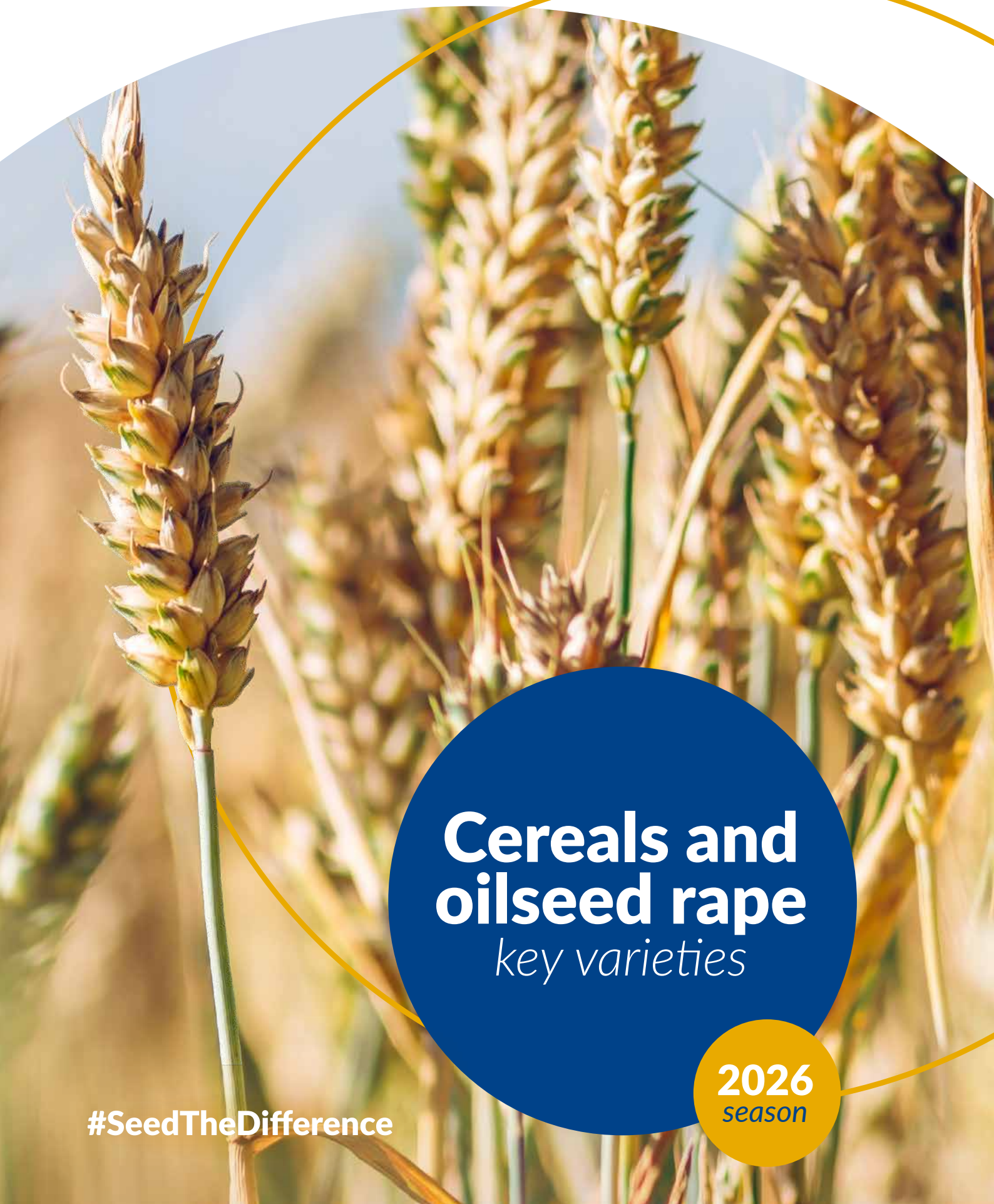
agrovista
seeds



Cereals and oilseed rape

key varieties

2026
season

#SeedTheDifference

agrovista seeds

Simplified choice

Expertly selected

Our expertise and rigorous assessment of both established and new seed varieties enable us to offer you a superior, short-listed selection.

We simplify your seed decision process, giving you more time to focus on your farm.

agrovista.co.uk/seeds

#SeedTheDifference

Welcome

to Agrovista's seed varieties brochure 2026

Every growing season comes with its own challenges and 2026 has been no exception. Geopolitically we've seen conflict in the middle east causing an inflationary shock affecting energy, fuel and fertiliser.

Closer to home EU alignment talks are underway bringing uncertainty in many areas including agrochemical revocations and agronomically we've seen increased pressure in cereal crops from BYDV and Yellow rust in wheat, with the YR15 resistance gene breaking down.

Whilst the above feels rather bleak it's important to recognise we have more opportunities to limit the effects of these changes and threats on our own individual farms than is first apparent and within this brochure we outline the key-ways variety and seed treatment selection can help your business.

This autumn were excited to be launching Sprinter Wheats and specifically STR Pace. These wheats are designed to provide the first reliable strategy for late drilling wheat scenarios offering exceptional establishment, good winter hardiness and no vernalisation requirements if seed sowing is delayed until the spring. Delayed drilling for BYDV and blackgrass reduction has long been agronomically recommended, but it has been difficult to follow guidance on farm due to challenging establishment conditions. Sprinter wheats are here to provide a more reliable solution and will clearly help blackgrass management particularly if key grassweed residual products are lost with EU alignment.

To mitigate fertiliser increases we can offer Voltek Bio and Trios Max seed treatments on cereals which firstly improve establishment and rooting allowing crops to scavenge effectively for crop nutrients including residual nitrogen. Secondly it contains nitrogen fixing endophytes which colonise the seed and the plant and fix Nitrogen directly from the air. This in combination with foliar nitrogen products such as MZ28 minimises the need for traditional bagged Nitrogen.

Autumn 2026 will see a change in varietal selection within winter wheats as many well-loved varieties with YR15 are now struggling with Yellow rust resistance. At Agrovista we have always valued varietal diversification and we have a plethora of varietal solutions to manage yellow rust without compromising on high yields, septoria resistance, lodging or specific weight.

Our key varieties Mindful, Sartorial and the newcomer SY Nairn are performing as consistently this season as they have in previous ones.

Focusing on BYDV we are pleased to be launching RGT Guardsman as the first BYDV resistant variety with high yields and equally high disease resistance, at present RGT Guardsman is the only variety on the AHDB recommended list with resistance to juvenile yellow rust.

Within winter barley we will continue to focus on two-row feed, hybrid and BYDV tolerant varieties. In particular our two-row feed variety Resolute is entering into its third year and continues to show its reliability, consistency and versatility across the UK in very different growing seasons.

Our OSR portfolio incorporates all the key technology traits and focuses primarily on strong agronomics and exceptional establishment to manage the challenges of growing OSR.

With establishment in mind we are continuing with our establishment risk sharing scheme on our selected conventional and hybrid varieties.

Lastly I'm pleased to announce within our range of cereal varieties being processed internally we will continue with our 'Establishment Plus' innovation across our cereal range as standard providing an enhanced establishment and subsequent yield increase on your farm at no additional cost.

TED WILLIAMS
Arable Product Manager

Contents

Establishment Plus will be provided on Agrovista-grown cereal seed as standard

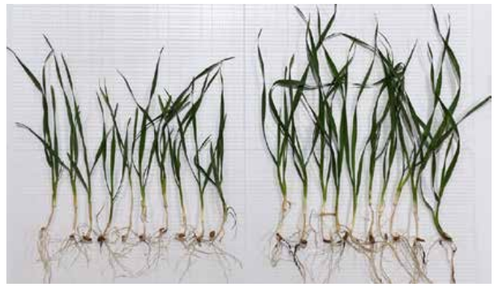
Establishment Plus

Establishment PLUS

For the second year – autumn and spring, Agrovista will be offering all self-produced seed as Establishment Plus at no extra charge. Establishment Plus seed has enhanced vigour and crops produced may yield up to 8% more (based on manufacturer trials).

This process of producing Establishment Plus seed begins with our seed crops. These crops are treated with the product 3 ALO T6P which is a unique foliar treatment that maximises seed and grain filling to optimise yield potential and increase seed health.

In manufacturer trials seed taken from crops treated with 3 ALO T6P gave up to a 15% increase in plants per m^2 in the autumn, an improved crop biomass, a subsequent increase in ears per m^2 in the spring, which led to an **8%** increase in yield over non treated seed in a first wheat situation.



Seedling on right taken from a crop treated with 3 ALO T6P

What is 3 ALO T6P

3 ALO T6P is an advanced biostimulant technology containing a precursor to Trehalose-6-Phosphate (T6P)—a central regulatory sugar signal that governs critical metabolic and developmental pathways in plants.

T6P plays a key role in carbon allocation and carbohydrate homeostasis, particularly in the regulation of sucrose, the primary product of photosynthesis and a vital energy source for grain filling.

By modulating the trehalose pathway, 3 ALO T6P enhances the mobilisation and translocation of sucrose into developing kernels or seeds.

This targeted action not only promotes starch biosynthesis but also improves source-sink dynamics, resulting in enhanced grain size, higher yield potential, and improved stress resilience, particularly under drought conditions.

T6P and seed enhancement

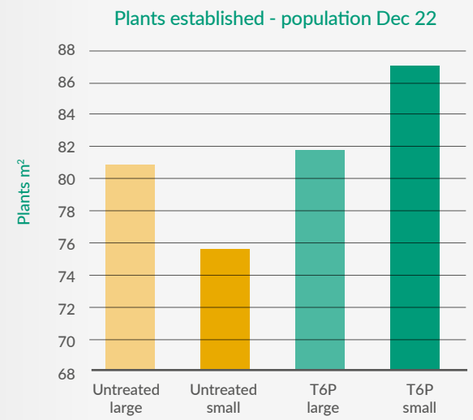
Small grain seed
TGW 39

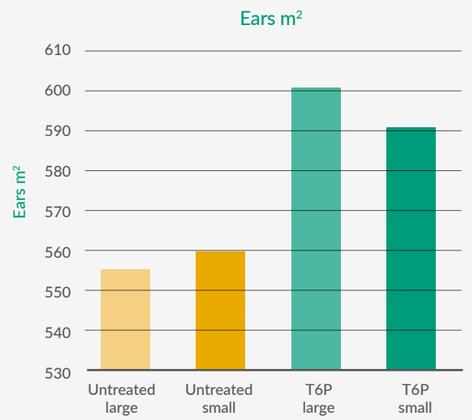
Large grain seed
TGW 59

Small grain seed
TGW 39 T6P Trt mother crop

Large grain seed
TGW 59 T6P Trt mother crop

Seed from a crop treated with 3 ALO T6P





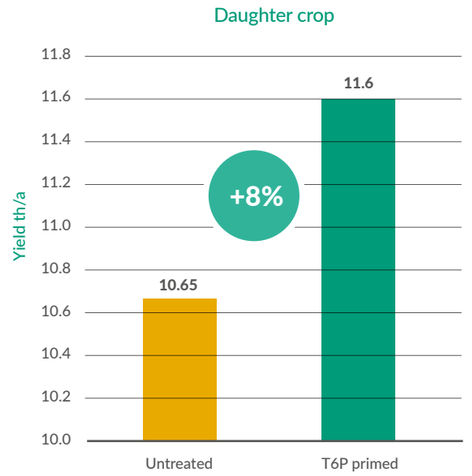
Independent research supports these findings, showing that enhancing T6P activity during seed development produces **more nutrient-dense grain which gives enhanced seed quality and better-established crops**.

This improvement in maternal seed quality carries forward, delivering a yield advantage not only in the treated crop but also in the next generation.

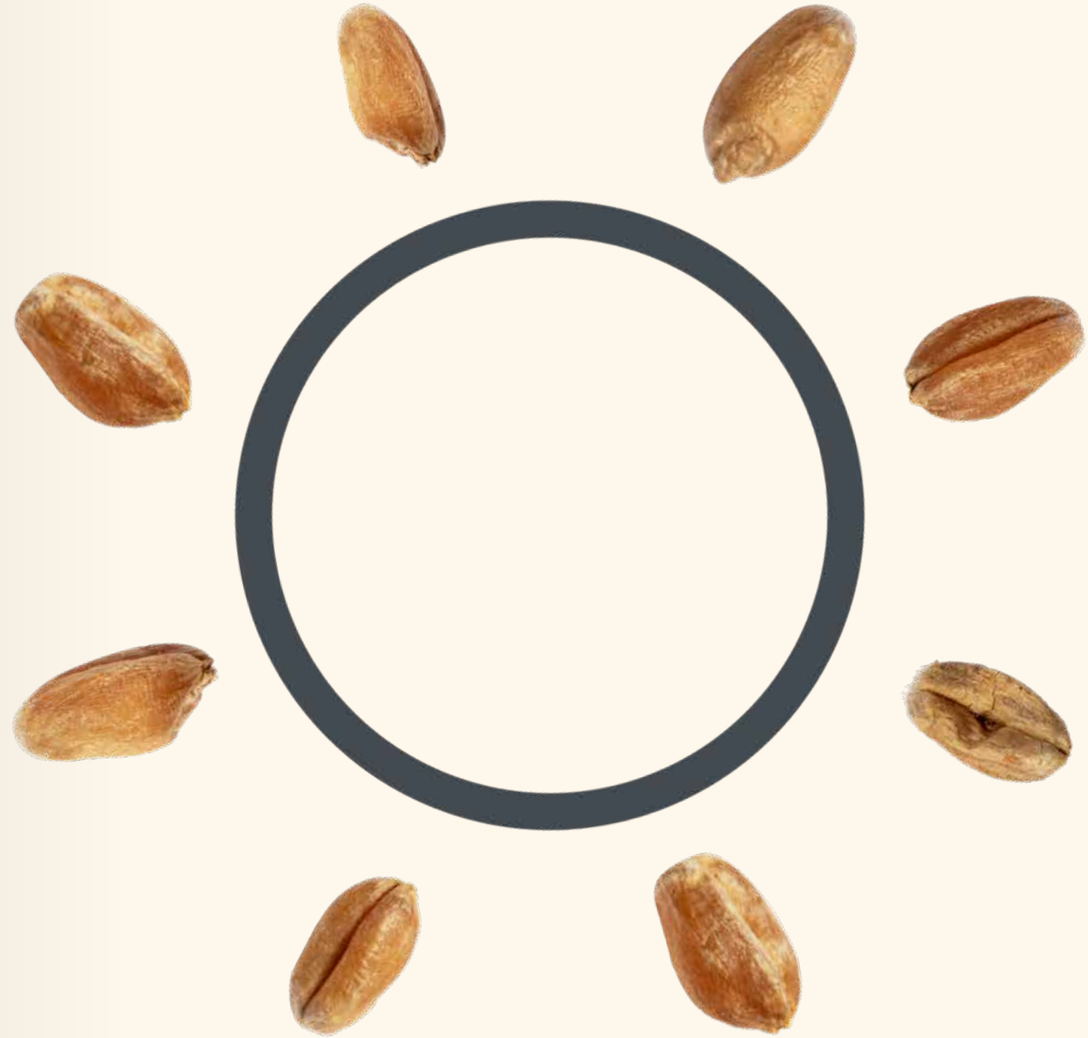
At Agrovista, we combine science-led innovation with practical agronomy to deliver measurable on-farm benefits. From seed to harvest, our Establishment Plus initiative reflects our commitment to you by providing cutting-edge solutions such as 3 ALO T6P and beyond; designed to maximise genetic potential, drive yield, and improve gross margins.

With this in mind we have decided to provide Establishment Plus seed as standard across our cereal seed portfolio at **no additional cost** to help your crops maximise their potential.

The Impact of the 3 ALO T6P primed seed on a first wheat 2020



Wheat varieties



sprinter wheats

The hot new thing

What are Sprinter Wheats?

A unique cross of wheat types specifically designed to follow late-lifted break crops such as sugar beet, maize and potatoes. Sprinter Wheats are quick to emerge, establish and develop rapidly with good winter hardiness and no vernalization requirement. Sprinter Wheats have been bred from a milling quality-focused breeding program and as a result benefit from enhanced protein content, grain quality and robust specific weight.
The Sprinter Wheat drilling window runs from mid-October throughout the spring giving growers security that whatever the weather seed can be confidently drilled when conditions allow.

STR Pace

Sprinter wheat

STR Pace is the first Sprinter Wheat to be launched and has been recommended by the AHDB as a high yielding group 1 spring wheat variety with exceptional specific weight and early maturity.

As well as AHDB and VL trials, STR Pace has been further drilled October to spring in private trials over the last five years.

STR Pace has performed comparably to group 1 winter wheat competitors throughout the autumn drilling window with a much-improved specific weight.

STR Pace has solid agronomics balancing yield, grain quality and maintaining a respectable disease resistance.

STR Pace is the earliest maturing group 1 milling spring wheat on the 2026 AHDB Recommended list and one of the earliest overall. Earliness of maturity is a key consideration for a milling variety to safeguard Hagberg and potentially reduce sprouting risk and drying costs on farm.

An earlier harvest offers greater flexibility for subsequent crop options or to establish a following cover crop in good time.

With the highest specific weight of all recommended spring wheat varieties these are further illustrations of the variety's ability to build yield quickly and reliably.

STR Pace

Group 1

- STR Pace is one of a new breed of wheats called Sprinter Wheats and achieved UK AHDB recommendation in 2025
- Group 1 milling, high hagberg with the best specific weight and early to harvest - all the attributes to secure high value crops before pre-harvest rain damages quality
- STR Pace exhibits the distinct characteristics of this new wheat type - a wide sowing window October to end March, quick establishment with wide leaves and speed of growth out-pacing and smothering grass weeds

Mildew	(8)
Yellow rust	5
Brown rust	7
Septoria tritici	(6)
Fusarium	–
Resistance to lodging	–
Eyespot	–
OWBM	–
Maturity	-2 -1 0 1 2

REGION	YIELD
UK	100

Yield assessments to date based on sowing month rather than soil type. Yields and specific weight in October drilled AUK trials sit between KWS Extase and Skyfall November-drilled through to January see yields and quality improve, while winter wheats tail off. Spring-drilled STR Pace is the 2nd highest yielding, earliest maturing group 1 on the UK RL 2026.

Bracket values give guidance on comparative agronomic values based on commercial observations and Agrovista trial performance.

AHDB 2026 recommended list

Spring wheat (Group 1)

	STR PACE	KWS HARSUM	KWS LADUM
End-use group		UKFM Group 1	
Scope of recommendation	UK	UK	UK
Variety status	NEW		C
UK yield as % control (spring sowing)			
Fungicide-treated (7.5 t/ha)	100	101	98
Disease resistance			
Mildew (1–9)	[8]	[7]	[7]
Yellow rust (1–9)	5	7	6
Brown rust (1–9)	7	5	5
Septoria tritici (1–9)	[6]	6	6
Orange wheat blossom midge	-	R	-
Agronomic features (spring sowing)			
Lodging with PGR (%)	-	[1]	[0]
Straw length without PGR (cm)	80	79	73
Ripening (days +/- Mulika)	-1	+1	0
Grain quality (spring sowing)			
Endosperm texture	Hard	Hard	Hard
Protein content (%)	13.0	12.8	13.3
Hagberg Falling Number	303	326	330
Specific weight (kg/hl)	80.6	78.7	78.1

October sown establishment

STR Pace (375 seeds/m²)

Skyfall (375 seeds/m²)

Private trials, Northants, images taken 13th November 2024, October-drilled

5years mean November sown yield (t/ha) STR Pace comparison

AgX Haddenham - Cambridgeshire | Previous crop - Sugar Beet

	Variety	2021	2022	2023	2024	2025	Trial mean
Yield t/ha	SKYFALL	9.54	12.93	11.01	10.37	11.28	11.03
	STR PACE	**10.25**	**12.11**	**10.49**	**10.30**	**11.87**	**11.00**
Spec weight kg/hl	SKYFALL	63.04	81.57	72.56	81.56	73.97	74.56
	STR PACE	**71.67**	**82.55**	**75.47**	**82.02**	**79.97**	**78.20**

sprinter wheats

Agrovista exclusive

SY Nairn

SY Nairn is one of the most exciting wheats which has come to market in recent in years fitting the important drilling position of a short, stiff, early drilled wheat, with exceptional disease resistance, strong spring vigour, good grain quality, OWBM resistance and end market demand.

SY Nairn

Group 4 soft

- Buy back grain contracts available
- Short, stiff early-drilling soft feed wheat with high specific weight and distilling capability
- Good autumn vigour, with prostrate growth habit
- Strong adult yellow rust resistence 2025 and robust defence against mildew, septoria tritici and fusarium ear blight
- Suited to fertile and early drilling situations
- OWBM resistant

Mildew	6
Yellow rust	8
Brown rust	4
Septoria tritici	6.6
Fusarium	(6)
Resistance to lodging	8
Eyespot	4
OWBM	R
Maturity	-2 -1 0 **1** 2

REGION	YIELD
UK	104
EAST	102
WEST	105
NORTH	(106)
Untreated yield	87
First cereal	104
Second cereal	104
Light soils	(104)
Heavy soils	103
Spec. weight	77.2

SY Nairn has an interesting growth habit – quick to establish, with superb autumn vigour, but slowing down through stem extension so that it does not become over-forward and at risk of grain fill being damaged by late frosts or over-keen liquid fertiliser applications.

Pre-basic SY Nairn 19th November 2025

SY Nairn 28th January 2026

SY Nairn, bred by Syngenta, is from a cross between Graham and LG Skyscraper and exhibits traits from both parents, along with some surprising extras that make this variety a most interesting and exciting addition to the Agrovista portfolio.

Surprisingly for a Skyscraper cross, SY Nairn is both short and stiff. In fact, it was the shortest winter wheat in this years AHDB trials at 74cm when treated with plant growth regulator and 85cm untreated. Naturally those heights are matched by very stiff straw making SY Nairn ideally suited to fertile ground or early drilling situations.

SY Nairn has an interesting growth habit – quick to establish, with superb autumn vigour, but slowing down through stem extension, reaching maturity at + 1 days to control.

Luke Palmer at Stretham, Cambridgeshire is growing SY Nairn for the second time this year and highlighted the speed of establishment during his morning crop walks back in November following an unusually dry period through October when the crop was drilled.

SY Nairn has a prostrate growth habit with vigorous leaf growth.

Our technical team continue to assess variety development through to spring and recent assessments at our Dennington site in Suffolk in plots drilled 26 September 2025 highlight SY Nairns growth habit.

Initially not quite as quick as such varieties as KWS Extase, but its rate of growth through early and mid-March has been well ahead.

Winter wheat variety trial Dennington

Drilled 26 September 2025

	% ground cover (Canopeo data)			
	12/11/ 2025	11/12/ 2025	07/03/ 2026	19/03/ 2026
Variety	n=10	n=4 per plot	n=4 per plot	n=4 per plot
SKYFALL	34.9	57.59	63.71	70.26
KWS ARNIE	31.5	51.3	63.14	69.68
KWS EXTASE	32.8	67.3	66.8	70.03
BAMFORD	32	58.93	63.86	60.56
SY NAIRN	40	58.54	71.79	74.38
CHAMPION	38.3	53.96	64.08	63.63
KWS DAWSUM	34.5	56.97	64.47	59.35
LG TYPHOON	36	43.04	61.46	60.68
PALLADIUM	35.6	64.06	73.69	67.63

Disease resistance

The parental pedigree of SY Nairn offers scarce European genetics from Graham-essential to bring diversity into an otherwise narrow gene pool of UK pathogen resistance.

There are whispers of potential brilliance from its other parent Skyscraper, a significant variety for yield and soft endosperm end use opportunity. Skyscraper itself has a rich heritage born out of Santiago and even Claire for soft quality and Wizard from which SY Nairn's short and stiff straw may be derived.

SY Nairn has an 8 for adult yellow rust resistance, though like the majority it is seedling susceptible. It has a good level of mid-range resistance to mildew, fusarium and septoria tritici representative of multi-gene defence rather than one risky dominant gene. Growers will need to protect against brown rust though where conditions favour this disease. SY Nairn is orange wheat blossom midge resistant.

One of the principal markets anticipated for SY Nairn will be in the northern half of the UK where soft feed types have opportunity in distilling and biofuel. SY Nairn's rapid establishment has drawn keen interest this season here too with early adopter crops proving popular with growers and agronomists alike.

Agrovista Area Sales Manager Pete Richardson was lucky to get some SY Nairn sown near Prestwick, Southern Ayrshire this autumn. "I'm very pleased with the look of the SY Nairn. This customer has eight varieties of wheat and Nairn is holding its own. There is some LG Redwald in the same field and the Nairn is a full tiller ahead currently (GS 21-22)."

Pete visited the crop again on 20 March and continues to be enthusiastic for this promising variety. "Looking well, working away steadily and without too much disease. Tillering very well"

"The picture with plants pulled out showing Redwald left and SY Nairn right and growing in the same field. The Redwald has more height but is a full tiller down on the Nairn. I am very much liking the look of this variety, and it has stood up to a very wet autumn and winter as good and better than other varieties on the farm. To produce an extra tiller, I would say is showing a resilience to stressful conditions.

Pete Richardson has good reason to be excited by SY Nairn, performance in Scotland harvest 2025 placed it 2% above alternative soft feed variety Sparkler and 8% higher yielding than RGT Hexton.

Northern Regional Seeds Manager Marc Lanham also has his eyes firmly fixed on Nairn. Based in Holderness, East Yorkshire, but looking after the whole of the northern region Marc is always on the lookout for short, stiff varieties ideal for early drilling or to follow break crops where nitrogen is often left from the previous crop.

SY Nairn is not a variety for light land. Dry conditions do not suit short varieties as stem carbohydrate reserves are rarely sufficient to support high yielding crops. This has meant that for 2025 season where large parts of the UK suffered drought conditions SY Nairn's performance in trials was lower than normal.

The Redwald has more height but is a full tiller down on the Nairn. I am very much liking the look of this variety, and it has stood up to a very wet autumn and winter better than other varieties on the farm

Pete Richardson
Agrovista Area Sales Manager

Buy back contract opportunity

'Soft' refers to the structure of the starch within the grain. To be designated 'soft' the variety must carry two specific genes, PIN A and PIN B, which together form a protein complex known as friabilin. Wheat varieties containing this protein exhibit a softer endosperm and break into finer particles more readily during milling, with lower levels of damaged starch granules compared to hard endosperm varieties.

Working in partnership with end users Agrovista have secured a buy back opportunity for SY Nairn grain specific to this variety.

A fantastic crop that yielded well above the farm average…

A late-sown seed crop of SY Nairn exceeded all Cambridgeshire grower Luke Palmer's expectations last season, despite the very dry weather during spring and early summer.

It's robustness stood out early on, setting it up for the difficult season.

The 22ha crop, grown near Stretham, Ely, was drilled in late November on fen soil after potatoes. "We subsoiled and disced before drilling," says Luke. "The field was a bit wet in places, but overall it went in very well. We carried out a robust blackgrass strategy, but the Nairn shrugged it off."

The variety exhibited quite a prostrate growth habit to begin with, but soon grew away, he recalls. "We used a low seed rate as supply was limited, but one thing we noticed was Nairn's strong early root development and the really good amount of tillers. In the spring the crop just got on with it."

Luke applied the farm standard rate of nitrogen. "A lot of feed wheats are quite hungry, but this did well on 150kg/ha, based on green leaf area and tissue analysis. I'm not saying it always will – this season is different and we have already applied quite a bit of nitrogen to our wheats."

PGR and fungicides are applied according to variety scores. "Nairn is relatively good on all fronts and there was no Septoria to be seen so we applied a relatively cheap fungicide programme," says Luke. "There was a bit of yellow rust about but the variety was fine with that."

He applied tebuconazole at T0, an "incredibly cheap" T1 based on azoxystrobin, followed by benzovindiflupyr and prothioconazole at T2 and prothioconazole plus tebuconazole at T3.

PGR consisted of reduced rate trinexapac at T0, followed by chlormequat. "Nairn has good stiff straw and it stood well, even on the lush fen," says Luke.

The crop was cut at the beginning of August. "It beat the farm average, yielding over 9t/ha, which was fantastic," says Luke. "Seed quality was excellent, with really good vigour and a specific weight above 80kg/hl. Considering how dry it was I call that a winner."

Luke is growing 100ha of Nairn this season, almost five times as much as before. "I don't grow many Group 4s but the Nairn was that good. And this year's crop, drilled in October, looks even better. Had I not been asked to grow the variety for seed I would probably have grown it commercially."

Agrovista exclusive

Alvius

Wheat

Spring 2026 has an air of déjà vu with our November-agreed seed crop of Alvius destined for drilling later the same month after sugar beet, actually being drilled on the 19 March.

The same grower had an almost identical experience in autumn 2021/spring 2022 when seed arrived late from Germany missing the November-drilling window. The crop was eventually drilled 3 February 2022.

These near duplicate scenarios illustrate clearly the flexibility of Alvius wheat. A sowing window that runs from mid-October to end of March.

In both instances factors beyond the control of the grower delayed drilling and rather than forcing the crop into the ground in less-than-ideal conditions, Alvius allows growers to wait and to drill when the seedbed is in a healthier state, avoiding compaction, potentially a problematic seedbed and subsequent emergence and establishment issues.

Alvius

Group 4 Hard

- Alvius offers an alternative functionality to crop establishment in 21st Century farming
- Ideally suited to follow roots where seedbeds may be compromised, Alvius has a six-month drilling window
- Alvius has not been through the UK VL trials process so cannot be directly compared to other wheats in this brochure
- For further reading, please visit the Alvius page in the wheat varieties section of our website: www.agrovista.co.uk/seeds/wheat-varieties/alvius

Mildew	7
Yellow rust	(6)
Brown rust	(6)
Septoria tritici	(6)
Fusarium	6
Resistance to lodging	(7)
Eyespot	–
OWBM	–
Maturity	-2 -1 (0) 1 2

REGION	YIELD

Yield assessments to date based on sowing month rather than soil type. Yields and specific weight in Agrovista trials have nevertheless ranged from KWS Extase to exceeding KWS Dawsum. Generally drilling Nov-Jan for best results

Spec. weight (79)

Bracket values give guidance on comparative agronomic values based on commercial observations and Agrovista trial performance.

Alvius took off like a rocket, and I was initially worried about it lodging but I needn't have. Having applied a growth regulator, the crop still produced plenty of straw, yet stood well

Luke Hardy
Agrovista agronomist

Alvius – wide leaf

Alvius had fewer blackgrass heads per plot (165) than traditional winter wheats

Rapid establishment

Alvius has been bred to rapidly establish following late-lifted crops such as sugar beet, potatoes, maize or vegetables and it is well suited to this task. The seed has high vigour and a tendency to carry on growing through late spring frosts while true spring wheat can often be checked.

The secret with Alvius is that it is not simply a spring wheat, but a three-way cross that widens its sowing window across six months from mid-October to mid-April as experienced in 2023 where a very wet autumn and spring left much land undrilled – not dissimilar to 2025/6 in fact.

"Alvius took off like a rocket, and I was initially worried about it lodging but I needn't have. Having applied a growth regulator, the crop still produced plenty of straw, yet stood well" Luke Hardy, Agrovista agronomist

Grassweed smothering

Alvius has a wide leaf and rapid spring growth which helps toward grass weed control. In 2022 our fenland November-drilled trial was established in appalling conditions (see above) and as a consequence pre-emergence herbicides were not applied and PGRs were applied at a reduced rate to minimise crop stress.

Blackgrass populations were evident through the trial. It was notable that Alvius had fewer blackgrass heads per plot (165) than traditional winter wheats, as the picture (top right) shows with KWS Cranium in the foreground (600+). Note this was an observation only, no precise head counts were undertaken.

Haddenham Drilled 26 November 2020 AgX
(all sown 450 seeds/m²)

	Treated	
Variety	Yield t/ha	Spec weight kg/hl
CHAMPION	11	59.5
MINDFUL	10.87	64.6
ALVIUS	**10.83**	**69**
INSITOR	10.57	62.9
KERRIN	10.23	61.5
DAWSUM	9.94	62.7
EXTASE	9.85	63.1
KWS CRANIUM	9.74	57.7

SOURCE: extract of Yield results AgX Haddenham harvest 2021. Alvius v key winter wheats. NB. Champion and Insitor seed were Vibrance Duo treated.

Alvius produces a high specific weight and a milling profile equivalent to group 1 and 2 varieties. However, the variety has not been AHDB-trialled and consequently it carries no Group rating.

Alvius wheat is a management tool for growers to address the late drilling situation that always arises when late-harvested break crops clash with typical British autumnal weather. Growers can confidently purchase seed in November knowing that the seed will be drilled whatever the weather. It can accommodate cold, wet, soils and rapidly establishes while day length shortens. Alvius has quick spring growth and stands well through to harvest.

mindful
winter wheat

Agrovista exclusive

As we move into our 4th season with Mindful group 4 hard we have experienced the capability of a very versatile variety.

Mindful can be drilled early and it can be drilled late. It seems to have the ability to scavenge for nutrients in difficult conditions. Its disease resistance holds true despite being a Costello cross, it did not suffer like many others with the YR15 mutation. Its relatively tall straw seems more of a help than a hinderance in dry conditions. Its high specific weight brings consistency and reliability. Season 2025 was very challenging for many varieties.

The intense heat and lack of water in southern England meant pesticide applications risked over-stressing the varieties and negatively affecting crop development. The AgX site at Haddenham, Cambridgshire, illustrated this. Mindful was the highest yielding hard feed both treated and untreated.

Its scavenging ability (from its Dutch parent Evolution), coupled with longer straw, may well have helped the variety not just cope with the intense heat and very low moisture levels but thrive too while others struggled. The YR15 mutation also took its toll on untreated plots devastating competitor varieties and yet Mindful shrugged off the challenge with minimal impact and continues to do so through 2026.

Both KWS Extase and Mindful have an ability to build green leaf area through the autumn and winter months to maximise photosynthesis capability once spring arrives, temperatures warm and early nitrogen boosts development further.

Yield (t/ha at 15% moisture content)
Drilled 11 November 24 deep silt

AgX

Variety	Type	Untreated t/ha	Treated t/ha	Increase t/ha
KWS EXTASE	Group 2	11.41	12.69	+ 1.28
MINDFUL	**Group 4H**	**12.02**	**12.50**	**+ 0.48**
LG SKYSCRAPER	Group 4S	12.65	12.44	-
CHAMPION	Group 4H	7.46	11.99	+ 4.53
LG BEOWULF	Group 4H	9.31	11.98	+ 2.67
KWS DAWSUM	Group 4H	10.18	11.95	+ 1.77

SOURCE: Harvest 25 AgX Haddenham

Drilled 11 November 2024

AgX

Assessment dates	% ground cover			
	25/11/2024	17/12/2024	30/01/2025	17/02/2025
CHAMPION	0.25	8.39	16.74	23.51
MINDFUL	**2**	**9.45**	**16.70**	**22.85**
KWS EXTASE	0	8.18	16.25	22.00
KWS VIBE	0.25	7.60	15.73	21.70
SY CHEER	1.25	9.04	15.94	21.32
KWS DAWSUM	0.5	6.99	13.46	17.13
RGT HEXTON	0	5.11	11.97	14.02

SOURCE: Harvest 25 AgX Haddenham

Standing ability

Mindful has a straw length marginally shorter than Skyscraper and a strength equal to it when treated with PGR. In highly fertile situations and when drilled early a good PGR programme is recommended. That said we have not had problems keeping the variety standing and in direct comparison with other feed types it has held its own in commercial seed field conditions against varieties like KWS Dawsum.

Grown for seed in 2022, Mindful achieved 12 tonnes per hectare in Suffolk following sugar beet fallow, compared with 1st wheat Dawsum at 11.1 tonnes per hectare.

“The crop looked good from the start, growing away well in the autumn, and picking up again strongly in the spring. We grew 26ha of Dawsum next door after early lifted sugar beet, and both varieties looked similar through the season. Mindful stood very well. We didn’t experience any weakness at all, albeit it was a dry season, but it is not a tall wheat which is a good sign” said Giles Western, Seed Grower 2022 harvest, Brundish, Suffolk.

Further north in Bedale, North Yorkshire, seed grower Mark Sampson also grew Mindful alongside KWS Dawsum and RGT Bairstow. Drilled next door to each other following potatoes, KWS Dawsum achieved 11.84 tonnes per hectare with a specific weight of 82.95kg/hl. Mindful yielded on par at 12 tonnes per hectare with specific weight at 81kg/ha. RGT Bairstow achieved 10.62t/ha.

“It stood extremely well, better than Dawsum on equivalent adjacent land, and was easy to combine” said Mark Sampson

Sample quality

Mindful is a Costello cross and has most certainly picked up the high specific weight of this popular variety.

“Last year Mindful did just shy of 3.5t/acre (8.5-8.6t/ha) with a lovely solid ear (as in rectangular and bold with 78.5ish bushel weight) and displayed no real signs of disease (septoria unsurprisingly due to dryness, but no chasing yellow rust (unlike nearly all other varieties))!” commented Colin Chappell who produced one of our high grade seed crops harvest 2025.

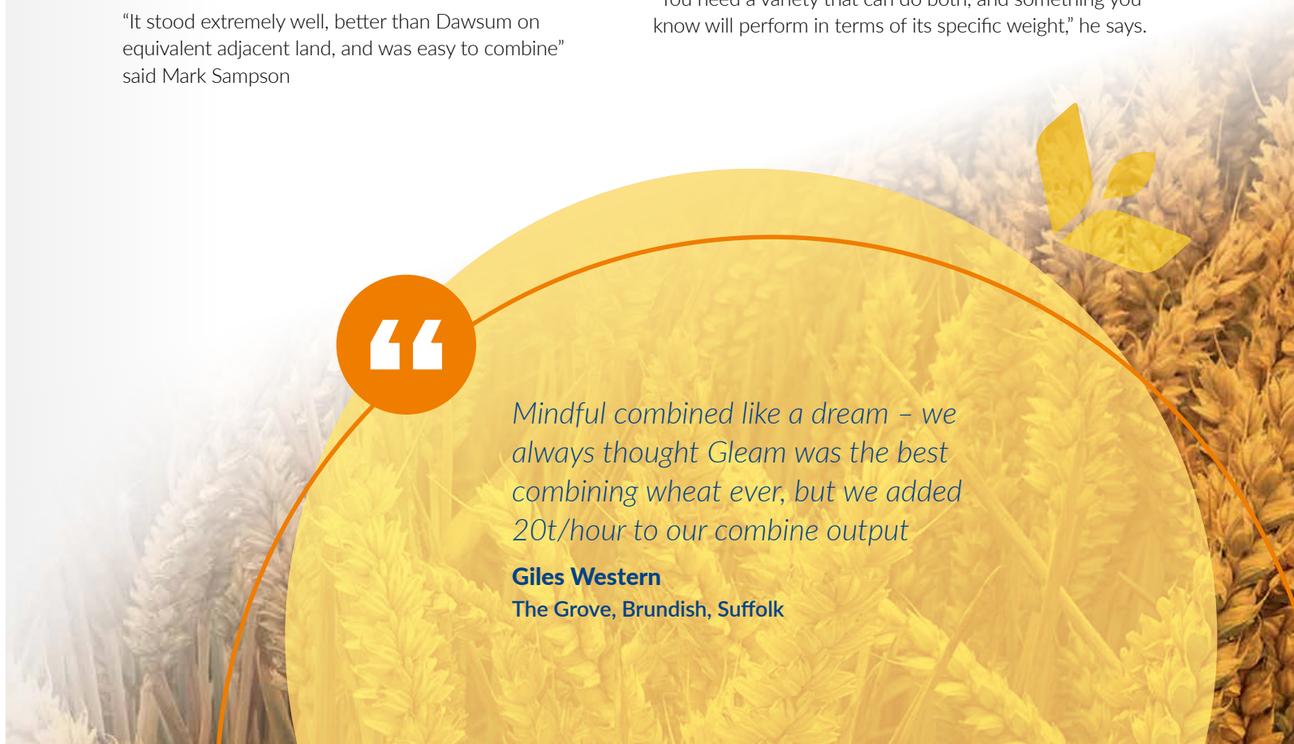
High specific weight brings consistent grain yields whether seasons are dry or wet, but it’s a characteristic which can also prove useful for livestock farmers.

Flexible Mindful proving a livestock farm favourite

Group 4 hard feed wheat, Mindful, is proving a winner for farmers looking for high feed wheat yields, or livestock uses, such as whole cropping or crimping, according to Agrovista agronomist John Ball.

Mindful’s flexibility is a key advantage for his farming clients in Lancashire. “They need something that is versatile,” he says. “It could be whole cropped, it could be combined, depending on the year. If it’s been a good grass-growing year, they may choose to combine it if they don’t have space to store whole cropped wheat in clamps, for example.

“You need a variety that can do both, and something you know will perform in terms of its specific weight,” he says.



Mindful combined like a dream – we always thought Gleam was the best combining wheat ever, but we added 20t/hour to our combine output

Giles Western
The Grove, Brundish, Suffolk

A high specific weight helps with processing, making it easier to ensure every grain is broken open during harvesting. “If it is not a big grain, then it can just go straight through the harvester without being cracked. And then it will pass straight through the animal, not providing any nutritional value and effectively wasting money.

“Getting a good specific weight is key to getting a good final product.”

On farm, John is finding Mindful typically achieving specific weights in the 80s. “That’s down to its Costello parentage. Costello was a banker for high specific weights.”

Its other parent is Evolution, which John says provides good scavenging ability for nutrients. “I think that’s a key aspect of why Mindful’s yield and quality was so consistent last year, because it was able to scavenge for nutrients in a stressful year.”

Another useful characteristic for whole cropping with Mindful is its height. That provides plenty of biomass, which along with the bold grain, helps provide the maximum output.

Agronomically Mindful is strong with excellent mildew and septoria resistance, while holding out well to yellow rust.

“It wasn’t as susceptible to the yellow rust outbreak as I saw in Dawsum and Extase,” John recalls.

Where it’s been grown for whole crop John still advises a full fungicide programme, although the T3 could be manipulated depending on harvest date. “If you’re going to take it when the grain still has a bit of moisture left in, you might treat it slightly differently to taking it when the grain is closer to being fully ripe.”

But while there might be some scope to reduce spend at T3, John is adamant that cutting it out entirely can jeopardise both yield and quality. “It’s important to get right because the cheapest way to feed your cows is through what you can grow at home.”

Yields of whole crop Mindful should be around 25t/ha, while grain yields of 10t/ha have been consistently achieved on his clients’ farms, John says. “It’s been an ideal replacement for Extase and Dawsum type varieties, where the specific weight can be inconsistent.

“A lot of my growers have really liked it – it outyielded most other varieties last year, and it can be grown as a first or second wheat, and drilled early or late, giving a huge amount of flexibility,” he concludes.

A lot of my growers have really liked Mindful - it outyielded most other varieties last year, and it can be grown as a first or second wheat, and drilled early or late, giving a huge amount of flexbility.

John Ball
Agrovista agronomist

WHEAT VARIETIES

Disease resistance

Mindful

Group 4 Hard

- Best mildew score of any AHDB RL variety/ candidate when trialled
- Outyields Dawsum in east and Champion in north
- Good early drilling yields, third highest overall (including Dawsum/ Champion) in 2022
- Compliments Sartorial with earlier drilling window and differing genetics to reduce disease pressure on farm
- Very high specific weight through Costello parent
- Good second wheat on heavy land
- Mindful appears to have inherited from its parent Evolution the latter’s good scavenging capability, with competitive yield both early and late-drilled

Mildew	8
Yellow rust	(8)
Brown rust	5
Septoria tritici	6.3
Fusarium	6
Resistance to lodging	6
Eyespot	6
OWBM	–
Maturity	-2 -1 0 **1** 2

REGION	YIELD
UK	104
EAST	104
WEST	104
NORTH	(103)
Untreated yield	91
First cereal	104
Second cereal	(104)
Light soils	(101)
Heavy soils	105
Spec. weight	79.3

AgX

Though Mindful is a Costello cross it has never had all-out resistance to yellow rust as historically you would find in KWS Dawsum, KWS Siskin or indeed Costello itself before YR15 arrived in 2024. This could only mean that its ‘6’ rating was through multi-gene compound resistance and not because of a single gene. Move forwards to 2026 and Mindful’ s resistance appears to be holding up well.

	9= high levels of YR		
YR Assessment	24/04/2026	01/05/2026	09/05/2026
BAMFORD	3	4.5	7
CHAMPION	8	9	9
KWS DAWSUM	4	7	8
LG BEOWULF	3	7	8
LG TYPHOON	3	5	7
MINDFUL	**0**	**2.5**	**2.5**
RGT GUARDSMAN	0	1	2.5

SOURCE: AgX Dennington 2026

We donate 10% of our Mindful seed sales profit to our partner charities

FCN THE FARMING COMMUNITY NETWORK
03000 111 999
help@fcn.org.uk

RSABI
0808 1234 555
helpline@rsabi.org.uk

Sartorial plants are much more resistant to come out the ground when pulled and when laid alongside Extase have a much bigger root ball.

Catriona Bancroft

Agrovista agronomist

Agrovista ***exclusive***

Sartorial

winter wheat

Sartorial was first introduced to Agrovista customers in 2020 and remains a key stone variety with growers today.

Six years on, Sartorial continues to perform. It remains a consistent and reliable choice on farm, performing well as a later driller in both the first and second wheat slots in rotations and still excels in challenging establishment conditions or direct drilled scenarios making it a valuable management toll on farm.

Rapid % ground cover relative to other varieties

Sartorial

Group 4 Hard

- Excellent establishment capability backed by Agrovista in-house trials has made Sartorial a popular variety with Agrovista growers
- High specific weight and OWBM resistance secures grain quality and builds the package this variety offers
- Santiago parentage plus higher spec weight boosts light land performance while rapid, competitive early season development offers later drilling benefits with challenging seedbeds

Mildew	6
Yellow rust	(7)
Brown rust	5
Septoria tritici	(5.5)
Fusarium	-
Resistance to lodging	7
Eyespot	4
OWBM	R
Maturity	-2 -1 0 1 2

REGION	YIELD
UK	NL data (103)
EAST	(103)
WEST	(103)
NORTH	(104)
Untreated yield	(86)
First cereal	(103)
Second cereal	(103)
Light soils	(103)
Heavy soils	(103)
Spec. weight	77.3

Bracket values give guidance on comparative agronomic values based on commercial observations and Agrovista trial performance.

Agrovista agronomist Quentin Ham compared Sartorial emergence early January 2022 at Wantage in Oxfordshire against four key AHDB Recommended List varieties looking at such characteristics as plant and root vigour and general plant health within the vegetative winter stage. While KWS Extase showed marginally better plant vigour, Sartorial clearly had longer roots despite being on a stonier part of the field, see table below.

Variety	Plant vigour (0 = poor 5 = excellent)	Root vigour (0 = poor 5 = excellent)	Plant health (0 = poor 5 = excellent)	Other observations
GRAHAM	3	4.25	3.5 More disease, yellowing and dead tissue	Worse slug damage
GLEAM	3.5	4.25	3.5 More disease, yellowing and dead tissue	More stoney /flinty soil?
EXTASE	5	4.25	5	Best soil?
DAWSUM	5	4	4.5	
SARTORIAL	4.5 Thinner leaf than Dawsum and Extase	5 Longest roots	4.5	More stoney /flinty soil?

800ft above sea level Scottish Borders – 8 March 2021

Sartorial has opportunity across the UK with Scottish agronomists also seeing its benefit. Agrovista agronomist Catriona Bancroft saw particular advantage in Sartorial's rooting ability in 2022 where the soil was light and loose and struggled to hold nutrients through the winter and spring:

"Growing winter wheat at 800ft in the Scottish Borders can be challenging especially as the soil is light and doesn't hold on to nutrients! The agronomy aim is to have the wheat well-tillered and strong coming out the winter. Both varieties, KWS Extase and Sartorial, have achieved this in spring 2022 with the Extase definitely "leggy".

The exciting difference between the two is in the rooting, Sartorial plants are much more resistant to come out the ground when pulled and when laid alongside Extase have a much bigger root ball. This characteristic of Sartorial should make it more able to forage for nutrients if we have a dry spell in spring and stay anchored if wet, particularly in this sandy loam soil."

Genetic diversity

Sartorial has quite unusual genetics relative to many currently in the market 2026 with Santiago, Cordiale and Soissons among its back-parentage. Santiago was one variety where yellow rust resistance improved in its latter years and Sartorial has shown the same trait. While some levels of yellow rust were observed in Sartorial in high pressure situations, the variety has nevertheless resisted the disease well since 2021.

Growers need to remain vigilant however and safeguard resistance where possible by diversifying variety choice and reacting quickly where signs of the disease appear.

“Sartorial ranked best out of our varieties in untreated yields [harvest 2025] which I think shows older varieties flat line on disease susceptibility and although may appear old and we think have passed their best they do still perform.” Quentin Ham. Discussing Bayer variety trial results Oxfordshire.

Reliability

No two seasons are ever the same. Regional variations in weather will favour one disease over the next, which in turn will benefit one variety over another.

At AgX Draughton, Leicestershire in 2025 Sartorial’s vigorous rooting gave it advantage through the drier weather, coupled with better yellow rust resistance.

The variety finished well, while others died off early. While Sartorial is generally now losing yield to newer lines its worth holding a portion of hard feed acreage in this genetically diverse variety.

Grain quality

At Agrovista we place huge emphasis on high specific weight, which was one reason why we have always been wary of Champion hard feed.
High specific weight gets you out of trouble whether the run up to harvest is overly wet or dry and the trial at AgX Draughton illustrates this point well. Get your fungicide timings wrong and there is potential for an approximate 2 tonnes per hectare yield drop, with a lower value tonnage too, as the low specific weight of that variety risks less than feed price in a dry year. Sartorial is not risk-free, growers need to remain vigilant, but there is less risk in the feed wheat value being discounted. Sartorial is also orange wheat blossom midge resistant retaining high specific weight without grower intervention.

AgX Draughton harvest 2025 Drilled 18 October 2024

Variety	Type	Untreated t/ha	Treated t/ha	Increase t/ha	Untreated kg/hl	Treated kg/hl
KWS AINTREE	Group 4H	8.35	11.09	2.74	72.1	78.33
CHAMPION	Group 4H	8.65	10.91	2.26	68.9	75.03
KWS EXTASE	Group 2	8.99	10.69	1.7	75.1	78.87
KWS SOLITAIRE	Group 3	10.35	10.53	0.18	73.7	75.7
SARTORIAL	**Group 4H**	**10.86**	**10.48**	**0**	**80.1**	**80.23**
KWS VIBE	Group 1	9.13	10.45	1.32	75.8	78.23
KWS SCOPE	Group 4H	9.89	10.31	0.42	78.3	79.43
SPARKLER	Group 4S	8.73	10.29	1.56	72.5	75.87
BLACKSTONE	Group 4S	9.5	10.25	0.74	74.6	78.2
BAMFORD	Group 3	9.83	10.19	0.36	75.5	77.87

Sartorial ranked best out of our varieties in untreated yields [harvest 2025] which I think shows older varieties flat line on disease susceptibility and although may appear old and we think have passed their best they do still perform

Quentin Ham
Agrovista Agronomist

RGT Guardsman

winter wheat

RGT Guardsman is the first BYDV-resistant variety to match conventional feed wheat yield in the absence of the virus, enabling growers to incorporate it into their rotations without any concerns to potential yield shortfall if the virus does not materialise.

The variety is recommended by AHDB and yields without BYDV infection 103% of control across all regions and potentially 104% of control in the north. This is in the same tier as treated Champion, Scope and Bamford. RGT Guardsman was the highest yielding variety at our AgX trial site in Balne near Doncaster harvest 2025.

RGT Guardsman

Group 4 Hard

- RGT Guardsman is the first BYDV resistant variety that has a consistent yield equal to current conventional feed varieties
- RGT Guardsman is the highest yielding BYDV resistant variety commercially available
- It has a generally good profile of disease resistance and is the **ONLY variety commercially available confirmed by UKCPVS to be resistant to yellow rust as a seedling (2025)**
- A high untreated yield equal or better than many current feed varieties
- Standing score treated is equal to LG Defiance and Redwald. Avoid highly fertile sites and use a comprehensive PGR programme
- Slow development, prostrate growth habit and with BYDV resistance, RGT Guardsman is an ideal early drilling variety

Mildew	5
Yellow rust	7r
Brown rust	6
Septoria tritici	6
Fusarium	(5)
Resistance to lodging	5
Eyespot	(5)
OWBM	-
Maturity	-2 -1 0 1 2

REGION	YIELD
UK	103
EAST	103
WEST	103
NORTH	(104)
Untreated yield	87
First cereal	102
Second cereal	106
Light soils	((105))
Heavy soils	101
Spec. weight	75.8

Bracket values give guidance on comparative agronomic values based on commercial observations and Agrovista trial performance.

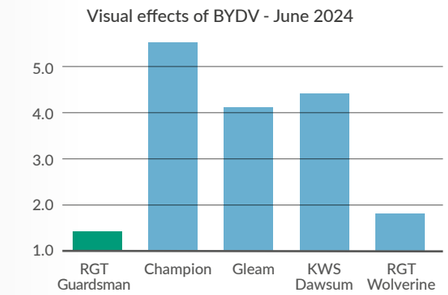
RGT Guardsman has a slow developing, prostrate growth habit ideal for early drilling.

RGT Guardsman was added to the UK AHDB Recommended List December 2025 and is approved for the UK as a specialist variety. It has a high tillering capacity as can be seen in the photograph. Whilst slow through its seedling vegetative stage it quickens it speed of growth in the spring and through stem extension to finish ahead of many other feed varieties.

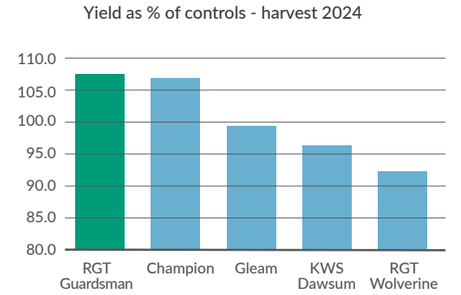
The variety is marginally shorter than LG Skyscraper at adult height. Note we would not recommend August drilling normally in Northamptonshire and will follow with a comprehensive well-timed PGR and fungicide programme to safeguard the varieties genetic resistance.

RGT Guardsman drilled 26 August 2025 Lamport, Northants. Photo taken 5 March 2026

BYDV resistance



	Visual effects of BYDV June 24 1-9 scale 1= zero effect			
	Ickleton	Chepstow	Wiltshire	
RGT GUARDSMAN	**1**	**1.5**	**1.5**	**1.3**
GLEAM	6	4.0	2.0	4.0
RGT WOLVERINE	1.5	2.0	2.0	1.8
CHAMPION	7.5	4.0	4.5	5.3
KWS DAWSUM	5	2.5	5.0	4.2



	Yield as % of controls harvest 2024			
	Ickleton	Chepstow	Wiltshire	
RGT GUARDSMAN	**118.0**	**101.1**	**101.6**	**106.9**
GLEAM	89.6	100.4	105.6	98.5
RGT WOLVERINE	95.4	86.2	93.6	91.7
CHAMPION	110.0	106.7	101.6	106.1
KWS DAWSUM	102.9	87.4	94.9	95.1

SOURCE: RAGT

It is a common occurrence within RGT Guardsman for some yellowing of the leaves to occur in the presence of infected aphids. The mechanism to resist the virus cannot be implemented without the aphid penetrating the surface of the leaf and transferring the virus into the plant. This is different to a mechanical resistance as seen in wheat plants such as those resistant to wheat blossom midge, where the latter is prevented from accessing the plant entirely. RGT Guardsman resists the virus invasion such that there is less virus present in the plant by harvest than there was initially. As such some yellowing will be seen. A merely tolerant plant would manage to survive through to harvest but the viral load would not diminish, and yield would be compromised.

Winter Wheat variety trials yellow rust 2026 Various locations

AgX

	0-9 scale (9 = Heavily infected)								
	Untreated			Treated	Untreated				
	24/04/2026	24/04/2026	24/04/2026		24/04/2026	24/04/2026	24/04/2026	24/04/2026	24/04/2026
Variety	Ag X Dennington Suffolk				Ag X Lamport, Northants		Ag X Draughton	Hinton Waldrist [1]	Walpoles [2]
CHAMPION	8	9	9	2	6	8	5	9	8
KWS AINTREE	6	8	8	2	5	7	5	9	6
KWS DAWSUM	4	7	8	1	0	3	3	8	6
LG BEOWULF	3	7	8	2	4	6	2	8	6
LG DEFIANCE	0	0	0	0	3	7	0	3	0
LG TYPHOON	3	5	7	1	0	0	4	9	8
MINDFUL	0	2.5	2.5	0	6	8	0	6	3.5
RGT GUARDSMAN	**0**	**1**	**2.5**	**0**	**0**	**2**	**0**	**3**	**1**

[1] Courtesy of Bayer, Oxon [2] Courtesy of Bayer, Cambs

YR15 and RGT Guardsman

Due to economies of scale, time and cost savings, most arable managers block large areas of land to single varieties.

This has a negative 'environmental' cost by concentrating the gene pool in one locality and maximising pathogen pressure on single dominant gene resistance. The YR15 resistance collapse has followed intense pathogen pressure with many varieties carrying the same resistance genes.

The laws of population dynamics are that as numbers of any species build in an environment, so gene mutations will occur and eventually by natural selection, whether it's a virus, bacteria, fungi or parasite, the defence of the plant will be overcome, and the resistance mechanism will fail. The yellow rust outbreak (started 2024), was due to the evolution of an existing isolate already present in the UK, rather than a foreign incursion, named 'Warrior-minus'.

As part of the grower's variety decision process, it is important to draw information from more than one source.

RGT Guardsman, according to UKCPVS* is the only variety on the current 2026/27 RL to be completely resistant to yellow rust as a seedling, while AHDB RL adult resistance is a 7. Standard Agrovista rust monitoring 2026 across UK sites builds on AHDB data with monthly updates. See table above.

*UKCPVA = United Kingdom Cereal Pathogen Virulence Survey, NIAB monitors cereal rusts in the UK, detecting and warning industry and growers of new races of disease emerging on resistant varieties.

RGT Guardsman, according to UKCPVS is the only variety on the current 2026/27 RL to be completely resistant to yellow rust as a seedling, while AHDB RL adult resistance is a 7*

Agrovista exclusive

Treble 4

winter wheat

A NEW hard milling UK-bred feed wheat by independent cereal breeder F1 Seeds

Whilst the AHDB Recommended List is the first port of call for many growers there is growing evidence that the 'one cap fits all' philosophy is flawed when individual grower's needs are considered. As an independent wheat breeder, F1 Seed Ltd has engaged with many growers and the overwhelming view received is that growers need more information about variety choice.

Treble 4 was added to the UK National List in November 2024 and production for seed initiated on a small trialing scale harvest 2025.

Those small number of commercial crops are currently under evaluation with Agrovista agronomists across the UK. Bulk seed production began autumn 2025 with one of the best seed growers in the southwest, being monitored by Peter Waltham, Agrovista agronomist:

"The crop looks to be established exceptionally well with good plant and tiller numbers. All very uniform. Canopy development looks about right (not too vigorous and not too slow), with good light penetration" reported Peter on 9 March.

Treble 4 (VL data)

Group 4 Hard

- A high yielding hard feed winter wheat with a robust disease resistance profile and stiff straw
- Treble 4 has a similar growth habit to KWS Palladium suggesting a mainstream drilling window as well as good second wheat opportunity through genetically strong VPM eyespot resistance
- Septoria resistance is also good favouring growers in the wetter regions of the UK
- Grain quality is above average for a feed type with good specific weight, high hagberg and above average protein
- In offical trials Treble 4 was notably stiffer than control varieties Barrel and Skyfall

Mildew	(6)
Yellow rust	(6)
Brown rust	(5)
Septoria tritici	(7)
Fusarium	-
Resistance to lodging	(8)
Eyespot	(6.4)@
OWBM	-
Maturity	-1 0 1 2 (+3)

REGION	YIELD
UK	(105)
EAST	(106)
WEST	(103)
NORTH	(98)
Untreated yield	(83)
First cereal	-
Second cereal	-
Light soils	-
Heavy soils	-
Spec. weight	(78.4)

Treble 4 summary - treated yield

	2021 Treated	2022 Treated	2023 Treated	2024 Treated	2025 Treated	2021-2025
Trial number	1	3	5	2	3	14
LG SKYSCRAPER	97	99	102	94	98	98
SKYFALL	93	96	96	93	96	95
KWS EXTASE	102	103	103	97	99	101
CHAMPION			102	112	99	104
TREBLE 4	**110**	**102**	**108**	**101**	**109**	**106**

SOURCE: F1 Seed

Variety Pedigree

The first information a grower should look at is the variety pedigree. This is valuable in assigning risk and what traits the variety may or may not have.

Treble 4 = KWS Kerrin x Freiston

These parent varieties were selected because of their high yield potential but also the diverse nature of the genetics deployed, KWS Kerrin was derived from the cross KWS Santiago x (Istabraq x Wizard). Freiston was selected from the cross (Alchemy x Hereford) x Shepherd.

Disease profile

In 2025 yellow rust became a major topic of conversation as the resistance gene YR15 was overcome. The new race evolved in 2024 but became more widespread in 2025. 2026 has seen significant progression.

Treble 4 has always picked up some yellow rust and 2025 was no exception.

However, the disease has not reached the levels seen in varieties such as Champion and KWS Aintree and it does not possess YR15.

Though yellow rust is a major disease the reality is that *Septoria tritici* is a more challenging disease. The maritime climate of the UK is particularly favourable for the development of *Septoria tritici* which is present in every field in the UK. Treble 4 has shown a high level of resistance in trials with an AHDB rating of 7.

The crop looks to be established exceptionally well with good plant and tiller numbers. All very uniform. Canopy development looks about right (not too vigorous and not too slow), with good light penetration

Peter Waltham
Agrovista agronomist

Of the other foliar diseases mildew comes in with a rating of 5 along with a brown rust also with a rating of 5.

Many varieties are now susceptible to eyespot particularly those with KWS Extase in their parentage. This disease is expressed not just in second wheats but also in first wheats when drilled early – 'pseudo second wheats'. Treble 4 carries the 'Rendezvous resistance' derived from *Aegilops ventricosa* which explains its high rating of 6.4. This resistance has been robust since its introduction in the late 1970s.

Agronomic traits

Treble 4 has very stiff straw – in untreated trials (the best format for evaluating straw strength) – over a 2-year period the lodging score was 1.6%. This compares with Skyfall 3.5%, Gleam 4.7% and LG Skyscraper at 9.1%. In treated trials the scores were 1.5% for Treble 4, 2.0% for Gleam and 4.0 for Skyscraper. As with most varieties Treble 4 will respond well to Plant Growth Regulators (PGRs) but these should be considered as 'insurance treatments'.

In F1 Seed Ltd private trials Treble 4 recorded 3% lodging in treated trials compared to LG Skyscraper (20%), Gleam (20%) and 5% for KWS Extase

With such stiff straw growers have the option to consider increasing nitrogen rates to maximise output.

Grain quality

Good physical grain quality remains high on our priority of essential wheat characteristics. Treble 4 has produced consistently high specific weights (Treble 4 = 78.2, Champion = 75.5, LG Skyscraper = 77.1)* and high Hagberg falling numbers too (Treble 4 = 284, Champion = 249, LG Skyscraper = 212) *

Hard milling wheat with high Hagberg can often command premiums in the market as end users look towards blending options for human consumption.

*Source: AHDB

Place in the rotation

Wheat varieties tend to fall into three distinct development groups giving an insight into where and when the varieties should be drilled. These groups are

1. **Fast developing/erect growth habit**
   These varieties show very pronounced erect habit in the spring and should not be drilled early.
2. **Medium developing/semi erect habit**
   These varieties (which represent the main variety types) are suited to end September onwards drilling.
3. **Very prostrate late developing**
   These varieties are suited to early drilling.

Treble 4 fits into the Medium developing profile and as such is well suited for the drilling window 20 September onwards. With its stiff straw and good septoria and eyespot ratings, Treble 4 ***should*** be suited to earlier drilling but as yet there is insufficient data to support this key rotational position.

Agrovista assessments of speed of growth across a range of varieties using NDVI**, placed Treble 4 this season to be initially, in the autumn, slower than LG Typhoon and KWS Dawsum, but as we moved through winter and into spring it has quickened to now be ahead of all slow-developing varieties. Early indications are promising that Treble 4 is a potential candidate for mid-September drilling.

**Normalised Difference Vegetation Index. A visual measurement of green leaf area which can then be compared across varieties in trial to determine differences in growth rate.

Winter wheat variety trial Dennington Drilled 26/9/25

Normalised Difference Vegetation Index								
Variety	05/11/2025		26/01/2026		11/03/2026		26/03/2026	
BAMFORD	0.492	abc	0.679	c-f	0.757	b-e	0.800	d-g
KWS DAWSUM	0.494	abc	0.682	cde	0.753	b-e	0.803	d-g
LG TYPHOON	0.489	abc	0.630	i	0.714	fg	0.774	i
MINDFUL	0.494	abc	0.686	cde	0.736	ef	0.792	e-i
RGT GUARDSMAN	0.487	abc	0.660	gh	0.736	ef	0.778	hi
TREBLE 4	**0.484**	**abc**	**0.653**	**h**	**0.759**	**b-e**	**0.807**	**c-g**

SOURCE: AgX Dennington winter wheat variety trials harvest 2026

Yield potential

The first attribute that growers look for is potential yield. AHDB trials input protocols reflect a very robust fungicide regime with more than £350 per hectare spend. Whilst this may reflect the true maximum yield potential of a variety, many growers do not operate with this level of fungicide cost. It is therefore important to monitor the untreated yields as well, for the yield difference indicates the level of risk.

Treble 4 summary - untreated yield

	2022 Unreated	2023 Unreated	2024 Unreated	2025 Unreated	Trial mean
Trial number	1	1	1	1	4
LG SKYSCRAPER	113	105	97	93	102
SKYFALL	61	95	43	85	71
KWS EXTASE	118	99	124	n/a*	114
CHAMPION		107	114	96	106
TREBLE 4	**121**	**119**	**104**	**100**	**111**

SOURCE: F1 Seed *n/a = destroyed by deer

The seed crop continues to look very even and picking up vigour...rooting has appeared to increase more too

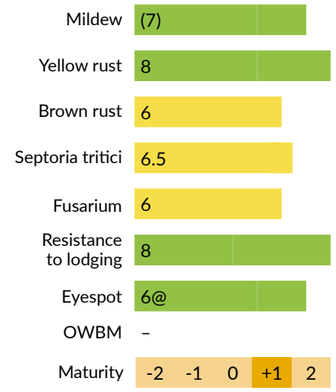
Peter Waltham

Agrovista agronomist reported 9 April

KWS Vibe

Group 1

- Group 1 milling variety from KWS with consistent good milling quality
- Treated yield marginally better than Skyfall and marginally lower than KWS Zyatt, but with significantly improved YR resistance
- Untreated yield 24% higher than Skyfall 18% higher than KWS Zyatt. Likewise improvements over SY Cheer; 7% higher yielding untreated
- KWS Vibe has the highest protein of any Group 1 on the RL, and an above average hagberg and specific weight
- Becoming an established new variety for UK millers



REGION	YIELD
UK	97
EAST	96
WEST	98
NORTH	99
Untreated yield	88
First cereal	97
Second cereal	96
Light soils	97
Heavy soils	97
Spec. weight	78.6

SOURCE: All data AHDB Recommended List 2026/27

KWS Arnie

Group 2

- Group 2 milling wheat offering 2-3% yield advantage over KWS Extase across regions, soil types and drilling positions
- Favourable disease resistance achieves a reasonably high untreated yield
- Shorter and stiffer than KWS Extase
- A fast developer in the autumn with the ability to tiller strongly
- Relatively early to mature, high specific weight

REGION	YIELD
UK	104
EAST	104
WEST	105
NORTH	103
Untreated yield	87
First cereal	104
Second cereal	104
Light soils	103
Heavy soils	104
Spec. weight	78.8

SOURCE: All data AHDB Recommended List 2026/27

Bamford

Group 3

- Consistently high yielding Group 3 biscuit variety with no weaknesses
- Best untreated ratings within milling group
- Diverse end-market opportunity - biscuit, distilling, provisional export soft, with highest specific weight grain Group 3 sector
- Not OWBM resistant
- Monitor yellow rust and consider preventative treatments

Mildew	(6)
Yellow rust	6
Brown rust	6
Septoria tritici	6.4
Fusarium	5
Resistance to lodging	7
Eyespot	6@
OWBM	–
Maturity	-2 -1 **0** +1 2

REGION	YIELD
UK	105
EAST	104
WEST	106
NORTH	107
Untreated yield	89
First cereal	105
Second cereal	105
Light soils	106
Heavy soils	104
Spec. weight	78.5

SOURCE: All data AHDB Recommended List 2026/27

Sparkler

Group 4 Soft

- Longer strawed, less stiff than SY Nairn
- Sparkler is better suited to light soils or later drilling compared with SY Nairn
- Treated and untreated yield similar highlighting varying disease resistance strengths across drilling scenarios Sparkler does not have OWBM resistance
- Sparkler has the joint highest septoria resistance on the AHDB recommended list alongside Champion but with an improved specific weight and yellow rust score

Mildew	5
Yellow rust	7
Brown rust	4
Septoria tritici	7.2
Fusarium	(6)
Resistance to lodging	6
Eyespot	(4)
OWBM	–
Maturity	-2 -1 0 **1** 2

REGION	YIELD
UK	106
EAST	106
WEST	107
NORTH	(108)
Untreated yield	87
First cereal	106
Second cereal	107
Light soils	(106)
Heavy soils	105
Spec. weight	76.7

SOURCE: All data AHDB Recommended List 2026/27

LG Defiance

Group 4 Hard

- Long strawed, hard feed variety with high yields and good grain quality
- Supported with OWBM resistance, high fusarium ear blight score (albeit on limited data) and good specific weight
- Robust disease resistance reflective in the highest untreated yield of all RL 2026/27
- Decent adult yellow resistance 2025

Mildew	7
Yellow rust	8
Brown rust	5
Septoria tritici	6.3
Fusarium	(7)
Resistance to lodging	5
Eyespot	(5)
OWBM	R
Maturity	-2 -1 0 **1** 2

REGION	YIELD
UK	109
EAST	108
WEST	110
NORTH	(109)
Untreated yield	95
First cereal	109
Second cereal	110
Light soils	(108)
Heavy soils	109
Spec. weight	77

SOURCE: All data AHDB Recommended List 2026/27

Barley varieties

Agrovista exclusive

Resolute

winter barley

One would be forgiven to think that if a variety is not on the AHDB Recommended List (RL) then there is no interest and little point in persevering.

But the RL isn't what it used to be as the protocol for acceptance has meant over time that acceptable varieties all follow a similar theme and anything out of the ordinary falls by the wayside.

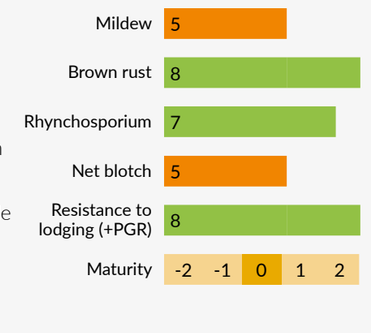
Agrovista market successfully six cereal varieties that are not on the RL. All have added nuances that are not recognised by the protocol and ultimately ignored by the Recommended List Committee who hold judgement on decision day.

Seed crop Resolute DJK Harrison - yielded 9.0t/ha across 25 hectares as a second barley crop on chalk Yorkshire Wolds. Picture taken 23 June. Grain quality good, specific weight from 64.9–66.5 kgs/hl at 14.5% moisture. Screenings 0.4–0.6% through 2.25mm sieve.

Resolute - 2 Row

Data extrapolated from AHDB RL 5-year report 2020-2024 and breeder data

- Limited data suggests outperforms LG Caravelle and KWS Tardis on light soils and KWS Tardis in the east
- Good untreated yield helped by excellent brown rust and rynchosporium resistance combination
- Very few varieties commercially available and of the same high yield have such a robust combination of scores for these two diseases
- Good standing on par with KWS Tardis
- Excellent quality sample to maximise market eligibility for UK and export feed markets



REGION	YIELD
UK	105
EAST	(106)
WEST	(100)
NORTH	102
Untreated yield	90
Light soils	(105)
Heavy soils	(103)
Spec. weight	70

Bracketed data highlights a low number of trials in dataset and cannot be presumed accurate.

Resolute winter barley has better standing than LG Caravelle and higher yields than KWS Tardis. Within the agronomics of a conventional 2-row feed winter barley where it produces a high specific weight, bold grain, lower screenings and in consequence higher useable grain tonnage, Resolute also brings three other benefits to the grower.

1. Disease resistance

Resolute is the highest yielding commercially available variety that is resistant to both brown rust (7) and rhynchosporium (8). The latter is the most damaging disease of UK barley and in the most severe cases can cause yield reductions of up to 1.5t/ha with reduction in grain size too.

Resolute offers genetic diversity of Dutch origin reducing risk of infection, and increasing the safe-spraying time window to protect the crop when weather prevents application.

Looking at performance in AHDB Official trials 2022/23 there is an argument to suggest Resolute would be a safer proposition than growing a marginally higher yielding hybrid winter barley (see table below).

2. Safer bet than a hybrid barley?

Based on official trial yield results if all disease is managed correctly and yield is not compromised, then there is an opportunity of making £66/ha more from growing the hybrid SY Kingsbarn instead of Resolute. This is reduced to £35/ha when the difference in the price of seed is taken into consideration.

However, get the disease management wrong and there is a risk of losing up to £168/ha compared to growing Resolute instead.

Further benefits in growing a 2-row feed winter barley such as Resolute or Aleksandra over a 6-row hybrid:

- Reduced investment outlay in seed cost
- More flexibility in adjusting sowing rate to seedbed conditions
- Ability to be able to farm-save the seed reducing investment cost still further
- Seed quantities per unit pack can be insufficient if drilling is delayed or seedbed quality compromised. Northern growers of hybrids would need to increase rates to 240/250 seeds/m2 in such circumstances making input cost excessive.
- Faster establishment and ground cover and more resilient crop coming out of the winter (see table opposite).

Seed Crop Gardner, Essex. Resolute Harvest 15 May 2025.

Winter barley NL 2-year report 2022-23 extract

Benefit disease resistance Resolute over SY Kingsbarn

	Treated			Untreated		
Year	Mean	2022	2023	Mean	2022	2023
SY KINGSBARN (C)	10.85	10.66	11.14	8.31	7.61	9.00
KWS TARDIS (C)	10.23	10.32	10.43	8.83	8.44	9.21
RESOLUTE	**10.45**	**10.52**	**10.50**	**9.33**	**9.11**	**9.55**
Difference/ha	0.4t/ha x £165 = £66/ha			1.02t/ha x £165 = £168.30/ha		

SOURCE: AHDB / BSPB 2-year VL trials 2022-23

3. Vigour and establishment

AgX variety trials and feedback from growers repeatedly highlights the spring vigour of Resolute compared to hybrid varieties. From the outset the variety has been ahead of competitor varieties harvest 2026 trials.

Winter barley variety trial Lamport

AgX

		% ground cover		
Variety	Seed rate /m²	07/11/2025	10/12/2025	13/01/2026
SY KESTREL	245	34.7	87.5	87.3
SY KINGSBARN	245	35.5	89.8	91.4
SY QUANTOCK	245	33.9	87.3	92.9
ALEXANDRA	350	34.3	90.2	94.6
LG CARAVELLE	350	41.3	92.3	95.2
RESOLUTE	350	54.5	93.3	96.1

SOURCE: AgX Winter Barley trials Lamport Harvest 2026

Resolute vigorous spring growth – March Wiltshire

Resolute is the highest yielding commercially available variety that is resistant to both brown rust (7) and rhyncosporium (8)

BARLEY VARIETIES

Resilient Resolute winter barley exceeds expectations in Essex

High yields of grain and straw across two very different seasons and two contrasting soil types in Essex have clearly demonstrated the consistency and reliability of Agrovista's exclusive two-row winter barley variety Resolute.

Ben Sell, who manages 320ha of combinable crops, rotational grass and energy crops from the family farm near Basildon has grown Resolute for seed for the past two seasons.

"We put about 60% of the harvest 2025 crop on very sandy, stony ground and 40% on very heavy clay," says Ben. "Both fields followed maize and were sown on 7 October at 150kg/ha with a combination drill into land worked with a Simba DTX."

The crop sprung out of the ground and tillered strongly going into winter. "One thing that really stands out is Resolute's vigour," he adds.

"It seems to put plenty of root down and really motored in the spring. If you can get a crop in and away like that it becomes much more resilient when it comes to disease, weather and environmental challenges. "That, coupled with its excellent disease resistance, takes the pressure off the inputs spend and makes management much easier."

No T0 was applied as the crop looked clean. T1 consisted of prothioconazole + fluoxastrobin + n to protect against rhynchosporium and net blotch. Cyflufenamid was added for mildew, along with growth regulators trinexapac-ethyl and chlormequat.

T2 included a top-up of fungicide, ethephon + mepiquat growth regulator and 3 ALO t6p, a foliar treatment that maximises seed and grain filling to optimise yield and quality. No T3 was required due to the dry weather.

"One thing Agrovista stressed was the importance of keeping a seed crop standing, which is why we stepped up the growth regulator programme," Ben recalls.

"We have a digester on farm so we put organic matter down ahead of the heavy-land crop, so we needed to play safe. We used the same growth regulator programme on the light land too. "It worked really well, but the thing that really surprised me is how much straw the variety still managed to produce despite the amount of PGR applied. It averaged over 5t/ha across the whole area which we sold for good money. That gave us a very useful uplift to the overall margin."

Despite the dry weather and at times searing heat, the Resolute was no slouch when it came to yield either. The 8ha heavy-land crop averaged 8.6t/ha over the weighbridge. The 12ha crop on light land unsurprisingly could not match that, but it still averaged 5.4t/ha, producing an overall average of 6.7t/ha. Seed quality was all it needed to be.

"We were very, very pleased with the result, give the significant drought stress our crops were under at various points in the season," says Ben.

The previous wetter season Ben's Resolute averaged 7.2t/ha across 20ha, all of it on light land. "For a variety you don't have to throw the kitchen sink at, the margins are pretty good. "I didn't need much persuading to grow the variety again this year and I'll certainly have another go next year if required.

For anyone who wants a great commercial variety with good disease resistance, great straw yield and plenty of grain to feed to their cattle, Resolute will take some beating

Ben Sell
Essex

Agrovista ***exclusive***

Aleksandra

winter barley

Into its fourth autumn Aleksandra continues to serve livestock farmers well. Dependent on region yield is generally marginally better than KWS Tardis and sometimes also exceeds LG Caravelle.

While yield is acceptable for a 2-row feed Aleksandra excels in other agronomic aspects which makes it somewhat unique in the market today. It has vigorous establishment, its straw is long with plenty of it, its resistance to disease is exceptional and it produces bold grain for feeding or selling.

Aleksandra - 2 Row

Data extrapolated from AHDB RL 5-year report 2019-2023 and breeder data

- Aleksandra is a two-row feed barley with **exceptional** disease resistance and the highest untreated yield and specific weight of **any** variety of its time in official trials
- Untreated yield highest of any variety three years running
- Medium to long strawed perfectly suited to livestock farmers - easy to manage feed variety with max straw yield
- Comprehensive PGR recommended for fertile soils

REGION	YIELD
UK	(101)
EAST	(102)
WEST	(104)
NORTH	(98)
Untreated yield	(95)
Light soils	(100)
Heavy soils	(101)
Spec. weight	72.2

Bracketed data highlights a low number of trials in dataset and cannot be presumed accurate.

Aleksandra 10 January 2024 – showing some hybrid-like vigour and only just looking in need of nitrogen – Quentin Ham, South West Agronomist.

There is a direct link between Aleksandra's disease resistance and its superb specific weight. Unlike wheat where yield is reliant on a disease-free leaf one and two, in barley earlier infections pre growth stage 31 are more important. These can reduce photosynthetic area, restrict tillering and result in lower yields. Foliar disease infections after GS 39 can result in smaller grains and higher screenings. Nevertheless, in most situations fungicides will boost yield and keep crops healthy as they develop through canopy greening or growth regulatory effects.

Aleksandra winter barley is not on the UK AHDB Recommended List as its standing was deemed only 'moderate' following specific trials aimed solely at lodging varieties. Aleksandra's straw is medium to long and will benefit from a comprehensive plant growth regulator programme when following a break crop or grown in highly fertile situations. When managed correctly quality straw can be harvested adding further value to the overall crop.

"We got 349 big round bales off 14 hectares – not bad" voiced dairy farmer Rob Vines, Wiltshire.

By ignoring Aleksandra's straw and grain qualities and superb disease resistance AHDB were potentially denying livestock farmers of a significant home-produced benefit when production margins are tight. Agrovista feels these attributes are worth marketing and have over-ruled their decision and committed to maintain and produce the variety for retail sale. AHDB were not considering the benefits Aleksandra offers the livestock farmer, high specific weight means more starch per tonne and longer straw, more bales per hectare for bedding and feeding.

Aleksandra is fundamentally a management tool for growers and livestock farmers. A source of quality bedding and feeding straw. Or as an extra income stream to sell on. A means to manage risk when arable contractors are employed to grow the crops, or to widen the spraying window of opportunity if covering the entire farmed area when disease strikes is difficult.

Aleksandra is fundamentally a management tool for growers and livestock farmers. A source of quality bedding and feeding straw. Or as an extra income stream to sell on.

"Aleksandra is like a hybrid. Put it in the ground and away it goes. It's a hell of a barley."

Three words sum up Alexandra winter barley for seed grower Colin Chappell – very high vigour.

His 6ha crop looked strong all season and exceeded expectations come harvest.

"It had a good start in our medium-bodied soils, following maize then peas, and romped away in good growing conditions through the autumn and again in the spring, to the extent where I was trying to put the handbrake on," says Colin, of Gander Farm, Hibaldstow near Brigg.

The crop received two PGR applications, but Colin pared back fungicide to a single, albeit fairly robust, dose at T1, using prothioconazole + fluxapyroxad and pyraclostrobin.

"We didn't see much rain at all rain from March onwards," he recalls. "But the crop did have a lot of biomass, so we were being careful."

His Aleksandra looked better and better as the season progressed, despite the dry. "It looked terrific approaching harvest, with huge ears and big, bold seed."

He cut the crop in the first week of July and it didn't disappoint, producing an overall yield of 8.95t/ha, almost a tonne above the farm's norm. "It really performed well, helped by a fantastic specific weight of 71.3kg/hl."

The seed was classed as very high vigour, describing the variety's attributes in a nutshell. "Aleksandra is like a hybrid. Put it in the ground and away it goes. It's a hell of a barley."

Colin is growing a further 6ha of Alexandra for seed this season. "It would be my go-to as a commercial variety. My only caveat is to use an appropriate PGR strategy and don't overdo the nitrogen – it is quite good strength-wise but it is tall strawed.

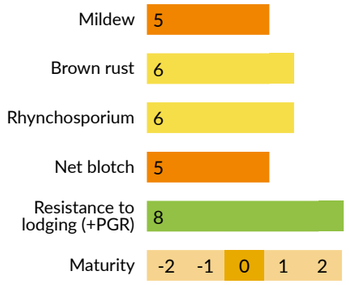
"If I was growing a barley to feed livestock, this is the one. High yield of bold grain, plenty of straw – it ticks both those boxes. And it is a doddle to combine as you'd expect."

All crops this year [2025-26] are coping well with the weather, although perhaps the Aleksandra better as it was tine drilled and unrolled!

Colin Chappell
Lincolnshire

KWS Tardis - 2 Row

- A sound 2-row feed variety with excellent standing ability offering maximum yield potential on fertile and well bodied land
- Mid-length with minimal brackling and generally earlier than the majority



REGION	YIELD
UK	103
EAST	103
WEST	101
NORTH	103
Untreated yield	84
Light soils	103
Heavy soils	105
Spec. weight	70.6

SOURCE: All data AHDB Recommended List 2026/27

LG Caravelle - 2 Row

- Continues to offer a high 2-row feed yield across all regions with a particular eastern strength
- Major competitor to 6-row offer, especially in eastern regions
- Good grain quality and lower screenings
- Overtaken KWS Tardis yield on heavy soils, though not quite as good on standing

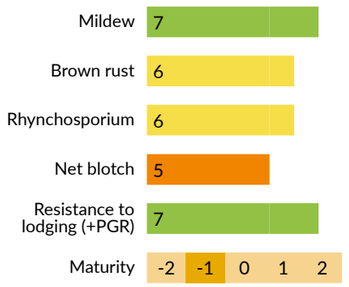
REGION	YIELD
UK	105
EAST	107
WEST	105
NORTH	103
Untreated yield	90
Light soils	104
Heavy soils	107
Spec. weight	71.7

SOURCE: All data AHDB Recommended List 2026/27

Inys - 6 Row

Hybrid

- First hybrid 6-row to challenge Syngenta dominance in the UK market
- High yield across all regions bar west
- Very good standing with minimal lodging and notable height reduction with PGR
- Early maturity



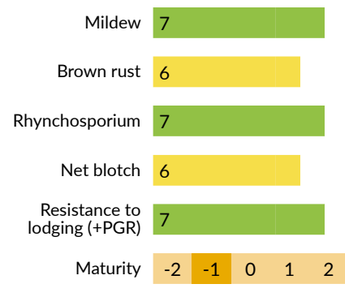
REGION	YIELD
UK	107
EAST	108
WEST	(105)
NORTH	107
Untreated yield	86
Light soils	108
Heavy soils	108
Spec. weight	69.6

SOURCE: All data AHDB Recommended List 2026/27

SY Kestrel - 6 row

Hybrid

- SY Kestrel was the first Hyvido Neo hybrid barley AHDB Recommended List
- Broad spectrum viral protection brings built in resistance against the 3 major serotypes of BYDV as well as tolerance to WDV
- Alows adoption of a No/low insecticide option - cost saving, SFI scheme and positive impact on beneficial insect populations



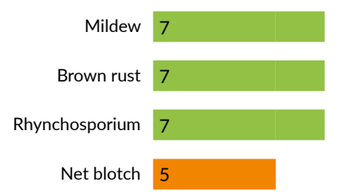
REGION	YIELD
UK	103
EAST	102
WEST	(104)
NORTH	104
Untreated yield	84
Light soils	104
Heavy soils	101
Spec. weight	69.1

SOURCE: All data AHDB Recommended List 2026/27

SY Quantock - 6 row

Hybrid

- Improved disease resistence and specific weight to SY Kingsbarn
- Good untreated yield - 11% higher
- Solid all-region high yield including wetter west
- Earlier maturity and improved brackling resistence to SY Kingsbarn
- The natural replacement



REGION	YIELD
UK	107
EAST	106
WEST	(108)
NORTH	107
Untreated yield	91
Light soils	108
Heavy soils	108
Spec. weight	70.9

SOURCE: All data AHDB Recommended List 2026/27

Hybrid Rye varieties

Reliable performance,

flexible rotations

Growers will always need flexibility within their rotations to manage change, be that weather, weeds, pests or economics. A cereal crop that is relatively new compared to the stalwarts of wheat, barley and oats is hybrid rye.

A firm favourite of many cattle and dairy farmers hybrid rye is also widely grown for its biomass to feed AD plants and more recently added to livestock pig rations, where benefits in growth, pig health and behaviour have been recorded.

Hybrid rye suffers less than conventional varieties to ergot contamination and as a plant species offers higher digestible amino acids than maize and a greater concentration of soluble dietary fibre than wheat or barley. For laying hens, hybrid rye can extend laying duration, shell quality and welfare and can help the industry reduce its carbon footprint as fertiliser inputs are lower.

As a growing crop hybrid rye suffers less from cereal diseases and has a deeper, more aggressive rooting system making it suitable for lighter, drought-prone soils, but still yields well on heavier land. Nutrients are scavenged more efficiently than wheat or barley minimising the crops nitrogen requirement, though a robust PGR program is generally required due to its tall straw.

On light land one of the great benefits of hybrid rye is that it does not suffer from the extremes of yield to which wheat is prone, making for more predictable and reliable performance. Yields on par with wheat averaged over several years are not uncommon (8.5t/ha) but a poor crop of rye may only drop 1t/ha while wheat may fall by 2.

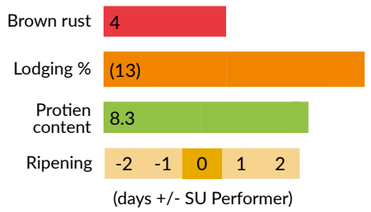
Rye also requires significantly fewer inputs than winter wheat with growing costs potentially being over £100 per hectare less. Nitrogen requirement is only around 150kg/ha compared to winter wheat at 220-250kg/ha which could help anyone farming in a nitrate vulnerable zone and its carbon footprint is relatively low too.

Straw yield can be 100% higher than that for winter wheat depending on variety bringing an additional income. Growers can achieve 12 hesston bales per hectare compared to seven from winter wheat. At £25/bale an extra £125/ha may be available.

> *As a growing crop hybrid rye suffers less from cereal diseases and has a deeper, more aggressive rooting system making it suitable for lighter, drought-prone soils*

SU Performer

- First added to the UK Descriptive List 2017
- A dual purpose variety for both grain and wholecrop markets
- Easy to grow with consistent performance
- Stiff straw and later maturity maximising yield
- Tried trusted variety in the marketplace for over 8 years
- Reliable and consistent for feed, silage and biogas. Also used in brewing and distilling
- Well rounded agronomic package with excellent spring vigour
- Early N application in February builds and retains tiller numbers
- Excellent variety to take to grain harvest with a good spec weight (76.8kh/hl)



Straw length	138
Hagberg falling number	210
Spec. weight (kg/hl)	76.8
Seed status	O/Y and new season

Source: AHDB Descriptive List 2026-27

Astronos

- Astronos has a sound agronomic package of features
- Higher grain yield than SU Performer, shorter straw and higher lodging resistance
- Specific weight of grain is in line with SU Performer
- A dual purpose variety for use in both grain and wholecrop markets

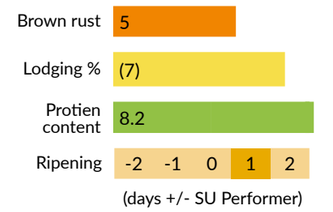
Straw length	134
Hagberg falling number	184
Spec. weight (kg/hl)	76.6
Seed status	O/Y and new season

Source: AHDB Descriptive List 2026-27

> *On light land one of the great benefits of hybrid rye is that it does not suffer from the extremes of yield to which wheat is prone, making for more predictable and reliable performance*

KWS Tayo

- KWS Tayo offers robust stem stiffness compared to older hybrids
- New generation PollenPlus® hybrid with excellent stem stiffness
- KWS Tayo is an excellent option for pig finishing or sow rations
- With high grain and straw yields plus low growing costs

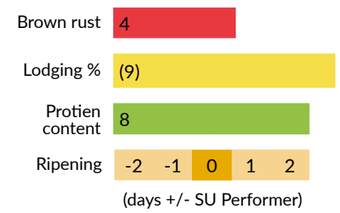


Straw length	136
Hagberg falling number	242
Spec. weight (kg/hl)	76
Seed status	O/Y and new season

Source: AHDB Descriptive List 2026-27

SU Baresi

- SU Baresi is a high performance hybrid rye in grain and biomass production
- Fresh weight yield of 50t/ha achievable under correct management
- Suitable for wholecrop silage and biogas production
- Offers a dense, uniform canopy and good lodging resistance
- High specific weight



Straw length	136
Hagberg falling number	219
Spec. weight (kg/hl)	77
Seed status	O/Y and new season

Source: AHDB Descriptive List 2026-27

Oilseed rape varieties

Risk-sharing offer 2026

Our risk sharing offer extends to all oilseed growers with an opportunity for those wishing to grow a hybrid or conventional line variety.

Agrovista exclusives

Hybrid

DK Exdeka bred by Bayer DeKalb

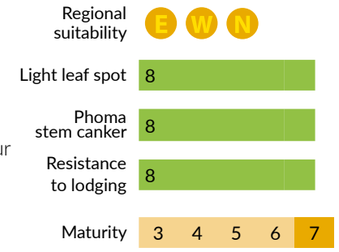
DK Exdeka is the next step on in Dekalbs breeding program which brings all the benefits and characteristics of Dekalb varieties. Including their exceptional autumn and spring vigour alongside their rapid establishment and pod shatter resistance. This now combined with DK Exdeka's outstanding disease resistance of 8 and 8 respectively on LLS and stem canker, its high oil content and its strong lodging resistance make it the most agronomically robust and compelling variety choice on farm this autumn.

DEKALB ESTABLISHMENT SCHEME

Available with the DeKalb establishment risk share scheme

subject to grower enrolment

- DK Exdeka has triple phoma resistance combining RLM7 and RLMS traits alongside polygenic resistance to provide one of the best multi genetic resistances on the market for protection against stem canker
- DK Exdeka's fast establishment and vigour make it a flexible choice for both early or late drilling allowing it to be planted whenever conditions are optimal for establishment success
- DK Exdeka has very high ratings for stem stiffness and lodging, complimented by pod shatter resistance and earliness to maturing make it a reliable variety whatever the weather throws at it



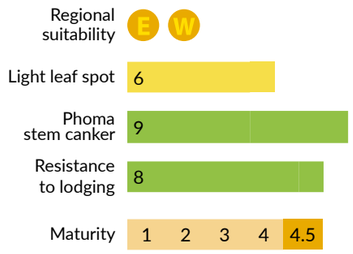
AGRONOMIC DATA	
Data source	UK National List
UK	101%
North	99%
Oil content	46.5%
Plant height	158cm
TuYV resistance	–
Pod shatter resistance	Yes
Traits	Pod shatter, RLM7, RLMS

Conventional

Codex bred by KWS

With the Codex risk share offer the grower only pays royalty on the area established by 31 October. Any failed areas declared by this date will not be liable for any royalty payment. BIPO are responsible for collecting royalty payments for this variety.

- Codex has very vigorous autumn growth capability coupled with good spring vigour
- Codex carries the RLM7 phoma-resistance gene offering maximum resilience against this pathogen and also demonstrates durable resistance to light leaf spot and good tolerance to verticillium stem stripe
- Such a combination offers strong establishment potential while excellent standing ability ensures seed yield is safeguarded through to harvest



AGRONOMIC DATA	
Data source	UK national list
E & W	101%
Oil content	44.9%
Plant height	162
TuYV resistance	–
Pod shatter resistance	–
Traits	RLM7

Hybrid

DK Extremus bred by Bayer DeKalb

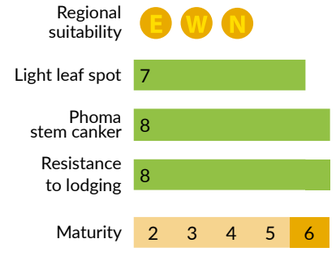
DK Extremus benefits from excellent autumn vigour, rapid establishment and very early spring re-growth to grow away from any winter pest damage. DK Extremus has established itself as one of the leading hybrids in the UK off the back of these key growth characteristics and should be first choice for growers looking for a dependable hybrid.

DEKALB ESTABLISHMENT SCHEME

Available with the DeKalb establishment risk share scheme

subject to grower enrolment

- DK Extremus displays all the characteristics that make DeKalb hybrids so popular in the marketplace
- Well suited to early August drilling with excellent vigour leading to rapid establishment
- Early to flower and mature with excellent disease scores and strong verticillium wilt resistance makes DK Extremus a very robust variety suitable for the majority of growers RLM7 and pod shatter resistance complete an excellent all round package



AGRONOMIC DATA	
Data source	UK National List
E & W	101%
North	98%
Oil content	45.4%
Plant height	152cm
TuYV resistance	–
Pod shatter resistance	Yes
Traits	Pod shatter, RLM7

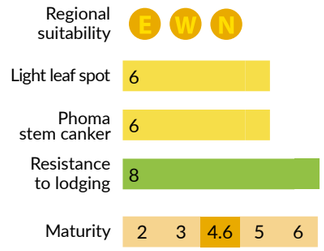
Nightingale bred by Elsoms (Mark Nightingale)

Conventional

Nightingale is a new conventional AHDB candidate variety for this season performing well in preceding VL trials and outyielding all current conventional varieties.

Nightingale is looking exceptional in plots again this year and looks likely to be a firm farmer favourite this autumn and beyond.

- Nightingale has robust light leaf spot and stem canker scores of 6.3 and 6.4 respectively providing a solid agronomic package.
- Nightingale has the highest oil content of any current variety at 46.1%
- Nightingale has been shown to be particularly outstanding in the north with a yield of 102.5%



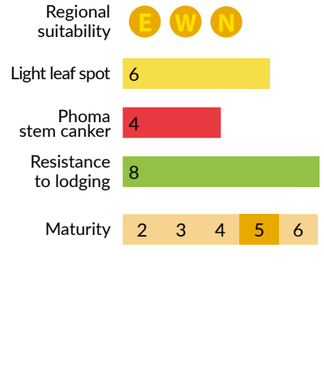
AGRONOMIC DATA	
Data source	UK National List
UK	98.3%
North	102.5%
Oil content	46.1%
Plant height	161cm
TuYV resistance	–
Pod shatter resistance	–
Traits	–

Pi Pinnacle bred by Grainseeds (Mike Pickford)

Conventional

Pi Pinnacle is the biggest conventional variety within the UK, exhibiting a robust yield and gross output. It has a solid agronomic package (though phoma does need monitoring) and it showcases an impressive level of autumn vigour for a conventional variety.

- Pi Pinnacle has a high number of pods per plant producing an abundance of seed which has helped to make the variety the highest yielding conventional OSR available in the UK today
- Early vigour is a match for Campus with yield a good 5% higher than that variety
- Good standing power and light leaf spot scores complete an impressive all round package



AGRONOMIC DATA	
Data source	AHDB RL
E & W	97%
North	98%
Oil content	45.1%
Plant height	158cm
TuYV resistance	–
Pod shatter resistance	–
Traits	–

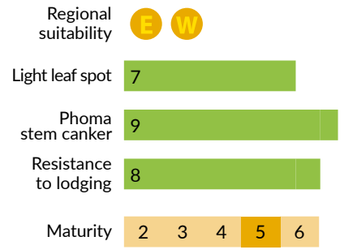
Maverick bred by NPZ UK

Hybrid

Maverick was the highest yielding variety on the 2024-2025 AHDB recommend list and gained a significant market share. Its excellent yield potential is combined with RLM7 and RLMS stem canker resistance, TuYV resistance and excellent autumn and spring vigour.

With the above credentials no doubt it will remain a firm fixture on farms this autumn.

- Maverick has the best phoma resistance seen in trials thanks to it's combination of both RLMS and RLM7 resistance traits
- Autumn vigour is standout point for Maverick making it a dependable option it testing autumns for establishment
- Similarly it's spring regrowth has seen it outgrow potential pest damage from pigeons and larvae where other varieties have sat and struggled



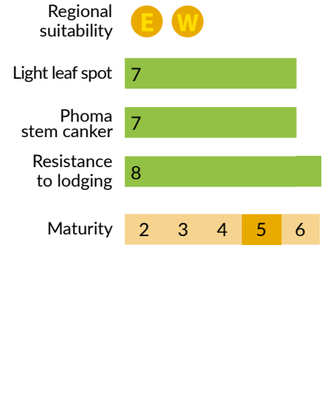
AGRONOMIC DATA	
Data source	AHDB RL
E & W	104%
North	99%
Oil content	46.5%
Plant height	160cm
TuYV resistance	Yes
Pod shatter resistance	–
Traits	TuYV, RLMS, RLM7

Commodore bred by DSV

Hybrid

Commodore is a reliable, robust and consistent OSR variety performing across different soil types and seasons. Its excellent disease resistance, inclusive of verticillium wilt pairs well with TuYV resistance and DSV's powerful pods helps ensure a successful harvest.

- Powerful pods – Commodore benefits from DSV's extensive R&D into making pods more resilient to adverse weather conditions once fully ripened without relying on single gene pod shatter genetics
- The pod health has proven to be exceptional in the wet conditions of the years 2023 and 2024 with the lowest level of pod diseases of all DSV varieties
- Commodore also benefits from high oil content, excellent resistance to lodging and stem stiffness alongside strong autumn and spring vigour



AGRONOMIC DATA	
Data source	Candidate List 2025
E & W	103%
North	(102%)
Oil content	46.9%
Plant height	162cm
TuYV resistance	Yes
Pod shatter resistance	Powerful pods
Traits	TuYV, RLM7

Clearfield

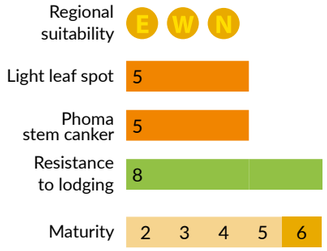
Beatrix CL bred by DSV

Hybrid

Beatrix CL continues to be a strong, reliable and consistent OSR variety within the Clearfield sector and after three years on the recommend list its performing as well as it was the day it was recommended.

Beatrix has stronger verticillium wilt resistance than most Clearfield varieties and in Agrovista trials benefits from the highest vigour out of all Clearfield varieties making it our default choice in this category.

- Displays exceptional gross output for a Clearfield variety. Quad trait hybrid offering TuYV, pod shatter, RLM7 stem canker resistance and Clearfield technology
- Early to mature with a medium height canopy giving very good lodging resistance
- Outstanding winter hardiness



AGRONOMIC DATA	
Data source	AHDB RL
E & W	93%
North	89%
Oil content	46.4%
Plant height	155cm
TuYV resistance	Yes
Pod shatter resistance	Yes
Traits	Clearfield, TuYV, RLM7, pod shatter

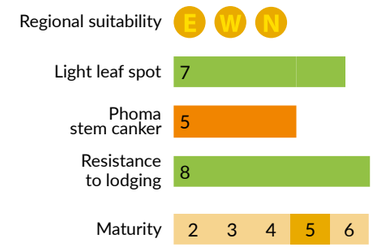
Clubroot tolerant

Crios bred by RAGT

Hybrid

Crios is a newly recommended clubroot resistant variety for the UK, sitting as the second highest yielding variety within this group and providing a great combination of high yields, high oil content and bringing a notable improvement in light leaf spot resistance clearly missing within this sector.

- Crios has the highest agronomic merit score of any clubroot variety on the AHDB recommended list for the north.
- Whilst Crios is recommended for the north, it has performed exceptionally across all areas of the UK and its range of attributes make it a first-choice variety in any clubroot area.
- We believe Crios is the best combination of yield, oil content, lodging and disease resistance on the market within the clubroot sector and shows a real return to form for the breeder RAGT.



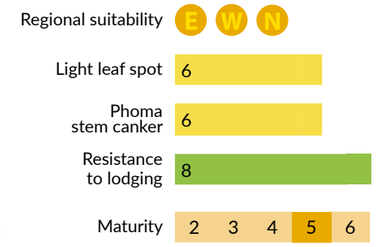
AGRONOMIC DATA	
Data source	AHDB RL
E & W	97%
North	96%
Oil content	45.3%
Plant height	148cm
TuYV resistance	No
Pod shatter resistance	–
Traits	Clubroot

Crusoe bred by NPZ UK

Hybrid

Crusoe is a restored hybrid Recommended List variety for growing on land infected with common strains of clubroot. It has a high gross output, high resistance to stem canker, good resistance to light leaf spot with good stem stiffness and resistance to lodging. It is TuYV resistant.

- Crusoe is the latest of highly successful NPZ UK clubroot breeding programme taking yields to nearly 10% higher than former stalwart variety Crome in the E/W region
- Phoma resistance has always been the Achillies heal of the clubroot varieties. However Crusoe sees a huge leap forwards in it's rating against phoma vs older varieties
- Benefiting from TuYV resistance too Crusoe provides an unrivalled offer in the clubroot market



AGRONOMIC DATA	
Data source	AHDB RL
E & W	99%
North	98%
Oil content	44.9%
Plant height	161cm
TuYV resistance	Yes
Pod shatter resistance	–
Traits	Clubroot, TuTV

Clubroot tolerant oilseed rape varieties are capable of tolerating the more common strains of the clubroot pathogen but new strains are evolving constantly so complete resistance is not possible. Good agronomic practice such as longer cropping rotations, maintaining soils at pH7, delaying drilling and reducing the prevalence of hosts such as brassica based cover crops as well as using a clubroot tolerant oilseed rape variety will all help to reduce the damaging effects of this disease.

Seed treatment

TIROS MAX and Voltek Bio seed treatment

Tiros Max is an enhanced version of the original TIROS nitrogen-fixing seed treatment commercialised by Agrovista exclusively in 2020. Voltek Bio is a biostimulant complex metabolite containing a unique blend of keto acid, amino acids, and additional nutrients.

By choosing to use Tiros Max and Voltek Bio seed treatments in combination, growers are addressing the biological and biostimulant requirements of a crop right from day one.

Tiros Max contains enhanced endophyte colonies – the microorganisms found between living plant cells. Endophytes can influence a range of beneficial behaviours in a plant including fostering growth, fixing nitrogen and reducing the impact of abiotic stress. More colony forming units per seed lead to better colonisation overall and ultimately more consistent results. Enhanced colonisation will maximise the nitrogen fixing and phosphate sequestering power of the endophytes.

Because Tiros Max optimises what is available in the soil, it reduces the reliance on artificial fertiliser products. The specific bacterial endophytes present in Tiros Max have been carefully selected to fix atmospheric nitrogen and sequester other nutrients from the soil, living within the whole plant from roots to shoots.

This results in improved root and shoot biomass, which leads to increased drought stress tolerance. Initially, given some seedbed conditions, Tiros Max-treated seed can be slower to emerge. The complex prioritises the plants resources to where they are most needed which can be root growth ahead of shoot growth.

In contrast, Voltek Bio is a biostimulant metabolite complex which boosts nitrogen and carbon uptake, to aid germination and support crop establishment. In doing so, it maximises the nutrients made available by Tiros Max, whilst helping to stimulate the plant to grow away from potential stresses and pressures.

Harnessing the power of these targeted products in combination provides a connected approach to early plant nutrition, helping growers to make the most of crop establishment and to benefit the plant longer term.

The implications of this guidance, alongside environment, cultivation etc can have consequences for crop establishment and one advantage of the endophytes in the Unium Bioscience's seed treatment, Tiros Max, is the ability to reduce these impacts and ensure the crop prioritises resource to where it is most needed, often this is into root growth ahead of shoot growth.

Voltek can be safely applied with all other seed treatments. Where used in conjunction with Tiros Max an adjusted version excluding phosphite called Voltek Bio is used.

Agrovista exclusive

Voltek impresses in on-farm trials

Split field trials of the unique biostimulant seed treatment, Voltek, are adding to the evidence of its impact on growth above and below ground.

Scottish farmer and spray contractor Andrew Welsh started using Voltek around three years ago. He grows around 60ha of winter and spring barley primarily to feed a herd of 300 pure British Friesian dairy cows.

The cereal crop also plays an important role in his rotation. "We grow cereals to turn over the grass, clean the weeds out of it, and get the nutrient levels back up before putting it back into a ley for another 10 years," he explains.

"So we look at our crops a little differently, in that, yes, we would like lots of grain and straw, but the main goal is to clean the ground."

After using Voltek on two winter barley varieties, Resolute and Aleksandra, with what appeared to be positive results in the first year, he decided to try a comparison in a field comparing with and without Voltek in his second year.

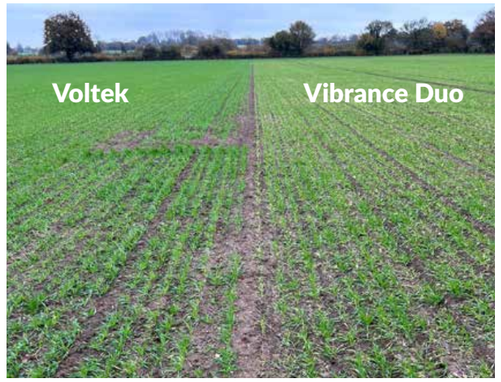
"The straw was better with the Voltek, while the yield, while not massively better, was enough to be noticeable compared with the 2ha strip down the middle of the field which didn't have Voltek," he says.

He followed that on-farm trial with another one in spring barley, this time with a 2ha strip with Voltek and the rest of the field without.

"All year I could see the line down the middle of the field where Voltek was," he reports. "And at harvest there was more straw, less brackling and it was less brittle. The yield was slightly better. We compared plants and the Voltek side had better root structure and increased root mass, which is why the straw was better."

Better quality straw is important on his dairy farm for improved bedding, but also because young calves tend to eat quite a lot of straw, he says.

This year, all his winter and spring barley have been treated with Voltek. "The price at £40-45/t can scare you, but when you work it back to a price per hectare, you realise you couldn't put much P or K down for what it costs, so I think it is very worthwhile on our farm – it just gives a little edge to getting crops established and off to a better start."



It's a similar story in Norfolk for Richard Aldous, who has a field of winter barley part treated with Voltek after running out of seed on his 80ha farm in Banham.

While it is difficult to compare directly within the field, as the Voltek is on the variety Resolute, and the rest of the field is Tardis part treated with a single purpose, and part treated with Vibrance Duo (sedaxane + fludioxonil), Richard is impressed by the differences in rooting and general health of the crop.

"I was sceptical, but seeing is believing. Even with the varietal difference, there was a marked difference in root length and plant biomass, which you could see to the line in the autumn."

Plant measurements made by Richard's son, Harry, for an agricultural college project, have confirmed the differences in root length between the two sides.

By spring the differences in colour were less obvious, he says, but the amount of biomass was still increased compared with Vibrance Duo and the single purpose parts of the field.

Voltek's performance has convinced Richard to use it more widely, starting with a field of spring barley, while he's very likely to use it on winter barley next autumn.

"We don't drill particularly early, usually early October, so anything that gets the crops going is a good thing," he concludes.

Richard's Agrovista agronomist Will Brundle is a firm believer in the benefits Voltek can bring on all cereal crops, but particularly winter barley. "I've been using it to get my winter barley established and away a bit better," he says.

"Using Voltek increases above ground biomass and also rooting depth and helps the crop cope with the herbicides we're using to control blackgrass. It's anecdotal, but where we've used it this season, I've seen a lot less herbicide bleaching."

Where other growers have compared it in split field trials against Vibrance Duo, he's seen similar benefits in increased biomass, if not quicker emergence. "There wasn't a massive difference in emergence, but the Voltek treated plants keep growing putting on more biomass.

"With winter barley getting its yield from maximising viable tillers, the more impact we can have on that in the autumn, the more benefit we should see at harvest," he says.

Rooting assessments across seed treatments on winter barley

Using Voltek increases above ground biomass and also rooting depth and helps the crop cope with the herbicides we're using to control blackgrass. It's anecdotal, but where we've used it this season, I've seen a lot less herbicide bleaching.

Will Brundle
Agrovista agronomist

SEED TREATMENT

West Yorkshire grower Scott Hall is finding using Voltek helps improve crop robustness and health in his wheat crops. Growing 120ha of winter wheat on some heavy soil, he says Voltek is maximising nutrient uptake.

"A big root biomass is essential to achieving full yield potential, particularly with the extreme weather in recent autumns," he says.

His agronomist Lewis Bretton says he found it useful for ensuring emergence on those heavy soil types, including in spring barley in dry seasons. "It gets the crop going and that helps with the rest of the season."

He's also seen less impact from herbicides where he's used Voltek, while another benefit, at least anecdotally, is improved seed quality. "A lot of my customers are saving their own seed to help save costs, and the seed quality seems better where Voltek was used."

Agrovista Northern Region Seed Manager Marc Lanham likes to test our varieties and seed treatments on land close to his home in Holderness, East Yorkshire both to get a close look at the varieties and how they are performing but also to show customers periodically through the year and give guidance to the agronomists in the region.

Marc has a crop of Mindful winter wheat, an exclusive group 4 hard feed variety gaining popularity in the area and featured in this brochure.

From left to right: Beret Gold only; Beret Gold + Kick Off; Beret Gold + Voltek; Beret Gold + Tiros Max Voltek Bio.

SOURCE: Mindful winter Wheat. Holderness, East Yorkshire. Courtesy of AH Hodgson

He has treated Mindful seed with three treatments, the standard biostimulant Kick Off, Voltek and the new nitrogen-fixing seed treatment Tiros Max which also incorporates an adjusted form of Voltek, called Voltek Bio.

Looking at rooting on Mindful plants drilled 1st October 2025 it was very noticeable that the Voltek-treated and Tiros Max + Voltek Bio had longer roots than the Kick-Off and Beret Gold treated.

What is Voltek and how does it work?

Voltek, unlike other commercially available root stimulant seed treatments, contains both a phosphite and the innovative metabolite pentanoate.

Phosphite enhances nitrogen assimilation in young seedlings by increasing the activity of the key nitrate reductase enzyme, helping to build plant biomass, while pentanoate increases root biomass and length and chlorophyll production.

Voltek's positive effects on establishment are more pronounced in less favourable conditions, as root stimulation enables better access to water and soil nutrients.

Voltek

Benefits

- Enhanced germination
- Increased root and shoot biomass
- Improved establishment rate and crop uniformity
- Increased stress tolerance including over wintering

Trials by Nottingham University showed the use of Voltek consistently enhanced germination over untreated and competitor products.

It is not difficult to find examples from our customer commercial crops of the benefit of Voltek biostimulant. Whether the comparator is another biostimulant or more complex treatments such as Vibrance duo, Voltek stimulates faster root growth and bigger plants as a result. A larger root structure will build resilience when stresses hit the crop be it excessive rain or not enough.

Mobile seed cleaning

Agrovista offer the latest innovations and highest quality service in mobile seed operations

The seed mobile machines incorporate continuous flow dressing systems, fully automated seed treatment application technology and highly accurate electronic weighing units. **This provides the ability to monitor and apply seed protection products accurately and in a cost-effective way.**

The mobile units allow for specific varieties and quantities to be treated, giving greater flexibility for the grower in product choice and batch size.

Agrovista can also help you tailor your crop protection inputs to individual varieties, or even fields. We do this by applying the recommended treatment for specific roles with the opportunity to pack to customer's criteria in relation to drill capacity.

Why choose Agrovista?

We have a long standing relationship with our growers in East Anglia, Midlands, Yorkshire and the North East and for many decades have worked alongside each other, to make sure they have quality cleaned and dressed seed, ready to be drilled in one of the busiest times of the farming calendar.

We're investing in new machines to make sure we can continue to keep up this level of service for existing customers and demand from new growers.

We're members of the NAAC (National Association of Agricultural Contractors) and adhere to safe practices on farm.

The mobile can clean and dress all seeds including

- Cereals
- Peas
- Beans
- Oilseed rape
- Linseed
- Small seeds

We offer treatments for

- Take-all
- Wheat bulb fly
- Manganese
- Seed borne disease
- Anti-virus strategy
- Insect control strategy
- Improved establishment

They have achieved some impressive throughputs, dressing and cleaning up to 73 tonnes in a single day

John Wallace
Director, Wallace Daniels Limited

agrovista
seeds

Agrovista UK Limited
Rutherford House
Nottingham Science & Technology Park
University Boulevard
Nottingham
NG7 2PZ

01469 560331
enquiries@agrovista.co.uk

@AgrovistaUK

agrovista.co.uk/seeds

06/26