

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

## North region

### YIELD, AGRONOMY AND DISEASE RESISTANCE

	Compass	Cullin	Fashion	Palace	Artoga	Catana	Excalibur	Flash	Lioness	Cracker \$	Temple	PR45D05 #	Mendel \$	Average LSD (5%)
Variety type	RH	RH	Conv	RH	RH	Conv	RH	RH	Conv	RH	Conv	RH	RH	
Scope of recommendation	UK	North	UK	UK	North	North	UK	UK	UK	Sp	North	Sp	Sp	
<b>Gross output (yield adjusted for oil content) as % control</b>														
Fungicide treated (5.3 t/ha)	107	105	104	104	103	103	103	103	103	103	101	99	94	7.5
<b>Seed yield as % control</b>														
Fungicide treated (5.0 t/ha)	104	103	102	103	103	101	103	102	99	102	99	99	[94]	6.7
<b>Agronomic features</b>														
Resistance to lodging	8	8	8	8	[7]	7	7	7	8	8	[8]	9	[8]	0.5
Stem stiffness	8	8	8	8	7	7	7	7	8	8	8	9	9	0.7
Shortness of stem	6	6	6	6	6	7	7	6	7	6	7	9	6	0.3
Earliness of flowering	6	8	7	8	7	7	8	6	6	7	6	6	6	0.5
Earliness of maturity	5	5	5	5	7	5	6	4	5	6	5	4	6	0.6
<b>Seed quality (at 9% moisture)</b>														
Oil content, fungicide treated (%)	46.3	45.5	45.0	44.8	44.3	45.5	44.1	44.6	46.4	44.4	45.4	44.0	44.0	1.79
Glucosinolate (µmoles/g of seed)	9.7	11.4	11.9	11.4	11.6	14.3	17.4	13.0	8.5	10.4	15.5	10.1	12.3	
<b>Disease resistance</b>														
Light leaf spot	6	9	6	7	7	7	6	5	5	9	7	6	5	0.8
Stem canker	4	4	4	5	5	4	4	4	5	4	5	4	5	1.1
<b>Status in RL system</b>														
Year first listed	11	09	11	12	12	08	06	08	05	12	08	11	02	
RL Status	P2	-	P2	P1	P1	-	C*	C*	*	P1	-	P2	-	

C = yield control P1, P2 = first and second year of recommendation = variety no longer in trial in region  
 [ ] = limited data Conv = Conventional open-pollinated variety RH = restored hybrid  
 Sp = specific recommendation North = recommended for the North Region UK = recommended for both the East & West and North regions  
 Hybrids are sown in trials at 70 seeds/sqm, conventional varieties at 120 seeds/sqm  
 \$ = Cracker & Mendel are recommended for growing on clubroot infected land  
 # = PR45D05 and Thorin are semi-dwarf varieties that is 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  
 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 for the North region:** DK Secure, Emerson, Hornet, NKBravour and NK Grace  
 ® = "HGCA RECOMMENDED LIST" is a registered trademark of the Agriculture and Horticulture Development Board

### Candidates

	PT206	DK Expower	DK Cayenne	Boheme	Raptor	Pendulum	Thorin #	Abaco	DK Camelot
Variety type	RH	RH	Conv	Conv	RH	Conv	RH	Conv	Conv
Scope of recommendation	-	-	-	-	-	-	-	-	-
Gross output (yield adjusted for oil content) as % control									
Fungicide treated (5.3 t/ha)	107	107	106	105	104	104	104	103	103
Seed yield as % control									
Fungicide treated (5.0 t/ha)	[104]	[106]	[106]	[103]	[100]	[102]	[103]	[103]	[101]
Resistance to lodging	[8]	[7]	[8]	[7]	[8]	[8]	[8]	[7]	[7]
Stem stiffness	9	6	8	7	8	8	9	7	7
Shortness of stem	6	6	7	6	6	7	9	7	8
Earliness of flowering	5	8	6	8	6	6	7	8	7
Earliness of maturity	4	6	6	6	5	4	5	6	5
Oil content, fungicide treated (%)	45.5	44.7	44.1	45.4	46.6	45.2	44.6	44.0	45.3
Glucosinolate (µmoles/g of seed)	10.5	11.8	12.8	11.2	9.2	11.1	11.2	10.9	10.5
Light leaf spot	6	6	6	6	6	6	6	7	6
Stem canker	[5]	[9]	[7]	[5]	[6]	[4]	[5]	[4]	[5]

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

## SUPPLEMENTARY DATA

	RECOMMENDED			NEW NEW				NEW						Average LSD (5%)	
	Compass	Cuillin	Fashion	Palace	Artoga	Catana	Excalibur	Flash	Lioness	Cracker	Temple	PR45D05	Mendel		
Variety type	RH	RH	Conv	RH	RH	Conv	RH	RH	Conv	RH	Conv	RH	RH		
Scope of recommendation	UK	North	UK	UK	North	North	UK	UK	UK	Sp	North	Sp	Sp		
<b>Breeder/ UK contact</b>															
Breeder	DSV	KWS	LSW	LSPB	Lim	DK	DK	DSV	DSV	LSPB	Els	Pion	NPZ		
UK contact	DSV	KWS	Sen	LSPB	Lim	DK	DK	DSV	DSV	LSPB	Els	Pion	KWS		
<b>Annual treated gross output (yield adjusted for oil content) as % control</b>															
2008 (5.0 t/ha)	[105]	[111]	[110]	[117]	[103]	[105]	[105]	[109]	[103]	[107]	[101]	[97]	[93]	12.5	
2009 (5.1 t/ha)	[106]	[98]	[100]	-	-	[98]	[101]	[107]	[94]	-	[93]	[89]	[86]	11.4	
2010 (5.5 t/ha)	[111]	[105]	[104]	[100]	[106]	[103]	98	101	[108]	[99]	[104]	[101]	[98]	7.1	
2011 (5.8 t/ha)	[104]	[104]	[102]	[101]	[101]	[104]	[107]	[97]	-	[104]	[101]	[103]	-	9.2	
<b>Agronomy</b>															
Plant height (cm)	167	161	161	165	167	158	157	166	154	164	154	127	159	3.5	
<b>Harvest method - gross output (yield adjusted for oil content) as % control</b>															
Swathed (5.3 t/ha)	[104]	106	[102]	[98]	[106]	101	105	104	[101]	[101]	97	[100]	[92]	12.1	
Desiccated (5.2 t/ha)	110	106	105	[109]	[102]	105	105	102	[101]	[105]	103	100	[93]	7.3	

[ ] = limited data

### Key to Breeder and UK contact codes

Desp = Maison Florimond Desprez, France  
 DK = DEKALB (www.dekalb.co.uk)  
 DSV = DSV United Kingdom (www.dsv-uk.co.uk)  
 Els = Elsoms Seeds (www.elsoms.com)  
 KWS = KWS (www.kws-uk.com)

LSW = Lantmännen SW Seed AB, Sweden  
 Lim = Limagrain UK (www.limagrain.co.uk)  
 LSPB = LS Plant Breeding (www.lspb.eu)  
 NK = NK-Syngenta Seeds (www.oilseedrape.com)

NPZ = NPZ Lembke, Germany  
 Pion = Pioneer Hi-Bred (www.pioneer.com)  
 Sen = Senova (www.senova.uk.com)  
 SSG = Syngenta Seeds, Germany

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

## Candidates

	PT206	DK Expower	DK Cayenne	Boheme	Raptor	Pendulum	Thorin	Abaco	DK Camelot
	RH	RH	Conv	Conv	RH	Conv	RH	Conv	Conv
	-	-	-	-	-	-	-	-	-
	Pion	DK	DK	SSG	DSV	Lim	LSPB	Desp	DK
	Pion	DK	DK	NK	DSV	Lim	LSPB	Els	DK
	-	-	-	-	-	-	-	-	-
	[101]	[107]	[104]	[102]	[105]	[104]	[89]	[105]	[95]
	[112]	[96]	[106]	[106]	[100]	[103]	[108]	[97]	[108]
	[104]	[111]	[105]	[104]	[104]	[103]	[105]	[104]	[101]
	161	159	150	160	165	158	131	154	146
	[106]	[110]	[104]	[104]	[102]	[102]	[104]	[100]	[99]
	[106]	[111]	[107]	[107]	[107]	[106]	[103]	[108]	[103]