

AHDB Recommended List

Spring oats 2021



Variety type	Delfin	WPB Isabel	Elison	Yukon	Husked varieties			Conway	Firth	Average LSD (5%)
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	
					C	C	C		*	
UK yield (% treated control)										
Fungicide-treated (6.9 t/ha)	106	105	105	104	102	100	98	98	94	5.4
Untreated (% of treated control)	101	88	97	99	96	86	88	88	79	6.5
Grain quality										
Kernel content (%)	73.0	75.9	72.5	73.2	73.2	73.8	77.0	74.4	74.3	1.1
Specific weight (kg/hl)	50.9	54.5	51.0	50.3	51.7	51.7	50.9	50.5	49.3	1.1
Screenings (% through 2.0 mm)	2.8	2.0	2.7	2.8	2.4	2.1	2.5	2.5	2.9	1.6
Agronomic features										
Resistance to lodging (1–9)	8	[9]	8	8	7	7	7	9	7	1.0
Straw length (cm)	111	[109]	110	106	110	98	100	105	98	2.5
Ripening (days +/- Firth, -ve = earlier)	0	0	0	0	0	0	-1	-1	0	1.3
Disease resistance										
Mildew (1–9) - see note below	8	5	8	7	8	4	4	5	4	1.0
Crown rust (1–9)	4	5	3	5	4	5	5	4	5	1.1
Annual treated yield (% control)										
2016 (8.3 t/ha)	[104]	[103]	[104]	[102]	[101]	[100]	[99]	[97]	[95]	4.7
2017 (7.2 t/ha)	[112]	[111]	[102]	[106]	[103]	[101]	[96]	[98]	[101]	6.7
2018 (6.0 t/ha)	[106]	[101]	[103]	[100]	[96]	[102]	[102]	[96]	[95]	8.5
2019 (7.1 t/ha)	[104]	[106]	[110]	[106]	[105]	[100]	[95]	[98]	[86]	11.4
2020 (6.1 t/ha)	[106]	[103]	[104]	[105]	[104]	[96]	[100]	[102]	[90]	7.6
Breeder/ UK contact										
Breeder	Nord	Wier	SE	Nord	Nord	Bau	Wier	IBERS	KWS	
UK contact	SU	KWS	Sen	SU	SU	Sen	KWS	Sen	KWS	
Status in RL system										
Year first listed	18	20	19	17	11	15	17	14	00	
RL status	-	P2	-	-	-	-	-	-	*	

Described varieties			Year 4 Candidates	
Oliver	Madison	Kamil	Merlin	Lion
Naked varieties			Husked varieties	
UK	UK	UK	-	-
75	70	64	104	98
62	59	57	[98]	[83]
-	-	-	[73.4]	[77.6]
62.2	57.0	64.6	[51.5]	[52.4]
[5.7]	[10.3]	[3.0]	1.6	1.9
8	[7]	9	[9]	[9]
104	[101]	106	[106]	[104]
0	-1	+1	-1	-1
3	3	4	8	3
4	4	5	-	-
[72]	[72]	[61]	-	-
[77]	[70]	[62]	-	-
[70]	[69]	[65]	[104]	[101]
[78]	[64]	[70]	[109]	[101]
[76]	[72]	[65]	[101]	[95]
Selg	IBERS	Selg	Selg	Nord
Cope	Sen	Cope	Cope	SU
18	20	18	-	-
-	P2	-	-	-

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
 P2 = Second 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)

SE = Saatzucht Edelfhof, Austria (saatzucht.edelfhof.at)
 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

Spring oat mildew ratings

The RL 2021/22 sees the spring oat mildew disease rating slope reset, using a similar approach to that described for winter wheat yellow rust (see 'winter wheat RL 2021/22'). The aim is to make the ratings more representative of what is seen in the field. This has contributed to a relatively large drop in ratings for some varieties, compared to the 2020/21 RL. This is not due changes in spring oat susceptibility to mildew or changes in the virulence of mildew.