

RECOMMENDED LIST



Wheat pocketbook 2019/20



Produced in
partnership with:





The AHDB Recommended Lists for cereals and oilseeds (RL) provides information on yield and quality performance, agronomic features and market options to assist with variety selection.

Available for wheat, barley and oats, and winter oilseed rape, the pocketbooks provide summary information* on Recommended and Candidate varieties. With a variety per page, the format is particularly helpful for use at variety open events.

*Information is extracted from the AHDB Recommended Lists for cereals and oilseeds 2019/20.

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Key	
P1/P2	First/second year of recommendation
ukp  uks 	Classified as a ukp bread wheat or uks soft wheat for export
*	Variety no longer in trials
[]	Limited data
[[]]	Very limited data

Winter wheat regions



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AHDB

RECOMMENDED

ukp

A high-yielding **nabim**
Group 1 variety

UK

KWS UK

01763 207300

kws-uk.com

Quartz x Hereford

Grain yield (as % control)				
UK	East	West	North	Untreated
101	100	101	99	86

Quality		
Endosperm texture	Hard	
Protein content (%)	12.1	Medium
Protein content (%) – Milling spec	13.2	
Hagberg falling number	283	High
Specific weight (kg/hl)	78.3	High

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	83	Short
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	8	High
Brown rust	6	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	6.4	Medium
Eyespot	7@	High
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	100	
Second cereal (% control)	101	

Notes

@ = Believed to carry the 'Rendezvous' *Pch1* eyespot resistance gene but this has not been verified in Recommended List tests.

nabim comment: This variety shows good gluten strength and milling quality, alongside a good baking performance. As a high-yielding variety, nitrogen applications may need be adjusted to achieve protein specifications.

**A nabim Group 1 variety****UK****RAGT Seeds**

01799 533700

ragt.co.uk

C4148 x Hurricane

Grain yield (as % control)				
UK	East	West	North	Untreated
99	99	99	98	81
Quality				
Endosperm texture			Hard	
Protein content (%)			12.1	Medium
Protein content (%) – Milling spec			13.3	
Hagberg falling number			293	High
Specific weight (kg/hl)			78.6	High
Agronomic features				
Lodging resistance no PGR (1–9)			8	High
Lodging resistance with PGR (1–9)			8	High
Height (cm)			82	Short
Ripening (days +/- JB Diego)			0	Medium
Disease resistance (1–9)				
Mildew			5	Medium
Yellow rust			5	Medium
Brown rust			8	High
Septoria nodorum			[6]	Medium
Septoria tritici			5.9	Medium
Eyespot			6@	Medium
Fusarium ear blight			7	Medium–high
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			99	
Second cereal (% control)			99	

Notes

@ = Believed to carry the ‘Rendezvous’ *Pch1* eyespot resistance gene but this has not been verified in Recommended List tests.

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

nabim comment: This variety is very popular with millers because it shows good milling and baking qualities. Because it is high-yielding, nitrogen applications may need be adjusted to achieve protein specifications.

AHDB

RECOMMENDED

A nabim Group 1 variety

*UK

KWS UK

01763 207300

kws-uk.com

(Grafton x Einstein) x CPBT W134

Grain yield (as % control)				
UK	East	West	North	Untreated
98	98	97	98	76
Quality				
Endosperm texture			Hard	
Protein content (%)			11.8	Medium
Protein content (%) – Milling spec			12.8	
Hagberg falling number			343	High
Specific weight (kg/hl)			77.8	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			8	High
Lodging resistance with PGR (1–9)			8	High
Height (cm)			81	Short
Ripening (days +/- JB Diego)			+1	Medium
Disease resistance (1–9)				
Mildew			8	High
Yellow rust			9	High
Brown rust			7	Medium–high
Septoria nodorum			[6]	Medium
Septoria tritici			5.5	Medium
Eyespot			5	Medium
Fusarium ear blight			6	Medium
Orange wheat blossom midge			-	
Rotation				
First cereal (% control)			98	
Second cereal (% control)			98	

Notes

*KWS Trinity is no longer in Recommended List trials.

nabim comment: This variety exhibits good gluten quality even at lower protein levels and has shown good baking performance. This variety has not achieved a significant market share and millers have seen relatively small quantities.



A nabim Group 1 variety

UK

RAGT Seeds

01799 533700

ragt.co.uk

Qplus x Battalion

Grain yield (as % control)				
UK	East	West	North	Untreated
97	97	98	94	83

Quality		
Endosperm texture	Hard	
Protein content (%)	12.0	Medium
Protein content (%) – Milling spec	13.1	
Hagberg falling number	278	High
Specific weight (kg/hl)	77.5	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	88	Medium
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	9	High
Brown rust	6	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	6.1	Medium
Eyespot	6@	Medium
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	97	
Second cereal (% control)	97	

Notes

@ = Believed to carry the ‘Rendezvous’ *Pch1* eyespot resistance gene but this has not been verified in Recommended List tests.

nabim comment: This variety has a higher level of water absorption (a good feature) and demonstrates good bread-making potential, even at lower protein levels.

AHDB

RECOMMENDED

ukp

A nabim Group 1 variety

UK

Limagrain UK

01472 371471

lgseeds.co.uk

Cordiale x Gulliver

Grain yield (as % control)				
UK	East	West	North	Untreated
97	96	97	93	74

Quality		
Endosperm texture	Hard	
Protein content (%)	12.7	High
Protein content (%) – Milling spec	13.6	
Hagberg falling number	281	High
Specific weight (kg/hl)	78.3	High

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	81	Short
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	9	High
Brown rust	3	Very low
Septoria nodorum	6	Medium
Septoria tritici	6.5	High
Eyespot	5	Medium
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	97	
Second cereal (% control)	95	

Notes

nabim comment: Crusoe has consistently demonstrated good protein content and quality. The breadcrumb structure is notably white and of good quality. Large volumes of this variety continue to be seen and its baking performance remains good; consequently, it remains popular with millers.



A high-yielding **nabim**
Group 2 variety

UK

KWS UK

01763 207300

kws-uk.com

KWS Sterling x Timaru

Grain yield (as % control)				
UK	East	West	North	Untreated
102	102	102	100	85

Quality		
Endosperm texture	Hard	
Protein content (%)	11.7	Medium
Protein content (%) – Milling spec	12.8	
Hagberg falling number	300	High
Specific weight (kg/hl)	77.5	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	6	Medium
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	83	Short
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	8	High
Yellow rust	9	High
Brown rust	5	Medium
Septoria nodorum	[7]	High
Septoria tritici	6.7	High
Eyespot	4	Low
Fusarium ear blight	5	Medium
Orange wheat blossom midge	-	

Rotation	
First cereal (% control)	102
Second cereal (% control)	102

Notes

nabim comment: This variety has protein levels and specific weights that are slightly higher than those of KWS Lili. Some yellowness may be seen in the flour colour. It has shown a degree of variability in its baking performance, so may be more suited to use in blends.

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NEW

ukp

A new **nabim** Group 2 variety**P1 UK****KWS UK**

01763 207300

kws-uk.com

Grain yield (as % control)				
UK	East	West	North	Untreated
101	101	102	[102]	95
Quality				
Endosperm texture			Hard	
Protein content (%)			11.7	Medium
Protein content (%) – Milling spec			12.6	
Hagberg falling number			307	High
Specific weight (kg/hl)			78.6	High
Agronomic features				
Lodging resistance no PGR (1–9)			7	Medium–high
Lodging resistance with PGR (1–9)			8	High
Height (cm)			89	Medium-tall
Ripening (days +/- JB Diego)			0	Medium
Disease resistance (1–9)				
Mildew			6	Medium
Yellow rust			9	High
Brown rust			7	Medium–high
Septoria nodorum			-	
Septoria tritici			8.1	Very high
Eyespot			[4]	Low
Fusarium ear blight			6	Medium
Orange wheat blossom midge			-	
Rotation				
First cereal (% control)			101	
Second cereal (% control)			101	

Notes

nabim comment: Over three years of testing, this variety showed protein levels similar to KWS Siskin and its performance was consistent with that of other Group 2 varieties. It showed some variability in its baking performance.



A nabim Group 2 variety

UK

KWS UK

01763 207300

kws-uk.com

KWS Horizon x CPBT W134

Grain yield (as % control)				
UK	East	West	North	Untreated
100	100	100	103	72

Quality		
Endosperm texture	Hard	
Protein content (%)	11.4	Medium
Protein content (%) – Milling spec	12.4	
Hagberg falling number	303	High
Specific weight (kg/hl)	77.5	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	81	Short
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	8	High
Yellow rust	7	Medium–high
Brown rust	4	Low
Septoria nodorum	[6]	Medium
Septoria tritici	5.9	Medium
Eyespot	5	Medium
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	101	
Second cereal (% control)	99	

Notes

nabim comment: This variety has lower protein levels than the other Group 2 varieties. There are some concerns about the breadcrumb structure of loaves made solely with this variety, but it will usually be used in grists.

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NEW

ukp

A new **nabim** Group 2 variety for the East and West regions

P1 East & West

Limagrain UK

01472 371471

lgseeds.co.uk

Grain yield (as % control)				
UK	East	West	North	Untreated
100	100	102	[95]	77
Quality				
Endosperm texture			Hard	
Protein content (%)			12.2	Medium
Protein content (%) – Milling spec			13.2	
Hagberg falling number			280	High
Specific weight (kg/hl)			77.8	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			8	High
Lodging resistance with PGR (1–9)			7	Medium–high
Height (cm)			84	Medium
Ripening (days +/- JB Diego)			+1	Medium
Disease resistance (1–9)				
Mildew			5	Medium
Yellow rust			9	High
Brown rust			5	Medium
Septoria nodorum			-	
Septoria tritici			5.7	Medium
Eyespot			[5]	Medium
Fusarium ear blight			7	Medium–high
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			100	
Second cereal (% control)			100	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

nabim comment: Over three years of testing, this variety showed protein levels similar to the Group 1 varieties. Gluten quality and baking performance showed some variability.



NEW



A new high-yielding **nabim**
Group 3 variety

P1 UK

KWS UK

01763 207300

kws-uk.com

Grain yield (as % control)				
UK	East	West	North	Untreated
102	103	103	[99]	86

Quality		
Endosperm texture	Soft	
Protein content (%)	11.7	
Protein content (%) – Milling spec	12.8	
Hagberg falling number	248	Medium
Specific weight (kg/hl)	75.9	Low

Agronomic features		
Lodging resistance no PGR (1–9)	8	High
Lodging resistance with PGR (1–9)	8	High
Height (cm)	81	Short
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	5	Medium
Yellow rust	9	High
Brown rust	8	High
Septoria nodorum	-	
Septoria tritici	7.0	High
Eyespot	[4]	Low
Fusarium ear blight	5	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	102	
Second cereal (% control)	101	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'poor' for distilling due to low alcohol levels.

nabim comment: Over the three years of testing, this variety showed similar quality to the Group 3 control and fully met the Group 3 criteria.

AHDB

RECOMMENDED

uks 

A nabim Group 3 variety

UK

KWS UK

01763 207300

kws-uk.com

Bantam x Viscount

Grain yield (as % control)				
UK	East	West	North	Untreated
101	101	100	105	72

Quality		
Endosperm texture	Soft	
Protein content (%)	11.2	
Protein content (%) – Milling spec	12.2	
Hagberg falling number	227	Medium
Specific weight (kg/hl)	77.3	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	82	Short
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	9	High
Brown rust	5	Medium
Septoria nodorum	[5]	Medium
Septoria tritici	4.5	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	102	
Second cereal (% control)	101	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'poor' for distilling due low to alcohol levels.

nabim comment: This variety fully meets the Group 3 criteria.

**A nabim Group 3 variety****P2 UK****Elsoms Seeds**

01775 715000

elsoms.com

Cassius x Viscount

Grain yield (as % control)				
UK	East	West	North	Untreated
101	101	100	102	82

Quality		
Endosperm texture	Soft	
Protein content (%)	11.5	
Protein content (%) – Milling spec	12.5	
Hagberg falling number	222	Medium
Specific weight (kg/hl)	77.3	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	84	Medium
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	9	High
Brown rust	7	Medium–high
Septoria nodorum	[6]	Medium
Septoria tritici	6.0	Medium
Eyespot	4	Low
Fusarium ear blight	7	Medium–high
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	101	
Second cereal (% control)	101	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'good' for distilling.

nabim comment: This variety has shown a slightly lower Hagberg Falling Number and slightly weaker gluten than other Group 3 varieties, but meets the criteria for the group.

AHDB

RECOMMENDED

uks 

A nabim Group 3 variety

UK

KWS UK

01763 207300

kws-uk.com

Cassius x Scout

Grain yield (as % control)				
UK	East	West	North	Untreated
99	99	99	99	74

Quality		
Endosperm texture	Soft	
Protein content (%)	11.4	
Protein content (%) – Milling spec	12.5	
Hagberg falling number	238	Medium
Specific weight (kg/hl)	77.9	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	84	Medium
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	5	Medium
Yellow rust	8	High
Brown rust	5	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	5.1	Medium
Eyespot	5	Medium
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	99	
Second cereal (% control)	99	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated ‘poor’ for distilling due to low alcohol levels.

nabim comment: Although this variety has shown some variation in dough extensibility, it fully meets the criteria for a Group 3 variety.



A nabim Group 3 variety

UK

Limagrain UK

01472 371471

lgseeds.co.uk

(Cebeco99080 x Claire) x Robigus

Grain yield (as % control)				
UK	East	West	North	Untreated
98	98	97	100	72
Quality				
Endosperm texture			Soft	
Protein content (%)			11.5	
Protein content (%) – Milling spec			12.6	
Hagberg falling number			237	Medium
Specific weight (kg/hl)			76.4	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			6	Medium
Lodging resistance with PGR (1–9)			7	Medium–high
Height (cm)			88	Medium
Ripening (days +/- JB Diego)			+1	Medium
Disease resistance (1–9)				
Mildew			7	Medium–high
Yellow rust			5	Medium
Brown rust			7	Medium–high
Septoria nodorum			[6]	Medium
Septoria tritici			5.2	Medium
Eyespot			4	Low
Fusarium ear blight			6	Medium
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			98	
Second cereal (% control)			97	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Believed to be resistant to soil-borne cereal mosaic virus (SBCMV) but this has not been verified in Recommended List tests.

Rated 'medium' for distilling.

nabim comment: This variety has consistently met the requirements for a Group 3 wheat.

AHDB

RECOMMENDED

NEW

A new very high-yielding
soft-milling Group 4 variety

P1 UK

Limagrain UK

01472 371471

lgseeds.co.uk

Grain yield (as % control)				
UK	East	West	North	Untreated
106	106	106	[104]	84
Quality				
Endosperm texture			Soft	
Protein content (%)			11.2	
Protein content (%) – Milling spec			12.0	
Hagberg falling number			221	Medium
Specific weight (kg/hl)			77.2	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			7	Medium–high
Lodging resistance with PGR (1–9)			7	Medium–high
Height (cm)			90	Medium–tall
Ripening (days +/- JB Diego)			0	Medium
Disease resistance (1–9)				
Mildew			7	Medium–high
Yellow rust			8	High
Brown rust			5	Medium
Septoria nodorum			-	
Septoria tritici			5.2	Medium
Eyespot			[4]	Low
Fusarium ear blight			6	Medium
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			106	
Second cereal (% control)			105	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM)
but this has not been verified in Recommended List tests.

Rated ‘medium’ for distilling.

AHDB

RECOMMENDED

NEW

A new very high-yielding
soft-milling Group 4 variety

P1 UK

Limagrain UK

01472 371471

lgseeds.co.uk

Grain yield (as % control)				
UK	East	West	North	Untreated
104	103	105	[101]	82
Quality				
Endosperm texture			Soft	
Protein content (%)			11.1	
Protein content (%) - Milling spec			12.1	
Hagberg falling number			290	High
Specific weight (kg/hl)			78.3	High
Agronomic features				
Lodging resistance no PGR (1–9)			7	Medium–high
Lodging resistance with PGR (1–9)			8	High
Height (cm)			91	Medium–tall
Ripening (days +/- JB Diego)			+1	Medium
Disease resistance (1–9)				
Mildew			6	Medium
Yellow rust			8	High
Brown rust			6	Medium
Septoria nodorum			-	
Septoria tritici			5.2	Medium
Eyespot			[5]	Medium
Fusarium ear blight			7	Medium–high
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			103	
Second cereal (% control)			102	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'medium' for distilling.



A high-yielding soft-milling
Group 4 variety for the
North region

P2 North

KWS UK

01763 207300

kws-uk.com

Grain yield (as % control)				
UK	East	West	North	Untreated
102	103	101	104	77

Quality		
Endosperm texture	Soft	
Protein content (%)	10.9	
Protein content (%) - Milling spec	12.2	
Hagberg falling number	177	Medium
Specific weight (kg/hl)	76.1	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	85	Medium
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	9	High
Brown rust	5	Medium
Septoria nodorum	[5]	Medium
Septoria tritici	4.9	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	102	
Second cereal (% control)	103	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM)
but this has not been verified in Recommended List tests.

Rated ‘medium’ for distilling.



A high-yielding soft-milling
Group 4 variety

P2 UK

Elsoms Seeds

01775 715000

elsoms.com

Cassius x Viscount

Grain yield (as % control)				
UK	East	West	North	Untreated
102	103	102	103	79

Quality		
Endosperm texture	Soft	
Protein content (%)	11.4	
Protein content (%) - Milling spec	12.5	
Hagberg falling number	209	Medium
Specific weight (kg/hl)	77.8	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	81	Short
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	9	High
Brown rust	6	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	4.3	Low
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation	
First cereal (% control)	102
Second cereal (% control)	104

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'good' for distilling.

AHDB

RECOMMENDED

uks 

A high-yielding soft-milling
Group 4 variety for the East
and West regions

East & West

Elsoms Seeds

01775 715000

elsoms.com

Alchemy x Battalion

Grain yield (as % control)				
UK	East	West	North	Untreated
102	102	103	99	84

Quality		
Endosperm texture	Soft	
Protein content (%)	11.4	
Protein content (%) - Milling spec	12.3	
Hagberg falling number	245	Medium
Specific weight (kg/hl)	77.6	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	90	Medium-tall
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	6	Medium
Brown rust	7	Medium–high
Septoria nodorum	[7]	High
Septoria tritici	6.3	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	102	
Second cereal (% control)	102	

Notes

Rated 'poor' for distilling due to low alcohol levels.



A soft-milling Group 4 variety

UK

Limagrain UK

01472 371471

lgseeds.co.uk

(Hereford x Viscount) x Cassius

Grain yield (as % control)				
UK	East	West	North	Untreated
101	101	101	102	86

Quality		
Endosperm texture	Soft	
Protein content (%)	11.2	
Protein content (%) - Milling spec	12.3	
Hagberg falling number	187	Medium
Specific weight (kg/hl)	74.4	Low

Agronomic features		
Lodging resistance no PGR (1–9)	6	Medium
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	86	Medium
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	9	High
Brown rust	6	Medium
Septoria nodorum	[7]	High
Septoria tritici	7.9	Very high
Eyespot	3	Very low
Fusarium ear blight	7	Medium–high
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	101	
Second cereal (% control)	103	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'medium' for distilling.

AHDB

RECOMMENDED

A soft-milling Group 4 variety

UK

Limagrain UK

01472 371471

lgseeds.co.uk

(Bantam x Huntress) x Denman

Grain yield (as % control)				
UK	East	West	North	Untreated
100	100	100	100	84

Quality		
Endosperm texture	Soft	
Protein content (%)	11.3	
Protein content (%) - Milling spec	12.2	
Hagberg falling number	226	Medium
Specific weight (kg/hl)	76.0	Low

Agronomic features		
Lodging resistance no PGR (1–9)	6	Medium
Lodging resistance with PGR (1–9)	6	Medium
Height (cm)	83	Short
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	9	High
Brown rust	7	Medium–high
Septoria nodorum	[6]	Medium
Septoria tritici	5.7	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	100	
Second cereal (% control)	101	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated ‘medium’ for distilling.



A soft-milling Group 4 variety for the North region

North

KWS UK

01763 207300

kws-uk.com

Robigus x Istabraq

Grain yield (as % control)				
UK	East	West	North	Untreated
99	100	98	101	68

Quality		
Endosperm texture	Soft	
Protein content (%)	11.3	
Protein content (%) - Milling spec	12.4	
Hagberg falling number	221	Medium
Specific weight (kg/hl)	78.1	High

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	85	Medium
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	3	Very low
Yellow rust	6	Medium
Brown rust	7	Medium–high
Septoria nodorum	[6]	Medium
Septoria tritici	4.6	Medium
Eyespot	4	Low
Fusarium ear blight	7	Medium–high
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	100	
Second cereal (% control)	99	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'medium' for distilling.

AHDB

RECOMMENDED

uks 

A soft-milling Group 4 variety for the North region

***North**

Limagrain UK

01472 371471

lgseeds.co.uk

NSL 00-0742 x Nijinsky

Grain yield (as % control)				
UK	East	West	North	Untreated
98	98	97	100	63

Quality		
Endosperm texture	Soft	
Protein content (%)	11.4	
Protein content (%) - Milling spec	12.6	
Hagberg falling number	244	Medium
Specific weight (kg/hl)	76.8	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	88	Medium
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	5	Medium
Yellow rust	4	Low
Brown rust	6	Medium
Septoria nodorum	[5]	Medium
Septoria tritici	5.6	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	98	
Second cereal (% control)	101	

Notes

*Myriad is no longer in Recommended List trials.

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'medium' for distilling.



A soft-milling Group 4 variety

UK

Limagrain UK

01472 371471

lgseeds.co.uk

(Alchemy x Claire) x Shepherd

Grain yield (as % control)				
UK	East	West	North	Untreated
97	98	96	98	80

Quality		
Endosperm texture	Soft	
Protein content (%)	11.5	
Protein content (%) - Milling spec	12.6	
Hagberg falling number	257	Medium
Specific weight (kg/hl)	76.5	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	85	Medium
Ripening (days +/- JB Diego)	+3	Late

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	9	High
Brown rust	8	High
Septoria nodorum	[6]	Medium
Septoria tritici	6.3	Medium
Eyespot	8@	High
Fusarium ear blight	7	Medium–high
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	98	
Second cereal (% control)	97	

Notes

@ = Believed to carry the ‘Rendezvous’ *Pch1* eyespot resistance gene but this has not been verified in Recommended List tests.

Rated ‘good’ for distilling.

AHDB

RECOMMENDED

uks 

A soft-milling Group 4 variety for the North region

North

KWS UK

01763 207300

kws-uk.com

Robigus x Canterbury

Grain yield (as % control)				
UK	East	West	North	Untreated
97	97	96	101	73

Quality		
Endosperm texture	Soft	
Protein content (%)	11.2	
Protein content (%) - Milling spec	12.2	
Hagberg falling number	202	Medium
Specific weight (kg/hl)	76.2	Medium
Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	80	Short
Ripening (days +/- JB Diego)	+1	Medium
Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	7	Medium–high
Brown rust	9	High
Septoria nodorum	[6]	Medium
Septoria tritici	4.8	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant
Rotation		
First cereal (% control)	98	
Second cereal (% control)	[99]	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Rated 'good' for distilling.



A very high-yielding hard-milling Group 4 variety

P2 UK

RAGT Seeds

01799 533700

ragt.co.uk

Grain yield (as % control)				
UK	East	West	North	Untreated
104	104	104	105	80
Quality				
Endosperm texture			Hard	
Protein content (%)			11.3	
Protein content (%) – Milling spec			12.2	
Hagberg falling number			211	Medium
Specific weight (kg/hl)			76.4	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			7	Medium–high
Lodging resistance with PGR (1–9)			7	Medium–high
Height (cm)			86	Medium
Ripening (days +/- JB Diego)			+1	Medium
Disease resistance (1–9)				
Mildew			4	Low
Yellow rust			8	High
Brown rust			6	Medium
Septoria nodorum			[6]	Medium
Septoria tritici			5.0	Medium
Eyespot			4	Low
Fusarium ear blight			6	Medium
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			104	
Second cereal (% control)			105	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

AHDB

RECOMMENDED

A very high-yielding hard-milling
Group 4 variety

P2 UK

Syngenta UK Ltd

01223 883400

syngenta.co.uk

Grain yield (as % control)				
UK	East	West	North	Untreated
104	104	103	104	85
Quality				
Endosperm texture			Hard	
Protein content (%)			11.1	
Protein content (%) – Milling spec			12.0	
Hagberg falling number			223	Medium
Specific weight (kg/hl)			76.6	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			7	Medium–high
Lodging resistance with PGR (1–9)			7	Medium–high
Height (cm)			85	Medium
Ripening (days +/- JB Diego)			0	Medium
Disease resistance (1–9)				
Mildew			6	Medium
Yellow rust			7	Medium–high
Brown rust			6	Medium
Septoria nodorum			[6]	Medium
Septoria tritici			6.4	Medium
Eyespot			4	Low
Fusarium ear blight			6	Medium
Orange wheat blossom midge			R	Resistant
Rotation				
First cereal (% control)			104	
Second cereal (% control)			105	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.



A very high-yielding hard-milling Group 4 variety for the East and West regions

East & West

KWS UK

01763 207300

kws-uk.com

W177 x Santiago

Grain yield (as % control)				
UK	East	West	North	Untreated
104	104	103	105	81

Quality		
Endosperm texture	Hard	
Protein content (%)	10.7	
Protein content (%) – Milling spec	11.6	
Hagberg falling number	150	Low
Specific weight (kg/hl)	76.5	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	84	Medium
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	7	Medium–high
Brown rust	7	Medium–high
Septoria nodorum	[6]	Medium
Septoria tritici	5.0	Medium
Eyespot	5	Medium
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation	
First cereal (% control)	104
Second cereal (% control)	105

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

AHDB

RECOMMENDED

A high-yielding hard-milling
Group 4 variety

UK

Syngenta UK Ltd

01223 883400

syngenta.co.uk

Cassius x Hereford

Grain yield (as % control)				
UK	East	West	North	Untreated
103	103	103	104	82

Quality		
Endosperm texture	Hard	
Protein content (%)	11.2	
Protein content (%) – Milling spec	12.1	
Hagberg falling number	219	Medium
Specific weight (kg/hl)	76.4	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	6	Medium
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	85	Medium
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	7	Medium–high
Brown rust	5	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	6.2	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	103	
Second cereal (% control)	104	

AHDB

RECOMMENDED

A high-yielding hard-milling
Group 4 variety

UK

Syngenta UK Ltd

01223 883400

syngenta.co.uk

Premio/Expert

Grain yield (as % control)				
UK	East	West	North	Untreated
102	101	105	100	88

Quality		
Endosperm texture	Hard	
Protein content (%)	11.3	
Protein content (%) – Milling spec	12.1	
Hagberg falling number	283	High
Specific weight (kg/hl)	76.9	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	86	Medium
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	8	High
Brown rust	6	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	6.9	High
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation	
First cereal (% control)	103
Second cereal (% control)	100

AHDB

RECOMMENDED

A high-yielding hard-milling
Group 4 variety

UK

KWS UK

01763 207300

kws-uk.com

Conqueror x CPBT W134

Grain yield (as % control)				
UK	East	West	North	Untreated
102	102	102	98	84

Quality		
Endosperm texture	Hard	
Protein content (%)	11.5	
Protein content (%) – Milling spec	12.6	
Hagberg falling number	285	High
Specific weight (kg/hl)	77.1	Medium

Agronomic features		
Lodging resistance no PGR (1–9)	6	Medium
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	85	Medium
Ripening (days +/- JB Diego)	+1	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	9	High
Brown rust	5	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	5.8	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	R	Resistant

Rotation		
First cereal (% control)	102	
Second cereal (% control)	100	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

AHDB

RECOMMENDED

A hard-milling Group 4 variety

UK

Elsoms Seeds

01775 715000

elsoms.com

(Alchemy x Hereford) x Shepherd

Grain yield (as % control)				
UK	East	West	North	Untreated
101	102	100	102	86
Quality				
Endosperm texture			Hard	
Protein content (%)			11.4	
Protein content (%) – Milling spec			12.4	
Hagberg falling number			236	Medium
Specific weight (kg/hl)			77.2	Medium
Agronomic features				
Lodging resistance no PGR (1–9)			7	Medium–high
Lodging resistance with PGR (1–9)			8	High
Height (cm)			92	Medium–tall
Ripening (days +/- JB Diego)			+1	Medium
Disease resistance (1–9)				
Mildew			5	Medium
Yellow rust			7	Medium–high
Brown rust			6	Medium
Septoria nodorum			[6]	Medium
Septoria tritici			6.7	High
Eyespot			6@	Medium
Fusarium ear blight			6	Medium
Orange wheat blossom midge			-	
Rotation				
First cereal (% control)			101	
Second cereal (% control)			103	

Notes

@ = Believed to carry the ‘Rendezvous’ *Pch1* eyespot resistance gene but this has not been verified in Recommended List tests.

AHDB

RECOMMENDED

A hard-milling Group 4 variety

*UK

Limagrain UK

01472 371471

lgseeds.co.uk

(Robigus x SJ5558) x Smuggler

Grain yield (as % control)				
UK	East	West	North	Untreated
101	101	99	103	80

Quality		
Endosperm texture	Hard	
Protein content (%)	11.1	
Protein content (%) – Milling spec	12.2	
Hagberg falling number	214	Medium
Specific weight (kg/hl)	75.2	Low

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	7	Medium–high
Height (cm)	89	Medium–tall
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	7	Medium–high
Yellow rust	8	High
Brown rust	7	Medium–high
Septoria nodorum	[6]	Medium
Septoria tritici	5.4	Medium
Eyespot	4	Low
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	101	
Second cereal (% control)	101	

Notes

*Evolution is no longer in Recommended List trials.



A hard-milling Group 4 variety

UK

Senova

01223 890777

senova.uk.com

W151 x Timaru

Grain yield (as % control)				
UK	East	West	North	Untreated
100	100	100	100	82

Quality		
Endosperm texture	Hard	
Protein content (%)	11.8	
Protein content (%) – Milling spec	12.7	
Hagberg falling number	330	High
Specific weight (kg/hl)	80.9	High

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	82	Short
Ripening (days +/- JB Diego)	+2	Medium

Disease resistance (1–9)		
Mildew	8	High
Yellow rust	9	High
Brown rust	5	Medium
Septoria nodorum	[6]	Medium
Septoria tritici	6.1	Medium
Eyespot	4	Low
Fusarium ear blight	7	Medium–high
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	101	
Second cereal (% control)	99	

AHDB

RECOMMENDED

A hard-milling Group 4 variety

*UK

Senova

01223 890777

senova.uk.com

3351b2 x Stru2374

Grain yield (as % control)				
UK	East	West	North	Untreated
100	99	100	100	71

Quality		
Endosperm texture	Hard	
Protein content (%)	11.4	
Protein content (%) – Milling spec	12.4	
Hagberg falling number	315	High
Specific weight (kg/hl)	78.1	High

Agronomic features		
Lodging resistance no PGR (1–9)	7	Medium–high
Lodging resistance with PGR (1–9)	8	High
Height (cm)	87	Medium
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	4	Low
Brown rust	6	Medium
Septoria nodorum	5	Medium
Septoria tritici	5.2	Medium
Eyespot	5	Medium
Fusarium ear blight	6	Medium
Orange wheat blossom midge	-	

Rotation		
First cereal (% control)	100	
Second cereal (% control)	100	

Notes

*JB Diego is no longer in Recommended List trials.



A candidate for the 2020/21
AHDB Recommended List, under
test for bread-making

RAGT Seeds

01799 533700

ragt.co.uk

Previous name: RW41615

Grain yield (as % control)				
UK	East	West	North	Untreated
100	99	[101]	[[102]]	73

Quality		
Endosperm texture	Hard	
Protein content (%)	12.6	High
Hagberg falling number	327	High
Specific weight (kg/hl)	77.7	Medium

Agronomic features		
Lodging % (Untreated)	11	
Lodging % (Treated)	4	
Height (cm)	88	Medium
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	5	Medium
Yellow rust	9	High
Brown rust	5	Medium
Septoria tritici	6	Medium
Eyespot	-	
Orange wheat blossom midge	-	

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A soft-milling feed candidate for
the 2020/21 AHDB
Recommended List

Limagrain UK

01472 371471

lgseeds.co.uk

Previous name: LGWU133

Grain yield (as % control)				
UK	East	West	North	Untreated
105	106	[104]	[[102]]	81

Quality			
Endosperm texture	Soft		
Protein content (%)	11.6		
Hagberg falling number	237	Medium	
Specific weight (kg/hl)	77.4	Medium	

Agronomic features			
Lodging % (Untreated)	8		
Lodging % (Treated)	3		
Height (cm)	89	Medium–tall	
Ripening (days +/- JB Diego)	+3	Late	

Disease resistance (1–9)			
Mildew	4	Low	
Yellow rust	6	Medium	
Brown rust	8	High	
Septoria tritici	6	Medium	
Eyespot	-		
Orange wheat blossom midge	R	Resistant	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A soft-milling feed candidate for the 2020/21 AHDB Recommended List

RAGT Seeds

01799 533700

ragt.co.uk

Previous name: RW41640

Grain yield (as % control)				
UK	East	West	North	Untreated

- - - - -

Quality

Endosperm texture -

Protein content (%) -

Hagberg falling number -

Specific weight (kg/hl) -

Agronomic features

Lodging % (Untreated)

Lodging % (Treated)

Height (cm) -

Ripening (days +/- JB Diego) -

Disease resistance (1–9)

Mildew -

Yellow rust -

Brown rust -

Septoria tritici -

Eyespot -

Orange wheat blossom midge -

Data cannot be published as variety has not completed National List testing*

*For latest information, visit ahdb.org.uk/rl

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A soft-milling feed candidate for
the 2020/21 AHDB
Recommended List

Elsoms Wheat Ltd

01775 715000

elsoms.com

Previous Name: EW4033

Grain yield (as % control)				
UK	East	West	North	Untreated
103	104	[102]	[[99]]	89

Quality			
Endosperm texture	Soft		
Protein content (%)	12.3		
Hagberg falling number	293	High	
Specific weight (kg/hl)	76.4	Medium	

Agronomic features			
Lodging % (Untreated)	1		
Lodging % (Treated)	2		
Height (cm)	91	Medium–tall	
Ripening (days +/- JB Diego)	+1	Medium	

Disease resistance (1–9)			
Mildew	6	Medium	
Yellow rust	8	High	
Brown rust	8	High	
Septoria tritici	6	Medium	
Eyespot	-		
Orange wheat blossom midge	-		

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A hard-milling feed candidate for
the 2020/21 AHDB
Recommended List

KWS UK

01763 207300

kws-uk.com

Previous Name: KWSW346

Grain yield (as % control)				
UK	East	West	North	Untreated
105	105	[107]	[[103]]	86

Quality		
Endosperm texture	Hard	
Protein content (%)	11.8	
Hagberg falling number	279	High
Specific weight (kg/hl)	78.8	High

Agronomic features		
Lodging % (Untreated)	6	
Lodging % (Treated)	2	
Height (cm)	83	Short
Ripening (days +/- JB Diego)	0	Medium

Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	6	Medium
Brown rust	6	Medium
Septoria tritici	6	Medium
Eyespot	-	
Orange wheat blossom midge	R	Resistant

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A hard-milling feed candidate for
the 2020/21 AHDB
Recommended List

Syngenta UK Ltd

01223 883400

syngenta.co.uk

Previous name: SY116157

Grain yield (as % control)				
UK	East	West	North	Untreated

- - - - -

Quality				
---------	--	--	--	--

Endosperm texture -

Protein content (%) -

Hagberg falling number -

Specific weight (kg/hl) -

Agronomic features

Lodging % (Untreated)

Lodging % (Treated)

Height (cm) -

Ripening (days +/- JB Diego) -

Disease resistance (1–9)

Mildew -

Yellow rust -

Brown rust -

Septoria tritici -

Eyespot -

Orange wheat blossom midge -

Data cannot be
published as variety has
not completed National
List testing*

*For latest information, visit ahdb.org.uk/rl

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A hard-milling feed candidate for the 2020/21 AHDB Recommended List

RAGT Seeds

01799 533700

ragt.co.uk

Previous Name: RW41646

Grain yield (as % control)				
UK	East	West	North	Untreated
104	104	[105]	[[104]]	82

Quality			
Endosperm texture	Hard		
Protein content (%)	11.6		
Hagberg falling number	273	High	
Specific weight (kg/hl)	75.9	Low	

Agronomic features			
Lodging % (Untreated)	6		
Lodging % (Treated)	2		
Height (cm)	82	Short	
Ripening (days +/- JB Diego)	+1	Medium	

Disease resistance (1–9)			
Mildew	5	Medium	
Yellow rust	7	Medium–high	
Brown rust	7	Medium–high	
Septoria tritici	6	Medium	
Eyespot	-		
Orange wheat blossom midge	R	Resistant	

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A hard-milling feed candidate for the 2020/21 AHDB Recommended List

RAGT Seeds

01799 533700

ragt.co.uk

Previous name: RW41642

Grain yield (as % control)				
UK	East	West	North	Untreated

- - - - -

Quality

Endosperm texture	-
Protein content (%)	-
Hagberg falling number	-
Specific weight (kg/hl)	-

Agronomic features

Lodging % (Untreated)	-
Lodging % (Treated)	-
Height (cm)	-
Ripening (days +/- JB Diego)	-

Data cannot be published as variety has not completed National List testing*

Disease resistance (1–9)

Mildew	-
Yellow rust	-
Brown rust	-
Septoria tritici	-
Eyespot	-
Orange wheat blossom midge	-

*For latest information, visit ahdb.org.uk/rl

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A hard-milling feed candidate for
the 2020/21 AHDB
Recommended List

KWS UK

01763 207300

kws-uk.com

Previous Name: KWSW345

Grain yield (as % control)				
UK	East	West	North	Untreated
103	102	[104]	[[103]]	84

Quality		
Endosperm texture	Hard	
Protein content (%)	11.8	
Hagberg falling number	277	High
Specific weight (kg/hl)	76.4	Medium

Agronomic features		
Lodging % (Untreated)	1	
Lodging % (Treated)	1	
Height (cm)	78	Short
Ripening (days +/- JB Diego)	-1	Medium-early

Disease resistance (1-9)		
Mildew	7	Medium-high
Yellow rust	9	High
Brown rust	5	Medium
Septoria tritici	6	Medium
Eyespot	-	
Orange wheat blossom midge	-	

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A hard-milling feed candidate for
the 2020/21 AHDB
Recommended List

DSV UK

01366 388223
dsv-uk.co.uk

Previous Name: DSV316126

Grain yield (as % control)				
UK	East	West	North	Untreated
101	100	[105]	[[93]]	92

Quality			
Endosperm texture	Hard		
Protein content (%)	12.7		
Hagberg falling number	329	High	
Specific weight (kg/hl)	73.9	Low	

Agronomic features			
Lodging % (Untreated)	9		
Lodging % (Treated)	2		
Height (cm)	83	Short	
Ripening (days +/- JB Diego)	0	Medium	

Disease resistance (1–9)			
Mildew	7	Medium–high	
Yellow rust	9	High	
Brown rust	7	Medium–high	
Septoria tritici	7	High	
Eyespot	-		
Orange wheat blossom midge	-		

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.

Winter wheat control data from National List trial series

	KWS Siskin	Zulu	Skyfall	KWS Santiago	JB Diego
Grain yield (as % control)					
UK treated	101	97	100	102	101
UK untreated (as % of treated control)	87	71	84	74	72
Quality					
Endosperm texture	Hard	Soft	Hard	Hard	Hard
Protein content %	12.5	12.2	12.9	12.1	12.2
Hagberg falling number	284	225	266	223	330
Specific weight (kg/hl)	77.3	75.8	78.7	75.8	79.0
Agronomic features					
Lodging % (Untreated)	14	15	2	7	5
Lodging % (Treated)	5	3	2	2	1
Height (cm) (UT)	84	89	83	87	87
Ripening (days +/- JB Diego)	0	+1	0	+1	0
Disease resistance (1–9)					
Mildew	8	7	5	6	6
Yellow rust	9	5	5	7	4
Brown rust	5	7	8	5	6
Septoria tritici	7	5	6	4	5
Eyespot	4	4	6@	4	5
Orange wheat blossom midge	-	R	R	R	-

Notes

@ = Believed to carry the 'Rendezvous' *Pch1* eyespot resistance gene but this has not been verified in Recommended List tests.

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

These data are taken from the two-year data set used when considering varieties for promotion into the Recommended List trial series.

For full data on a control variety, see its own page.

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

AHDB

RECOMMENDED

A **nabim** Group 1 variety for both late-autumn and spring sowing

UK

Senova

01223 890777

senova.uk.com

Paragon x (Tybalt x Robigus)

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	95	96
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	13.0	12.9
Hagberg falling number	300	328
Specific weight (kg/hl)	77.6	78.2
Agronomic features		
Lodging (%)	-	[34]
Height no PGR (cm)	81	-
Height with PGR (cm)	-	86
Ripening (days +/- Mulika)	0	0
Sprouting resistance (1–9)	-	-
Disease resistance (1–9)		
Mildew	6	Medium
Yellow rust	7	Medium–high
Brown rust	5	Medium
Septoria tritici	6	Medium
Orange wheat blossom midge	R	Resistant

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

nabim comment: This variety has good rheological and baking qualities. It is the spring variety of choice for most millers.



A high-yielding **nabim** Group 2 variety for both late-autumn and spring sowing

UK

KWS UK

01763 207300

kws-uk.com

Ashby x Lapis

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	107	103
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.7	12.7
Hagberg falling number	225	264
Specific weight (kg/hl)	79.6	79.6
Agronomic features		
Lodging (%)	-	[7]
Height no PGR (cm)	83	-
Height with PGR (cm)	-	83
Ripening (days +/- Mulika)	+1	+1
Sprouting resistance (1-9)	-	-
Disease resistance (1-9)		
Mildew	[8]	High
Yellow rust	5	Medium
Brown rust	7	Medium-high
Septoria tritici	6	Medium
Orange wheat blossom midge	R	Resistant

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

nabim comment: This variety has shown good protein levels and specific weights, although there was a degree of variability in performance.

AHDB

RECOMMENDED

A **nabim** Group 2 variety for both late-autumn and spring sowing

UK

KWS UK

01763 207300

kws-uk.com

Sparrow x Azurite

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	103	102
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.4	12.1
Hagberg falling number	303	334
Specific weight (kg/hl)	79.0	79.6
Agronomic features		
Lodging (%)	-	[18]
Height no PGR (cm)	79	-
Height with PGR (cm)	-	79
Ripening (days +/- Mulika)	+1	+1
Sprouting resistance (1–9)	-	-
Disease resistance (1–9)		
Mildew	[7]	Medium–high
Yellow rust	7	Medium–high
Brown rust	4	Low
Septoria tritici	7	High
Orange wheat blossom midge	R	Resistant

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

nabim comment: This variety has lower protein levels than Mulika, but has stronger gluten quality. The baking quality would not necessarily suit all end users.

AHDB

RECOMMENDED

A **nabim** Group 2 variety for both late-autumn and spring sowing

UK

KWS UK

01763 207300

kws-uk.com

(00703S x Tybalt) x Belvoir

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	101	104
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.4	12.1
Hagberg falling number	282	291
Specific weight (kg/hl)	78.3	78.9
Agronomic features		
Lodging (%)	-	[[5]]
Height no PGR (cm)	80	-
Height with PGR (cm)	-	83
Ripening (days +/- Mulika)	+1	0
Sprouting resistance (1-9)	-	-
Disease resistance (1-9)		
Mildew	6	Medium
Yellow rust	6	Medium
Brown rust	6	Medium
Septoria tritici	6	Medium
Orange wheat blossom midge	-	

Notes

nabim comment: This variety has a tendency to produce low Hagberg Falling Numbers and, overall, has shown some variability, especially with baking performance. As a result, it is more likely to be suited to uses in blends.

AHDB

RECOMMENDED

NEW

A new high-yielding, hard-milling Group 4 variety for both late-autumn and spring sowing

P1 UK

KWS UK

01763 207300

kws-uk.com

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	[106]	102
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.0	12.3
Hagberg falling number	263	275
Specific weight (kg/hl)	79.7	79.8
Agronomic features		
Lodging (%)	-	[[1]]
Height no PGR (cm)	84	-
Height with PGR (cm)	-	[87]
Ripening (days +/- Mulika)	[+1]	-1
Sprouting resistance (1-9)	-	-
Disease resistance (1-9)		
Mildew	[8]	High
Yellow rust	9	High
Brown rust	3	Very low
Septoria tritici	7	High
Orange wheat blossom midge	-	

AHDB

RECOMMENDED

NEW

A new high-yielding, hard-milling Group 4 variety for both late-autumn and spring sowing

P1 UK

Senova

01223 890777

senova.uk.com

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	[105]	107
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.3	12.1
Hagberg falling number	275	270
Specific weight (kg/hl)	78.7	78.8
Agronomic features		
Lodging (%)	-	[[18]]
Height no PGR (cm)	83	-
Height with PGR (cm)	-	[87]
Ripening (days +/- Mulika)	[+3]	+3
Sprouting resistance (1-9)	-	-
Disease resistance (1-9)		
Mildew	[7]	Medium-high
Yellow rust	9	High
Brown rust	5	Medium
Septoria tritici	7	High
Orange wheat blossom midge	-	

AHDB

RECOMMENDED

A high-yielding, hard-milling
Group 4 variety for both
late-autumn and spring sowing

UK

KWS UK

01763 207300

kws-uk.com

(Paragon x W109) x Belvoir

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	104	[104]
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.6	[12.8]
Hagberg falling number	265	[301]
Specific weight (kg/hl)	77.0	[77.4]
Agronomic features		
Lodging (%)	-	-
Height no PGR (cm)	85	-
Height with PGR (cm)	-	[93]
Ripening (days +/- Mulika)	+3	[+2]
Sprouting resistance (1-9)	-	-
Disease resistance (1-9)		
Mildew	[7]	Medium-high
Yellow rust	5	Medium
Brown rust	9	High
Septoria tritici	6	Medium
Orange wheat blossom midge	-	



A high-yielding, hard-milling Group 4 variety for both late-autumn and spring sowing

UK

KWS UK

01763 207300

kws-uk.com

Grain yield (as % control)	Spring sown	Autumn sown
UK treated yield	104	101
Quality		
Endosperm texture	Hard	Hard
Protein content (%)	12.4	12.3
Hagberg falling number	295	329
Specific weight (kg/hl)	78.2	78.1
Agronomic features		
Lodging (%)	-	[1]
Height no PGR (cm)	77	-
Height with PGR (cm)	-	78
Ripening (days +/- Mulika)	+2	+1
Sprouting resistance (1-9)	-	-
Disease resistance (1-9)		
Mildew	8	High
Yellow rust	6	Medium
Brown rust	6	Medium
Septoria tritici	6	Medium
Orange wheat blossom midge	-	



A candidate for the 2020 AHDB
Recommended List, under test for
bread-making

KWS UK

01763 207300

kws-uk.com

Previous Name: KWS352

Grain yield Spring-sown (as % of control)

Treated	[107]
Untreated	[91]

Quality

Endosperm texture	Hard
Protein content (%)	[13.0]
Hagberg falling number	253
Specific weight (kg/hl)	[79.4]

Agronomic features

Height (cm)	76
Ripening (days +/- Mulika)	-

Disease resistance (1–9)

Mildew	8	High
Yellow rust	7	Medium–High
Brown rust	6	Medium
Septoria tritici	6	Medium
Orange wheat blossom midge	-	

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.



A candidate for the 2020 AHDB Recommended List, under test for bread-making

Senova

01223 890777

senova.uk.com

Previous Name: SEWC137

Grain yield Spring-sown (as % of control)		
Treated	[105]	
Untreated	[85]	
Quality		
Endosperm texture	Hard	
Protein content (%)	[12.8]	
Hagberg falling number	276	
Specific weight (kg/hl)	[76.2]	
Agronomic features		
Height (cm)	72	
Ripening (days +/- Mulika)	-	
Disease resistance (1–9)		
Mildew	8	High
Yellow rust	8	High
Brown rust	9	High
Septoria tritici	7	High
Orange wheat blossom midge	-	

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

The scales used in the candidate tables are not the same as those for Recommended varieties.

Spring wheat control data from National List trial series

	KWS Alderon	KWS Willow	Mulika
Grain yield - Spring sown (as % control)			
UK treated	102	103	95
UK untreated (as % of treated control)	[85]	[73]	[79]
Quality			
Endosperm texture	Hard	Hard	Hard
Protein content (%)	12.6	12.7	13.2
Hagberg falling number	280	302	296
Specific weight (kg/hl)	77.8	77.2	77.2
Agronomic features			
Height (cm)	77	73	77
Disease resistance (1–9)			
Mildew	8	6	6
Yellow rust	6	6	7
Brown rust	6	6	5
Septoria tritici	6	6	6
Orange wheat blossom midge	-	-	R

Notes

R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

These data are taken from the two-year data set used when considering varieties for promotion into the Recommended List trial series.

For full data on a control variety, see its own page.

Acknowledgement is made to APHA and BSPB for the use of data from National List trials.

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For specific Recommended Lists enquiries, please call **0247 693 5702**.

Preliminary data

The selection of new varieties to promote into AHDB Recommended List trials is made on the basis of preliminary data collected during National List and other trials and tests and these data also make a major contribution to the variety means presented in the Recommended List tables. Acknowledgement is made to Defra and the devolved governments as well as BSPB for the use of these data.



Processors

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