

# HGCA Recommended List<sup>®</sup> winter oilseed rape 2012/13 East/West region

## YIELD, AGRONOMY AND DISEASE RESISTANCE

	PR46W21	DK Cabernet	Sesame	DK Camelot	Compass	DK Expower	Rhino	Fashion	Thorin #	Dimension	Excalibur	Palace	Vision	DK Sequoia #	Flash	Cash	Expert	Lioness	PR45D05 #	Es Astrid	Hammer	Cracker \$	PR45D03 #	Castille	Mendel \$	Average LSD (5%)	
Variety type	RH	Conv	Conv	Conv	RH	RH	RH	Conv	RH	RH	RH	RH	Conv	RH	RH	Conv	Conv	Conv	RH	Conv	RH	RH	RH	Conv	RH		
Scope of recommendation	E/W	E/W	E/W	E/W	UK	E/W	E/W	UK	Sp	E/W	UK	UK	E/W	Sp	UK	E/W	E/W	UK	Sp	E/W	E/W	Sp	Sp	E/W	Sp		
<b>Gross output (yield adjusted for oil content) as % control</b>																											
Fungicide treated (5.3 t/ha)	108.8	107.5	106.8	106.3	105.9	105.3	104.8	104.2	104.2	103.0	103.0	102.4	102.2	101.1	100.9	100.3	99.9	99.8	99.4	98.4	98.4	97.3	96.9	93.8	93.5	4.1	
<b>Seed yield as % control</b>																											
Fungicide treated (5.0 t/ha)	106	105	106	104	103	104	103	103	103	100	102	101	102	101	100	98	100	97	100	100	96	97	97	96	94	3.6	
<b>Agronomic features</b>																											
Resistance to lodging	8.1	8.2	8.0	[7]	8.0	[7]	7.4	7.8	[8]	7.9	7.3	7.6	7.7	8.4	7.4	[8]	7.8	8.2	8.6	7.8	8.2	7.8	8.6	7.7	[8]	0.4	
Stem stiffness	9	9	8	7	8	7	7	8	9	8	7	8	8	9	7	8	7	8	9	8	8	8	9	7	9	0.6	
Shortness of stem	6	7	6	8	6	6	7	6	9	6	7	6	7	8	6	7	6	7	9	8	6	6	9	8	6	0.3	
Earliness of flowering	7	5	6	6	6	7	7	7	7	7	8	8	6	4	6	7	6	6	6	4	6	7	5	8	6	0.4	
Earliness of maturity	5	4	4	6	5	6	6	5	5	5	6	5	5	6	4	6	4	5	5	6	5	6	5	6	6	0.6	
<b>Seed quality (at 9% moisture)</b>																											
Oil content, fungicide treated (%)	46.7	45.9	44.6	46.4	46.7	45.6	45.6	45.2	45.3	46.6	45.1	45.4	44.5	44.7	45.0	45.9	44.5	46.5	44.4	43.4	46.2	44.8	44.5	43.2	44.1	0.4	
Glucosinolate (µmoles/g of seed)	12.6	10.1	12.8	10.5	9.7	11.8	10.0	11.9	11.2	12.1	17.4	11.4	13.8	11.5	13.0	13.1	11.5	8.5	10.1	14.0	12.1	10.4	11.2	13.6	12.3		
<b>Disease resistance</b>																											
Light leaf spot	4.7	5.7	6.1	5.6	6.2	5.8	6.2	5.8	6.4	4.9	6.2	7.4	5.6	6.0	5.3	5.0	5.1	5.4	6.1	4.6	5.3	8.7	5.4	4.9	5.1	0.8	
Stem canker	3.9	5.4	4.8	[5]	3.8	[9]	4.7	4.3	[5]	4.7	4.3	4.8	5.6	5.0	4.3	7.2	5.8	4.9	4.3	7.1	6.3	3.6	4.3	6.0	4.7	1.1	
<b>Status in RL system</b>																											
Year first listed	09	10	11	12	11	12	11	10	12	09	06	11	09	11	08	11	04	05	11	05	09	11	09	05	02		
RL status	-	-	P2	P1	P2	P1	P2	-	P1	*	C*	P2	C	P2	C*	P2	*	*	P2	*	*	P2	*	C*	*		

## Other varieties

Eraton @	V141OL ~
RH	Conv
HEAR	HOLL
100	90
95	89
[8]	[8]
8	6
6	7
8	6
6	6
47.6	45.5
11.0	17.7
5	7
[5]	6
-	-
*	*

P1, P2 = first and second year of recommendation

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

C = yield control

RH = restored hybrid

[ ] = limited data

Hybrids are sown in trials at 70 seeds/sqm, conventional varieties at 120 seeds/sqm

\$ = Cracker and Mendel are recommended for growing on clubroot infected land

# = Thorin, DK Sequoia, PR45D05 and PR45D03 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

Average LSD 5%. Varieties that are more than one LSD apart are significantly different at the 5% confidence level

Glucosinolate contents are taken from the National List trials data

**Varieties no longer listed in the East West region:** DK Secure, Excel and NKBravour

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