

Winter oilseed rape 2023/24

Yield, agronomy and disease resistance



	Recommended for the UK (both East/West and North regions)														Recommended for the East/West region only							Recommended for the North region only			Recommended for use on clubroot-infected land only			Described varieties			Average LSD (5%)			
	Turing	Attica	LG Auckland	Vegas	Ambassador	Aurelia	LG Aviron	PT303	Tom	Acacia	Annika	Matix CL &	Aspie	LG Constructor CL &	DK Imprint CL &	Murray	LG Adonis	Dart	Respect	Fleming	LG Antigua	Tennyson	DK Expectation	PT27/9CL &	LG Wagner	Amarone	Beatrice CL &	Crome #	Crocodile #	Crossfit #		PX131	Resort	Y 316 OL
Variety type	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Conv	Conv	Conv	Hybrid	Conv	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Conv	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK Sp	UK	UK Sp	UK Sp	E/W	E/W	E/W	E/W	E/W	E/W	E/W	E/W	E/W Sp	N	N	N Sp	UK Sp	E/W Sp	E/W Sp	UK SD	UK HEAR	UK HOLL	
Variety status	NEW	NEW		NEW		C			NEW				C		*	NEW			*	*	*	*	*	*	NEW		NEW							
Gross output, yield adjusted for oil content (% treated control)																																		
United Kingdom (5.2 t/ha)	107	107	106	105	105	105	105	104	102	101	101	98	98	95	92	106	104	102	101	101	101	101	99	99	92	104	99	97	97	100	96	88	89	96
East/West region (5.1 t/ha)	107	107	106	106	105	105	105	104	102	101	101	99	98	96	92	106	104	103	102	101	101	100	100	92	104	98	97	97	101	97	88	89	96	
North region (5.8 t/ha)	107	107	102	103	103	104	103	102	[102]	101	101	95	99	92	91	103	102	95	97	[96]	101	95	95	92	108	102	[94]	99	96	[91]	94	89	96	
Seed yield (% treated control)																																		
United Kingdom (4.8 t/ha)	109	106	106	105	106	105	106	103	102	102	101	97	98	96	94	107	103	102	102	102	101	100	99	93	104	99	96	97	101	95	87	89	96	
East/West region (4.8 t/ha)	109	107	106	105	106	105	106	103	102	102	101	98	98	97	94	107	103	103	103	103	101	100	100	93	104	99	96	96	102	96	87	89	96	
North region (5.4 t/ha)	108	106	102	103	104	105	105	102	[102]	101	102	95	99	93	94	104	101	95	98	[97]	101	96	95	93	108	103	[94]	98	97	[90]	93	88	96	
Untreated gross output, yield adjusted for oil content (% untreated control) <sup>‡</sup>																																		
United Kingdom (5.2 t/ha)	-	-	107	-	105	105	107	102	-	101	99	96	98	90	93	-	102	98	102	[99]	103	97	95	92	-	101	-	97	98	[92]	88	89	96	
Untreated seed yield (% untreated control) <sup>‡</sup>																																		
United Kingdom (4.9 t/ha)	-	-	107	-	105	105	108	101	-	101	99	95	99	91	95	-	102	98	103	[99]	103	98	96	93	-	102	-	96	99	[91]	87	89	96	
Agronomic features																																		
Resistance to lodging (1-9)	[8]	[8]	[8]	[8]	8	8	[8]	[8]	[8]	8	[8]	[8]	8	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	[8]	8	[8]	[8]	[8]	8	[8]	[8]	8	8	8	
Stem stiffness (1-9)	8	8	7	8	9	8	7	8	9	9	9	8	9	8	7	8	8	8	8	9	8	7	7	8	8	8	8	8	8	7	9	8	8	
Shortness of stem (1-9)	6	6	6	6	6	6	6	5	6	7	6	6	7	6	5	6	6	6	6	6	6	6	6	6	6	7	6	6	6	6	9	6	6	
Plant height (cm)	144	149	150	144	148	145	150	159	143	141	143	152	136	143	153	150	142	145	152	151	151	144	145	147	143	138	146	142	143	143	111	145	149	
Earliness of flowering (1-9)	8	7	7	7	7	7	8	5	6	6	6	7	7	6	6	7	7	7	7	6	7	6	8	6	7	7	7	7	6	7	6	7	6	
Earliness of maturity (1-9)	5	5	5	5	6	5	6	5	5	4	6	5	6	6	6	5	5	5	5	4	6	5	6	6	5	5	5	5	6	6	4	5	5	
Pod shatter resistance	-	R	R	-	R	R	R	-	-	-	-	R	-	R	R	-	-	-	-	-	R	-	R	-	R	-	R	-	-	R	R	-	-	
Disease resistance																																		
Light leaf spot (1-9)	7	7	7	8	7	7	8	7	7	6	7	6	7	6	6	7	7	7	6	7	7	7	7	5	7	7	6	6	6	5	7	5	6	
Stem canker (1-9)	5	7	7	9	7	6	[7]	6	6	6	6	8	6	6	[7]	8	7	6	[7]	8	[7]	9	[7]	5	6	6	7	4	4	9	6	5	5	
TuYV	-	R	R	-	R	R	R	R	-	-	R	R	R	R	-	-	R	R	-	R	R	R	R	-	R	R	R	-	-	R	-	-	-	

Varieties no longer listed in the UK (both East/West and North regions): Aardvark and Artemis.

Varieties no longer listed in the East/West region: Croozer, Darling, Dazzler, Nizza CL and PX138.

Varieties no longer listed in the North region: Blazen.

HEAR (High Erucic Acid), HOLL (High Oleic, Low Linolenic) and semi-dwarf 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).

The target (spring) plant population is 40 plants/m<sup>2</sup> for RL trials. Maximum seed rate is 70 seeds/m<sup>2</sup> and may be lower if conditions permit.

Glucosinolate contents are taken from the National List trials data.

Yield figures for regions where the variety is not recommended are provided for information only and are indicated in italics.

UK = Recommended for both the East/West and North regions  
 E/W = Recommended for the East/West region  
 N = Recommended for the North region  
 Sp = Specific recommendation  
 Conv = Conventional open-pollinated variety  
 SD = Semi-dwarf variety  
 HEAR = High Erucic Acid variety  
 HOLL = High Oleic, Low Linolenic variety

C = Yield control. For this table, Campus, DK Expansion and Temptation were also control varieties but are no longer listed  
 \* = Variety no longer under test in RL trials in region  
 & = Herbicide-tolerant variety. This variety has a specific recommendation for tolerance to specific imidazolinone herbicides (a Clearfield® variety)  
 # = Specific recommendation for growing on land infected with common strains of clubroot. Believed to be resistant to common strains of clubroot, but this has not been verified in RL tests. These varieties should only be used in line with AHDB clubroot management guidelines, to reduce the risk of resistance breakdown

‡ = Untreated trials are treated for sclerotinia at flowering  
 TuYV = Turnip yellows virus  
 [ ] = Limited data  
 R = Believed to be resistant to the trait (TuYV or pod shatter), but this has not been verified in RL tests

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

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Supplementary data



Variety type	Recommended for the UK (both East/West and North regions)															Recommended for the East/West region only									Recommended for the North region only			Recommended for use on clubroot-infected land only			Described varieties			Average LSD (5%)
	Turing	Attica	LG Auckland	Vegas	Ambassador	Aurelia	LG Aviron	PT303	Tom	Acacia	Annika	Matrix CL &	Aspie	LG Constructor CL &	DK Imprint CL &	Murray	LG Adonis	Dart	Respect	Flaming	LG Anigua	Tennyson	DK Expectation	PT279CL &	LG Wagner	Amarone	Beatrice CL &	Crome #	Crocodile #	Crossfit #	PX131	Resort	Y 316 OL	
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK Sp	UK	UK Sp	UK Sp	E/W	E/W	E/W	E/W	E/W	E/W	E/W	E/W	E/W Sp	N	N	N Sp	UK Sp	E/W Sp	E/W Sp	UK SD	UK HEAR	UK HOLL	
Variety status	NEW	NEW		NEW				NEW							*	NEW			*	*	*		*	*	NEW		NEW							
Breeder/UK contact	NPZ	LimEur	LimEur	NPZ	LimEur	LimEur	LimEur	PionOS	CBI	LimEur	LimEur	DSV	LimEur	LimEur	MonTec	NPZ	LimEur	DSV	NPZ	NPZ	LimEur	SyP	MonTec	PionOS	LimEur	LimEur	DSV	NPZ	DSV	DSV	PionOS	Lemb	MonTec	
UK contact	LSPB	Lim	Lim	LSPB	Lim	Lim	Lim	Cor	FrontAg	Lim	Lim	DSV	Lim	Lim	Bay	LSPB	Lim	DSV	LSPB	LSPB	Lim	Els	Bay	Cor	Lim	Lim	DSV	LSPB	DSV	DSV	Cor	LSPB	Bay	
Annual treated gross output, yield adjusted for oil content (% control) – UK																																		
2019 (5.5 t/ha)	-	-	[103]	-	104	104	104	[104]	-	103	[102]	[96]	100	[93]	90	-	[104]	[99]	100	[99]	102	[98]	98	90	-	[103]	-	99	97	[92]	90	89	93	-
2020 (5.6 t/ha)	106	108	104	103	105	105	106	103	[102]	100	99	98	96	95	94	102	102	99	100	98	102	99	98	92	107	99	[95]	97	98	95	91	87	97	-
2021 (5.1 t/ha)	108	106	104	105	104	104	102	104	102	101	102	95	98	91	91	106	102	98	99	99	101	96	95	93	104	100	93	99	99	94	92	91	95	-
2022 (5.7 t/ha)	107	105	104	105	104	105	104	101	102	100	102	97	98	94	93	104	103	99	98	-	99	97	98	91	107	100	97	97	101	-	90	89	98	-
Treatment benefit at co-located sites (% treated control) §																																		
Treated gross output – UK (5.4 t/ha)	-	-	107	-	105	105	107	102	-	101	103	99	98	92	94	-	103	98	101	[100]	101	97	97	92	-	102	-	98	99	[93]	89	89	96	7.2
Untreated gross output – UK (5.4 t/ha) ¶	-	-	103	-	101	101	103	98	-	97	95	92	95	87	89	-	99	95	98	[95]	99	94	92	89	-	97	-	93	94	[88]	85	86	92	7.3
Seed quality (at 9% moisture)																																		
Oil content, fungicide-treated (%)	44.3	45.3	45.3	45.3	44.8	44.9	44.4	45.7	45.1	45.0	45.0	45.6	45.2	44.2	43.6	44.5	46.0	45.2	44.5	44.5	45.2	44.8	45.1	44.5	45.0	44.8	45.9	45.7	44.7	46.1	46.1	45.4	45.0	0.3
Glucosinolate (µmoles/g)	10.4	12.0	12.2	11.0	10.9	10.2	11.2	8.0	11.6	8.1	11.6	14.2	9.9	15.8	14.3	11.1	9.7	10.0	11.8	12.0	11.5	11.1	12.2	10.9	11.7	11.9	15.3	10.8	12.8	11.7	9.4	14.0	12.3	-
Status in RL system																																		
Year first listed	23	23	22	23	20	20	21	22	23	20	22	22	19	22	21	23	22	22	21	22	21	22	21	19	23	22	23	19	20	22	20	20	15	
RL status	P1	P1	P2	P1	-	-	-	P2	P1	-	P2	P2	-	P2	*	P1	P2	P2	*	*	*	P2	*	*	P1	P2	P1	-	-	P2	-	-	-	

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§ = Co-located sites are a subset of trial locations where both treated and untreated trials are present. Data is presented as a percentage of the treated control varieties at these sites only  
 ¶ = Untreated trials are treated for sclerotinia at flowering  
 [ ] = Limited data  
 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

Bay = Bayer CropScience ([cropscience.bayer.co.uk](http://cropscience.bayer.co.uk))  
 CBI = Cluser Breeding International GmbH  
 Cor = Corteva Agriscience™ ([corteva.co.uk/pioneer](http://corteva.co.uk/pioneer))  
 DSV = DSV UK Ltd ([dsv-uk.co.uk](http://dsv-uk.co.uk))  
 Els = Elsoms Seeds Ltd ([elsoms.com](http://elsoms.com))  
 FrontAg = Frontier Agriculture Ltd ([frontieraq.co.uk](http://frontieraq.co.uk))

Lemb = Lembke, Germany  
 Lim = Limagrain UK ([lgseeds.co.uk](http://lgseeds.co.uk))  
 LimEur = Limagrain Europe SA ([lgseeds.co.uk](http://lgseeds.co.uk))  
 LSPB = LS Plant Breeding ([lspb.eu](http://lspb.eu))  
 MonTec = Monsanto Technology LLC ([cropscience.bayer.co.uk](http://cropscience.bayer.co.uk))

NPZ = NPZ-Lembke, Germany ([npz.de](http://npz.de))  
 PionOS = Pioneer Overseas Corporation ([corteva.co.uk/pioneer](http://corteva.co.uk/pioneer))  
 SyP = Syngenta Participations AG ([syngenta.co.uk](http://syngenta.co.uk))