

HGCA Recommended List[®]

Winter oilseed rape 2009/10 North region

YIELD, AGRONOMY AND DISEASE RESISTANCE

	P2		P2	P1	P1	P2	*	P2			*C	C	P1	*		Average LSD (5%)	
	Catana	Flash	Cuillin	Emerson	Temple	NKVictory	Hornet	Canti-CS	Lioness	NK-Grace	Excalibur	Toccata	NKBravour	DK-Secure #	Es-Betty	Mendel \$	
Variety type	Conv	RH	RH	RH	Conv	Conv	RH	Conv	Conv	Conv	RH	RH	Conv	RH	RH	RH	
Scope of recommendation	North	UK	North	North	North	North	North	North	UK	North	UK	UK	UK	Sp	North	Sp	
Gross output (yield adjusted for oil content) as % control																	
Fungicide treated (4.7 t/ha)	114	112	111	108	108	107	107	107	107	106	106	105	104	103	102	94	6.3
Untreated as % of treated	[100]	[95]	-	-	[97]	94	[94]	[97]	96	96	92	90	91	-	87	78	9.8
Seed yield as % control																	
Fungicide treated (4.5 t/ha)	112	109	108	107	105	106	106	106	102	105	106	104	103	104	102	94	5.9
Untreated as % of treated	[97]	[97]	-	-	[93]	94	[95]	[97]	94	94	94	91	91	-	89	80	8.9
Agronomic features																	
Resistance to lodging	7	7	8	8	8	8	7	7	8	8	7	7	8	9	7	8	0.5
Stem stiffness	6	7	8	8	8	7	6	7	8	8	7	7	8	9	7	8	0.6
Shortness of stem	7	6	6	6	7	7	6	6	7	7	7	5	7	8	6	6	0.2
Earliness of flowering	7	6	8	7	6	7	5	5	7	7	8	7	7	4	7	6	0.4
Earliness of maturity	5	4	5	5	6	5	5	5	5	5	6	5	5	6	5	6	0.4
Seed quality (at 9% moisture)																	
Oil content of seed, fungicide treated (%)	45.1	44.9	45.4	44.8	45.7	43.9	44.1	43.6	46.7	44.7	43.3	43.8	44.6	43.1	43.4	43.6	0.6
Glucosinolate (µmoles/g of seed)	14.5	12.7	10.4	12.6	15.1	11.4	13.3	12.9	9.4	13.3	20.1	19.5	9.9	12.8	22.1	13.3	1.5
Disease resistance																	
Light leaf spot	7	6	9	9	7	6	6	6	6	6	6	5	6	6	6	5	0.6
Stem canker	4	5	4	4	5	4	5	5	5	5	5	4	5	5	4	5	0.7
Year first listed	08	08	09	09	08	05	07	08	05	06	06	03	05	09	06	02	

P1, P2 = first and second year of recommendation * = variety no longer in trial in region

[] = limited data

C = yield control. Castille and Winner were also control varieties but are not recommended for the region

Conv = Conventional open-pollinated variety RH = restored hybrid

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

\$ = Mendel is recommended for growing on clubroot infected land

= DK-Secure is a semi-dwarf variety that carries the Bzh dwarfing gene in the heterozygous state

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

Varieties no longer Listed for the North region: Barrel, Castille, Disco, ES-Astrid, Fortis, Winner

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Sp = specific recommendation

UK = recommended for both the East and West and N

North = recommended for the North Region

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SUPPLEMENTARY DATA

	P2		P2	P1	P1	P2	*		P2			*C	C	P1	*		Average LSD (5%)
	Catana	Flash	Cullin	Emerson	Temple	NKVictory	Hornet	Canti-CS	Lioness	NK-Grace	Excalibur	Toccata	NKBravour	DK-Secure	Es-Betty	Mendel	
Variety type	Conv	RH	RH	RH	Conv	Conv	RH	Conv	Conv	Conv	RH	RH	Conv	RH	RH	RH	
Scope of recommendation	North	UK	North	North	North	North	North	North	UK	North	UK	UK	UK	Sp	UK	Sp	
Breeder/ UK contact																	
Breeder	DK	DSV	LSPB	LSPB	Els	SSG	DSV	Caus	DSV	SSG	DK	SSG	SSG	DK	Eur	NPZ	
UK contact	DK	DSV	KWS	Nick	Els	NK	DSV	Els	DSV	NK	DK	NK	NK	DK	GSd	KWS	
Annual treated gross output (yield adjusted for oil content) as % control																	
2005 (4.3 t/ha)	[115]	[114]	-	-	[120]	[108]	[111]	[114]	[108]	[108]	[104]	108	[104]	-	[112]	[98]	12.3
2006 (4.9 t/ha)	[127]	[113]	[104]	[104]	[108]	[105]	[102]	[104]	[104]	[105]	[103]	[100]	[105]	[101]	[94]	[87]	13.3
2007 (5.2 t/ha)	[114]	[110]	[107]	[107]	[106]	[102]	[106]	[108]	[106]	[102]	[105]	104	[104]	[104]	[100]	[91]	11.9
2008 (4.5 t/ha)	[114]	[118]	[120]	[115]	[110]	[116]	[114]	[108]	[112]	[110]	[114]	[109]	[107]	[105]	[105]	[101]	9.8
Annual untreated gross output (yield adjusted for oil content) as % control																	
2005 (3.6 t/ha)	-	-	-	-	-	[114]	-	-	[116]	[117]	[105]	[102]	[109]	-	[109]	[92]	16.2
2006 (4.1 t/ha)	-	-	-	-	-	[102]	[101]	-	[109]	[108]	[108]	[101]	[100]	-	[94]	[88]	14.0
2007 (5.0 t/ha)	[118]	[103]	-	-	[105]	[110]	[103]	[114]	[111]	[118]	[101]	[106]	[113]	-	[93]	[84]	5.6
2008 (4.1 t/ha)	[118]	[116]	[131]	[120]	[119]	[114]	[120]	[114]	[116]	[111]	[114]	[113]	[108]	[104]	[109]	[97]	12.7
Harvest method - gross output (yield adjusted for oil content) as % control																	
Swathed (4.6 t/ha)	[108]	[113]	[100]	[105]	[111]	105	105	[110]	103	103	104	103	103	[95]	102	90	10.3
Desiccated (4.9 t/ha)	[122]	[113]	[112]	[107]	[110]	[108]	[111]	[111]	[112]	[108]	[103]	105	[106]	[105]	[102]	[99]	10.1

[] = limited data

Key to Breeder and UK contact codes

Caus = Caussade Semences, France

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

DSV = Deutsche Saatveredelung (www.dsv-uk.co.uk)

Els = Elsoms Seeds (www.elsoms.com)

Eur = Euralis, France

GSd = Grainseed (www.grainseed.co.uk)

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

LSPB = LS Plant Breeding

Nick = Nickerson (www.nickersonseeds.co.uk)

NK = NK - Syngenta Seeds (www.oilseedrape.com)

NPZ = NPZ Lembke, Germany

SSG = Syngenta Seeds, Germany

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