

HGCA Recommended List[®]

Winter oilseed rape 2015/16 - East/West Region

YIELD, QUALITY, AGRONOMY AND DISEASE RESISTANCE

Other varieties

	RECOMMENDED	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	C	*	C	*	*	*	*	Described											
	V316 OL	Popular	SY Harnas	Picto	Campus	Incentive	Arazzo	Charger	Fencer	Harper	Mentor \$	Trinity	PT211	Marathon	PR46W21	Rivalda	Sesame	Avatar	DK Cabernet	Compass	DK Camelot	Troy #	Quartz	Fashion	DK Expower	Cracker \$	Average LSD (5%)	DK Imagine CL #&
Variety type	RH	RH	RH	Conv	Conv	RH	RH	Conv	RH	RH	RH	Conv	RH	RH	RH	Conv	Conv	RH	Conv	RH	Conv	RH	Conv	Conv	RH	RH		RH
Scope of recommendation	UK	UK	UK	UK	UK	UK	E/W	E/W	E/W	E/W	Sp	E/W	UK	E/W	E/W	E/W	E/W	E/W	E/W	UK	E/W	Sp	E/W	E/W	UK	Sp		Described
Gross output (yield adjusted for oil content) as % control																												
Fungicide treated (5.3 t/ha)	109	107	107	107	106	106	106	106	105	104	103	103	103	102	102	101	101	101	101	100	100	99	99	99	98	95	4.7	95
Seed yield as % control																												
Fungicide treated (5.0 t/ha)	108	106	108	107	105	105	108	107	103	103	102	103	102	104	101	102	102	100	100	98	99	100	99	99	98	95	4.3	96
Agronomic features																												
Resistance to lodging	8	8	8	[8]	8	8	[8]	8	[8]	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	7	8	0.3	8
Stem stiffness	8	8	7	8	8	8	8	9	8	7	9	8	8	8	8	7	8	7	9	8	6	9	7	8	6	8	0.5	9
Shortness of stem	6	6	7	6	6	6	6	7	6	6	7	7	6	7	6	7	6	7	7	6	8	8	7	6	6	6	0.3	9
Earliness of flowering	7	6	7	6	6	7	8	8	7	7	6	6	6	7	6	7	6	8	5	6	7	6	5	6	8	7	0.4	4
Earliness of maturity	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	4	6	5	5	6	5	5	5	5	6	5	0.4	6
Seed quality (at 9% moisture)																												
Oil content, fungicide treated (%)	46.0	46.0	44.2	44.4	45.6	45.7	43.6	44.0	46.0	45.1	46.0	45.1	45.4	43.9	45.7	44.5	44.2	45.3	45.0	45.8	45.6	44.5	45.0	44.5	44.6	44.4	0.3	44.0
Glucosinolate (µmoles/g of seed)	12.9	10.4	12.3	11.6	11.2	10.1	12.0	10.3	9.0	10.0	10.2	10.0	10.6	10.9	12.6	12.2	12.8	10.1	10.1	9.7	10.5	12.0	10.4	11.9	11.8	10.4		10.6
Disease resistance																												
Light leaf spot	6	6	7	5	6	6	5	4	5	6	5	6	6	5	5	5	6	5	6	6	5	6	5	5	6	7£	0.8	6
Stem canker	6	5	6	5	5	4	4	4	8	8	3	6	5	3	3	5	[4]	4	6	[4]	6	4	9	5	8	4	1.2	5
Status in RL system																												
Year first listed	15	15	15	15	15	14	15	14	15	14	15	14	13	13	09	13	11	13	10	11	12	13	13	10	12	12		-
RL status	P1	P1	P1	P1	P1	P2	P1	P2	P1	P2	P1	P2	-	-	-	-	*	-	-	*	*	-	-	*	*	-		-

Varieties no longer listed in the East/West region: Rhino, Vision, PR45D05 and Cash

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

There is a target plant population of 40 plants per square metre for RL trials.

Maximum seed rates are 70 seeds/sqm for hybrids and 100 seeds/sqm for conventional varieties and may be below these levels if conditions permit.

Glucosinolate contents are taken from the National List trials data.

Yield controls for current table were Excalibur and Vision (both no longer in trial) and PR46W21 and DK Cabernet designated C above.

[] = limited data

Sp = specific recommendation

UK = recommended for both the East/West and North regions

* = variety no longer in trial in region

Conv = conventional open-pollinated variety

E/W = recommended for the East/West region

P1 = first year of recommendation

RH = restored hybrid

P2 = second year of recommendation

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

£ High levels of disease have been observed in Scotland on Cracker and further tests are being undertaken. Growers in Scotland should bear this in mind when considering fungicide inputs.

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

& = 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 5% confidence level.

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Supplementary data

Other varieties



NEW NEW NEW NEW NEW

NEW

NEW

NEW

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Described

	V316 OL	Popular	SY Harnas	Picto	Campus	Incentive	Arazzo	Charger	Fencer	Harper	Mentor \$	Trinity	PT211	Marathon	PR46W21	Rivalda	Sesame	Avatar	DK Cabernet	Compass	DK Camelot	Troy #	Quartz	Fashion	DK Expower	Cracker \$	Average LSD (5%)	DK Imagine CL #&
Variety type	RH	RH	RH	Conv	Conv	RH	RH	Conv	RH	RH	RH	Conv	RH	RH	RH	Conv	Conv	RH	Conv	RH	Conv	RH	Conv	Conv	RH	RH		RH
Scope of recommendation	UK	UK	UK	UK	UK	UK	E/W	E/W	E/W	E/W	Sp	E/W	UK	E/W	E/W	E/W	E/W	E/W	E/W	UK	E/W	Sp	E/W	E/W	UK	Sp		Described
Breeder/ UK contact																												
Breeder	Mon	DSV	Syn	Mom	Mom	LSPB	LSPB	Mom	Bay	BayR	Lemb	Lant	DP	DSV	DP	KWS	LSPB	LSPB	DK	DSV	DK	LSPB	KWS	Lant	DK	LSPB		DK
UK contact	Mon	DSV	Syn	KWS	KWS	DSV	RAGT	KWS	Bay	Bay	LSPB	Els	DP	DSV	DP	KWS	LSPB	LSPB	DK	DSV	DK	DSV	KWS	Sen	DK	LSPB		DK
Annual treated gross output (yield adjusted for oil content) as % control																												
2011 (6.2 t/ha)	-	-	-	-	-	100	-	100	-	104	-	103	101	104	103	100	97	103	103	99	99	102	99	97	100	93	5.3	97
2012 (4.4 t/ha)	[105]	[107]	[103]	[107]	[101]	[111]	[105]	[118]	[102]	[99]	[104]	[100]	104	103	102	102	102	99	100	98	98	100	97	100	94	93	7.0	96
2013 (5.3 t/ha)	104	105	108	107	107	107	106	104	108	105	102	109	106	103	102	101	105	102	101	102	101	98	105	99	97	4.2	95	
2014 (5.4 t/ha)	116	111	110	108	109	110	108	107	105	106	105	99	102	101	101	102	-	101	98	-	101	97	96	-	99	97	5.6	93
Agromony																												
Plant height (cm)	157	150	147	152	154	154	150	139	152	151	148	144	154	145	153	145	154	148	148	156	135	134	139	151	149	155	2.8	126
Harvest method - gross output (yield adjusted for oil content) as % control																												
Swathed (6.0 t/ha)	[106]	[107]	[104]	[105]	[105]	[111]	[103]	[106]	[104]	[104]	[108]	[102]	[103]	[102]	103	101	98	[99]	100	98	98	[96]	[101]	97	98	96	9.2	[90]
Desiccated (5.3 t/ha)	114	110	108	107	107	106	105	105	105	105	104	105	103	103	102	101	102	101	100	100	100	100	99	99	98	95	4.2	97

[] = limited data

Key to Breeder and UK contact codes

Bay = Bayer CropScience (www.baycropscience.co.uk)
 BayR = Bayer CropScience Raps (www.baycropscience.co.uk)
 DK = DEKALB (www.dekalb.co.uk)
 DP = DuPont Pioneer (www.pioneer.com/uk)
 DSV = DSV UK (www.dsv-uk.co.uk)

Els = Elsoms Seeds (www.elsoms.com)
 KWS = KWS UK (www.kws-uk.com)
 Lant = Lantmannen SW Seed, Sweden
 Lemb = Lembe, Germany
 LSPB = LS Plant Breeding (www.lspb.eu)

Mom = Moment, France
 Mon = Monsanto UK Ltd (www.monsanto.com)
 Pick = Mike Pickford
 RAGT = RAGT Seeds (www.ragt.co.uk)

Sen = Senova (www.senova.uk.com)
 Syn = Syngenta UK Ltd (www.syngenta.co.uk)

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