



## HGCA RECOMMENDED LIST® WINTER OILSEED RAPE 2005/06

### YIELD, AGRONOMY AND DISEASE RESISTANCE

	P1	P1	P1	C	P1	P1	P2	P2		C	*	*	C									
	Lioness	NKBravour	Castille	Winner	Es Astrid	NKVictory	Expert	Verona +	Recital	Fortis	Canberra	Tequila	Courage	Escort	Toccata	Royal	Elan	Disco	Mendel \$	Average LSD 5%		
Variety type	Conventional open-pollinated varieties														Hybrid varieties							
Hybrid type															RH	RH	RH	RH	RH			
Scope of recommendation	UK	UK	UK	UK	UK	UK	South	Specific	UK	UK	UK	South	UK	UK	UK	UK	UK	UK	Specific			
Gross output (yield adjusted for oil content) as % control																						
UK fungicide treated (4.7 t/ha)	108	107	105	104	104	104	102	101	100	100	98	97	97	96	104	101	100	100	97	3.6		
North region fungicide treated (4.9 t/ha) #	113	111	105	103	104	108	99	103	102	102	101	96	97	98	105	102	102	97	96	5.1		
South region fungicide treated (4.7 t/ha) #	106	105	105	104	104	101	104	101	99	99	97	97	96	96	103	101	99	101	97	3.8		
Untreated gross output as % treated control in comparable trials																						
UK without fungicide (4.6 t/ha)	-	-	-	93	-	-	87	91	85	88	89	83	89	87	91	87	92	88	82	6.6		
Seed yield as % control																						
UK fungicide treated trials (4.5 t/ha)	104	105	105	104	105	103	103	99	100	100	97	96	96	97	104	103	98	99	97	3.5		
UK without fungicide (3.9 t/ha)	-	-	-	103	-	-	99	101	96	100	99	93	99	99	103	100	103	98	92	6.8		
Agronomic features																						
Resistance to lodging	8	8	8	7	8	8	8	7	7	7	8	8	7	6	7	7	8	7	8	0.6		
Stem stiffness	9	7	7	6	7	7	8	7	6	7	7	9	7	5	8	7	8	7	8	0.7		
Shortness of stem	7	7	8	6	8	7	7	6	7	7	8	7	7	7	5	6	7	6	6	0.3		
Earliness of flowering	7	7	8	8	5	6	5	4	6	6	7	5	6	6	7	7	8	8	6	0.4		
Earliness of maturity	5	5	6	6	6	6	4	4	6	7	5	4	6	6	5	6	6	6	6	0.4		
Seed quality (at 9% moisture)																						
Oil content of seed, fungicide treated (%)	46.5	45.2	43.4	43.7	42.8	43.9	43.2	45.0	43.9	43.3	44.4	44.1	44.0	43.1	43.8	42.4	44.9	44.2	43.8	0.4		
Glucosinolate (micromoles/g of seed)	8.0	8.8	12.7	10.3	13.0	8.7	10.7	9.3	13.3	10.4	11.3	11.4	11.4	13.4	16.6	16.2	10.3	9.4	9.8	0.8		
Disease resistance																						
Light leaf spot	6	6	6	7	6	7	6	7	6	6	7	7	6	7	7	6	8	7	6	0.8		
Stem canker	6	6	7	5	7	4	7	5	6	6	7	6	4	5	5	4	4	5	5	1.1		
Year first listed	05	05	05	02	05	05	04	04	01	00	01	03	02	05	03	01	02	01	02			

P1, P2 = first and second year of recommendation

\* = variety no longer in trial

C = yield control

RH = restored hybrid

# The regional yields include supplementary trials (2001) which may not have received the full fungicide protocol. Comparisons of variety performance across regions are not valid.

Average LSD (least significant difference) 5%. Varieties that are more than one LSD apart are significantly different at the 5% confidence level.

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

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

+ Verona is a specific recommendation for growers who want a late variety to spread harvest.

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

Varieties no longer listed: Lipton, Pronto and Complex

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### SUPPLEMENTARY DATA

	P1	P1	P1	C	P1	P1	P2	P2		C	*	*	C						C		
	Lioness	NKBravour	Castille	Winner	Es Astrid	NKVictory	Expert	Verona	Recital	Fortis	Canberra	Tequila	Courage	Escort	Toccata	Royal	Elan	Disco	Mendel	Average LSD 5%	
Variety type	Conventional open-pollinated varieties														Hybrid varieties						
Breeder	DSV	SSG	Mon	Raps	Eur	SSG	Mom	Dan	SSG	SSG	Mon	Dan	Adv	Lim	SSG	SSG	NPZ	Raps	NPZ		
Agent	Ceb	Syn	Mon	SU	GSd	Syn	Adv	Ceb	Syn	Syn	Mon	Ceb	Adv	Nick	Syn	Syn	CPB	SU	CPB		
Annual treated gross output (yield adjusted for oil content) as % control																					
2001 (4.4 t/ha)	-	-	-	104	-	-	103	102	104	96	97	101	97	98	105	101	103	102	96	6.8	
2002 (5.0 t/ha)	107	105	104	103	102	106	100	101	101	100	99	99	100	96	105	104	103	101	101	4.5	
2003 (5.2 t/ha)	108	110	104	105	102	104	101	102	98	101	94	94	94	95	100	99	96	100	96	4.5	
2004 (4.2 t/ha)	110	107	107	103	107	101	105	99	100	102	103	97	96	98	107	102	100	96	94	4.7	
Annual Untreated gross output (yield adjusted for oil content) as % control																					
2001 (3.8 t/ha)	-	-	-	103	-	-	(92)	(98)	(99)	(100)	(94)	(102)	(97)	101	(102)	(100)	(104)	(97)	(91)	12.4	
2002 (4.3 t/ha)	-	-	-	102	-	-	-	-	95	100	100	97	99	99	106	101	109	99	98	6.9	
2003 (4.7 t/ha)	-	-	-	107	-	-	99	104	96	97	96	91	96	95	97	96	97	101	90	9.3	
2004 (3.8 t/ha)	111	110	104	105	100	107	95	99	96	101	107	88	105	99	106	96	102	95	87	11.8	

() = Limited data

#### Key to Breeder and Agent codes

Adv = Advanta Seeds UK Ltd ([www.advantaseeds.co.uk](http://www.advantaseeds.co.uk))  
 Ceb = Cebeco Seed Innovations Ltd ([info@cebeco-seeds.co.uk](mailto:info@cebeco-seeds.co.uk))  
 CPB = CPB Twyford Ltd ([www.cpb-twyford.co.uk](http://www.cpb-twyford.co.uk))  
 DSV = DSV, Germany  
 Eur = Euralis, France

GSd = Grainseed Ltd ([info@grainseed.co.uk](mailto:info@grainseed.co.uk))  
 Lim = Force Limagrain, France  
 Mom = Momont, France  
 Mon = Monsanto UK Ltd ([www.monsanto-ag.co.uk](http://www.monsanto-ag.co.uk))  
 Nick = Nickerson (UK) Ltd ([www.nickersonuk.com](http://www.nickersonuk.com))  
 NPZ = NPZ Lembke, Germany

Raps = Raps, Germany  
 SSG = Syngenta Seeds GmbH, Germany  
 SU = Saaten Union ([www.saaten-union.co.uk](http://www.saaten-union.co.uk))  
 Sval = Svalöf Weibull, Sweden  
 SW = SW Seed Ltd ([www.swseed.co.uk](http://www.swseed.co.uk))  
 Syn = NK - Syngenta Seeds Ltd ([www.oilseedrape.com](http://www.oilseedrape.com))

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