

Spring oats 2023



	Described varieties								Year 4 candidates		Year 4 described candidate	Average LSD (5%)			
Variety type	Delfin	Merlin	WPB Isabel	Canyon	Aspen	Lion	Conway	RGT Vaughan	Oliver	Lennon	Kamil		Zenith	Asterion	Ovation
Scope of recommendation	Husked varieties								Naked varieties			Husked varieties		Naked variety	
Variety status	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	-	-	-	
UK yield (% treated control)															
Fungicide-treated (7.1 t/ha)	104	103	101	101	98	98	98	97	73	69	67	106	102	73	
Untreated (% of treated control, 7.1 t/ha)	100	98	88	96	85	83	88	93	62	64	59	[90]	[98]	[68]	
Grain quality															
Kernel content (%)	71.0	71.3	73.0	71.3	71.7	75.0	71.8	72.7	-	-	-	73	73	-	
Specific weight (kg/hl)	50.5	51.2	53.5	51.4	51.1	52.0	49.6	52.2	59.8	58.9	62.5	50.2	51.8	55.9	
Screenings (% through 2.0 mm)	3.3	1.8	2.2	3.0	2.7	2.3	2.4	2.4	-	-	-	2.8	2.7	-	
Screenings (% through 1.8 mm)	-	-	-	-	-	-	-	-	8.2	14.0	5.3	-	-	15.5	
Agronomic features															
Resistance to lodging without PGR (1-9)	7	[7]	7	7	6	[7]	7	[7]	7	[7]	7	[6]	[7]	[6]	
Straw length without PGR (cm)	112	107	109	110	100	105	104	[109]	105	98	107	[106]	[109]	[107]	
Ripening (days +/- WPB Isabel)	-1	-1	0	-1	-1	-2	-1	-1	-1	-1	+1	-1	0	-1	
Disease resistance															
Mildew (1-9)	8	8	5	8	4	3	6	8	3	5	4	4	8	6	
Crown rust (1-9)	4	[3]	5	4	5	[5]	4	[4]	4	[5]	4	[5]	[5]	[6]	
Annual treated yield (% control)															
2018 (6.0 t/ha)	[107]	[105]	[101]	[96]	[102]	[102]	[97]	-	[71]	[77]	[65]	-	-	-	
2019 (7.3 t/ha)	[100]	[106]	[102]	[101]	[97]	[98]	[94]	[95]	[75]	[66]	[67]	-	-	-	
2020 (6.2 t/ha)	[105]	[100]	[102]	[103]	[95]	[94]	[101]	[103]	[75]	[76]	[65]	[108]	[99]	[78]	
2021 (7.8 t/ha)	[102]	[103]	[102]	[101]	[97]	[97]	[99]	[95]	[73]	[66]	[73]	[105]	[103]	[72]	
2022 (7.9 t/ha)	[105]	[103]	[100]	[101]	[99]	[99]	[96]	[97]	[73]	[70]	[65]	[105]	[101]	[73]	
Breeder/UK contact															
Breeder	Nord	Selg	Wier	Nord	Bau	Nord	IBERS	R2n	Selg	IBERS	Selg	-	-	IBERS	
UK contact	SU	Cope	KWS	SU	Sen	SU	Sen	RAGT	Cope	Sen	Cope	Sen	SU	Sen	
Status in RL system															
Year first listed	18	22	20	11	15	22	14	23	18	22	18	-	-	-	
RL status	*	P2	-	-	*	P2	-	P1	-	P2	-	-	-	-	

Varieties no longer listed: WPB Elyann and Yukon.

Naked spring oat varieties are described. Data is provided for information only and does 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).

Candidate varieties will be considered for the DL 2024.

- * = Variety no longer under test in RL trials
- C = Yield control
- [] = Limited data
- PGR = Plant growth regulator
- 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

Bau = Bauer, Germany
 Cope = Cope Seeds & Grain (copesseeds.co.uk)
 IBERS = Institute of Biological, Environ. & Rural Sciences (aber.ac.uk/en/ibers)

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 (selgen.eu)

Sen = Senova (senova.uk.com)
 SU = Saaten Union UK (saaten-union.co.uk)
 Wier = Wiersum BV, Netherlands