



agrovista
seeds



Cereals and oilseed rape key varieties

2021

growing through
innovation



Welcome

to Agrovista's seed varieties brochure 2021

Varieties and seed treatments have become key management tools for farmers looking to address the many challenges they face in the arable sector.

Extremes of weather, the ongoing withdrawal of plant protection products and increasing pest pressure, together with reducing BPS payments and a renewed focus on environmental and soil health, are all adding to the uncertainty of crop production.

We at Agrovista have worked hard to offer a complete solution. This brochure outlines the benefits that our Autumn 2021 selection of varieties offers, their suitability for your farm and where they might fit within your rotation.

In summer 2020 we launched our OSR establishment risk-share offer to help mitigate the cost of autumn crop failure – the only scheme offering a zero seed cost if the crop didn't establish. We are offering the scheme again this autumn with the conventional variety Codex, and a shared-cost offer with the hybrid variety InV1155.

Our portfolio of OSR varieties includes all the key technology traits – Clearfield, resistances to clubroot, turnip yellows virus and pod shatter, RLM7 stem canker resistance and good autumn and spring vigour.

This autumn PT303 the first sclerotinia-tolerant variety will be launched, which we have paired with complimentary satellite imagery to help create variable-rate input plans.

Also new this autumn is Dart, which benefits from many valuable traits and has shown interesting tolerance to flea beetle larvae. We have paired Dart with Tabor berseem clover at no extra cost to aid establishment and rooting.

Within cereals Agrovista has hand-picked a portfolio of 10 wheats to help manage workloads, minimise risks and improve gross margins on farm.

To meet these aims, we've focused on end markets, disease resistance, BYDV tolerance, drilling date flexibility, varietal diversification and regenerative farming practices.

Of particular interest is Agrovista's exclusive wheat variety Sartorial, which has excelled on farm in its first full year of commercial production.

This autumn will also see the launch of our regenerative seed offer that avoids the use of fungicidal seed dressings, increasing soil health whilst minimising the risks of seed-borne diseases.

If you would like to discuss any of the areas highlighted in this brochure, please speak to your local Agrovista agronomist who will be pleased to offer advice tailored to your specific needs.



TED WILLIAMS
Arable Product Manager

Recleaned seed and biostimulant seed treatment



The new Environmental Land Management Scheme (ELM) will not be fully rolled out until late 2024. However, Tier 1 of the scheme, the Sustainable Farming Incentive (SFI), is set to launch in 2022. Farmers will be encouraged to adopt environmentally sustainable practices and will be paid according to their level of engagement.

Farmers will therefore be at the forefront of reversing environmental declines and tackling climate change as they reshape the future of farming in the 21st century.

Regenerative agriculture is a system of farming

principles and practices that seeks to rehabilitate and enhance the entire ecosystem of the farm by placing a heavy premium on soil health with attention also paid to water management, fertiliser use, and more. It sits firmly within the requirements of ELM.

For UK farmers wishing to follow these regenerative principles, Agrovista offers disease-tested recleaned seed stocks and a unique biological seed treatment combination with nitrogen-fixing properties and a metabolite nutritional complex, available autumn 2021 on the two leading varieties *Sartorial* and *KWS Extase*.



The ultimate plant nutrition duo

A combination of two complementary seed treatments offering the ultimate support for plant establishment and early nutrition.

Using Tiros and Voltek Bio in combination offers the following benefits:

- Improved nutrition uptake and efficiency
- Increased root and shoot biomass
- Supported plant establishment and early vigour
- Improved crop uniformity
- Resistance to stress

For more information, visit [agrovista.co.uk/innovation](https://www.agrovista.co.uk/innovation)



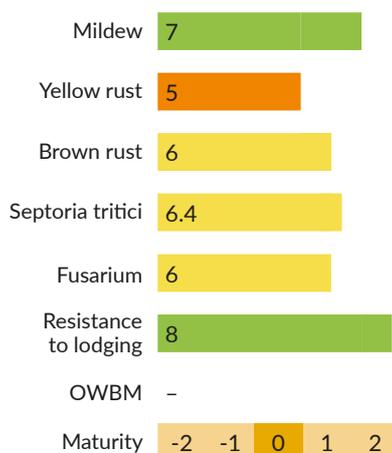


Wheat varieties

KWS ZYATT

Group 1

- This short and relatively stiff Group 1 variety is the top-yielding variety in its class with an optimum performance in the West and second cereal position
- It has the highest resistance score to septoria tritici in its milling group and the best eyespot resistance score of any variety on the AHDB RL
- Widely accepted by millers for its broad baking functionality and has 'UKp' for the export market

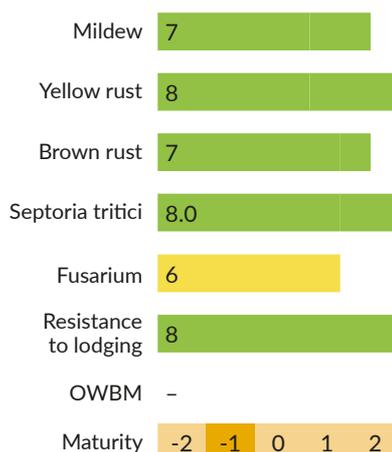


| REGION | YIELD |
|-----------------|-------|
| UK | 98 |
| EAST | 98 |
| WEST | 99 |
| NORTH | 97 |
| Untreated yield | 79 |
| First cereal | 98 |
| Second cereal | 99 |
| Light soils | 97 |
| Heavy soils | 99 |
| Spec. weight | 77.8 |

KWS EXTASE

Group 2

- Jointly the highest yielding Group 2 variety this has very high resistance to septoria tritici and good resistance to yellow and brown rust
- Extase retains the highest untreated yield on the Recommended List
- Exceptional grain quality, early maturity and high sprouting resistance offers quality insurance
- A promising new variety gaining a strong following

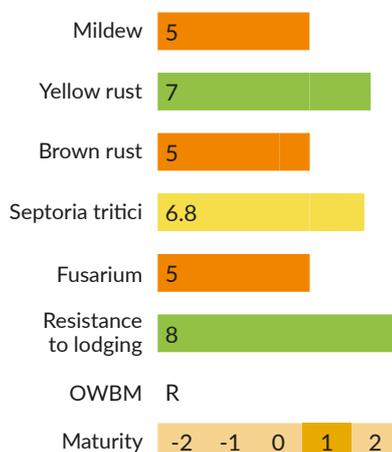


| REGION | YIELD |
|-----------------|-------|
| UK | 100 |
| EAST | 100 |
| WEST | 101 |
| NORTH | 98 |
| Untreated yield | 93 |
| First cereal | 100 |
| Second cereal | 101 |
| Light soils | 101 |
| Heavy soils | 100 |
| Spec. weight | 78.4 |

KWS FIREFLY

Group 3

- The popularity of Firefly rests with its excellent standing ability and high yield capability, particularly on heavy soils
- The variety was top of Agrovista all-variety trials 2019 measured across three sites
- Firefly is accepted throughout the biscuit market both in the UK and abroad with full 'UKs' acceptability
- UK demand likely to remain high with good seed availability

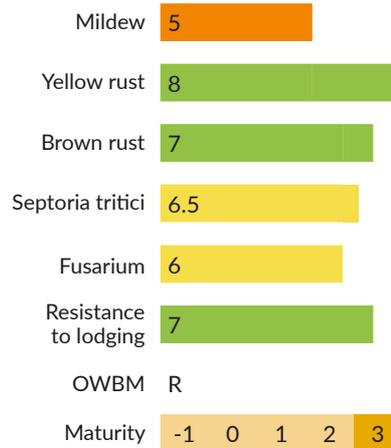


| REGION | YIELD |
|-----------------|-------|
| UK | 101 |
| EAST | 102 |
| WEST | 101 |
| NORTH | 98 |
| Untreated yield | 80 |
| First cereal | 101 |
| Second cereal | 101 |
| Light soils | 101 |
| Heavy soils | 103 |
| Spec. weight | 75.6 |

RGT SAKI

Group 4 Soft

- Saki offers a solid combination of disease scores supporting its early drilling capability, and yields enhanced by its later maturity
- Joint highest yielding variety in a second wheat position. Agronomists report good drought tolerance and green leaf retention with strong spring vigour and tillering capability
- Saki has an above-average untreated yield and was the highest yielding variety in Agrovista trials 2020 despite the difficult growing conditions that year

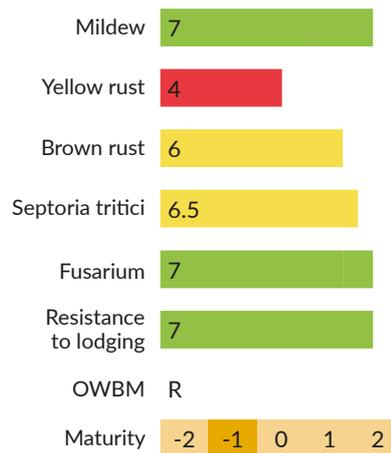


| REGION | YIELD |
|-----------------|-------|
| UK | 104 |
| EAST | 104 |
| WEST | 104 |
| NORTH | 102 |
| Untreated yield | 85 |
| First cereal | 104 |
| Second cereal | 104 |
| Light soils | 103 |
| Heavy soils | 103 |
| Spec. weight | 75.9 |

BELEPI

Group 4 Soft

- Industry's most unique wheat with a six-month drilling window
- Recommended for drilling October to end March. Profuse spring tillering and wide leaf type offers excellent smothering capabilities in blackgrass situations
- Early to harvest, an ideal entry for OSR and cover crops. Can achieve biscuit quality where accepted
- As the only spring-drilling soft endosperm wheat variety available, and good end-of-season disease resistance, Belepi has developed a strong following in the North

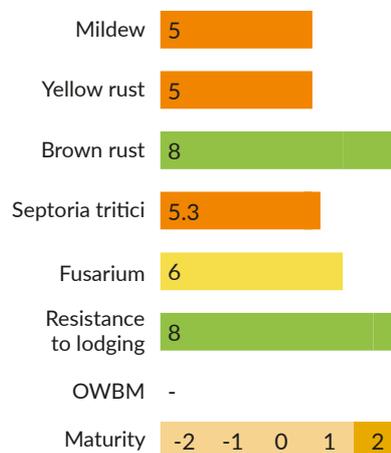


| REGION | YIELD |
|-----------------|-------------------------------|
| UK | Similar to late sown Santiago |
| Untreated yield | 80 |
| First cereal | 100 |
| Second cereal | 99 |
| Light soils | 101 |
| Heavy soils | 100 |
| Spec. weight | 76 |

RGT WOLVERINE

Group 4 Hard

- Unique in the UK market. The first winter wheat variety to offer a safeguard against barley yellow dwarf virus
- Offers earlier drilling opportunity without virus risk with good standing power
- Excellent brown rust resistance
- Growers may still require a foliar pesticide where aphid pressure is high as well as comprehensive fungicide programme for septoria tritici control

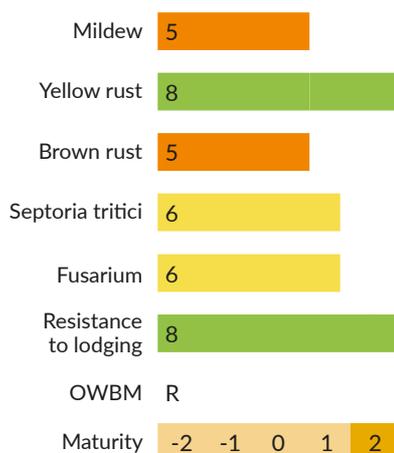


| REGION | YIELD |
|-----------------|-------|
| UK | 102 |
| EAST | 101 |
| WEST | 102 |
| NORTH | (103) |
| Untreated yield | 72 |
| First cereal | 102 |
| Second cereal | 101 |
| Light soils | (99) |
| Heavy soils | 102 |
| Spec. weight | 75.9 |

KWS CRANIUM

Group 4 Hard

- High yielding hard Group 4 feed wheat, consistent performance across all regions, first or second wheat position
- Notable yield on both light land and in a late-drilling position suggestive of good scavenging capability, though later maturity than Sartorial may compromise drilling date
- Good variety to complement Sartorial where hard feed types are preferred
- Very good standing capability benefitting highly fertile sites

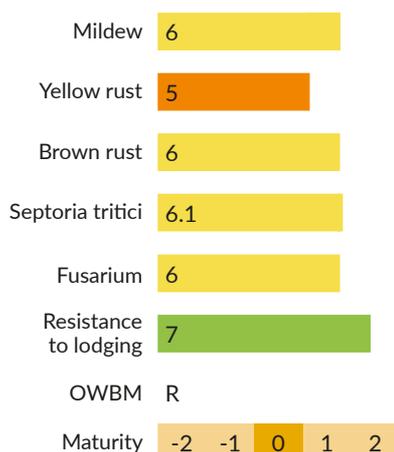


| REGION | YIELD |
|-----------------|-------|
| UK | 104 |
| EAST | 104 |
| WEST | 104 |
| NORTH | (102) |
| Untreated yield | 78 |
| First cereal | 104 |
| Second cereal | 103 |
| Light soils | (105) |
| Heavy soils | 103 |
| Spec. weight | 75.4 |

GLEAM

Group 4 Hard

- A high yielding feed wheat with good consistent performance in all situations across UK
- Gleam's popularity has compromised resistance to yellow rust and to a lesser degree also septoria tritici
- Untreated yield remains in the top third of Group 4 hard varieties
- Slow early-season development suggesting mid-September drilling option
- Performs reasonably well late sown and a good second wheat too

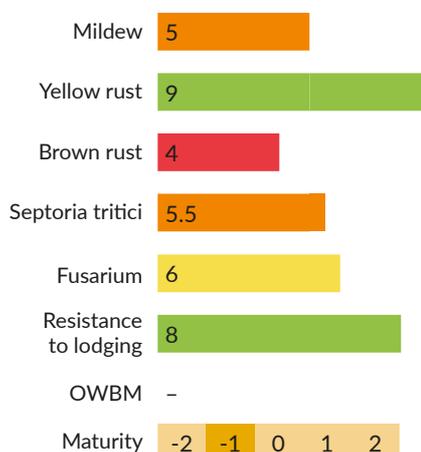


| REGION | YIELD |
|-----------------|-------|
| UK | 103 |
| EAST | 103 |
| WEST | 103 |
| NORTH | 102 |
| Untreated yield | 81 |
| First cereal | 103 |
| Second cereal | 103 |
| Light soils | 102 |
| Heavy soils | 103 |
| Spec. weight | 76.3 |

KWS PARKIN

Group 4 Hard

- Unique in the market – a very stiff, very short (78.6 cms) and early-maturing hard feed ideally suited to fertile or heavy soils where standing can be an issue
- Likened to Grafton, but with an extra 10% yield
- Good first wheat, pre-25th Sept drilling best performance. Above-average septoria tritici and moderate brown rust resistance
- Moderately quicker than Grafton to GS31. Costello parent offers excellent yellow rust resistance
- Earlier to mature than Graham and Extase in breeder trials



| REGION | YIELD |
|-----------------|-------|
| UK | 101 |
| EAST | 101 |
| WEST | 101 |
| NORTH | (100) |
| Untreated yield | 79 |
| First cereal | 101 |
| Second cereal | 99 |
| Light soils | 100 |
| Heavy soils | 102 |
| Spec. weight | 76.2 |

Sartorial

Group 4 Hard

**Agrovista
exclusive**

Exceptional early vigour delivering outstanding performance

Exclusive to Agrovista, this hard Group 4 variety performed well on customers' farms in 2020, its first year of commercial production. Sartorial has excellent capability to establish in difficult conditions – a trait that was first recognised in Agrovista's unique low-till establishment trials programme back in 2018. Observations on customers' farms in 2019 have supported these findings.

While a vigorous growth habit is ideal for difficult conditions following root crops, Sartorial is equally happy as a variety for the main drilling window at the end of September, early October.



Sartorial SPD

Drilled 03/12/2019. 450 seeds/m².



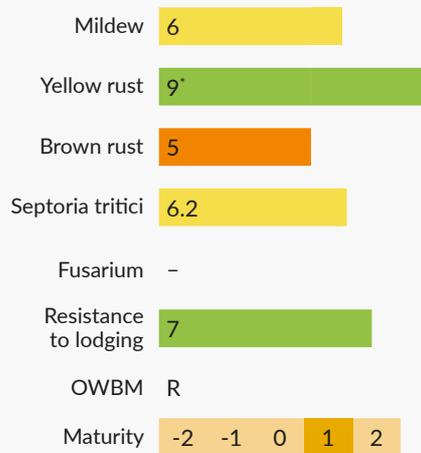
Kerrin + Vibrance Duo

Drilled 03/12/2019. 450 seeds/m².

SARTORIAL

Group 4 Hard

- Excellent establishment capability backed by Agrovista in-house trials. Vigorous growth habit akin to Siskin with higher yield, better standing power and higher specific weight
- High yellow rust and 6+ septoria tritici resistance. OWBM resistant
- Good light-land performance while rapid, competitive early-season development offers later-drilling benefits with challenging seedbeds



| REGION | YIELD |
|-----------------|-------|
| UK | (103) |
| EAST | (103) |
| WEST | (103) |
| NORTH | (104) |
| Untreated yield | 81 |
| First cereal | 104 |
| Second cereal | 103 |
| Light soils | 103 |
| Heavy soils | 105 |
| Spec. weight | 77.3 |

*Agrovista observation trials 2020

Sartorial has good resistance to yellow rust. Observations at our principal winter wheat trial site in Draughton, Leicestershire during 2020 illustrate the variety's robust resistance to this disease.

In April Sartorial was clean along with Costello, Extase and Parkin among others.

By early to mid-May yellow rust was starting to appear in principal varieties such as Skyscraper, Spotlight and Gravity, while Sartorial remained clean. Pustules of the pathogen did not appear in Sartorial until early June, by which time some varieties were exhibiting significant levels of the disease which worsened through the month. Conversely Sartorial's infection remained at minimal levels in line with other highly resistant varieties.

| Variety | Presence of yellow rust | Yellow rust 0-10 score (0=no disease found) | | | | | |
|------------|-------------------------|---|------------|------------|------------|------------|------------|
| | | 17/04/2020 | 05/05/2020 | 19/05/2020 | 04/06/2020 | 16/06/2020 | 24/06/2020 |
| EXTASE | | | 0 | 0 | 0 | 0 | 0 |
| SISKIN | | | 0 | 0 | 0 | 0 | 0 |
| SPOTLIGHT | YES | | 2 | 4 | 5 | 4 | 5 |
| SKYSCRAPER | | | 1 | 2 | 1 | 1 | 1 |
| SAKI | | | 0 | 1 | 2 | 1 | 2 |
| COSTELLO | | | 0 | 0 | 1 | 2 | 1 |
| GRAHAM | | | 1 | 3 | 3 | 4 | 2 |
| PARKIN | | | 0 | 1 | 1 | 1 | 1 |
| GRAVITY | | | 2 | 3 | 4 | 4 | 5 |
| SARTORIAL | | | 0 | 0 | 2 | 1 | 1 |
| SY INSITOR | YES | | 1 | 3 | 4 | 4 | 6 |

“

One clear visual going through the year was Sartorial did remain fairly clean with very little rust infection whereas I struggled to manage rust in Kerrin on this particular farm

James Green
Agrovista agronomist





Agrovista Kelso winter wheat variety trial harvest 2020

| Variety | Type | Yield t/ha at 15% mc | | | Hectolitre Weight | |
|---------------|---------------|----------------------|-----------------|------------------|--------------------|------------------|
| | | Untreated t/ha | Treated t/ha | Increase t/ha | Untreated kg/hl | Treated kg/hl |
| SARTORIAL | Group 4 hard | 9.79 | 11.55 | 1.76 | 77.60 | 76.3 |
| KWS BARREL | Group 3 | 9.60 | 11.36 | 1.76 | 76.00 | 75.9 |
| LG SPOTLIGHT | Group 4 soft | 9.70 | 11.28 | 1.58 | 77.00 | 77.3 |
| RGT SAKI | Group 4 soft | 10.37 | 11.24 | 0.87 | 75.80 | 75.7 |
| SY INSITOR | Group 4 hard | 9.68 | 11.14 | 1.46 | 77.60 | 78.5 |
| SWALLOW | Group 4h cand | 9.02 | 11.01 | 1.99 | 76.20 | 75.8 |
| GRAHAM | Group 4 hard | 10.23 | 10.99 | 0.76 | 76.40 | 76.9 |
| KWS JACKAL | Group 4 soft | 8.71 | 10.81 | 2.10 | 76.00 | 77.1 |
| GLEAM | Group 4 hard | 8.84 | 10.74 | 1.90 | 77.00 | 76.1 |
| RGT GRAVITY | Group 4 hard | 8.60 | 10.69 | 2.09 | 75.00 | 74.3 |
| ELICIT | Group 3 | 7.10 | 10.41 | 3.31 | 76.00 | 76.0 |
| ELATION | Group 4 soft | 8.11 | 10.36 | 2.25 | 77.60 | 77.0 |
| LG SKYSCRAPER | Group 4 soft | 8.05 | 10.33 | 2.28 | 76.20 | 76.3 |
| LG ILLUMINATE | Group 3 cand | 8.80 | 10.26 | 1.46 | 75.60 | 76.5 |
| LG ASTRONOMER | Group 3 cand | 8.40 | 10.08 | 1.68 | 76.80 | 77.1 |

With special thanks to DS Willis and The Carlisle Lewis Partnership for hosting our trials

Sartorial offers high yield opportunity throughout the UK. At Kelso in the Scottish Borders, Sartorial was 'best in trial' in 2020, outperforming established and new northern varieties such as KWS Barrel, LG Skyscraper and SY Insitor. Sartorial's yield was further enhanced by its high specific weight which was greater than many others, whether treated or untreated.

James Green, Agrovista agronomist, managing Sartorial near Peterborough in Cambridgeshire last year noted the cleanliness of Sartorial relative to others. "One clear visual going through the year was Sartorial did remain fairly clean with very little rust infection, whereas I struggled to manage rust in my Kerrin on this particular farm."

Last year's brochure featured a second wheat crop in Kent managed by our Agrovista agronomist Andrew Pendry. The crop outperformed all other wheat varieties on farm in what turned out to be a very difficult season.

Initially it was the wet conditions experienced in the autumn, but moving from a short spring into a droughted summer many wheat crops suffered under baking intense heat.

Yields were inevitably down across the board. Mr Burke of PJ Burke, Moatlands Farm, Marden, Kent said:

"We grew Sartorial for the first time last season and after what can only be described as a tough year, it outyielded all our other feed wheats at 8.1 tonnes per hectare. We are growing it again this year."

“We grew Sartorial for the first time last season and after what can only be described as a tough year, it outyielded all our other feed wheats at 8.1 tonnes per hectare. We are growing it again this year.”

P J Burke, Moatlands Farm, Marden, Kent

Agrovista’s Rob Hindle has the most experience of any Agrovista agronomist with Sartorial, having managed one of the first seed crops back in 2018/19. He sees the variety’s ability to rapidly establish on the heavy soils of Suffolk, particularly in second wheat situations, as especially advantageous.

Feedback from his customers who like to assess new varieties before they choose which to farm-save for seed, has been telling with Sartorial: Adrian Alfred, farming in Stowmarket, Suffolk said: “I sent two samples of wheat – KWS Kerrin and Sartorial from my 2020 crop off to my usual wheat buyer. The results came back with Sartorial showing a distinct advantage on specific weight and an offer for an extra £5/t feed value to buy the crop.

| Variety | Sampling location | Moisture | kg/hl | Hagberg | Protein |
|-----------|-------------------|----------|-------|---------|---------|
| SARTORIAL | Farm store | 12.2 | 78.3 | 203 | 11.16 |
| KERRIN | Farm store | 12.3 | 77.4 | 207 | 10.25 |

“Needless to say we are drilling all Sartorial this year,” Mr Aldred concluded.

Simon Pretty farms in East Norfolk, while also working as an Agrovista agronomist. Such is his enthusiasm for the variety that he drilled it alongside Kerrin on his own land on the same day. Sartorial is on the right hand side in the picture below.



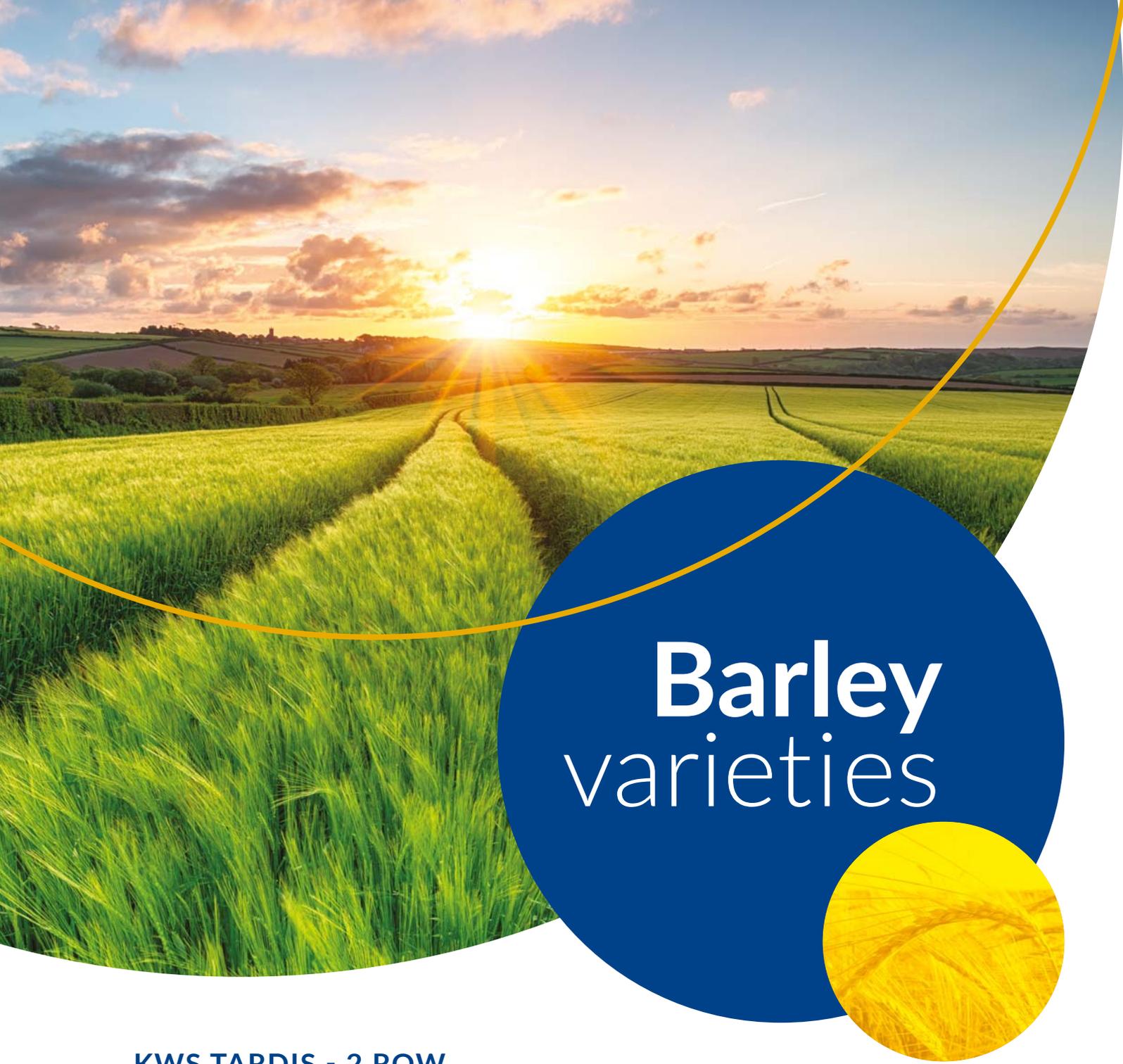
Similar observations have been made with more rapidly establishing varieties such as Skyfall, known for its suitability for late drilling. Tim Ashley, managing Sartorial in Leicestershire, took this picture of Sartorial on the right-hand side with Skyfall on the left. This picture was taken in the autumn of 2020.



Below is an NDVI satellite biomass image taken in March 21 of the same field prior to fertiliser application, giving an indication of the improved photosynthesis of Sartorial, expressed as a deeper green (notable in the picture below between the yellow markers).

Such root development was noted last season and certainly seemed to help it to establish in the difficult conditions of autumn 2019 and withstand the drought better in the 2020 season.

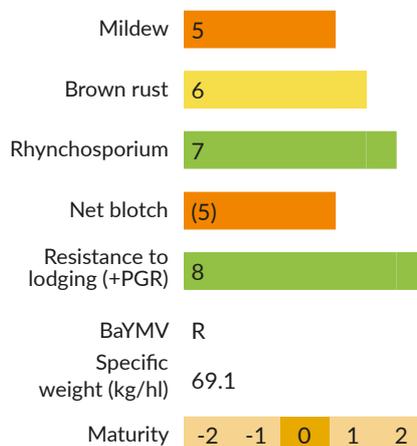




Barley varieties

KWS TARDIS - 2 ROW

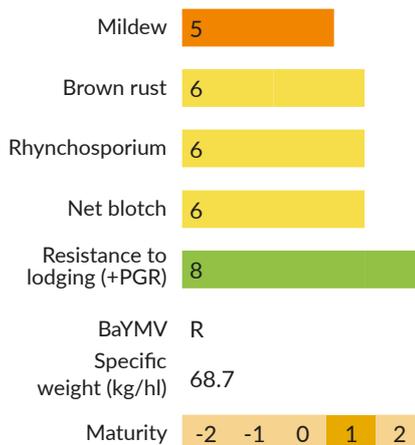
- Newly added to RL 2021/22 as joint highest yielding two-row feed variety in the UK
- Potentially the highest yielding feed two-row in the West and matching six-row hybrid yields in East
- Trials suggest very high yields on heavy soils and high yields on light soils in line with many hybrids
- Good rhynchosporium resistance and relatively early to mature. Excellent standing power



| REGION | YIELD |
|-----------------|-------|
| UK | 106 |
| EAST | 107 |
| WEST | (105) |
| NORTH | 105 |
| Untreated yield | 83 |
| Light soils | 104 |
| Heavy soils | (110) |

KWS HAWKING - 2 ROW

- Added to the RL 2020/21 as joint highest yielding two-row feed variety in the UK and the highest yielding in the East with some equivalence to hybrid and conventional six-rows yields
- A natural progression from KWS Orwell and complementary to the latest variety KWS Tardis
- Yields particularly well on heavy soils
- Medium tall with excellent standing ability with PGR and minimal brackling scores
- Robust disease package, with improved mildew and net blotch over KWS Orwell

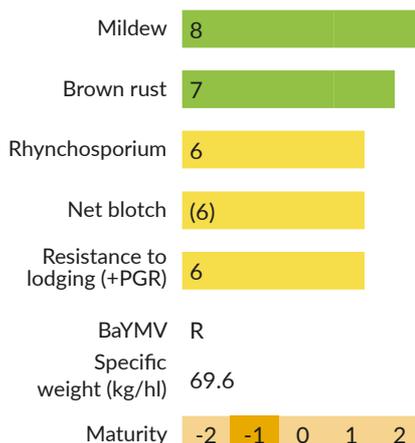


| REGION | YIELD |
|-----------------|-------|
| UK | 103 |
| EAST | 105 |
| WEST | 103 |
| NORTH | 101 |
| Untreated yield | 81 |
| Light soils | 101 |
| Heavy soils | 107 |

SY THUNDERBOLT - 6 ROW

Hybrid

- Newly added to RL 2021/22 as joint highest yielding feed variety UK, West and North
- Matches highest two-row feed yield in East
- Trials suggest the highest yield on RL for heavy soils
- A relatively tall-strawed hybrid requiring good PGR management
- Best mildew, good brown rust, above average rhynchosporium and net blotch resistance. Early maturity

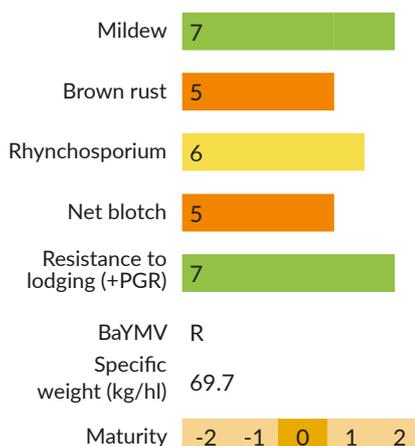


| REGION | YIELD |
|-----------------|-------|
| UK | 107 |
| EAST | 107 |
| WEST | (107) |
| NORTH | 107 |
| Untreated yield | 88 |
| Light soils | 103 |
| Heavy soils | (111) |

SY KINGSBARN - 6 ROW

Hybrid

- SY Kingsbarn is joint highest yielding feed variety in UK, West and North
- Matches highest two-row feed yield in East. Tall-strawed yet good lodging resistance and responds well to PGR
- Very consistent treated yields - highest yielding of any barley 2020 RL
- Reliable performance on light land



| REGION | YIELD |
|-----------------|-------|
| UK | 107 |
| EAST | 107 |
| WEST | 107 |
| NORTH | 107 |
| Untreated yield | 85 |
| Light soils | 105 |
| Heavy soils | 108 |



OSR varieties

Risk-sharing offer 2021



OSR VARIETIES

In 2020 oilseed rape customers welcomed our initiative to minimise the investment risk associated with seed purchase and crop establishment with conventional variety **Codex** and hybrid line **InV1155**.

Uptake was high yet subsequent crop loss was low, reflecting the excellent autumn vigour these two varieties provide. In 2021 growers can once again take comfort in the knowledge that Agrovista will work with them to minimise establishment risk.

The Codex offer is a market-leading risk-share partnership to Agrovista-serviced customers. Should the crop fail to establish in its entirety then the cost of the seed is borne between Agrovista and the breeder and the grower pays nothing. With InV1155, we will split the seed cost 50-50 with the grower should the crop fail to establish in its entirety.

#ForOurGrowers



These two variety offers are only made possible by the excellent establishment capability of Codex and InV1155 – it's not a coincidence that crop failure has been minimal

Stuart Cree
Technical Seeds Specialist



The popularity of establishment risk-sharing schemes is self evident but with Codex Agrovista is the only company to offer growers zero seed cost on areas which fail to establish. Both Codex and InV1155 established exceptionally well in 2020 with very low failure rates, which is testament to the outstanding vigour that both of these varieties demonstrate

Nigel Walley
National Seeds Manager

Risk-sharing offer 2021

Agrovista
exclusive

Codex

Conventional oilseed rape

- Unique autumn establishment risk-share offer. Grower only pays for seed established by 31st October
- Vigorous autumn and spring growth, a key attribute for growers in flea beetle 'hotbed' regions
- Highest rating possible for stem canker via RLM7 gene resistance
- Robust light leaf spot resistance
- Tolerance to verticillium stem stripe



Codex establishment compared to Campus at Thriplow, Cambs in 2020



Campus 06/08/2019
6kg/ha +companion crop
GAI 0.44 27/02/20



Codex 06/08/2019
5kg/ha +companion crop
GAI 0.93 27/02/20

CODEX bred by KWS

- Codex has very vigorous autumn growth capability coupled with good spring vigour
- Codex carries the RLM 7 phoma-resistance gene offering maximum resilience against this pathogen, has shown 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

Regional suitability **E W**Light leaf spot **6**Stem canker **9**Resistance to lodging **8**Maturity **1 2 3 4 4.5**

Conventional

| REGION | GROSS OUTPUT |
|------------------------|--------------|
| E & W | 101 |
| Oil content | 44.9 |
| Plant height | 162 |
| TuYV resistance | - |
| Pod shatter resistance | - |

Risk-sharing offer 2021

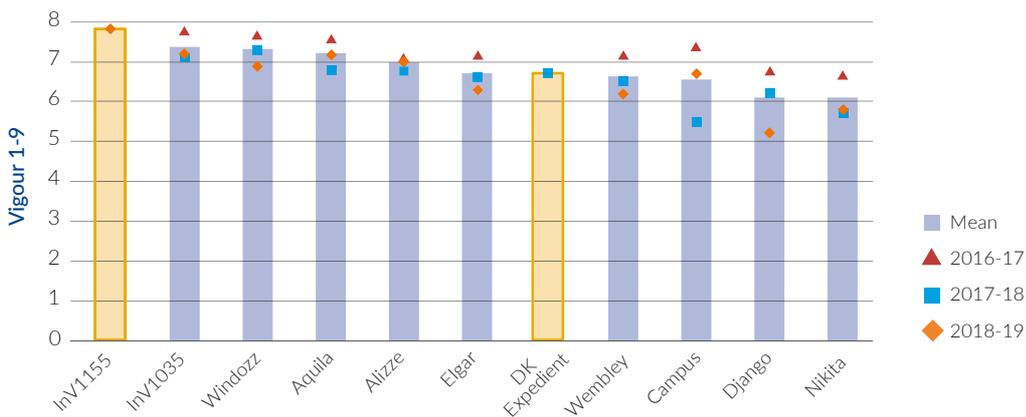
InV1155

Hybrid oilseed rape

Our risk-sharing offer extends to all oilseed growers with an opportunity for those wishing to grow a hybrid line. Like Codex, InV1155 was introduced last season. With this variety, Agrovista will carry the cost of 50% of the total investment should the crop fail to establish by the 31st October.



NIABTAG vigour - 3 year comparison



InV1155 is recognised by the breeder BASF as being the best for establishment, better than many recognised alternatives such as DK Expedition.

InV1155 bred by BASF

Hybrid

- InV1155 restored hybrid offers exceptional autumn vigour
- Independently trialled across five key OSR regions, InV1155's vigour scores have been excellent to date
- InV1155 is tolerant to pre-harvest pod shatter and is early maturing, safeguarding harvest yield. Coupled with a solid disease resistance package and high oil content, InV1155 offers growers the best start and finish to their crop production

Regional suitability **E W N**

Light leaf spot **7**

Stem canker **8**

Resistance to lodging **8**

Maturity **2 3 4 5 6**

| REGION | GROSS OUTPUT |
|------------------------|--------------|
| E & W | 102 |
| National list | 102 |
| Oil content | 45.2 |
| Plant height | 167 |
| TuYV resistance | - |
| Pod shatter resistance | Yes |

Dart

Hybrid winter oilseed rape bred by DSV

- Candidate for AHDB Recommendation 2021 East and West region with very high gross output at 113% of control lines
- Trials indicate that Dart is proving very resilient to CSFB damage at both adult and larval stages
- Dart is a derivative of the variety Incentive 45 and shares that variety's rapid establishment and early spring vigour. Dart also demonstrates strong tolerances to verticillium stem stripe helping to maximise yield and oil content
- First MSL hybrid to offer pod shatter resistance through Harvest Max technology
- Dart is a medium/short variety offering the advantage of a low-biomass harvest similar to semi-dwarf hybrids, but without the slow development and lack of yield associated with that type of line

Agrovista
exclusive



DSV Dart looks to be the shining star in DSV trials which have had high levels of CSFB larvae attack. The trial contains the top UK hybrids and many of the varieties are really struggling from the high pressure. DSV Dart has the best GAL's out of all 23 varieties in the trial and has shown very limited damage from CSFB attack

Sarah Hawthorne

DSV UK Sales and Marketing Manager

- Triple-stacked traits with TuYV, pod shatter and RLM7 stem canker resistance
- Combination of short stem, long pods held in a short compact canopy and pod-flex technology aids drying and evens ripening for easier more efficient harvest – Harvest Max

DART bred by DSV

Hybrid

Regional suitability



Light leaf spot

6

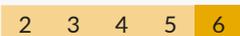
Stem canker

7

Resistance to lodging

9

Maturity



| REGION | GROSS OUTPUT |
|------------------------|--------------|
| E & W | 113 |
| Candidate RL | 2021/22 |
| Oil content | 45.7 |
| Plant height | 140 |
| TuYV resistance | Yes |
| Pod shatter resistance | (Yes) |

FREE

TABOR BERSEEM CLOVER

With all DART hybrid winter oilseed rape seed

- Easy to establish, simply mix with oilseed rape seed
- Very frost susceptible
- Single-cut type ensures no regrowth
- The most tried and tested companion seed on the market

Sowing rate: 2-5 kg/ha **Sowing depth:** 5-10 mm

#ForOurGrowers

Agrovista UK Ltd is committed to improving soil health structure. Tabor berseem clover is an excellent companion to oilseed rape, helping to open up the soil structure to the benefit of the oilseed rape crop.



DART



PT303

Hybrid oilseed rape

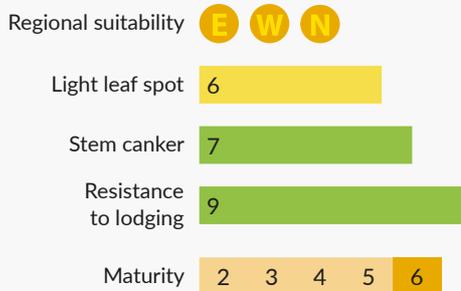


- PT303 is the first sclerotinia-tolerant hybrid available to UK growers
- 116% gross output East and West, 105% gross output North (AHDB Candidate List 2021)
- Highest yielding variety with the TuYV trait
- Very high oil content combined with strong disease score makes PT303 ideal for UK conditions
- Sclerotinia can account for yield losses of up to 50% in high pressure situations. Losses of 1–1.5 tonnes per hectare are not uncommon even where late infections occur

PT303 bred by Corteva Agriscience

Hybrid

- PT303 is unique in being the first OSR variety to claim tolerance to sclerotinia, providing a wider window for sclerotinia fungicide application and potential cost savings
- Highest gross output candidate across all regions. High oil content, TuYV resistance, good disease scores and excellent standing power combine to make PT303 an attractive proposition



| REGION | GROSS OUTPUT |
|------------------------|--------------|
| UK | 111 |
| E & W | 116 |
| NORTH | 105 |
| Candidate | 2020/21 |
| Oil content | 46.2 |
| Plant height | 155 |
| TuYV resistance | Yes |
| Pod shatter resistance | - |



No oilseed rape varieties have previously offered any level of resistance to sclerotinia but with PT303 we now have a variety that has tolerance – a major milestone in our industry

Andy Stainthorpe
Corteva UK and Ireland Seeds Manager



FREE Satellite imagery offer

SKYFLD account access

With all PT303 hybrid winter oilseed rape seed, to enhance uniformity of your crop



Buy 1-2 packs and receive

- Current season + up to 3 years of historic crop health imagery

Buy 3+ packs and receive

- Current season + up to 3 years of historic crop health imagery
- Variable rate nitrogen plans
- Variable rate plant growth regulator plans

Variable rate **N** – Avg 3-5% yield benefit

Variable rate **PGR** – Avg 2-4% yield benefit

To ensure maximum efficiency is achieved in your field Agrovista UK Ltd has industry-leading technologies available.

Satellite imagery offers huge benefits with cost-effective solutions to use precision farming to aid your yield growth.

To show you the benefits by using this technology, we have created a bespoke offer for you.

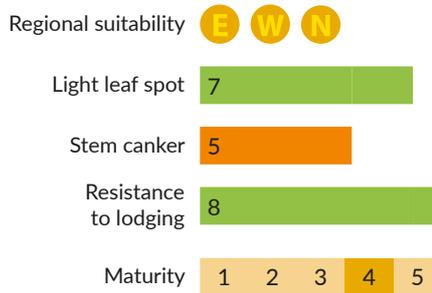


Conventional

ASPIRE bred by Limagrain

Conventional

- Aspire is unique in being the only conventional variety to have TuYV resistance. Aspire is also suitable for East, West and North regions
- Relatively short and very stiff strawed with a class-leading light leaf spot score of 7, Aspire is an easy-to-manage option particularly suited to the northern regions where light leaf spot is more problematic



| REGION | GROSS OUTPUT |
|------------------------|--------------|
| E & W | 104 |
| NORTH | 103 |
| Oil content | 45.7 |
| Plant height | 146 |
| TuYV resistance | Yes |
| Pod shatter resistance | - |

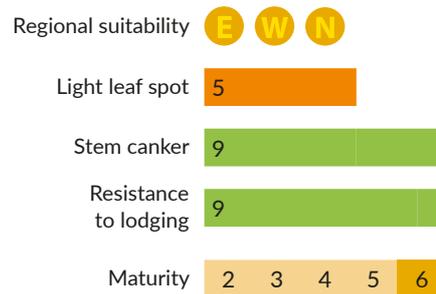
Clearfield

BEATRIX CL bred by DSV

Agrovista exclusive
Taster offer - due to limited supply

Hybrid

- Exceptional gross output for a Clearfield variety. Quad-trait stacked line offering TuYV, pod shatter, RLM7 stem canker resistance and Clearfield technology
- Early to mature and very good lodging resistance, linked with short to medium stem length
- Very good winter hardiness

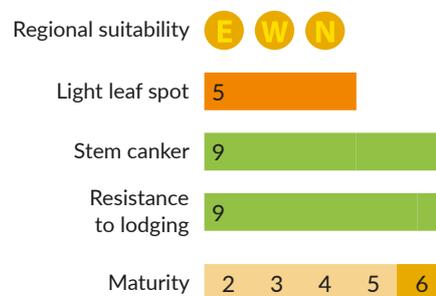


| REGION | GROSS OUTPUT |
|------------------------|--------------|
| UK | 110% |
| National List | 2021 |
| Oil content | 46.1 |
| Plant height | 145 |
| TuYV resistance | Yes |
| Pod shatter resistance | Yes |

MATRIX CL bred by DSV

Hybrid

- New candidate variety from DSV being the first Clearfield variety to feature TuYV resistance. Class-leading yield for a variety featuring the Clearfield trait
- Quad-trait stacked with TuYV, pod shatter, RLM7 stem canker resistance and Clearfield technology
- Early maturity and good lodging resistance. Same breeder as popular Phoenix CL with added traits and improved seed yield
- Growers of Matrix CL will be offered Beatrix CL to try



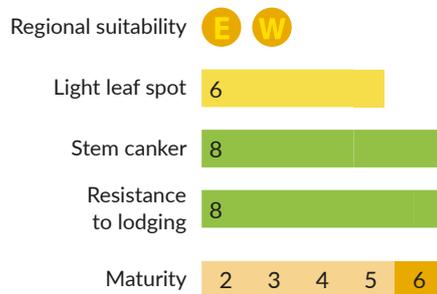
| REGION | GROSS OUTPUT |
|------------------------|--------------|
| UK | 102 |
| E & W | 108 |
| NORTH | 96 |
| Candidate | 2021/22 |
| Oil content | 46.0 |
| Plant height | 148 |
| TuYV resistance | Yes |
| Pod shatter resistance | Yes |

Clubroot tolerant

CROOZER bred by LSPB

Hybrid

- Croozer's gross output matches that of many standard hybrids whilst still having the benefit of resistance to the clubroot pathogen
- Best suited to England and Wales with early flowering and excellent stem canker resistance - significantly better than competitor clubroot-tolerant varieties
- Medium stem length and very good resistance to lodging

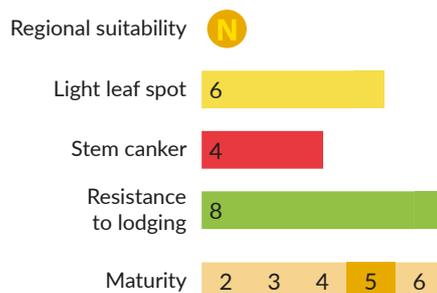


| REGION | GROSS OUTPUT |
|------------------------|--------------|
| E & W | 101 |
| RL | 2021/22 |
| Oil content | 44.8 |
| Plant height | 151 |
| TuYV resistance | - |
| Pod shatter resistance | - |

CROME bred by LSPB

Hybrid

- Like Croozer, Crome has consistently matched conventional hybrid gross output particularly in the North over the last four years, but with the added trait of clubroot disease resistance
- Highest oil content on the AHDB RL of any variety. Early flowering with slightly later maturity than Croozer
- Best suited to more Northern regions. Medium height with good lodging resistance



| REGION | GROSS OUTPUT |
|------------------------|--------------|
| North | 102 |
| RL | 2021/22 |
| Oil content | 46.3 |
| Plant height | 154 |
| TuYV resistance | - |
| Pod shatter resistance | - |





Agrovista UK Limited

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

T: 0115 939 0202

E: enquiries@agrovista.co.uk

Follow us on social media:



@AgrovistaUK

www.agrovista.co.uk

