RECOMMENDEDLISTS

AHDB

Spring oats 2022

AHDB RECOMMENDED

	Delfin	Merlin	WPB Isabel	Yukon	Canyon	Aspen	Conway	Lion	WPB Elyann	Oliver	Lennon	Kamil	RGT Vaughan	Average LSD (5%)
											Described varieties		**Year 4 Candidate**	
Variety type					**Husked varieties**						**Naked varieties**		**Husked variety**	
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	-	
Variety status		NEW			C	C		NEW	C		NEW			
UK yield (% treated control)														
Fungicide-treated (6.8 t/ha)	106	105	105	104	103	100	99	99	98	75	71	68	99	5.5
Untreated (% of treated control)	102	99	90	100	97	87	90	85	88	64	64	61	[95]	6.3
Grain quality														
Kernel content (%)	72.3	72.6	74.4	72.6	72.7	73.1	73.0	76.2	76.1	-	-	-	[74.1]	1.7
Specific weight (kg/hl)	50.6	51.1	53.6	49.6	51.3	51.2	50.0	52.1	50.4	61.6	[61.5]	63.5	[52.4]	1.2
Screenings (% through 2.0 mm)	2.7	1.6	1.9	2.9	2.4	2.1	1.9	1.9	2.6	-	-	-	[1.9]	1.0
Screenings (% through 1.8 mm)	-	-	-	-	-	-	-	-	-	7.5	[11.3]	4.8	-	2.7
Agronomic features														
Resistance to lodging without PGR (1–9) - **see note below**	7	[7]	7	7	7	6	7	[7]	6	7	[7]	7	[7]	0.6
Straw length without PGR (cm)	111	[105]	108	105	109	98	104	[104]	99	103	[97]	106	[108]	2.5
Ripening (days +/- WPB Isabel, -ve = earlier)	0	-1	0	0	-1	0	-1	-1	-1	0	0	0	-1	1.2
Disease resistance														
Mildew (1–9)	8	8	5	8	8	4	5	3	4	3	5	4	8	0.7
Crown rust (1–9)	4	[3]	5	5	4	5	4	[5]	5	4	[5]	4	[4]	0.9
Annual treated yield (% control)														
2017 (7.2 t/ha)	[112]	-	[111]	[106]	[103]	[101]	[98]	-	[96]	[77]	-	[62]	-	6.7
2018 (6.0 t/ha)	[106]	[104]	[101]	[100]	[96]	[102]	[96]	[101]	[102]	[70]	[76]	[65]	-	8.3
2019 (7.1 t/ha)	[104]	[110]	[105]	[105]	[105]	[100]	[98]	[101]	[95]	[78]	[67]	[69]	[97]	11.3
2020 (6.1 t/ha)	[106]	[101]	[103]	[105]	[104]	[96]	[102]	[95]	[100]	[76]	[76]	[65]	[103]	8.1
2021 (7.7 t/ha)	[105]	[105]	[104]	[102]	[104]	[99]	[102]	[99]	[97]	[74]	[67]	[75]	[97]	4.5
Breeder/ UK contact														
Breeder	Nord	Selg	Wier	Nord	Nord	Bau	IBERS	Nord	Wier	Selg	IBERS	Selg	R2n	
UK contact	SU	Cope	KWS	SU	SU	Sen	Sen	SU	KWS	Cope	Sen	Cope	RAGT	
Status in RL system														
Year first listed	18	22	20	17	11	15	14	22	17	18	22	18	-	
RL status	-	P1	-	-	-	-	-	P1	-	-	P1	-	-	

Varieties no longer listed: Elison, Firth and Madison.
Naked spring oat varieties are described. Data are provided for information only and do not constitute a recommendation.
On the 1–9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

C = Yield control (for current table)
* = Variety no longer under test in RL trials
[ ] = Limited data
PGR = Plant growth regulator
P1 = First year of recommendation

Bau = Bauer, Germany
Cope = Cope Seeds & Grain (**copeseeds.co.uk**)
IBERS = Institute of Biological, Environ. & Rural Sciences (**aber.ac.uk**)
KWS = KWS UK (**kws-uk.com**)
Nord = Nordsaat, Germany (**nordsaat.de**)

R2n = RAGT, France (**ragt.co.uk**)
RAGT = RAGT Seeds (**ragt.co.uk**)
Selg = Selgen, Czech Republic
Sen = Senova (**senova.uk.com**)
SU = Saaten Union UK (**saaten-union.co.uk**)
Wier = Wiersum BV, Netherlands

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

Lodging ratings for RL 2022/23

The scales used to calculate the lodging ratings for the RL 2022/23 have been adjusted to include susceptible and resistant fixed points. The aim is to make the ratings more representative of what is seen in the field and improve consistency of the ratings over years. This has contributed to a drop in ratings for some varieties, compared to the 2021/22 RL. However, this does not mean that these varieties have become more susceptible since last year. As for all ratings, statistical significance (LSD) should be taken into account when deciding if varieties have a different susceptibility to the trait.