

HGCA Recommended List[®] Winter oilseed rape 2015/16 - North Region

YIELD, QUALITY, AGRONOMY AND DISEASE RESISTANCE																	Other variety		
	RECOMMENDED	NEW	NEW	NEW	NEW	NEW	NEW		*	*	*	NEW	*						
	SY Harnas	DK Explicit	V316 OL	Campus	DK Exentiel	PT234	Anastasia	Incentive	Boheme	Artoga	DK Expower	PT211	Compass	Mentor \$	Catana	Troy #	Cracker \$	Average LSD (5%)	DK Imagis CL &
Variety type	RH	RH	RH	Conv	RH	RH	Conv	RH	Conv	RH	RH	RH	RH	RH	Conv	RH SD	RH		RH
Scope of recommendation	UK	N	UK	UK	N	N	N	UK	N	N	UK	UK	UK	Sp	N	Sp	Sp		Described
Gross output (yield adjusted for oil content) as % control																			
Fungicide treated (5.2 t/ha)	[114]	[111]	[111]	[110]	[109]	[109]	109	109	107	104	103	103	102	[102]	102	100	97	7.7	[108]
Seed yield as % control																			
Fungicide treated (4.7 t/ha)	[114]	[108]	[108]	[108]	[108]	[107]	109	107	104	104	103	102	100	[100]	100	100	97	7.2	[106]
Agronomic features																			
Resistance to lodging	8	7	8	8	8	[8]	8	8	8	8	7	8	8	8	8	8	8	0.3	8
Stem stiffness	7	7	8	8	7	7	8	8	7	7	6	8	8	9	8	9	8	0.6	7
Shortness of stem	7	5	6	6	6	6	7	6	7	6	6	6	6	7	6	8	6	0.3	6
Earliness of flowering	7	6	7	6	7	7	6	7	8	7	8	6	6	6	6	6	7	0.5	6
Earliness of maturity	5	5	5	5	6	6	5	5	6	6	6	5	5	5	5	5	5	0.5	5
Seed quality (at 9% moisture)																			
Oil content, fungicide treated (%)	44.3	45.9	45.5	45.3	44.5	45.5	44.1	45.0	45.4	43.9	44.1	44.9	45.4	45.9	45.3	44.1	44.1	0.6	45.1
Glucosinolate (µmoles/g of seed)	12.3	10.4	12.9	11.2	11.4	10.4	11.1	10.1	11.2	11.6	11.8	10.6	9.7	10.2	14.3	12.0	10.4	-	11.7
Disease resistance																			
Light leaf spot	7	6	6	6	6	6	6	6	6	7	6	6	6	5	7	6	7£	0.8	6
Stem canker	6	8	6	5	8	6	5	4	5	4	8	5	[4]	3	3	4	4	1.2	5
Status in RL system																			
Year first listed	15	15	15	15	15	15	13	14	13	12	13	13	11	15	08	13	11		-
RL Status	P1	P1	P1	P1	P1	P1	-	P2	-	*	*	-	*	P1	*	-	-		-

Varieties no longer listed for the North region: Cuillin, PR45D05, Temple and DK Imagine CL

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 National List trials data.

Yield controls for current table were Excalibur, Vision, PR46W21 and DK Cabernet (none of which are currently recommended for the North)

* = variety no longer in trial in region

[] = limited data

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

P1 = first year of recommendation

Conv = conventional open-pollinated variety

Sp = specific recommendation

P2 = Second year of recommendation

RH = restored hybrid

N = recommended for the North region

\$ = 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.

& = DK Imagis CL is a 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.

® = "HGCA RECOMMENDED LIST" is a registered trademark of the Agriculture and Horticulture Development Board

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SUPPLEMENTARY DATA

	RECOMMENDED	NEW	NEW	NEW	NEW	NEW	NEW			*	*		*	NEW	*						
	SY Harnas	DK Explicit	V316 OL	Campus	DK Exentiel	PT234	Anastasia	Incentive	Boheme	Artoga	DK Expower	PT211	Compass	Mentor \$	Catana	Troy #	Cracker \$	Average LSD (5%)	DK Imagis CL		
Variety type	RH	RH	RH	Conv	RH	RH	Conv	RH	Conv	RH	RH	RH	RH	RH	Conv	RH SD	RH		RH		
Scope of recommendation	UK	N	UK	UK	N	N	N	UK	N	N	UK	UK	UK	Sp	N	Sp	Sp		Described		
Breeder/ UK contact																					
Breeder	Syn	DK	Mon	Mom	Mon	DP	Lim	LSPB	SCP	Lim	DK	DP	DSV	Lemb	DK	LSPB	LSPB		DK		
UK contact	Syn	DK	Mon	KWS	DK	DP	Lim	DSV	Syn	Lim	DK	DP	DSV	LSPB	DK	DSV	LSPB		DK		
Annual treated gross output (yield adjusted for oil content) as % control																					
2011 (5.5 t/ha)	-	-	-	-	-	-	[104]	[106]	[102]	[99]	[109]	[101]	[102]	-	[102]	[105]	[102]	8.5	-		
2012 (4.3 t/ha)	[110]	[103]	[107]	[105]	[109]	[109]	[107]	[107]	[104]	[96]	[97]	[102]	[99]	[104]	[100]	[103]	[95]	13.4	[109]		
2013 (5.0 t/ha)	[110]	[110]	[105]	[104]	[109]	[107]	[113]	[113]	[107]	[111]	[103]	[107]	[105]	[102]	[97]	[99]	[99]	12.0	[105]		
2014 (5.4 t/ha)	[118]	[115]	[115]	[116]	[109]	[110]	[114]	[110]	[114]	[111]	[102]	[104]	-	[101]	[107]	[95]	[91]	8.9	[108]		
Agronomy																					
Plant height (cm)	146	163	157	154	153	150	147	154	149	156	149	154	156	148	150	134	154	3.4	157		
Harvest method - gross output (yield adjusted for oil content) as % control																					
Swathed (5.3 t/ha)	[115]	[112]	[114]	[110]	[116]	[110]	[110]	[120]	[103]	[102]	[107]	[102]	[98]	[100]	[101]	[98]	[98]	13.9	[113]		
Desiccated (5.0 t/ha)	[119]	[118]	[116]	[116]	[109]	[110]	109	108	108	104	102	103	103	[100]	103	101	97	8.7	[105]		

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Key to Breeder and UK contact codes

DK = DEKALB (www.dekalb.co.uk)

DP = DuPont Pioneer (www.pioneer.com/uk)

DSV = DSV UK (www.dsv-uk.co.uk)

KWS = KWS UK (www.kws-uk.com)

Lemb = Lembke, Germany

Lim = Limagrain UK (www.limagrain.co.uk)

LSPB = LS Plant Breeding (www.lspb.eu)

Mom = Momont, France

Mon = Monsanto UK Ltd (www.monsanto.com)

SCP = Syngenta Crop Protection (www.syngenta.co.uk)

Syn = Syngenta UK Ltd (www.syngenta.co.uk)

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