

AHDB Recommended List

Winter oilseed rape 2021/22

Yield, quality, agronomy and disease resistance



Variety type Scope of recommendation	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			
	Ambassador	LG Aviron	Aurelia	Acacia	Artemis	Aspire	Aardvark	Temptation	DK Expansion	Ballad	V 316 OL ~	DK Imprint CL &	LG Antigua	DK Expectation	Respect	Darling	George	Dazzler	PTZ75	PTZ79CL &	Nizza CL &	Blazen	Barbados	DK Exsteel	Crome \$	Crocodile \$	Croozer \$	Average LSD (5%)	PX131	Resort †
United Kingdom (5.3 t/ha)	108	108	107	107	106	104	104	103	102	100	98	95	108	106	106	103	103	102	102	96	93	101	97	101	101	102	100	4.6	95	92
East/West region (5.2 t/ha)	109	109	107	107	107	104	104	103	102	100	99	95	109	107	106	103	103	102	102	96	94	101	96	101	101	103	101	5.0	95	92
North region (5.9 t/ha)	102	105	106	104	102	103	103	98	102	102	96	91	102	96	101	100	100	98	97	91	88	102	101	100	102	96	96	5.7	96	90
Seed yield (% treated control)																														
United Kingdom (4.9 t/ha)	108	110	107	106	106	103	103	102	102	100	98	97	108	106	106	102	103	101	102	96	94	102	97	101	100	103	101	4.2	94	92
East/West region (4.8 t/ha)	109	110	107	107	106	103	104	102	102	100	99	97	108	107	107	103	103	101	102	97	94	102	97	101	100	104	102	4.6	94	92
North region (5.4 t/ha)	103	107	107	104	102	102	102	97	102	101	96	93	102	96	102	99	100	97	97	92	89	104	101	100	101	97	97	5.3	94	90
Untreated gross output, yield adjusted for oil content (% untreated control) □																														
United Kingdom (5.4 t/ha)	110	-	109	105	105	103	103	103	101	98	98	-	-	-	-	102	99	102	101	94	87	98	97	104	101	97	98	6.6	92	92
Untreated seed yield (% untreated control) □																														
United Kingdom (5.0 t/ha)	110	-	109	105	105	103	102	102	101	98	98	-	-	-	-	101	98	101	101	95	88	99	97	104	100	98	98	6.3	92	92
Agronomic features																														
Resistance to lodging (1-9)	[8]	[7]	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]	0.3	8	8
Stem stiffness (1-9)	8	6	8	9	8	9	8	7	8	8	8	6	8	7	8	8	7	9	8	8	8	9	8	8	8	8	8	0.5	9	8
Shortness of stem (1-9)	6	6	6	7	5	7	6	6	5	7	6	6	6	6	6	7	6	6	6	6	6	6	6	5	6	6	6	0.2	9	6
Plant height (cm)	159	161	155	150	164	146	153	154	165	150	157	163	162	156	162	159	151	153	156	156	152	152	155	166	154	153	151	2.9	120	154
Earliness of flowering (1-9)	7	8	7	6	6	7	8	6	6	7	6	5	7	8	7	7	8	5	6	7	7	6	6	6	7	6	8	0.3	6	7
Earliness of maturity (1-9)	6	6	5	5	6	4	5	5	5	5	5	5	6	6	5	5	6	5	6	5	5	5	4	5	5	5	6	0.4	4	5
Pod shatter	R	R	R	-	R	-	-	-	R	-	-	R	R	R	-	R	-	R	R	-	-	-	-	R	-	-	-	-	-	-
Disease resistance																														
Light leaf spot (1-9)	7	7	7	6	6	7	7	6	6	6	6	6	6	7	6	6	6	6	5	5	5	6	7	7	6	6	6	0.7	7	6
Stem canker (1-9)	7	7	7	5	6	5	6	5	7	5	5	8	7	8	8	8	9	8	5	5	6	6	7	8	4	4	8	0.8	6	5
TuYV	R	R	R	-	R	R	-	R	-	-	-	-	R	R	-	R	-	R	-	-	-	-	-	-	-	-	-	-	-	-

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

Varieties no longer listed in the East/West region: Windozz and Elgar.

Varieties no longer listed in the North region: Anastasia, Broadway, Butterfly, Elevation and Kielder.

HEAR (High Erucic Acid) 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/m² for RL trials. Maximum seed rate is 70 seeds/m² and may be lower if conditions permit.

Glucosinolate contents are taken from the National List trials data.

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

(Sp) = Resistance to *Turnip yellows virus* (TuYV) is no longer a specialist category.

Temptation has a specific recommendation for this trait

Conv = Conventional open-pollinated variety

SD = Semi-dwarf

C = Yield control (for current table). For this table, Alizze, Campus, Elgar and Nikita

were also control varieties but are no longer listed

* = Variety no longer under test in RL trials in region

- = HOLL (High Oleic, Low Linolenic) variety

& = Herbicide-tolerant variety. DK Imprint CL, Nizza CL and PT279CL have a

specific recommendation for tolerance to specific imidazolinone herbicides (a Clearfield® variety)

\$ = Specific recommendation for growing on land infected with common strains of clubroot. These varieties should

only be used in-line with AHDB clubroot management guidelines, to reduce the risk of resistance breakdown

† = HEAR (High Erucic Acid) variety

[] = Limited data

□ = Untreated trials are treated for sclerotinia at flowering

TuYV = *Turnip yellows virus*

R = Believed to be resistant to the trait (TuYV or pod shatter) but this has not been verified in Recommended List

tests

LSD = Least significant difference

Average LSD (5%): Varieties that are more

than one LSD apart are significantly different

at the 95% confidence level

AHDB Recommended List

Winter oilseed rape 2021/22

Supplementary data



Variety type
Scope of recommendation

	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						
	Ambassador	LG Aviron	Aurelia	Acacia	Artemis	Aspire	Aardvark	Temptation	DK Expansion	Ballad	V 316 OL ~	DK Imprint CL &	LG Antigua	DK Expectation	Respect	Darling	George	Dazzler	PTZ/5	PTZ79CL &	Nizza CL &	Blazen	Barbados	DK Exsteel	Crome \$	Crocodile \$	Croozer \$			
	Hybrid	Hybrid	Hybrid	Conv	Hybrid	Conv	Conv	Hybrid	Hybrid	Conv	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Conv	Conv	Hybrid	Hybrid	Hybrid	Hybrid			
	UK	UK	UK	UK	UK	UK	UK	(Sp)	UK	UK	Sp	Sp	E/W	E/W	E/W	E/W	E/W	E/W	E/W	Sp	Sp	N	N	N	UK Sp	E/W Sp	E/W Sp			
		NEW						*	*C	*		NEW	NEW	NEW			*		*				*	*						
Breeder/UK contact																														
Breeder	LimEur	LimEur	LimEur	LimEur	LimEur	LimEur	LimEur	DSV	MonTec	KWSMR	MonTec	MonTec	LimEur	MonTec	NPZ	DSV	SyP	DSV	PionOS	PionOS	R2n	KWSMR	KWSMR	MonTec	NPZ	Lemb	Lemb			
UK contact	Lim	Lim	Lim	Lim	Lim	Lim	Lim	DSV	Bay	KWS	Bay	Bay	Lim	Bay	LSPB	DSV	Els	DSV	Cor	Cor	RAGT	KWS	KWS	Bay	LSPB	DSV	LSPB			
Annual treated gross output, yield adjusted for oil content (% control) - UK																														
2017 (5.7 t/ha)	105	-	107	107	104	105	105	99	101	102	96	-	-	-	-	102	102	100	100	93	91	104	100	101	103	100	99	-	97	92
2018 (5.6 t/ha)	104	105	105	106	103	104	104	101	100	101	97	92	105	101	103	100	101	99	101	94	91	102	98	100	102	99	96	-	98	92
2019 (5.5 t/ha)	106	106	107	107	106	104	103	101	103	102	96	91	105	102	103	103	101	103	98	93	93	101	99	101	102	99	100	-	94	91
2020 (5.6 t/ha)	107	109	107	103	104	100	102	100	103	99	99	95	105	101	103	102	102	99	99	94	87	100	97	101	100	98	98	-	94	89
Seed quality (at 9% moisture)																														
Oil content, fungicide-treated (%)	45.2	44.5	45.3	45.7	45.6	45.7	45.7	46.1	45.5	45.6	45.3	43.8	45.6	45.4	45.0	46.1	45.5	46.2	45.4	45.0	44.8	44.7	45.0	45.5	46.3	45.0	44.8	0.3	46.6	45.7
Glucosinolate (µmoles/g)	10.9	11.2	10.2	8.1	12.3	9.9	10.0	12.0	10.1	10.8	12.3	14.3	11.5	12.2	11.8	12.2	9.6	11.1	8.4	10.9	14.9	10.7	11.1	11.9	10.8	12.8	12.2	-	9.4	14.0
Status in RL system																														
Year first listed	20	21	20	20	20	19	20	19	19	19	15	21	21	21	21	20	19	20	19	19	20	20	16	19	19	20	20	20	20	20
RL status	P2	P1	P2	P2	P2	-	P2	*	*	*	-	P1	P1	P1	P1	P2	*	P2	*	-	P2	P2	*	*	-	P2	P2	P2	P2	P2

Average LSD (5%)

Described varieties

Hybrid	Hybrid
UK SD	UK HEAR

PionOS	Lemb
Cor	LSPB

97	92
98	92
94	91
94	89

46.6	45.7
9.4	14.0

20	20
P2	P2

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\$ = Specific recommendation for growing on land infected with common strains of clubroot. These varieties should only be used in-line with AHDB clubroot management guidelines, to reduce the risk of resistance breakdown
 † = HEAR (High Erucic Acid) variety
 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 (bayercropscience.co.uk)
 Cor = Corteva Agriscience™ (corteva.co.uk/pioneer)
 Els = Elsoms Seeds (elsoms.com)
 DSV = DSV UK (dsv-uk.co.uk)
 KWSMR = KWS Momont Recherche (kws-uk.com)
 KWS = KWS UK (kws-uk.com)

Lemb = Lembke, Germany
 Lim = Limagrain UK (lgseeds.co.uk)
 LimEur = Limagrain Europe SA (lgseeds.co.uk)
 LSPB = LS Plant Breeding (lspb.eu)
 MonTec = Monsanto Technology LLC (monsanto.com)

NPZ = NPZ-Lembke, Germany (npz.de)
 PionOS = Pioneer Overseas Corporation (corteva.co.uk/pioneer)
 R2n = RAGT, France (ragt.co.uk)
 RAGT = RAGT Seeds (ragt.co.uk)
 SyP = Syngenta Participations AG (syngenta.co.uk)