

AHDB Recommended List - Table 13

Winter oilseed rape 2019/20

Yield, quality, agronomy and disease resistance



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							
	Aspire ‡	Balad	DK Expansion	Alize	Crome \$	Temptation †	Campus	Nikita	Architect ‡	V 316 OL ~	Mentor \$	PT279CL &	Windozz	PT275	Elgar	Flamingo	George	Wembley	Aquila	Elevation	DK Exsteel	Barbados	Butterfly	Kleider	Anastasia	Broadway		Average LSD (5%)	Ergo †					
Scope of recommendation	UK	UK	UK	UK	Sp	Sp	UK	UK	Sp	UK	Sp	Sp	E/W	E/W	E/W	E/W	E/W	E/W	E/W	Conv	RH	Conv	Conv	Conv	Conv	Conv	N	N	N	N	N	N	RH	E/W
Gross output, yield adjusted for oil content (% treated control)	NEW	NEW	NEW	*C	NEW	NEW	*C	C		*C	*	NEW		NEW		*	NEW	*	*		NEW													
United Kingdom (5.3 t/ha)	104	104	102	102	102	101	101	101	101	100	96	96	104	103	103	102	102	102	101	101	101	99	101	98	98	97	4.5	91						
East/West region (4.9 t/ha)	104	104	102	102	102	102	101	101	101	100	96	96	104	104	103	102	102	102	101	100	100	[99]	100	98	[98]	96	4.9	91						
North region (5.8 t/ha)	106	103	103	100	103	98	102	102	97	98	96	93	[100]	98	[98]	101	99	[101]	98	104	104	102	102	102	101	101	5.7	94						
Seed yield (% treated control)																																		
United Kingdom (5.0 t/ha)	104	103	103	102	101	101	101	100	101	100	96	97	105	103	103	101	102	102	101	101	101	100	100	98	100	97	4.2	91						
East/West region (4.9 t/ha)	104	103	102	102	100	101	101	100	102	101	96	97	105	104	104	102	102	102	101	101	100	[99]	100	97	[99]	97	4.5	91						
North region (5.3 t/ha)	106	103	103	100	102	98	102	102	98	98	95	94	[102]	98	[98]	100	99	[102]	99	104	104	103	102	102	101	102	101	5.3	94					
Untreated gross output, yield adjusted for oil content (% untreated control) ‡																																		
United Kingdom (5.4 t/ha)	-	-	-	101	-	-	100	101	100	101	97	-	101	-	99	100	-	104	99	101	-	98	99	98	97	96	5.6	91						
Untreated seed yield (% untreated control) ‡																																		
United Kingdom (5.1 t/ha)	-	-	-	100	-	-	100	101	101	101	95	-	102	-	100	100	-	104	99	101	-	98	99	98	98	96	5.3	92						
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	0.2	8						
Stem stiffness (1-9)	9	9	8	8	8	7	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	9	8	8	0.4	8						
Shortness of stem (1-9)	7	7	5	6	6	6	6	7	6	6	7	6	7	6	6	6	7	6	6	7	5	6	7	6	7	6	0.2	6						
Earliness of flowering (1-9)	7	7	6	8	7	6	6	7	6	7	7	6	8	6	6	6	7	8	7	5	6	5	6	7	6	6	0.3	6						
Earliness of maturity (1-9)	5	5	5	5	5	5	5	5	6	5	5	6	5	5	6	5	5	6	5	5	5	4	4	4	5	4	0.4	5						
Seed quality (at 9% moisture)																																		
Oil content, fungicide-treated (%)	45.8	45.8	45.4	45.8	46.5	46.0	45.5	46.0	45.0	45.4	46.0	45.0	44.6	45.6	45.1	46.1	45.5	45.2	45.5	45.6	45.5	45.2	45.6	46.0	44.7	45.4	0.2	45.3						
Glucosinolate (µmoles/g of seed)	9.9	10.8	10.1	12.1	10.8	12.0	10.6	8.6	14.4	12.3	10.2	10.9	9.6	8.4	9.6	12.0	9.6	11.4	12.0	10.6	11.9	11.1	10.2	13.3	11.1	8.2	-	12.3						
Disease resistance																																		
Light leaf spot (1-9)	7	6	6	7	6	6	6	7	6	6	6	6	5	6	7	7	6	7	6	6	7	8	7	7	7	7	0.8	5						
Stem canker (1-9)	6	[5]	7	5	[4]	5	6	4	5	5	3	5	5	5	6	4	[8]	5	8	5	8	7	6	3	6	4	1.0	4						

Varieties no longer listed in the UK (both East/West and North regions): DK Secret.
 Varieties no longer listed in the North region: DK Imagis CL, SY Hamas and V 324 OL.
 HEAR (High Erucic Acid) 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).
 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
 Conv = Conventional open-pollinated variety
 RH = Restored hybrid
 C = Yield control (for current table). For this table Trinity was also a yield control but is no longer listed.
 * = Variety no longer in trial in region

‡ = Resistant to Turnip Yellows Virus (TuYV). Architect and Temptation have specific recommendations for this trait.
 \$ = Crome and Mentor are recommended for growing on land infected with common strains of clubroot.
 & = Herbicide tolerant variety. PT279CL has a specific recommendation for tolerance to specific imidazolinone herbicides (a Clearfield® variety).
 ~ = HOLL (High Oleic, Low Linolenic) variety
 † = HEAR (High Erucic Acid) variety
 ‡ = Untreated yield data available for 2017 and 2018 only. Untreated trials are treated for sclerotinia at flowering.
 [] = Limited data

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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Winter oilseed rape 2019/20

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							Described varieties						
	Aspire ‡	Baliad	DK Expansion	Alize	Crome \$	Temptation †	Campus	Nikita	Architect †	‡ 316 OL ~	Mentor \$	PT279CL &	Windozz	PT275	Elgar	Flamingo	George	Wembley	Aquila	Elevation	DK Exsteel	Barbados	Butterfly	Kleider	Anastasia	Broadway		Average LSD (5%)	Ergo †				
UK	UK	UK	UK	Sp	UK	UK	UK	UK	Sp	UK	Sp	Sp	E/W	E/W	E/W	E/W	E/W	E/W	E/W	Conv	RH	Conv	Conv	Conv	Conv	Conv	N	N	N	N	N	RH	E/W
Breeder/UK contact	NEW	NEW	NEW	*C	NEW	NEW	*C	C		*C	*	NEW	NEW		*	NEW		*			NEW												
Breeder	LimEur	KWSMR	MonTec	R2n	NPZ	DSV	KWSMR	LimEur	LimEur	MonTec	NPZ	PionOS	R2n	PionOS	Els	KWSMR	SyP	NPZ	LimEur	Pick	MonTec	KWSMR	KWSMR	Pars	Lim	Pick						NPZ	
UK contact	Lim	KWS	Bay	RAGT	LSPB	DSV	KWS	Lim	Lim	Bay	LSPB	Cor	RAGT	Cor	Els	KWS	Syn	LSPB	Lim	DLF	Bay	KWS	KWS	Els	Lim	DLF					LSPB		
Annual treated gross output, yield adjusted for oil content (% control) - UK																																	
2015 (6.1 t/ha)	-	-	-	102	-	-	101	101	100	100	97	-	103	-	103	102	-	102	99	103	-	[100]	103	100	[100]	99	-					94	
2016 (5.0 t/ha)	103	104	104	100	100	97	102	103	96	100	92	92	101	99	99	102	98	99	100	101	102	[99]	99	100	[100]	100	-					90	
2017 (5.7 t/ha)	106	104	102	101	104	100	102	102	99	97	97	94	102	101	99	102	102	102	100	103	102	102	101	101	99	99	-					92	
2018 (5.4 t/ha)	106	102	102	101	103	102	102	101	100	99	98	96	102	102	99	101	101	102	99	103	102	100	101	97	100	97	-					93	
Agronomy																																	
Plant height (cm)	147	150	166	153	156	154	159	148	162	159	150	156	150	157	155	153	152	153	157	151	167	155	149	159	149	153	2.8					154	
Status in RL system																																	
Year first listed	19	19	19	16	19	19	15	16	18	15	15	19	16	19	16	17	19	16	17	18	19	16	18	18	13	18						-	
RL status	P1	P1	P1	*	P1	P1	*	P2	P2	*	*	P1	-	P1	-	*	P1	*	*	P2	P1	-	P2	P2	-	P2						-	

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 † = HEAR (High Erucic Acid) variety
 [] = 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.

Cor = Corteva Agriscience™ (www.corteva.co.uk/pioneer)
 Bay = Bayer Crop Science (www.bayercropscience.co.uk)
 DLF = DLF Seeds Ltd (www.dlf.co.uk)
 DSV = DSV UK (www.dsv-uk.co.uk)
 Els = Elsoms Seeds (www.elsoms.com)
 KWS = KWS UK (www.kws-uk.com)
 KWSMR = KWS Momont Recherche (www.kws-uk.com)

Lim = Limagrain UK (www.lgseeds.co.uk)
 LimEur = Limagrain Europe SA (www.lgseeds.co.uk)
 LSPB = LS Plant Breeding (www.lspb.eu)
 MonTec = Monsanto Technology LLC (www.monsanto.com)
 NPZ = NPZ-Lembke, Germany (www.npz.de)
 Pars = Parsons Seeds Ltd
 Pick = Mike Pickford

PionOS = Pioneer Overseas Corporation (www.corteva.co.uk/pioneer)
 R2n = RAGT, France (www.ragt.co.uk)
 RAGT = RAGT Seeds (www.ragt.co.uk)
 Syn = Syngenta UK Ltd (www.syngenta.co.uk)
 SyP = Syngenta Participations AG (www.syngenta.co.uk)