

# HGCA Recommended List<sup>®</sup> winter oilseed rape 2013/14 East/West region

## YIELD, QUALITY, AGRONOMY AND DISEASE RESISTANCE

	RECOMMENDED	New	New	New	New	C		New	New		C*	*	C*	*	*	C*	*	Average LSD (5%)	Other varieties									
	PR46W21	Marathon	PT211	Avatar	Rivalda	DK Cabernet	Sesame	DK Camelot	Troy #	Quartz	Compass	Rhino	DK Expower	Fashion	Thorin #	Excalibur	Dimension	Vision	PR45D05 #	DK Sequoia #	Flash	Cash	Cracker \$		DK Imagine CL #&	Eraton @	V141OL ~	
Variety type	RH	RH	RH	RH	Conv	Conv	Conv	Conv	RH	Conv	RH	RH	RH	Conv	RH	RH	RH	Conv	RH	RH	RH	Conv	RH		RH	RH	Conv	
Scope of recommendation	EW	EW	UK	EW	EW	EW	EW	EW	Sp	EW	UK	EW	UK	UK	Sp	UK	EW	EW	Sp	Sp	UK	EW	Sp		CLEAR	HEAR	HOLL	
<b>Gross output (yield adjusted for oil content) as % control</b>																												
Fungicide treated (5.4 t/ha)	105.5	104.5	104.2	103.9	103.2	103.1	102.8	102.4	102.2	101.9	101.8	101.8	100.9	100.8	100.3	100.0	99.5	99.2	98.2	97.7	97.7	96.8	94.8	4.0	97.1	96.3	87.3	
<b>Seed yield as % control</b>																												
Fungicide treated (5.0 t/ha)	103	105	103	102	103	102	103	101	102	101	100	101	100	101	100	100	97	100	99	98	98	96	95	3.6	98	93	87	
<b>Agronomic features</b>																												
Resistance to lodging	8.1	7.9	8.0	7.5	7.7	8.3	8.1	7.0	8.1	7.6	8.0	7.5	7.0	7.8	8.2	7.3	[8]	7.9	8.4	8.3	7.5	7.7	8.0	0.3	8.3	[8]	[8]	
Stem stiffness	8	8	8	8	7	9	8	7	9	7	8	8	6	8	9	7	8	8	9	9	7	8	8	0.5	9	7	6	
Shortness of stem	6	7	6	6	7	7	6	8	8	7	6	7	7	6	9	7	6	7	9	8	6	7	6	0.3	9	6	7	
Earliness of flowering	7	8	6	8	7	5	6	7	6	5	6	7	7	7	6	8	7	6	6	4	6	6	7	0.4	4	8	6	
Earliness of maturity	5	5	5	6	4	4	4	6	5	5	5	6	6	5	5	7	5	5	5	6	4	6	5	0.5	6	6	6	
<b>Seed quality (at 9% moisture)</b>																												
Oil content, fungicide treated (%)	46.3	44.4	45.6	45.8	44.7	45.3	44.3	45.8	44.8	45.5	46.3	45.2	45.0	44.8	44.9	44.8	46.3	44.1	44.3	44.2	44.5	45.4	44.6	0.34	44.4	47.2	45.2	
Glucosinolate (µmoles/g of seed)	12.6	10.9	10.6	10.1	12.2	10.1	12.8	10.5	12.0	10.4	9.7	10.0	11.8	11.9	11.2	17.4	12.1	13.8	10.1	11.5	13.0	13.1	10.4		10.6	11.0	17.7	
<b>Disease resistance</b>																												
Light leaf spot	4.9	5.1	6.0	4.9	5.1	5.7	6.1	5.3	5.6	4.7	6.3	6.4	5.9	5.7	6.3	6.3	4.9	5.6	6.1	5.9	5.3	4.9	8.0	0.9	5.8	5.4	6.5	
Stem canker	3.7	[3]	[5]	[4]	[5]	5.4	4.1	[5]	[4]	[9]	4.2	4.3	[8]	4.4	[4]	4.1	[5]	5.0	4.4	4.3	4.4	6.9	3.5	1.5	[5]	[5]	[6]	
<b>Status in RL system</b>																												
Year first listed	09	13	13	13	13	10	11	12	13	13	11	11	12	10	12	06	09	09	11	11	08	11	11		-	-	-	
RL status	-	P1	P1	P1	P1	-	-	P2	P1	P1	-	-	P2	-	P2	-	-	-	-	-	-	-	-	-		-	*	*

**Varieties no longer listed in the East/West region:** Palace, Expert, Lioness, ES Astrid, Hammer, PR45D03, Castille and Mendel

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

C = yield control

[ ] = limited data

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

\* = variety no longer in trial in region

Conv = conventional open-pollinated variety

EW = recommended for the East/West region

P1, P2 = first and second year of recommendation

RH = restored hybrid

Sp = specific recommendation

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

# = Troy, Thorin, PR45D05, DK Sequoia and DK Imagine CL are 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

@ = Eraton is a high erucic acid (HEAR) variety

~ = V141OL is a high oleic, low linolenic (HOLL) variety

& = DK Imagine CL is a Clearfield® variety, with tolerance to specific imidazolinone herbicides

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	C		New	New		C*	*	C*	*	*	C*	*							Average LSD (5%)	Other varieties		
	PR46W21	Marathon	PT211	Avatar	Rivalda	DK Cabernet	Sesame	DK Camelot	Troy #	Quartz	Compass	Rhino	DK Expower	Fashion	Thorin #	Excalibur	Dimension	Vision	PR45D05 #	DK Sequoia #	Flash	Cash	Cracker		DK Imagine CL #&	Eraton	V141OL
Variety type	RH	RH	RH	RH	Conv	Conv	Conv	Conv	RH	Conv	RH	RH	RH	Conv	RH	RH	RH	Conv	RH	RH	RH	Conv	RH		RH	RH	Conv
Scope of recommendation	EW	EW	UK	EW	EW	EW	EW	EW	Sp	EW	UK	EW	UK	UK	Sp	UK	EW	EW	Sp	Sp	UK	EW	Sp		CLEAR	HEAR	HOLL
<b>Breeder/ UK contact</b>																											
Breeder	DP	DSV	DP	LSPB	KWS	DK	LSPB	DK	LSPB	KWS	DSV	KWS	DK	LSW	LSPB	DK	DSV	LSW	DP	DK	DSV	KWS	LSPB		DK	LSPB	DK
UK contact	DP	DSV	DP	LSPB	KWS	DK	LSPB	DK	DSV	KWS	DSV	KWS	DK	Sen	LSPB	DK	DSV	Sen	DP	DK	DSV	KWS	LSPB		DK	KWS	DK
<b>Annual treated gross output (yield adjusted for oil content) as % control</b>																											
2009 (5.6 t/ha)	104	-	-	-	105	102	109	105	-	-	103	101	99	101	102	97	99	101	94	97	100	98	95	6.0	-	100	88
2010 (5.5 t/ha)	107	104	106	108	102	102	101	104	101	107	103	103	105	100	100	102	100	98	101	98	97	96	94	6.3	97	100	88
2011 (6.0 t/ha)	105	107	104	106	102	105	99	101	105	102	100	100	103	99	102	103	98	96	96	99	96	95	95	5.0	99	92	-
2012 (4.4 t/ha)	104	104	105	100	104	101	102	100	101	99	100	103	96	101	97	97	-	104	102	95	98	98	94	5.6	96	-	-
<b>Agronomy</b>																											
Plant height (cm)	163	152	160	156	150	153	160	142	139	146	163	149	156	156	130	154	163	153	126	135	163	155	161	3.2	131	158	154
<b>Harvest method - gross output (yield adjusted for oil content) as % control</b>																											
Swathed (5.6 t/ha)	106	103	103	[104]	104	104	104	104	102	104	101	101	102	99	100	100	101	98	94	97	98	98	94	5.6	93	99	88
Desiccated (5.3 t/ha)	106	105	104	104	104	104	103	102	103	101	102	103	101	102	102	100	100	99	101	99	97	98	96	3.6	99	96	88

[ ] = limited data

### Key to Breeder and UK contact codes

DK = DEKALB ([www.dekalb.co.uk](http://www.dekalb.co.uk))

DP = DuPont Pioneer ([www.pioneer.com/uk](http://www.pioneer.com/uk))

DSV = DSV United Kingdom ([www.dsv-uk.co.uk](http://www.dsv-uk.co.uk))

KWS = KWS UK ([www.kws-uk.com](http://www.kws-uk.com))

LSPB = LS Plant Breeding ([www.lspb.eu](http://www.lspb.eu))

LSW = Lantmännen SW Seed AB, Sweden

Sen = Senova ([www.senova.uk.com](http://www.senova.uk.com))

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