

AHDB Recommended List - Table 13

Winter oilseed rape 2018/19

Yield, quality, 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

Described varieties

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								Described varieties		
	Alizze	Nikita	V 316 OL ~	Campus	Architect ‡	Mentor \$	DK Secret #	Windozz	Elgar	Flamingo	Wembley	Aquila	Elevation	Kielder	Broadway	Butterfly	Barbados	Anaastasia	SY Harnas	V 324 OL ~	Average LSD (5%)	Ergo †	DK Imagis-CL &
Scope of recommendation	RH	Conv	RH	Conv	RH	RH	RH SD	RH	Conv	Conv	RH	RH	Conv	Conv	Conv	Conv	Conv	RH	RH			RH	RH
Gross output, yield adjusted for oil content (% control)	C							NEW															
United Kingdom (5.4 t/ha)	105	105	105	104	102	99	97	106	106	105	105	104	103	102	100	103	98	101	101	101	4.5	93	92
East/West region (5.4 t/ha)	105	105	105	104	102	99	98	107	107	105	105	105	102	101	99	102	97	[100]	100	101	4.8	94	[92]
North region (5.6 t/ha)	105	105	102	106	99	96	95	[102]	[100]	105	[102]	102	107	107	107	106	106	105	103	102	6.1	92	95
Seed yield (% control)																							
United Kingdom (5.0 t/ha)	105	104	105	104	103	98	99	107	106	104	105	104	103	101	100	103	99	102	102	101	4.2	94	93
East/West region (5.0 t/ha)	105	104	105	103	103	98	99	108	107	104	105	104	102	101	99	102	98	[102]	102	101	4.5	94	[92]
North region (5.2 t/ha)	104	104	102	105	100	95	97	[103]	[100]	104	[103]	103	107	105	106	106	106	105	101	101	5.8	92	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	0.2	8	8
Stem stiffness (1-9)	8	8	8	8	8	9	9	8	8	8	8	8	8	9	8	8	8	7	8	8	0.4	8	8
Shortness of stem (1-9)	6	7	6	6	6	7	9	7	6	7	6	6	7	6	6	7	6	7	6	6	0.2	6	6
Earliness of flowering (1-9)	8	7	7	6	6	7	7	8	7	6	8	7	5	7	6	6	5	6	7	6	0.3	6	5
Earliness of maturity (1-9)	5	5	5	5	6	5	5	5	6	5	6	5	5	5	4	4	4	5	5	5	0.4	5	5
Seed quality (at 9% moisture)																							
Oil content, fungicide-treated (%)	46.0	46.2	45.7	45.7	45.1	46.2	44.5	44.8	45.4	46.2	45.2	45.6	45.8	46.3	45.7	45.7	45.2	44.8	44.4	46.2	0.2	45.4	45.3
Glucosinolate (µmoles/g of seed)	13.0	9.5	12.9	11.2	14.4	10.2	10.7	10.6	10.5	12.0	12.3	12.0	10.6	13.3	8.2	10.2	12.0	11.1	12.3	9.9	-	12.3	11.7
Disease resistance																							
Light leaf spot (1-9)	7	7	6	6	6	6	7	5	7	7	7	6	6	7	7	6	7	6	7	7	0.8	5	6
Stem canker (1-9)	5	4	5	6	5	3	8	5	6	4	5	8	4	3	4	7	7	6	4	4	0.9	4	5

Varieties no longer listed in the East/West region: Amalie, Angus, Arazzo, Fencer, Harper, Incentive, Picto, Popular, SY Harnas, Trinity and Troy

Varieties no longer listed in the North region: Amalie, DK Exentiel, DK Explicit, PT234 and Troy

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (eg 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

C = yield control (for current table)

PT211, PR46W21 and Trinity were also yield controls but are no longer listed

* = variety no longer in trial in region

[] = limited data

Conv = conventional open-pollinated variety

RH = restored hybrid

Sp = specific recommendation

SD = semi-dwarf

~ = HOLL (high oleic, low linolenic) variety

† = HEAR (High Erucic Acid) variety

\$ = Mentor is recommended for growing on land infected with common strains of clubroot; Mentor may, however, be infected by some strains and infections that have been reported in some fields

= semi-dwarf varieties believed to carry the *Bzh* dwarfing gene in the heterozygous state but this has not been verified in RL tests

‡ = Architect has a specific recommendation for its resistance to Turnip Yellowing Virus (TuYV)

& = Clearfield® variety, with tolerance to specific imidazolinone herbicides

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

Recommended for the UK (both East/West and North regions)

Recommended for the East/West region only

Recommended for the North region only

Described varieties

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								Described varieties		
	Alizze	Nikita	V 316 OL ~	Campus	Architect †	Mentor \$	DK Secret #	Windozz	Elgar	Flamingo	Wembley	Aquila	Elevation	Kielder	Broadway	Butterfly	Barbados	Anastasia	SY Harnas	V 324 OL ~	Average LSD (5%)	Elgo †	DK Imagis-CL&
Scope of recommendation	UK	UK	UK	UK	Sp	Sp	UK	E/W	E/W	E/W	E/W	E/W	N	N	N	N	N	N	N	N	-	E/W	N
Breeder/UK contact	C							NEW					NEW								*		
Breeder	R2n	LimEur	Mon	Mom	LimEur	NPZ	MonTec	R2n	Els	Mom	NPZ	LimEur	Pick	Pars	Pick	Mom	Mom	Lim	SyP	DSVMon	-	NPZ	DK
UK contact	RAGT	Lim	Mon	KWS	Lim	LSPB	Mon	RAGT	Els	KWS	LSPB	Lim	DLF	Els	DLF	KWS	KWS	Lim	Syn	Mon	-	LSPB	DK
Annual treated gross output, yield adjusted for oil content (% control) - UK																							
2014 (5.8 t/ha)	103	103	103	101	-	94	93	100	100	101	100	102	-	-	-	-	98	[100]	101	99	-	90	[93]
2015 (6.0 t/ha)	105	103	103	103	102	99	97	105	106	104	103	101	105	103	102	105	[100]	[102]	101	102	-	94	[93]
2016 (4.8 t/ha)	105	107	105	106	98	95	94	104	103	107	102	105	104	105	103	[101]	[104]	101	[102]	-	91	[93]	
2017 (5.4 t/ha)	104	105	100	104	101	99	97	104	101	104	104	102	105	104	102	103	104	101	101	101	-	92	92
Agronomy																							
Plant height (cm)	155	150	160	159	162	151	121	151	154	152	153	158	152	159	153	150	156	151	152	157	3.2	155	164
Status in RL system																							
Year first listed	16	16	15	15	18	15	17	16	16	17	16	17	18	18	18	18	16	13	15	16	-	-	-
RL status	-	P1	-	-	P1	-	P2	-	-	P2	-	P2	P1	P1	P1	P1	-	-	*	*	-	-	-

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 * = variety no longer in trial in region
 [] = limited data

Conv = conventional open-pollinated variety
 RH = restored hybrid
 Sp = specific recommendation
 SD = semi-dwarf
 P1 = first year of recommendation
 P2 = second year of recommendation

~ = HOLL (high oleic, low linolenic) variety
 † = HEAR (High Erucic Acid) variety
 \$ = Mentor is recommended for growing on land infected with common strains of clubroot; Mentor may, however, be infected by some strains and infections that have been reported in some fields
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 Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 95% confidence level

Bay = Bayer CropScience (www.bayercropscience.co.uk)
 BayR = Bayer CropScience Raps (www.bayercropscience.co.uk)
 DK = DEKALB (www.dekalb.co.uk)
 DLF = DLF Trifolium Ltd (www.dlf.co.uk)
 DSV = DSV UK (www.dsv-uk.co.uk)
 DSVMon = DSV UK/Monsanto

Els = Elsoms Seeds (www.elsoms.com)
 KWS = KWS UK (www.kws-uk.com)
 Lant = Lantmannen SW Seed, Sweden
 Lim = Limagrain UK (www.limagrain.co.uk)
 LimEur = Limagrain Europe SA (www.limagrain.co.uk)
 LSPB = LS Plant Breeding (www.lspb.eu)

Mom = Monsanto, France
 Mon = Monsanto UK Ltd (www.monsanto.com)
 MonTec = Monsanto Technology LLC (www.monsanto.com)
 SyP = Syngenta Participations AG (www.syngenta.co.uk)
 Syn = Syngenta UK Ltd (www.syngenta.co.uk)

NPZ = NPZ-Lembke, Germany (www.npz.de)
 Pars = Parsons Seeds Ltd
 Pick = Mike Pickford
 R2n = RAGT, France (www.ragt.co.uk)
 RAGT = RAGT Seeds (www.ragt.co.uk)