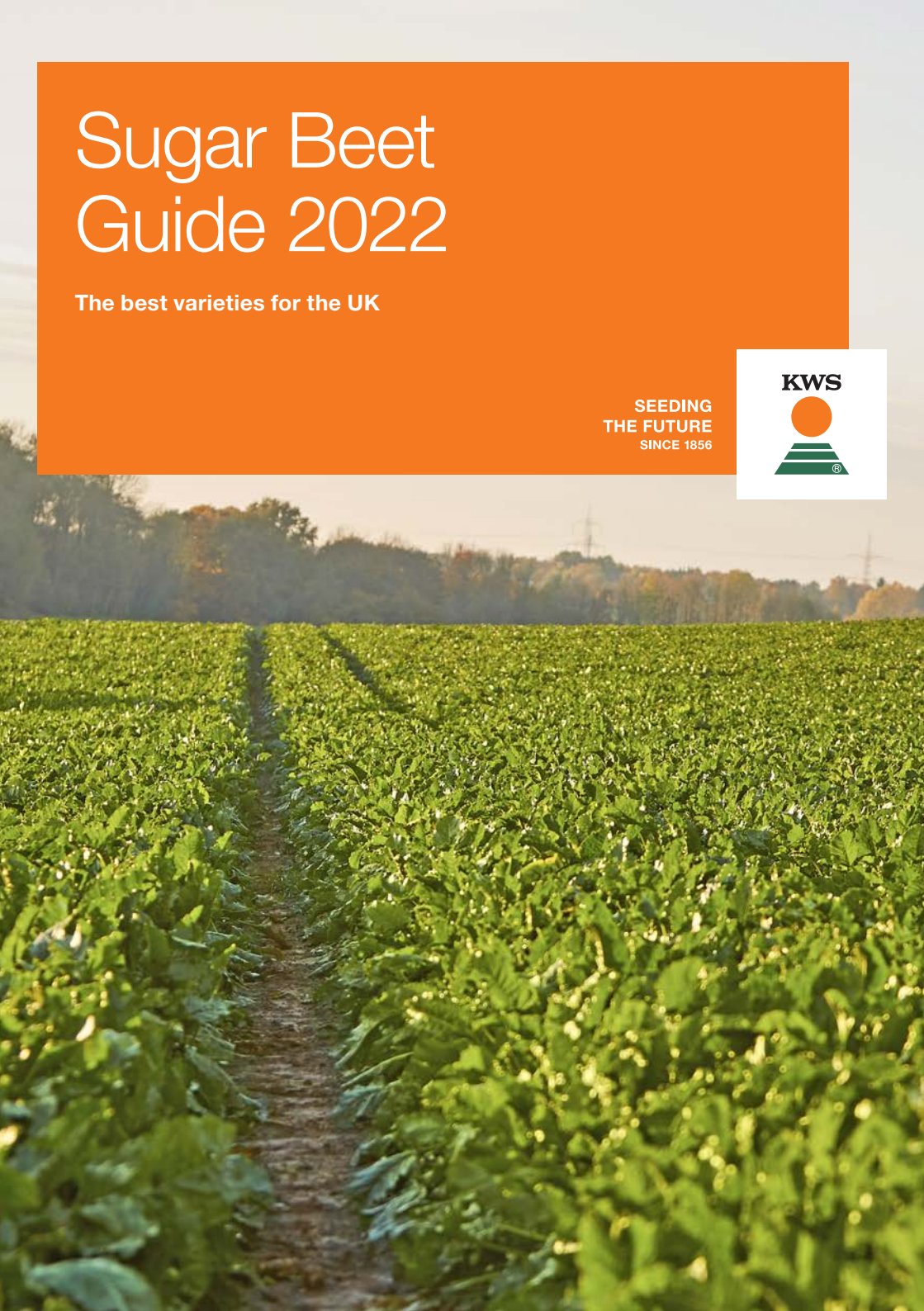
Sugar Beet Guide 2022

The best varieties for the UK

SEEDING
THE FUTURE
SINCE 1856

KWS



Welcome to KWS' Sugar Beet Guide 2022

With the difficulties of the 2020/21 beet crop still fresh in our minds I'm pleased we can look forward with cause for optimism.

Following a colder winter, aphid numbers are predicted to be lower and their first flight later than last season – both of which bring a very welcome reduction in the risk of virus yellows. Looking further ahead to drilling in 2022, plant breeding continues to provide solutions for the new challenges facing farmers.

Yield improvement has arguably been the key target for sugar beet breeding for many years. So much so that varieties such as DAPHNA and KORTESSA KWS have raised the bar high for the control group of the BBRO recommended list.

Increasingly, other characteristics are becoming ever more important to avoid the impacts that the loss of important active ingredients can have on both yield and margin. CONVISO® SMART is a great example of this additional focus for breeding as is MARUSCHA KWS, the first variety with tolerance to some of the yellowing viruses.

While not a silver bullet, this does show the good progress being made to provide choices and solutions to sugar beet growers.

Good luck for a safe and productive crop in 2021 and we hope you find the Sugar Beet Guide 2022 useful and informative.

Ben Bishop
Country Manager Sugar Beet UK

CONVISO® SMART

Content

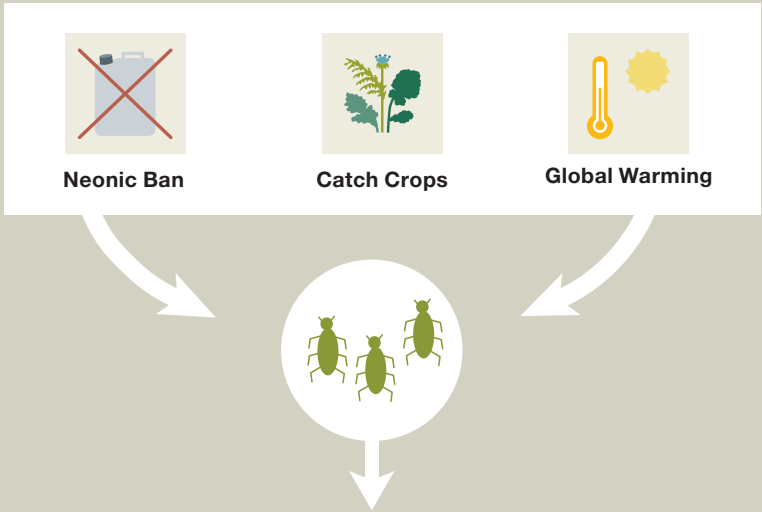
Virus Yellows Protect

The new approach to control yellowing viruses

Virus Yellows PROTECT

Reasons why we have to act

With the loss of neonicotinoid sugar beet seed treatment, combined with a wider use of catch crops and global warming, Virus Yellows (VY) presents a serious threat to sugar beet.

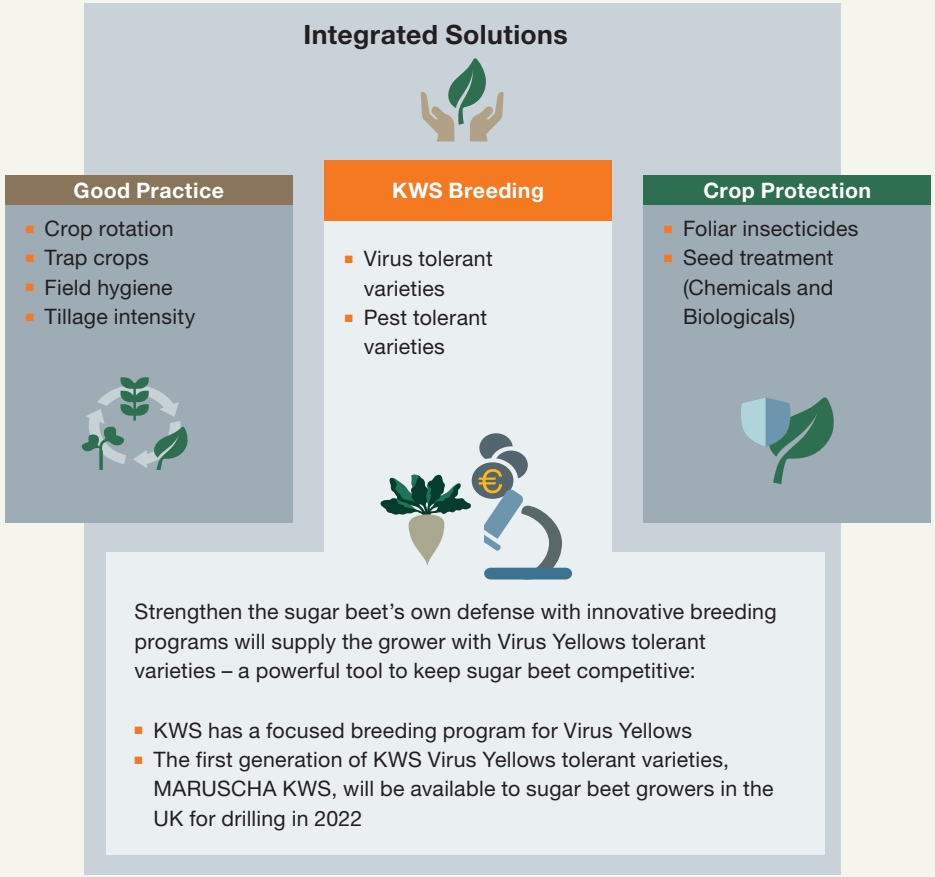


Virus Yellows causes damages in the field:

The earlier and higher the aphid pressure (especially of Peach Potato Aphid) the higher the risk of virus infection in the field. Virus infection in sugar beet leads to reduced sugar yield.

Virus Yellows Protect

Control of Virus Yellows requires an integrated approach including the development of tolerant sugar beet varieties, agronomic measures and crop protection.



MARUSCHA KWS

- Competitive yields
- Strong tolerance to Beet Mild Yellowing Virus (BMYV)
- Visibly greener canopy

Virus Yellows PROTECT

The new approach to controlling Virus Yellows

MARUSCHA KWS has shown excellent tolerance to BMYV in UK trials over the last three years and can offer growers a new tool as part of an integrated approach to managing Virus Yellows. In addition, MARUSCHA KWS also shows a competitive response to Beet Yellowing Virus (BYV).

- Under BMYV infection MARUSCHA KWS shows losses of 4% but still yields over 15t/ha more than the mean of KWS control varieties
- Under BYV infection MARUSCHA KWS can show losses of 37% in yield, however it still yields 10t/ha more than the mean of KWS UK control varieties
- Lower symptom expression - a greener canopy

For best results, MARUSCHA KWS should be drilled from mid-March onwards.

MARUSCHA KWS symptom expression in UK trials

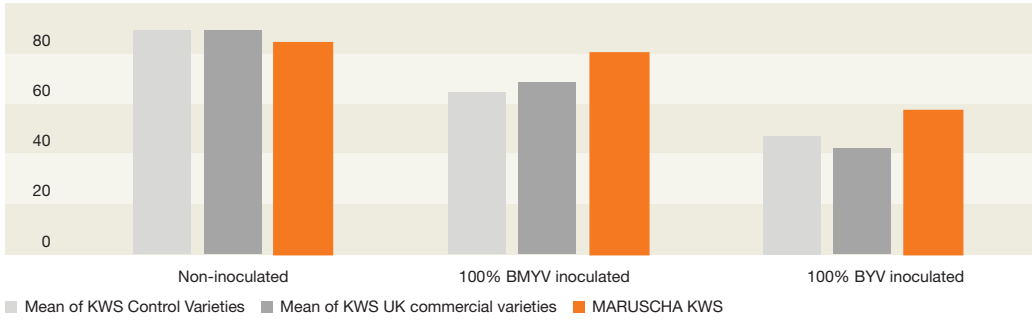
(1-9 rating used for symptom expression: 1 = low symptoms, 9 = high symptoms)

	BMYV 3 year mean	BYV 2 year mean
MARUSCHA KWS	3.7	4.4
Mean of KWS controls	6.2	5.7
Mean of KWS UK commercial varieties	5.8	5.3

Source: KWS UK replicated VY plot trials from 2018-2020: 100% inoculated trials

MARUSCHA KWS yield performance in UK trials (adjusted tonnes per hectare)

Note: BMYV results are 3 year mean from 2018-20 and BYV is 2019 only so should be treated with reserve



Source: KWS UK replicated VY plot trials from 2018-2020: 100% inoculated trials

my KWS

myKWS: Service for your seeds

High-quality seeds are the foundation of successful farming. However, to really unleash the full potential of your seeds, area-specific crop management, and holistic decision-making are just as important.

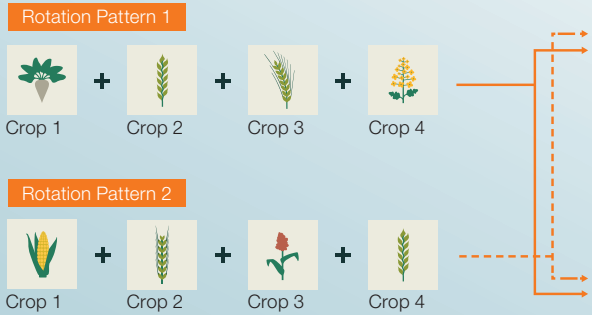
With myKWS, we now can expand our services. The combination of high-quality seeds + regional advice + digital service enables us to provide a firm foundation for important decisions and future paths to successful farming.

More than 50,000 farmers are using myKWS already.

Join in and take advantage of these new opportunities at: **www.kws-uk.com/mykws** or scan the QR code to create your account now!

Optimise your crop rotation!

The myKWS Crop Manager tool makes it possible to experiment digitally with different crop rotations. The economic and agronomic evaluations support you in planning suitable crop rotations for your fields.



Future planning

New crop integration

Crisis situation

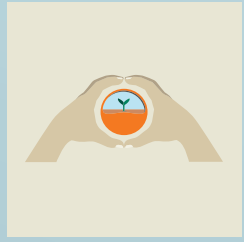
1. Helpful when making relevant decisions in a variety of situations

2. Easy and direct comparison of crop rotations

3. Agronomic evaluation of crops and rotation patterns to minimise risks

BEETSEED*SERVICE*

Your partner if you need to re-sow



The Beet Seed Service is available to all growers of KWS varieties with EPD 2.0 treated seed.
The decision of re-sowing sugar beet is a last resort, not a decision to be taken lightly. A wide range of issues can cause an uneconomic plant stand within the establishing crop such as frost, windblow and pest damage.

To complement our offer of EPD 2.0 treated seed for UK growers, we are offering KWS Beet Seed Service to provide a peace of mind if re-sowing is necessary.

The Principle of the Beet Seed Service
Should you need to re-sow your beet crop we will offer the replacement seed at 50 % of the initial sale price of the seed.

For example, if you were to spend **£180** per unit on KWS EPD 2.0 treated seed and needed to re-sow, the seed cost for re-sowing would be **£90** per unit, with payment deferred to 1st October in the year of drilling.

my KWS

The steps for using the Beet Seed Service

1. Ensure you have EPD 2.0 treated seed.
2. Register for **myKWS** online.
3. Enter the field details in the Beet Seed Service portal.
4. Only if necessary, you can register a claim for poor establishment, and we will discuss your options.
5. If re-sowing is required KWS shall supply new seed directly and invoice at 50 % of your initial invoice price.

To register for Beet Seed Service scan the QR Code or visit MyKWS at:
www.kws.com/gb/en/mykws

CONVISO® SMART

The best choice in a changing world of weed control

POWER at work

In a changing world of sugar beet weed control with less products, CONVISO® SMART brings back efficient management to your sugar beet.

Enlarge your options with CONVISO® SMART! SMART KWS seeds open up new possibilities in protecting your beet and your profitability. Together with the dedicated herbicide CONVISO® ONE, they form CONVISO® SMART – the new standard in weed control.

CONVISO® SMART – The new standard in sugar beet weed control:

SMART KWS seeds

+

CONVISO® ONE

> It's the best crop of sugar beet we have grown in many years, if not ever.

Alistair Bowring
Assarts Farm, Warsop, Nottinghamshire

While the others get weak, CONVISO® SMART stays strong

The country-specific portfolio of SMART KWS varieties provides:

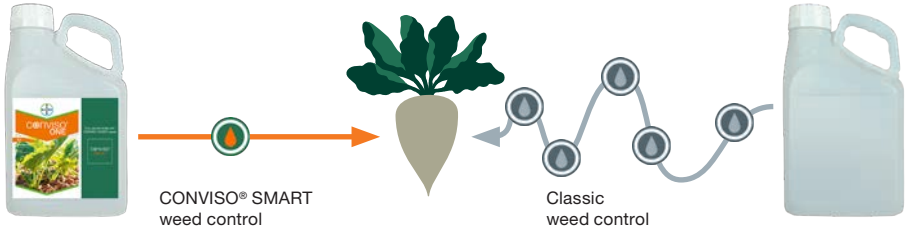
Reliability
High efficacy weed control in combination with best crop safety

Simplicity
Broadest weed control spectrum with a single application of the Bayer herbicide CONVISO® ONE

Best Crop Safety
More independence from the size of sugar beet and weather conditions – just focus your weed control on the key weeds! Profit from vigorous growth and protect your full yield potential.

Your direct way to success

CONVISO® ONE – friendly to the sugar beet and to the environment*!



Foramsulfuron and Thiencarbazone-methyl

Reliability	✓	✗	More uncertainty
Simplicity	✓	✗	More applications
Best crop safety	✓	✗	More weather dependence

Many different:
- Products
- Mixtures
- Dosages
- Strategies

* EIQ index by Cornell University – online assessment tool for calculation of the Environmental Impact Quotient of Plant Protection Products, https://nysipm.cornell.edu/eiq/calculator-field-use-eiq/

POWER at work

CONVISO® SMART – The yield uplift

Tough to your weeds, soft to your beet

The unique trait of CONVISO® SMART varieties means that they offer excellent crop safety from the CONVISO® ONE herbicide compared to that of classical herbicides with conventional varieties.

With the current protocols used in the production of the BBRO Recommended List, CONVISO® SMART varieties do not show their full potential as they are treated with classical herbicides only, rather than CONVISO® ONE. In the graph opposite the middle bar shows a similar effect to what the BBRO Recommended List shows and the third bar highlights the benefit of fully utilising the CONVISO® SMART system.

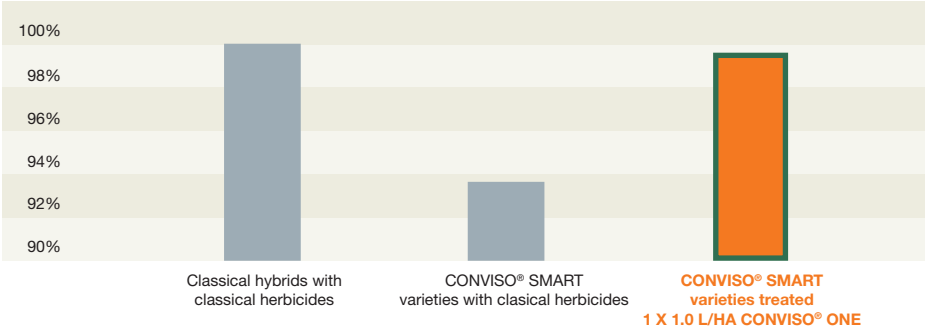
After 3 years of trials looking at the yield benefit when using CONVISO® SMART we have seen an average yield uplift of 6% compared to using classical herbicides! With a 75t/ha crop this would be an extra 4.5t/ha. Because of this proven yield uplift you can easily add 5% more yield on to the published Recommended List yield for CONVISO® SMART varieties.

Excellent crop safety of CONVISO® ONE on the left-hand side of the image. The right hand side shows the effects of using classical herbicides. Taken on 26th May in the 2020 season at Assarts Farm, Nottinghamshire.

> Our standard sugar beet averaged a rather disappointing 63 adjusted t/ha which is significantly below the five-year average, but typical for the year based on what others in the Bury factory area achieved. The crop of SMART JANNINKA KWS managed an impressive 72 adjusted t/ha.

Steven Brummitt
Manager at George E Gittus & Sons, near Bury St Edmunds, Suffolk

The yield benefit of using the CONVISO® SMART system rather than classic herbicides



Source: CONVISO® SMART System trials, 2018,2019,2020; KWS (plots harvested and analysed by BBRO)

> Both the contact and residual performance of CONVISO® ONE herbicide is excellent. Fields are clean, even in a year where conditions have made effective control difficult or protracted to achieve. We will certainly be using the CONVISO® SMART system again for its practical and management benefits.

John Barrett
Director at Sentry Ltd

SMART JANNINKA KWS

- Herbicide tolerant
- Proven performance in the UK in 2020
- For use as part of the CONVISO® SMART weed control system for sugar beet

CONVISO® SMART

SMART RIXTA KWS

- Highest yielding herbicide tolerant variety
- Best drilled from mid-March onwards
- For use as part of the CONVISO® SMART weed control system for sugar beet

CONVISO® SMART

POWER at work

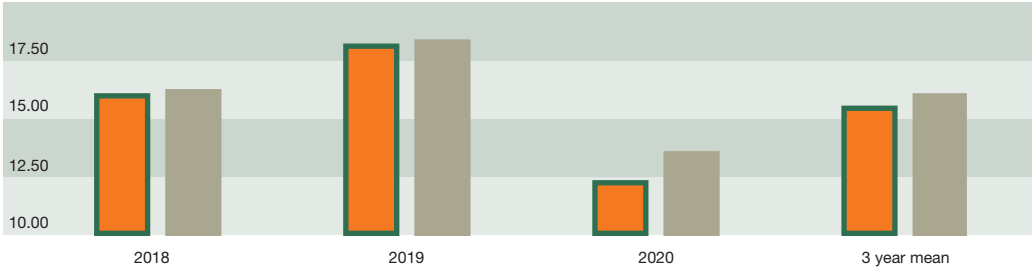
The original game changer

Bred specifically to be used in the CONVISO® SMART weed control system for sugar beet, SMART JANNINKA KWS is the first herbicide tolerant variety to enter the BBRO Recommended List to provide the next step in weed control.

Offering its best performance when drilled from mid-March onwards and using the dedicated CONVISO® ONE herbicide, SMART JANNINKA KWS is a proven choice for more convenient, more effective weed control in sugar beet.

SMART JANNINKA KWS – for the CONVISO® SMART weed control system

Sugar yield (tonnes per hectare)



SMART JANNINKA KWS with CONVISO® ONE herbicide ■ Classical hybrids with classic herbicides

Source: CONVISO® SMART System Trials, 2018 -2020; KWS (plots harvested and analysed by BBRO)

POWER at work

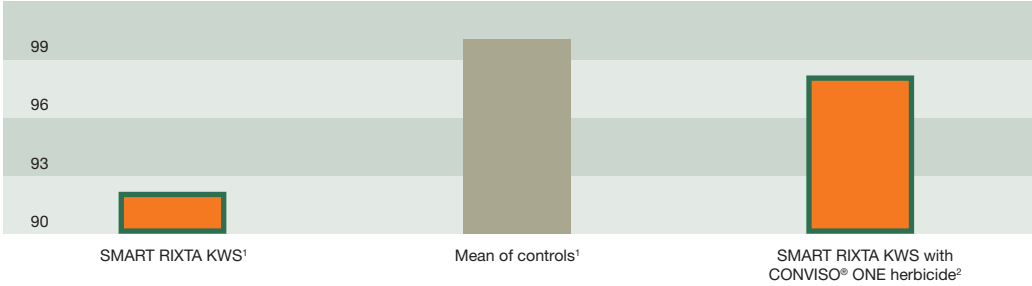
Improved yield with CONVISO® SMART technology

The latest herbicide tolerant variety added to the Recommended List, SMART RIXTA KWS offers a useful increase in yield for the CONVISO® SMART technology. When used with CONVISO® ONE herbicide, SMART RIXTA will deliver yields close to controls.

With a low early bolting scores in the normal sown window, growers can choose SMART RIXTA KWS with confidence. It is recommended to drill CONVISO® SMART varieties from mid March onwards to limit vernalisation.

SMART RIXTA KWS - for the CONVISO® SMART weed control system

Adjusted tonnes (% of controls)



SMART JANNINKA KWS with CONVISO® ONE herbicide ■ Classical hybrids with classic herbicides

Source: [1] BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020) using classical herbicides; [2] includes 5.95% yield benefit using CONVISO® ONE measured in CONVISO® SMART System Trials, 2018 -2020; KWS (plots harvested and analysed by BBRO)

Sugar beet varieties for drilling in 2022
Adapted from BBRO recommended list of Sugar Beet varieties 2022

Rz1 rhizomania varieties		DAPHNA	BTS1140	KORTESSA KWS	BTS1915	NEW KATJANA KWS		BTS3020	WREN	BTS5770	EVALOTTA KWS	ADVENA KWS	SANCHA KWS	BTS4100	Lacewing	PHILINA KWS	NEW MARUSCHA KWS	NEW SMART RIXTA KWS	SMART JANNINKA KWS
Status: (C) = control variety [1]		R (C)	R (C)	R (C)	PR2	PR1		PR1	PR1	PR1	PR2	PR3	PR1	PR2	PR2	S (C)	PS1	PS1	PS1
AYPR/BCN as claimed by the Breeder		BCN	–	-	–	BCN		–	–	–	–	–	–	–	BCN	AYPR	Virus [6]	ALS	ALS
CROP YIELDS	**MEAN**																		
Adjusted tonnes % of C=100 % [2]	105.8 t/ha	101.0	100.0	99.9	107.3	102.7		102.2	101.7	101.5	101.4	99.8	99.1	99.0	98.7	99.2	93.5	92.2	88.6
Sugar yield % of C=100 % [2]	16.9 t/ha	101.0	100.0	99.9	107.3	102.7		102.2	101.7	101.5	101.4	99.8	99.1	99.0	98.7	99.2	93.5	92.2	88.6
Root yield % of C=100 % [2]	99.5 t/ha	101.3	99.6	99.7	107.1	101.6		100.2	104.5	98.2	100.3	98.1	97.2	95.4	97.0	99.4	91.6	91.3	87.9
Sugar content %	17.1 %	17.0	17.2	17.1	17.1	17.2		17.4	16.6	17.6	17.2	17.3	17.4	17.7	17.3	17.1	17.4	17.2	17.2
BOLTERS per 100,000 plants/ha	**MEAN**																		
"X" Unsuitable for sowing BEFORE Mid March for new (2022) list		–	-	–	X	-		-	-	-	X	–	–	–	–	X	X	X	–
Early sowing, before 5 March [3]	1,911/ha	2,119	2,882	1,723	6,674	1,630		675	2,532	968	3,111	2,083	1,259	1,438	2,963	4,445	7,204	3,335	2,855
Normal sowing	30/ha	0	74	9	16	0		14	23	0	23	12	0	0	26	40	0	14	21
PRE-GAPPING ESTABLISHMENT [4]																			
Control	100 %	98.0	98.6	100.3	103.5	99.7		101.1	102.2	101.9	101.6	99.4	98.8	97.7	102.0	103.2	96.7	101.9	97.9
DISEASE 1 = high; 9 = very low (leaf infection) [5]																			
Rust	5.3	5.3	5.4	7.7	6.7	(3.9)		(7.5)	(6.2)	(8.1)	2.2	3.0	4.3	5.1	4.2	2.9	(6.0)	(4.2)	4.0
Powdery mildew	5.0	5.4	4.6	5.7	4.7	5.3		4.6	4.9	5.2	4.4	3.8	4.3	2.6	4.0	4.5	3.0	4.6	3.0

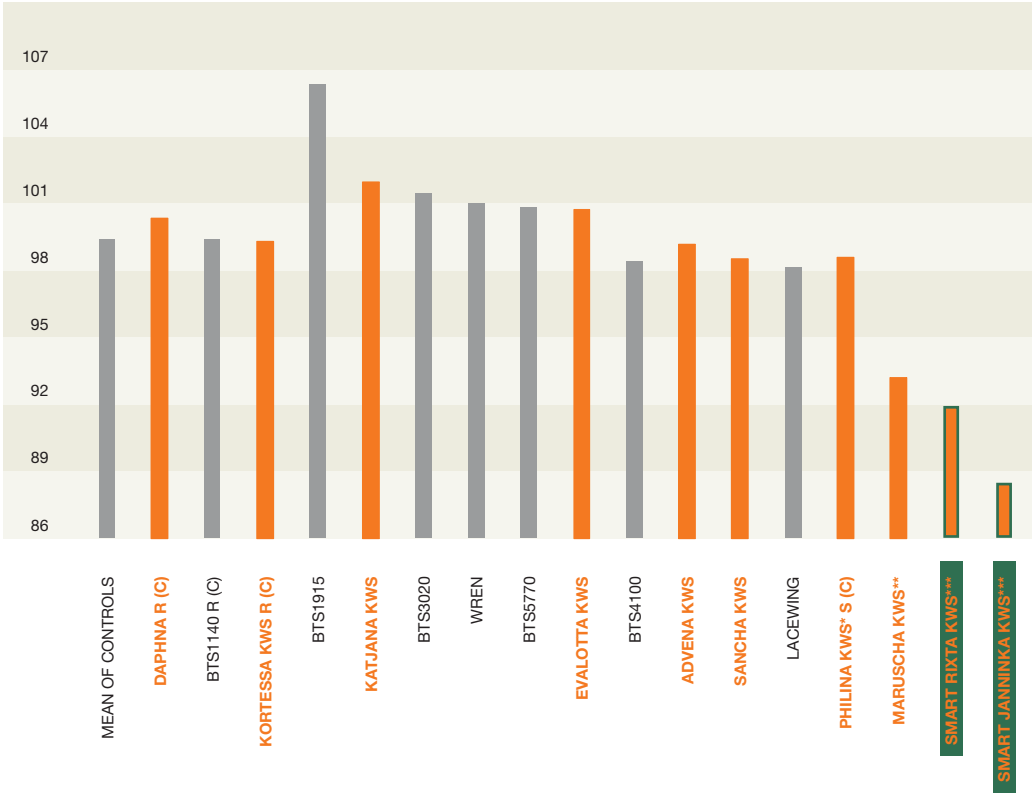
[1] Newly listed varieties (PR1/PS1) have results from three years using approximately 2 kgs breeders' seed.
[2] Yields based on an average plant population of 99,200 plants/ha in these trials. Differences in adjusted tonnes of less than 2.8% should be treated with reserve.
[3] The ratings from normal sowings are applicable for sowing after mid-March in most seasons.
[4] Differences in establishment of less than 3.4% should be treated with reserve. 2020 trials grown to a stand.
[5] Rust observations also taken from inoculated trials in 2018 & 2019 that were not taken to yield.
[6] Breeders claims are for tolerance to some of the yellowing viruses.

Brackets indicate figure derived from fewer than 3 years of data

Source: Taken from BBRO recommended list of Sugar Beet varieties 2022 (based on trials from 2018 – 2020)
Full data set can be found at **www.bbro.co.uk**

Don’t miss out on yield progress!

Adjusted tonnes % of the control varieties of the BBRO RL 2022

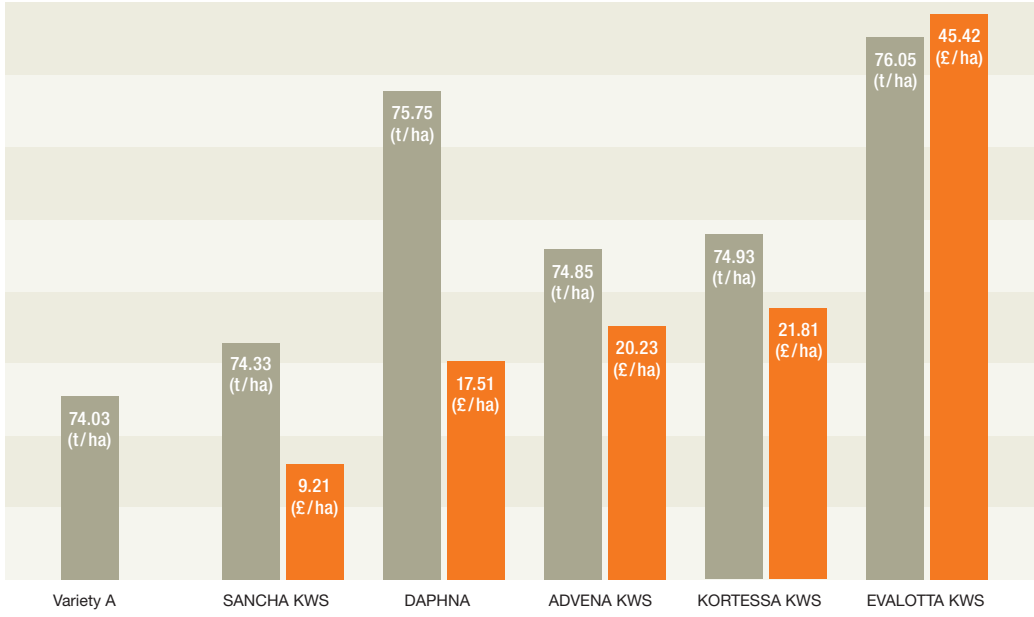


*AYPR resistant variety
**Virus variety
***CONVISO® SMART variety

Source: BBRO recommended list of Sugar Beet varieties 2022

Margin over seed cost

What’s the additional yield worth to you?



Seed cost variety A:	£212.36 (£176.97 per unit x 1.2 units/ha)
Seed cost SANCHA KWS, ADVENA KWS, KORTESSA KWS and EVALOTTA KWS:	£209.45 (£174.54 per unit x 1.2 units/ha)
Seed cost DAPHNA:	£231.06 (£192.55 per unit x 1.2 units/ha)
Assumed beet price:	£20.99 per tonne

75 t/ha was used as the base yield. Varieties that yield more than 100% of controls do yield more than 75 t/ha in this example

Source: KWS calculations April 2021

Beet Cyst Nematode – Identify, Act and Protect Yields

www.kws-uk.com

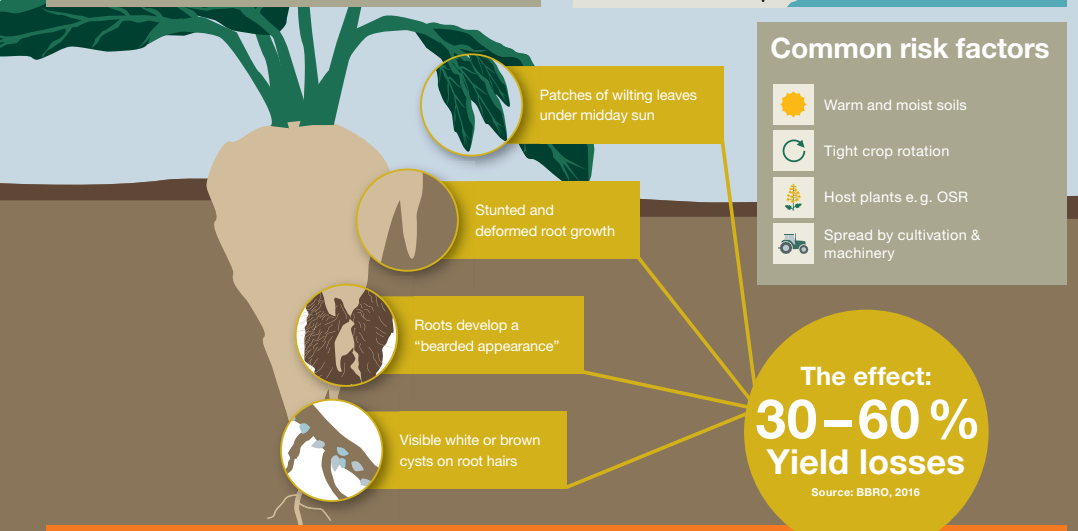
SEEDING THE FUTURE
SINCE 1856

KWS

What are Beet Cyst Nematodes (BCN)?
1 mm long eelworms that invade and feed from the root cells. Each cyst holds up to **200 eggs** and larvae.

The first 10 % of yield losses mostly shows no visible symptoms.

Beet Cyst Nematode in the UK
■ positive BCN soil samples



Common risk factors

- Warm and moist soils
- Tight crop rotation
- Host plants e. g. OSR
- Spread by cultivation & machinery

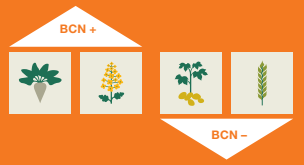
The effect:
30–60 % Yield losses
Source: BBRO, 2016

What to do against nematodes?

1. Observation + Soil sampling

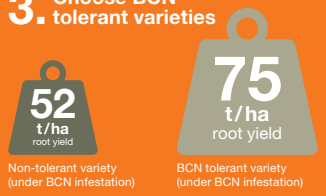
Regularly check soil and crop for BCN infestation. Annual soil sampling will indicate population levels.

2. Crop rotation



BCN infestation decreases by approx. –40 % per year in non-host plants. A wide crop rotation helps to reduce infestation.

3. Choose BCN tolerant varieties



Non-tolerant variety (under BCN infestation)

BCN tolerant variety (under BCN infestation)

There are now no yield penalties for BCN tolerant varieties. Drill BCN tolerant varieties alongside non-tolerant varieties in suspected fields. Monitor for any differences during the season.

> Since KWS made us aware of the issue of BCN on our land we have only grown tolerant varieties to help overcome the problem. DAPHNA and CANTONA KWS have performed very well for us over the past few seasons, giving us a yield of 68.3 adjusted t/ha across all fields in the challenging 2020/21 campaign.

Kevin Hayhoe
Place Farm, Ingham, Suffolk

The tolerant variety DAPHNA on right alongside a susceptible variety on the left. Note the stunted root and heavy root bearding of the susceptible variety. Source: KWS UK strip trials 2019

Place Farm have kindly hosted our observational strip trials for over 12 years. The trial is primarily focussed on the yield performance of currently available BCN tolerant varieties and varieties coming through our development pipeline.

From our 2020/21 trial the BCN varieties yielded very well compared to the non-tolerant varieties. The average yield of the BCN tolerant varieties was 83.6 adjusted t/ha and the susceptible varieties yielded 71.5 adjusted t/ha. Our new BCN tolerant variety KATJANA KWS was yielding up to 25.8% ahead of the highest non tolerant varieties in some strips of the trial.

The photo shows a BCN nest and highlights a smaller canopy with significant wilting on a warm day but where the rest of the crops is standing upright and also not wilting. This also shows that you have to walk fields of beet to find potential patches as when you look across a flat field patches like this are not visible.

> It is great to see first-hand yield improvements of the new varieties coming through like KATJANA KWS which have outperformed an older non tolerant variety like SABATINA KWS by a substantial margin.

Kevin Hayhoe
Place Farm, Ingham, Suffolk

DAPHNA

- 2nd highest yielding BCN tolerant variety
- Low bolting
- Good leaf disease scores

Nematode
PROTECT

KATJANA KWS

- 2nd highest yielding variety for 2022
- BCN tolerance
- Low bolting

Nematode
PROTECT

BCN tolerance through a long growing season

DAPHNA has proven for years that there is no need to compromise on yield to protect against BCN and another strong showing on the 2022 RL enhances this pedigree.

With low bolters in both the early and normal sowing windows and good disease resistance DAPHNA is a great choice for a long growing season and well suited to all farm situations and locations.

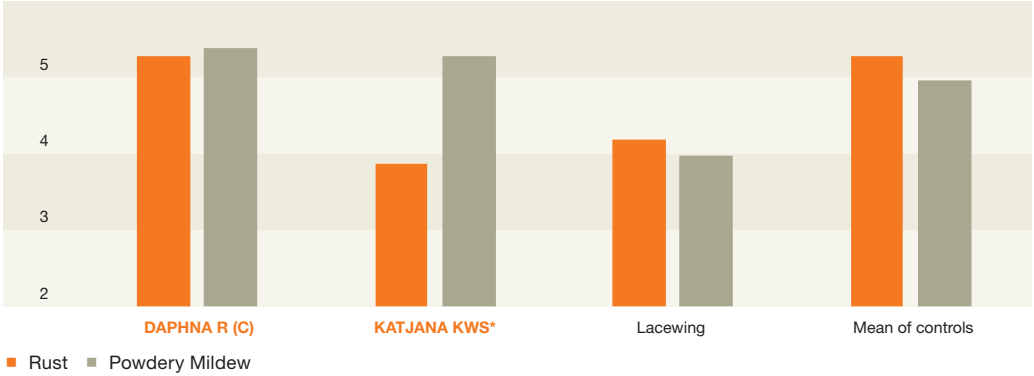
The next step for high yields and BCN tolerance

KATJANA KWS is the latest BCN tolerant variety from KWS - one which offers increased yield performance on farm.

With very low bolters in the normal sown window and suitable for drilling before mid-March KATJANA KWS will appeal to all growers looking to maximise yields - particularly where BCN is a problem.

DAPHNA offers a healthy canopy in the BCN segment

BBRO disease scoring (1 = high leaf infection, 9 = very low leaf infection)

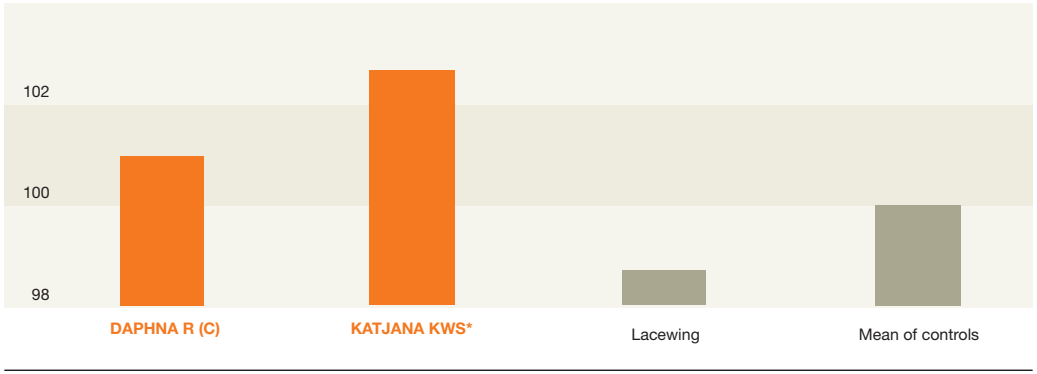


* KATJANA KWS rust score is derived from less than three years of data

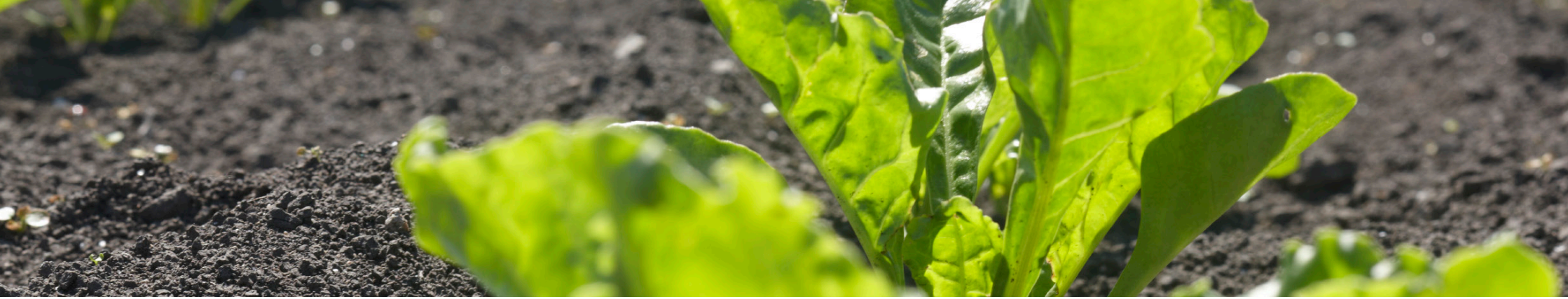
Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)

KATJANA KWS leads the way in the BCN segment

Adjusted yield (% of control varieties)



Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)



With EPD 2.0 you get your beet off to a sweet start

Your crop. Your choice. Our technology

EPD Seed treatment is the result of years of development by KWS. In contrast to simple pre-treatment of seeds, EPD 2.0 is a complete system approach. This utilises our KWS specific seed preparation methods and unique seed coating components. EPD 2.0 has been prioritised for UK beet growers, it has come from a rigorously tested pipeline of variants. EPD 2.0 was independently tested from 2016 through to 2018 and showed a yield uplift of 1.5t/ha compared to that of the original 'Early Plant Development'. EPD 2.0 is our second-generation seed technology and was launched in the UK in preference to EPD in 2020. EPD 2.0 provides a homogenous emergence of seed as well as improved early plant vigour, the essential foundation to a high yielding crop.

The benefits of choosing EPD 2.0 for your sugar beet crop:

- Fast and even germination
- Fast and even emergence
- Early and rapid plant development for early plant vigour

> KWS EPD 2.0 seed gives us very even emergence with our sugar beet. Doubles and misses are few and far between - which has to be down to the consistent size and shape of the seed.

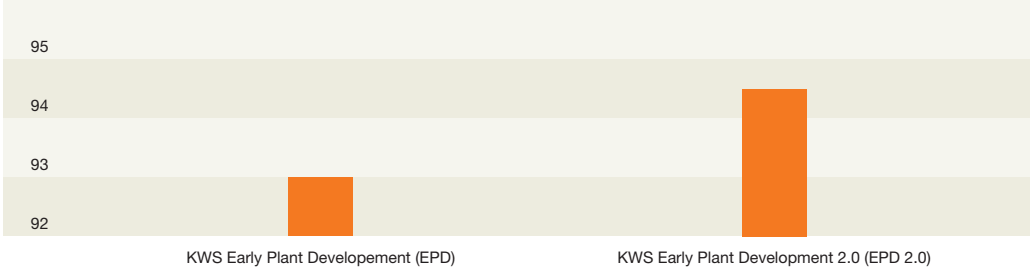
Richard Cobbald
Bartlow Estate, Cambrige

The KWS seed technology

The KWS seed lot specific processing and pelleting allows the highest level of quality control. Germination and emergence testing is completed under optimal stress conditions at all stages to deliver you the best product. Every year we complete more than 50,000 quality control tests in our ISTA accredited laboratory on our sugar beet seed.

Comparative performance of KWS EPD and EPD 2.0 processed seed

Adjusted yield (t/ha)



Source: KWS UK Seed Technology Trials 2016 – 2018 (conducted by BBRO)

KORTESSA KWS

- Popular choice and proven performance on farm
- Good adjusted yield
- Excellent leaf disease package

EVALOTTA KWS

- High yielding rhizomania variety from KWS
- Good establishment score
- Drill from mid-March

Proven yield and leaf disease resistance

Successfully promoted to the control group of varieties and with an incredibly clean canopy, KORTESSA KWS will remain popular for 2022.

Low early sown bolters combined with an excellent rust score of 7.7 make KORTESSA KWS the proven choice to utilise the longest growing period. Add very low leaf infection from Cercospora in 2019 and 2020 RL trials to the package and KORTESSA KWS really is a great option.

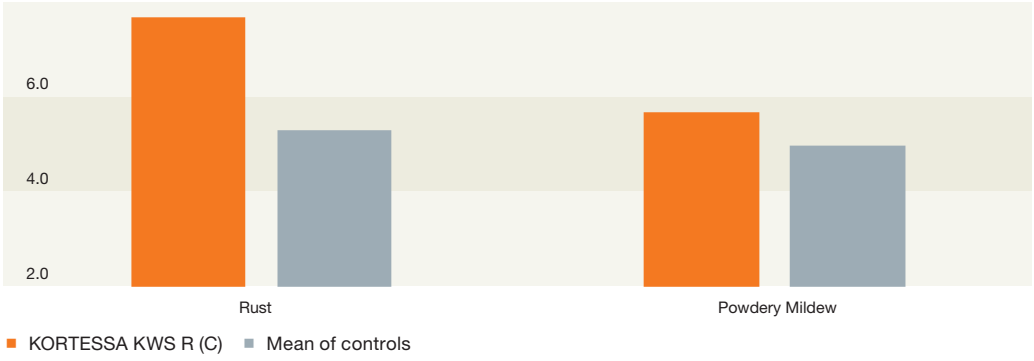
Pushing yield

Now in its second year in the UK, EVALOTTA KWS shows yields in excess of the control varieties.

Offering its best performance when drilled from mid March, EVALOTTA KWS is a sound choice for growers looking to spread their drilling activities while maximising yield from their beet crop.

A healthy canopy with KORTESSA KWS

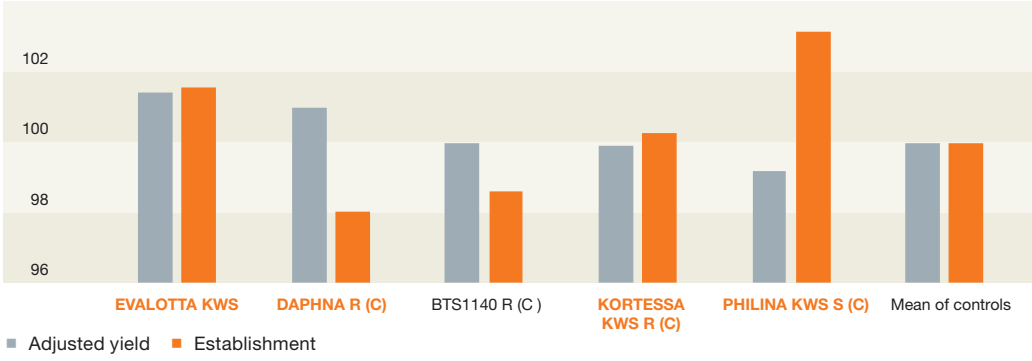
BBRO disease scoring (1 = high leaf infection, 9 = very low leaf infection)



Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)

Good establishment leading to good yields with EVALOTTA KWS

Adjusted yield (% of control varieties) and pre-gapping establishment (% of control varieties)



Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)

ADVENA KWS

- Low bolting
- Good sugar content
- Suitable for early sowing

SANCHA KWS

- Low bolting for normal and early sowing
- Solid disease scores
- High sugar content

Good yields and bolting performance

With low early sown bolters meaning growers can drill in confidence before mid-March, ADVENA KWS will be a popular choice for a long growing season while a higher than average sugar content of 17.3 % will favour growers needing to move their beet further to the sugar factory.

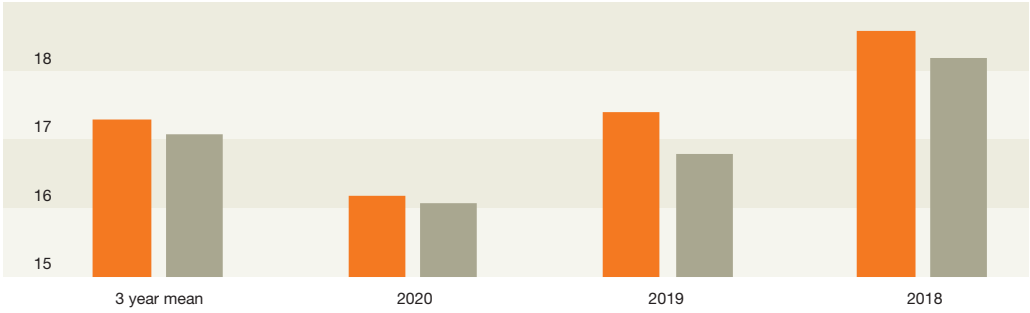
Drill early with confidence

SANCHA KWS continues to show outstanding bolting performance.

SANCHA KWS has one of the lowest early sown bolting scores on the RL and will be popular with growers who like to drill their beet early in the season. Coupled with a solid disease resistance package and sugar content SANCHA KWS a good choice for 2022.

ADVENA KWS - low bolting with good sugar content

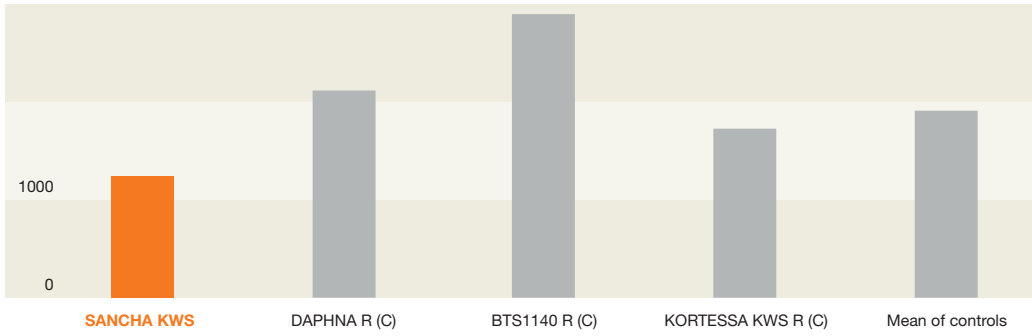
Sugar content %



Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)

SANCHA KWS – Ultra low early sown bolters

Early Sown Bolters per hectare



Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)

PHILINA KWS

- Rz2.0 provides the best protection against rhizomania
- Specifically recommended for use against AYPR strains
- Promoted to control group of varieties for 2022

Rizomania
PROTECT 2.0

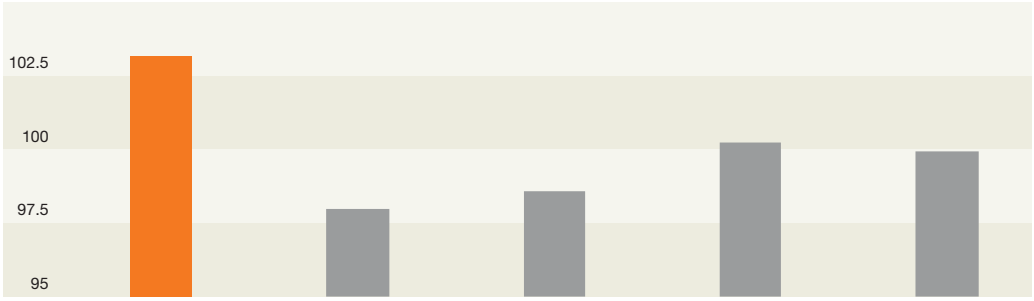
The best choice for AYPR situations

Containing the Rz2 gene in addition to the standard Rz1 all other varieties in the recommended list have, PHILINA KWS has double rhizomania protection and provides growers the only tool to beat the problem.

It is the variety to choose is aggressive rhizomania is affecting your business performance.

Good establishment and AYPR resistance with PHILINA KWS

Pre-gapping establishment (% of control varieties)



Source: BBRO recommended list of Sugar Beet varieties 2022 (Based on trials from 2018 - 2020)

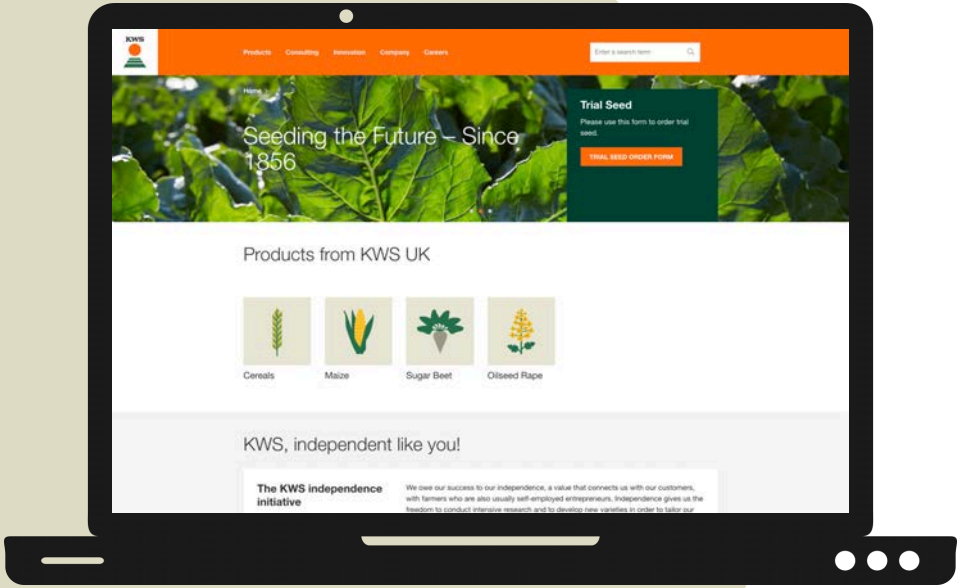
Notes

Notes

Want more information?

Visit our website for any additional information you may require on any of our varieties or crops.

The site is easy to navigate, mobile friendly, nice to look at AND jam packed with content!



www.kws-uk.com

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