

Winter oats 2022/23



Year 4 Candidates

	RGT Southwark	Dalguise	RGT Lineout	Mascani	Gerald	Peloton	Fusion #	Grafton	Cromwell	RGT Silver †	Average LSD (5%)
Variety type	Husked varieties					Naked varieties			Husked varieties		
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	-	-	
Variety status	C	C	*	C							
UK yield (% treated control)											
Fungicide-treated (8.8 t/ha)	104	100	100	97	95	77	73	72	104	-	3.2
Grain quality											
Kernel content (%)	72.9	73.0	73.1	76.4	70.5	-	-	-	75.6	-	1.3
Specific weight (kg/hl)	53.6	54.2	52.2	53.3	52.4	61.6	60.2	62.9	54.9	-	1.1
Screenings (% through 2.0 mm)	5.5	3.5	6.2	1.7	4.7	-	-	-	3.9	-	1.4
Screenings (% through 1.8 mm)	-	-	-	-	-	19.0	27.7	11.1	-	-	4.0
Agronomic features											
Resistance to lodging without PGR(1-9) - see note below	5	4	6	6	6	7	9	7	[8]	-	1.3
Straw length without PGR (cm)	125	124	118	122	121	118	80	124	[105]	-	4.0
Ripening (days +/- Mascani, -ve = earlier)	-1	-1	-1	0	+1	+1	+3	-1	+1	-	1.1
Disease resistance											
Mildew (1-9)	4	4	3	6	4	7	4	4	3	-	1.0
Crown rust (1-9)	8	4	5	5	4	6	3	4	-	-	0.8
Treated yields with and without PGR (% treated control)											
With PGR (8.8 t/ha)	103	100	100	96	96	76	72	72	103	-	3.3
Without PGR (8.7 t/ha)	104	100	99	97	96	78	75	73	104	-	4.7
Annual treated yield (% control)											
2017 (8.0 t/ha)	102	98	100	100	93	78	69	69	-	-	5.6
2018 (9.3 t/ha)	101	102	100	97	99	76	76	74	[104]	-	3.7
2019 (9.3 t/ha)	105	99	100	96	98	78	76	77	[109]	-	6.8
2020 (8.3 t/ha)	105	101	99	95	94	75	73	70	101	-	5.1
2021 (9.1 t/ha)	105	100	101	95	93	75	70	69	-	-	5.2
Breeder/UK contact											
Breeder	R2n	Sen	R2n	IBERS	IBERS	IBERS	IBERS	IBERS	IBERS	R2n	
UK contact	RAGT	Sen	RAGT	Sen	Sen	Sen	Sen	Sen	Sen	RAGT	
Status in RL system											
Year first listed	18	03	16	04	93	17	10	00	-	-	
RL status	-	-	*	-	-	-	-	-	-	-	

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. disease resistance).
 † Data cannot be published as variety has not completed National List testing.

C = Yield control (for current table)
 * = Variety no longer under test in RL trials
 # = Dwarf variety
 PGR = Plant growth regulator
 [] = Limited data

IBERS = Institute of Biological, Environ. & Rural Sciences (aber.ac.uk)
 R2n = RAGT, France (ragt.co.uk)
 RAGT = RAGT Seeds (ragt.co.uk)
 Sen = Senova (senova.uk.com)

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.