

Spring wheat 2023

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Protection Pro		Σ ω	S Ľ	k a	sabs	S A	S Li		S S	S		ш́ Ю	than	Ë S	rag
Part		Š	Š	Mai	Niss Si	Š	Š	Š	Š	Š	Š	W	Hex	Š	Ave
Viside as Scontrol (spring sowing) 102 102 95 94 106 102 102 102 102 102 95 107 104 104 103 105	End-use group			Group 1								Hard (Group 4		
	Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
Fungine breated (8 shall) 102 102 105 94 105 102 102 102 102 99 107 104 104 103 38 38 38 38 38 38 38	Variety status	NEW		С		NEW	NEW	С	*	*			*C	*	
Parameter Para	UK yield as % control (spring sowir	ng)													
Find	Fungicide-treated (6.8 t/ha)	102	102	95	94	105	102	102	102	99	107	104	104	103	3.6
Protein content (%) 12.6 13.4 13.6 13.6 13.5 13.4 13.5 13.5 13.0 12.8 12.8 12.8 12.6 12.5	Grain quality (spring sowing)														
Hagbeng Falling Number 330 337 332 314 346 325 250 319 369 231 271 291 295	Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	
Seedlic weight (kg/h) 78.3 78.0	Protein content (%)	12.8	13.4	13.8	13.6	13.3	13.4	13.4	13.5	13.0	12.9	12.8	12.8	12.6	0.2
Agronomic features (spring sowing) Agronomic features (spring sowing) FGR 1	Hagberg Falling Number	330	337	332	314	346	325	250	319	359	231	271	291	295	20.1
Resistance to lodging with PGR	Specific weight (kg/hl)	78.3	78.0	77.0	76.4	80.3	78.4	78.6	79.7	78.1	77.6	76.4	77.1	79.0	0.6
Strew length without PCR (cm) 78 75 79 77 85 79 78 75 74 79 73 78 80 20	Agronomic features (spring sowing)													
Ripening (days +/ Mulika) +1 0 0 +2 1 0 +1 0 0 +1 +1 +2 +1 10 Disease resistance			-	-	-	-	-	-	-	-	-	-	-	-	-
Disease resistance Section Disease resistance Disease resistance	Straw length without PGR (cm)	78	75	79	77	85	79	78	75	74	79	73	78	80	2.0
Mildew (1-9) [7] [7] 6 [5] [8] [8] 8 8 8 8 8 8 8 8 8	Ripening (days +/- Mulika)	+1	0	0	+2	-1	0	+1	0	0	+1	+1	+2	+1	1.0
Vallow rust (1-9) 7	Disease resistance														
Septimal (1-9) 5 7 9 9 9 6 7 8 7 6 7 6 9 5 1.4	Mildew (1-9)	[7]	[7]	6	[5]	[8]	[8]	8	8	8	[8]	8	6	8	1.0
Septorial tritici (1-9) [7] [7] 7 [6] 7 [6] 6 6 6 7] 7 6 6 7 7 6 7 7 7 7	Yellow rust (1–9)	7	6	6	5	6	6	4	6	6	7	8	8	9	0.6
Compage wheat blossom midge R - R R R R R R R R	Brown rust (1–9)	5	7	9	[9]	6	7	8	7	6	7	6	9	5	1.4
Annual treated yield (% control, spring sowing) 2018 (5.5 t/ha)	Septoria tritici (1–9)	[7]	[7]	7	[6]	[7]	[6]	6	[6]	[7]	[6]	[6]	[7]	[6]	0.9
2018 (5.5 t/ha)	Orange wheat blossom midge	R	-	R	R	R	R	R	-	R	-	-	-	-	-
2019 (7.0 t/ha)	Annual treated yield (% control, spr	ing sowing)													
2020 (6.4 t/ha)	2018 (5.5 t/ha)	-	-	[94]	-	-	-	[106]	[106]	[98]	-	[112]	[100]	[105]	6.1
2021 (7.6 t/ha) 105 103 96 96 106 106 100 102 103 106 [103] 105 105 4.1 2022 (7.3 t/ha) 99 102 98 93 106 100 98 104 97 105 105 102 105 103 3.7 202 (7.3 t/ha) 99 102 98 93 106 106 100 98 104 97 105 105 102 105 103 3.7 20 105 105 105 105 105 105 105 105 105 10	2019 (7.0 t/ha)	-	103	93	92	-	-	105	100	96	108	104	103	103	4.1
2022 (7.3 t/ha) 99 102 98 93 106 100 98 104 97 105 102 105 103 3.7 Breeder/UK contact	2020 (6.4 t/ha)	[102]	[98]	[94]	[96]	[101]	[100]	[101]	[97]	[99]	[108]	[103]	[105]	[102]	4.4
Breeder/UK contact Breeder KWS KWS BA BA KWSGmbh KWS LSPB Sen KWS Status in RL system Status in RL system Sen Sen Sen Sen Sen KWS Sen Sen KWS Sen Sen <td>2021 (7.6 t/ha)</td> <td>105</td> <td>103</td> <td>96</td> <td>96</td> <td>106</td> <td>106</td> <td>100</td> <td>102</td> <td>103</td> <td>106</td> <td>[103]</td> <td>105</td> <td>105</td> <td>4.1</td>	2021 (7.6 t/ha)	105	103	96	96	106	106	100	102	103	106	[103]	105	105	4.1
Breeder KWS KWS BA BA KWSGmbh KWS LSPB Sen KWS Status in RL system Status in RL system Sen Sen Sen Sen KWS Sen		99	102	98	93	106	100	98	104	97	105	102	105	103	3.7
UK contact KWS KWS Sen BA KWS KWS KWS KWS KWS LSPB Sen KWS Status in RL system Year first listed 23 22 11 22 23 23 17 20 17 22 21 19 19	Breeder/UK contact														_
Status in RL system Year first listed 23 22 11 22 23 23 17 20 17 22 21 19 19	Breeder	KWS	KWS	BA	BA	KWSGmbh	KWS	KWS	KWS	KWS	KWS	WPB	KWS	KWS	
Year first listed 23 22 11 22 23 23 17 20 17 22 21 19 19		KWS	KWS	Sen	BA	KWS	KWS	KWS	KWS	KWS	KWS	LSPB	Sen	KWS	
	Status in RL system														_
RL status P1 P2 - P2 P1 P1 - * * P2 - * * *	Year first listed			11		23		17	20	17		21	19	19	
	RL status	P1	P2	-	P2	P1	P1	-	*	*	P2	-	*	*	

Varieties no longer listed: KWS Kilburn.

On the 1–9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

UKFM = UK Flour Millers UK = Recommended for the UK

C = Yield control

* = Variety no longer under test in RL trials

PGR = Plant growth regulator

∞ = No ratings available

[] = Limited data
R = Believed to be resistant to orange wheat blossom midge (OWBM), but this has not been verified in RL tests

P1 = First year of recommendation

P2 = Second year of recommendation

LSD = Least significant difference

Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 95% confidence level

BA = Blackman Agriculture KWS = KWS UK (kws-uk.com) KWSGmbh = KWS Lochow GmbH (kws-uk.com) LSPB = LS Plant Breeding (Ispb.eu)

Sen = Senova (senova.uk.com) WPB = Wiersum Plant Breeding