	98	100	Cal	ADM	22	–
AVERAGE LSD (5%)															
	0.6	0.3	0.8	0.05	2.0										


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 diets 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 supress 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. Their 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 years in four to reduce the potential 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 in one package.

Type	**Winter, husked oat**
AHDB recommended logo	**UK AHDB Recommended since 2023**
UK yield (% controls)*	**103**
Untreated yield (% controls)*	**84**
Specific weight (kg/hl)	**55.0**

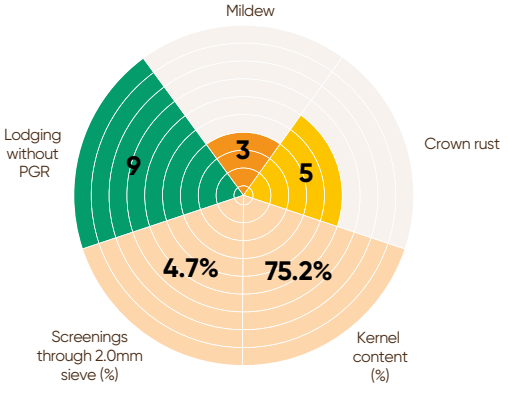
*AHDB Recommended List Winter Oats 2025/26.

107

Height without PGR (cm)

+1

Ripening days (+/- Mascani)



Yielding 8% ahead of Mascani, Cromwell brings better yields with very short and stiff straw to oat growers. Excellent grain quality including a specific weight of 55.0kg/hl and moderate screenings (4.7% through 2.0mm sieve) delivers a sample with excellent hullability in the mill. Moderate resistance to crown rust with a score of 5 but mildew 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 logo	**UK AHDB Recommended since 2004**
UK yield (% controls)*	**95**
Untreated yield (% controls)*	**77**
Specific weight (kg/hl)	**53.4**

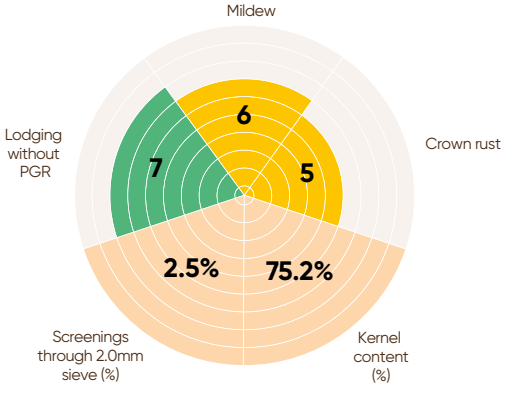
*AHDB Recommended List Winter Oats 2025/26.

128

Height without PGR (cm)

0

Ripening days (+/- Mascani)



The nations 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 crow rust, respectively. Oat millers enjoy the benefits of the varieties high kernel content, high specific weight, bold grain and low screening losses making it the UK's leading top quality milling variety.

Winter Oats 2025/26

			UK yield (% treated control)		Disease resistance		Agronomic features			Grain quality				Annual treated yield (% control)					Breeder/ UK contact		Status in RL system	
	Scope of recommendation	Variety status	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)	2020 (8.2 t/ha)	2021 (8.9 t/ha)	2022 (9.5 t/ha)	2023 (9.2 t/ha)	2024 (9.3 t/ha)	Breeder	UK contact	Year first listed	RL status
HUSKED VARIETIES																						
RGT Southwark	UK		106	90	4	7	5	136	0	72.8	54.4	5.7	–	106	108	107	104	107	R2n	RAGT	18	–
Dalguise	UK	C	103	75	4	4	4	134	-1	72.8	54.5	3.4	–	102	103	105	101	103	Sen	Sen	03	–
Cromwell	UK	C	103	84	3	5	9	107	+1	74.8	55.0	4.7	–	102	–	100	105	103	IBERS	Sen	23	–
Mascani	UK	C	95	77	6	5	7	128	0	75.2	53.4	2.5	–	96	97	95	94	93	IBERS	Sen	04	–
NAKED VARIETIES																						
Peloton	UK		77	67	8	6	7	127	+1	–	61.3	–	13.2	76	77	79	78	76	IBERS	Sen	17	–
Fusion[6]	UK		72	51	5	3	9	89	+3	–	59.8	–	23.3	73	72	73	72	71	IBERS	Sen	10	–

Year 4 Candidates																						
HUSKED VARIETIES																						
RGT Dempsey			106	89	3	6	–	139	+1	76.4	56.1	4.7	–	–	–	[101]	[105]	108	SCP	KWS	–	–
Rannoch			105	92	5	8	–	133	0	74.6	51.9	2.4	–	–	–	[103]	[104]	104	SCP	Syn	–	–
KWS Pertinent			96	75	4	4	–	[134]	-2	74.6	55.4	2.2	–	–	–	[99]	[95]	94	KWSMR	KWS	–	–
NAKED VARIETY																						
Avalon			78	62	4	5	–	141	+2	–	62.6	–	12.8	–	–	[78]	[76]	80	IBERS	Sen	–	–

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

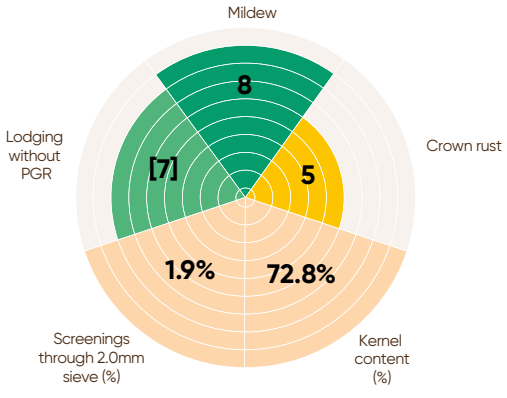
A new high yielding spring oat with good kernel content and super early maturity.

Type	**Spring, husked oat**
AHDB recommended logo	**ADHB Recommended since 2025**
UK yield (% controls)*	**105**
Untreated yield (% controls)*	**98**
Specific weight (kg/hl)	**51.5**

*AHDB Recommended List Winter Oats 2025/26.

[112]
Height without PGR (cm)

−1
Ripening days (+/- WPB Isabel)



Caledon is a new spring oat variety for 2025, offering growers the next step on from older more established varieties like WPB Isabel. The variety also has the benefit of the highest untreated yield on the 2025/6 RL backed by good disease scores for mildew (8) and crown rust (5). A taller type, Caledon is relatively stiff strawed and at a score of -1, offers grow 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 logo	**ADHB Recommended since 2020**
UK yield (% controls)*	**100**
Untreated yield (% controls)*	**86**
Specific weight (kg/hl)	**53.6**

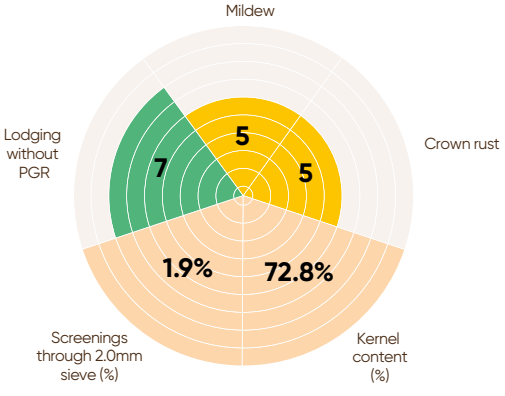
*AHDB Recommended List Winter Oats 2025/26.

110

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 resistances for mildew (5) and crown rust (5) and you have a very manageable oat crop which will deliver high yields.

Spring Oats 2025/26

			UK yield (% treated control)		Disease resistance		Agronomic features			Grain quality				Annual treated yield (% control)					Breeder/ UK contact		Status in RL system	
	Scope of recommendation	Variety status	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)	2020 (6.4 t/ha)	2021 (8.0 t/ha)	2022 (7.9 t/ha)	2023 (7.4 t/ha)	2024 (8.0 t/ha)	Breeder	UK contact	Year first listed	RL status
HUSKED VARIETIES																						
Caledon	UK	NEW	105	98	8	5	[7]	[112]	-1	72.8	51.5	1.9	–	–	[103]	[110]	[104]	[101]	Nord	SU	25	P1
Dalguise	UK		101	94	7	4	8	106	-2	71.4	51.5	1.6	–	[98]	[101]	[103]	[102]	[99]	Selg	COPE	22	–
WPB Isabel	UK	C	100	86	5	5	7	110	0	72.8	53.6	1.9	–	[99]	[100]	[99]	[102]	[100]	Wier	KWS	20	–
Canyon	UK	C	100	93	8	4	7	111	-2	71.5	51.6	2.7	–	[101]	[100]	[101]	[98]	[100]	Nord	SU	11	–
Asterion	UK		99	94	8	5	[7]	109	-1	72.8	52.0	2.3	–	[97]	[102]	[101]	[102]	[94]	Nord	SU	24	P2
Conway	UK		96	85	6	4	7	102	-1	71.4	49.5	2.4	–	[99]	[98]	[95]	[94]	[94]	IBERS	Sen	14	–
RGT Vaughan	UK		94	89	8	4	[7]	108	-2	72.8	52.4	2.5	–	[100]	[94]	[97]	[92]	[91]	R2n	RAGT	23	–
Described																						
NAKED VARIETIES																						
Oliver	UK		72	60	3	4	7	104	-1	–	58.7	–	6.3	[73]	[72]	[73]	[73]	[68]	Selg	COPE	18	–
Ovation	UK		71	64	6	4	[6]	109	-3	–	54.2	–	13.8	[77]	[71]	[73]	[73]	[64]	IBERS	Sen	24	P2
Lennon	UK		70	63	6	5	[7]	98	-2	–	56.8	–	12.8	[74]	[65]	[70]	[73]	[69]	IBERS	Sen	22	–
Year 4 Candidates																						
HUSKED VARIETIES																						
Jacky			103	[97]	8	4	–	[117]	-1	73.3	51.5	2.4	–	–	–	[105]	[104]	[100]	Nord	SU	–	–
Neptun			102	[93]	8	5	–	[114]	-2	74.3	54.0	1.9	–	–	–	[104]	[101]	[100]	Nord	SU	–	–
KWS Vibrant			102	[94]	8	4	–	[101]	0	73.0	50.7	2.6	–	–	–	[104]	[101]	[99]	KWSMR	KWS	–	–
Nova			100	[95]	8	5	–	[113]	0	72.5	51.2	2.7	–	–	–	[100]	[100]	[97]	IBERS	Sen	–	–

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 and 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).
- Ca. 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

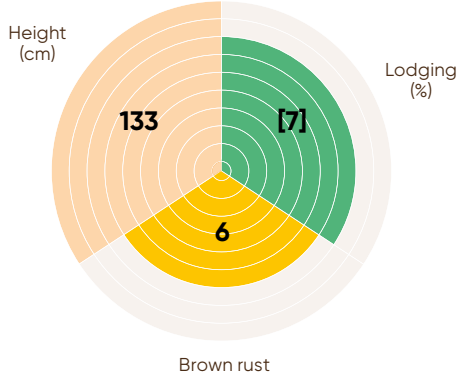
The UK's most widely grown hybrid rye for grain and whole crop thanks to its excellent yields, good straw and good brown rust resistance.

Type	**Winter, hybrid rye**
AHDB recommended logo	**UK AHDB Described since 2022**
UK yield (% controls)*	**101**
Protein content (%)	**8.8**
HFN	**241**
Specific weight (kg/hl)	**76.0**

*AHDB Winter Rye Descriptive List 2025/26.

+1

Earliness of maturity (+/- SU Performer)



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

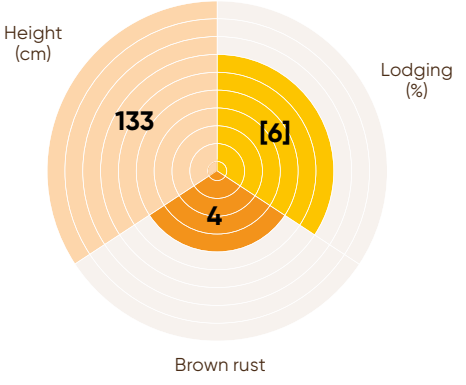
The successor to SU Performer with higher yields and earlier maturity, also under test by Ryvita.

Type	**Winter, hybrid rye**
AHDB recommended logo	**UK AHDB Described since 2024**
UK yield (% controls)*	**102%**
Protein content (%)	**8.8**
HFN	**227**
Specific weight (kg/hl)	**77.0**

*AHDB Winter Rye Descriptive List 2025/26.

–

Earliness of maturity (+/- SU Performer)



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

SU Mephisto

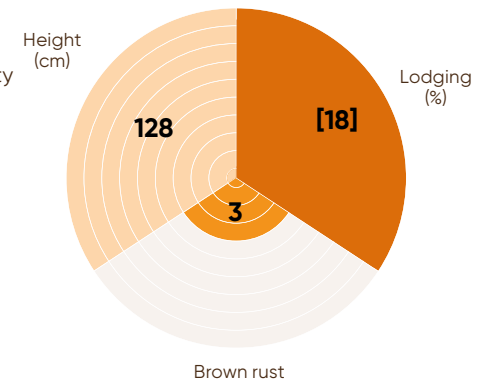
Saaten Union

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

Type	**Winter, hybrid rye**
AHDB recommended logo	**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.

0
Earliness of maturity (+/- SU Mephisto)



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 2025/26

		Grain yield (as % treated control)		Disease resistance	Agronomic features			Grain quality			Breeder/ UK contact		Status in RL system	
	Variety status	Fungicide-treated (9.7 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	DL status
HYBRID														
SU Thor	NEW	108	6	5	[48]	[130]	[0]	8.4	176	76.1	Hybro	SU	25	P1
SU Baresi		104	19	4	[9]	132	0	8.4	218	77.1	Hybro	SU	22	–
Astranos		104	11	4	[4]	132	0	9.4	183	76.6	NS	Sen	24	P2
KWS Emphor	NEW	104	6	6	[25]	[130]	[+1]	8.2	229	76.2	KWSGmbh	KWS	25	P1
SU Karlsson		104	11	6	[3]	137	0	9.0	226	77.6	Hybro	SU	24	P2
KWS Baridor	NEW	104	6	6	[8]	[135]	[0]	8.5	208	76.4	KWSGmbh	KWS	25	P1
KWS Igor		103	17	3	[9]	131	0	8.6	236	75.4	KWSGmbh	KWS	23	–
SU Perspectiv		102	11	4	[6]	133	0	8.8	227	77.0	Hybro	SU	24	P2
KWS Tayo		101	19	6	[7]	133	+1	8.8	241	76.0	KWSGmbh	KWS	22	–
SU Arvid		100	19	5	[15]	138	0	8.7	185	76.0	Hybro	SU	21	–
SU Performer	C	100	19	4	[13]	134	0	8.8	212	76.8	Hybro	SU	17	–
SU Bendix		99	18	4	[7]	136	0	9.2	193	76.6	Hybro	SU	22	–
KWS Serafino		99	19	5	[5]	134	0	8.7	256	76.5	KWSGmbh	KWS	21	–
KWS Curator	NEW	98	6	6	[8]	[134]	[+1]	8.4	223	77.2	KWSGmbh	KWS	25	P1
Poseidon	*	94	18	3	[1]	133	-1	9.4	160	75.5	NS	Dalt	21	*

Pulses

Pulses

The protein rich sustainable break

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 be encouraged to pay attention to this growing part of the rotation.

Let's remind ourselves of the benefits of 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. By growing these crops, improved soil fertility and reduce input costs can be a reality

2 Sustainability and Carbon Footprint Reduction

Growing legumes contributes to sustainable farming practices. Since they reduce the need for synthetic fertilizers, 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 s oil, 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 3 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 of the UK, they are the most widely produced pulse in the word.
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

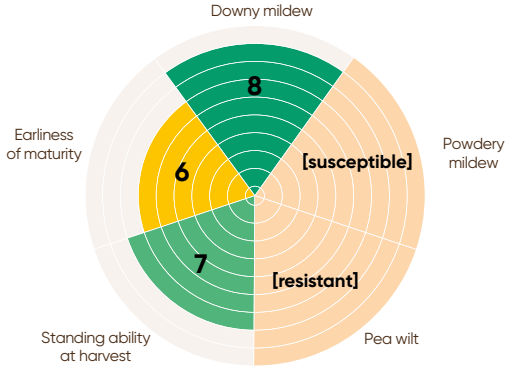
It is a very high yielding green variety, combined with the highest equal downy mildew resistance for green peas, good standing power and is resistant to pea wilt.

Type	**Spring green pea**
PGRO Descriptive List logo for 2025	**Listed since 2022**
UK yield (% controls)*	**107%**
Protein content (% as dry)	**21.5%**
Thousand seed weight (g @15% moisture)	**260**

*PGRO Descriptive List 2025.

81

Straw length (cm)



A tried and tested green pea that continues to deliver excellent yields of 107% controls. An easy to row variety. Carrington offers growers easy crop management thank to its taller but stiff straw and earlier maturity (6). Agronomically it is a strong contender, with a 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 (260g) and protein content (21.5%) rounds off this impressive package.

Combining Peas – PGRO Descriptive List 2025

The control for yield is the mean of 4 and 5 year varieties (3.56 t/ha). Yield differences of less than 12.8% are not statistically different.

			Agronomic characters			Agronomic features			Seed Characters				
	UK Agent (see appendix)	Yield as % control	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	Default sort
YELLOW(WHITE)													
KWS BramV1	KWS	118	7	78	6	R	6	–	288	21.8	3	25	1
Concerto	NPZ	118	6	75	7	R	7	[S]	365	21.5	3	24	2
Marler	Cope	116	6	84	6	R	6	[HR]	305	21.7	3	25	3
NOS Blondie	EI	116	7	79	7	–	5	–	304	21.5	3	25	4
Batist	Sen	116	6	83	7	R	6	[S]	317	21.7	4	24	5
Captur	Agro	115	6	76	7	R	6	[S]	312	22.6	3	25	6
BellairV2	IARA	115	5	73	7	R	5	[HR]	242	21.0	3	25	7
KWS Flam	KWS	114	6	86	7	R	5	[S]	266	21.7	4	24	8
Kameleon	Sen	112	6	73	7	R	5	[S]	319	21.8	5	20	9
LG Corvet	LUK	111	7	74	7	–	8	[S]	298	22.2	3	25	10
Orchestra	NPZ	109	6	74	7	R	4	[S]	329	22.5	4	20	11
Bonham	Sen	107	6	82	6	R	6	[S]	314	22.6	3	25	12
Manager	KWS	106	6	79	7	R	6	[MR]	297	22.6	4	18	13
LG Ajax	LUK	100	6	69	7	R	7	[HR]	282	22.7	5	23	14
PINK													
Flamingo	Cope	87	5	86	7	R	7	–	285	22.8	4	24	15
GREEN(BLUE)													
Pangea	NPZ	114	5	79	6	R	6	[HR]	366	22.8	3	25	16
Mikka	IARA	108	4	84	7	R	7	[S]	316	22.5	5	21	17
KWS Gotham	KWS	107	3	82	6	R	5	[S]	306	22.4	5	23	18
Carrington	NPZ	107	6	81	7	R	8	[S]	260	21.5	5	22	19
Butterfly	NPZ	105	7	78	7	R	6	[S]	314	21.5	5	23	20
Bluetime	NPZ	103	4	84	7	R	8	[S]	300	21.9	4	18	21
Shazam	Sen	103	4	85	7	R	6	[S]	267	22.0	4	24	22
Greenway	IARA	102	5	82	7	R	7	[S]	314	22.3	5	21	23
Karioka	Sen	100	6	80	7	R	6	[S]	276	21.9	4	18	24
Kactus	Sen	100	5	74	7	R	7	[S]	305	22.3	5	20	25
ReacherV3	IARA	99	6	72	5	R	7	[HR]	284	21.2	3	24	26
LG Aviator	LUK	99	5	73	7	R	7	[HR]	299	22.1	3	20	27
Daytona	Agrii	95	7	74	7	R	6	[S]	285	21.9	3	10	28
MAPLE													
Mantara	LUK	94	6	60	7	R	8	[S]	256	23.6	3	10	30
Rose	Dalt	88	8	74	7	S	9	[S]	272	24.0	3	03	31
MARROWFAT													
Midori	NPZ	103	4	88	7	R	4	[S]	393	22.7	3	25	32
Vision	EI	99	5	73	8	R	7	[S]	386	22.7	4	24	33
Akooma	NPZ	95	5	77	6	R	5	[S]	421	22.8	4	21	34
Takayama	NPZ	95	5	82	6	R	6	[S]	370	22.9	5	23	35
Octavia	IARA	86	3	73	8	R	4	[S]	417	23.6	5	20	36
Sakura	Dalt	80	5	74	7	R	4	[S]	394	23.3	5	08	37

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.

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.

Spotlight on: 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

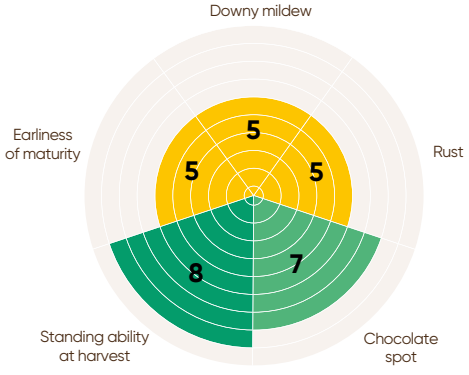
Senova UK

7 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)*	**112%**
Protein content (% as dry)	**25.3%**
Thousand seed weight (g @15% moisture)	**711**

*PGRO Descriptive List 2025.

112
Straw length (cm)



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

Lynx

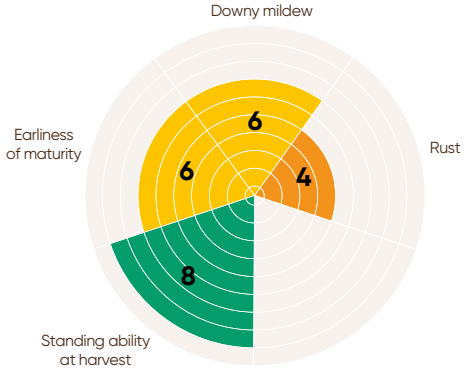
NPZ UK

Very high yields with excellent standing and good resistance to down.

Type	**Spring bean**
PGRO Descriptive List logo for 2025	**Listed since 2016**
UK yield (% controls)*	**106%**
Protein content (% as dry)	**27.5%**
Thousand seed weight (g @15% moisture)	**515**

*PGRO Descriptive List 2025.

100
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.

Winter Beans – PGRO Descriptive List 2025

The control for yield is the mean of 4 & 5 year varieties (4.09t/ha). Yield differences of less than 9.2% are not statistically different.

			Agronomic characters			Agronomic features			Seed Characters				
	UK Agent (see appendix)	Yield as % control	Earliness of maturity (1-9)	Straw length (cm)	Standing ability at harvest(1-9)	Downy mildew (1-9)	Downy mildew (1-9)	Chocolate spot (1-9)	Thousand seed weight (g) (@15%mc)	Protein content (%dry)	No.years in matrix	Year first listed	Default sort
PALE HILUM													
Vincent	Sen	108	5	113	8	7	4	6	818	26.6	5	21	1
Vespa	Sen	108	5	112	8	5	5	7	711	25.3	5	18	2
Bumble	Sen	107	5	118	8	5	5	5	716	24.9	5	16	3
LG Arctic	LUK	103	5	113	8	5	5	5	728	26.4	4	24	4
Miro	Sen	101	7	104	8	3	5	[7]	775	26.2	3	25	5
Bonneville	Sen	100	6	111	8	5	4	5	748	26.2	5	23	6
Norton	Sen	98	6	105	8	6	5	5	709	25.6	5	21	7
Ninja	Sen	98	8	103	8	5	5	5	703	27.1	4	24	8
Tundra	LUK	92	6	102	8	5	5	5	634	25.9	5	14	9

Spring Beans – PGRO Descriptive List 2025

The control for yield is the mean of 4 and 5 year varieties (4.25 t/ha). Yield differences of less than 8.4% are not significantly different.

			Agronomic characters			Agronomic features		Seed Characters				
	UK Agent (see appendix)	Yield as % control	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	Default sort
PALE HILUM												
Notilus	Sen	110	5	102	8	3	5	600	27.3	3	25	1
LG Eagle	LUK	110	5	101	8	3	5	638	26.3	3	25	2
SynergyLVC	SU	107	7	103	8	3	4	576	28.3	4	24	3
KetuLVC	NPZ	107	7	106	8	4	5	531	27.6	3	25	4
Navara	Sen	107	4	106	8	5	6	574	26.4	4	24	5
Genius	NPZ	106	6	101	8	5	4	563	26.9	5	23	6
Lynx	NPZ	106	6	100	8	6	4	515	27.5	5	16	7
LG Stego	LUK	105	6	102	8	4	5	580	28.2	5	23	8
FuturaLVC	NPZ	103	7	102	8	4	4	541	27.6	5	23	9
Loki	NPZ	103	6	97	8	5	6	553	25.4	3	25	10
LG Hawk	LUK	102	7	100	8	3	5	572	27.3	4	24	11
LG Raptor	LUK	99	7	100	8	4	5	548	27.4	5	20	12
LG Viper	LUK	94	5	89	9	8	7	572	28.8	5	21	13
BLACK HILUM												
Maris Bead	WAC	84	5	107	7	7	[5]	408	29.7	3	64	14

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 Managense 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

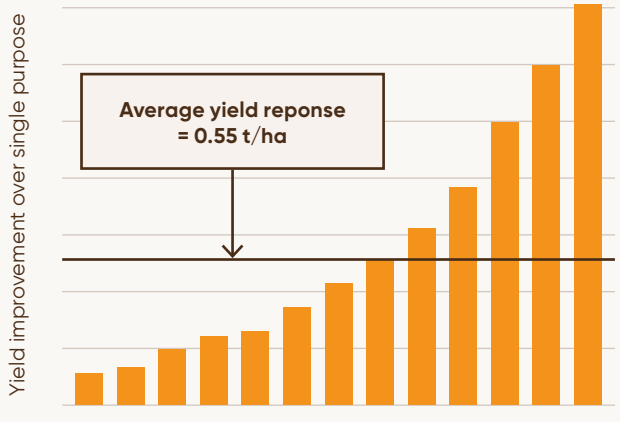
Secure your crop with Latitude

- 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



13 years of independent UK second wheat trials

£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

Build a resilient wheat crop to cope with weather uncertainties

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.

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

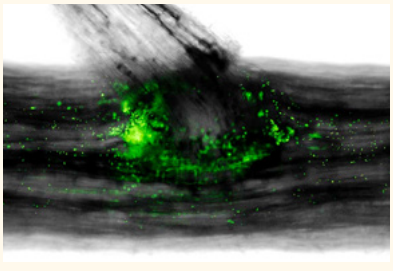
Winter Wheat

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.
- **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.
- **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 30kh N/Ha.

	Beret Gold	Beret Gold + Nuello iN
	Good root structure seen 42 days after planting	Further improved rooting seen 42 days after planting
Stay-green effect of Nuello iN in SY Insitor, Haywold 2023		

+30kg Nitrogen

UK trials demonstrate a nitroge 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 adviced that Nuello iN be co-applied with a fungical seed dressing such as BeretGold or Vibrance Duo.

Want more information?

Visit our website to learn more about our products and services:

www.frontierag.co.uk

Frontier

Berwick-upon-Tweed
01289 330 248

Cranwick
01377 270 412

Diss
01738 640 551

Hermitage
01635 205 410

Perth
01738 639 377

Ross-on-Wye
01989 763 302

Sandy
01767 244 030

Witham St Hughs
01522 866 344

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