



HGCA RECOMMENDED LIST WINTER OILSEED RAPE 2004/05

UK YIELD, AGRONOMY AND DISEASE RESISTANCE

	P1	P1		C		P2		C	*	P2		C			*	*	Average LSD	
	Winner	Verona #	Expert	Recital	Fortis	Courage	Tequila	Canberra	Escort	Lipton	Toccata	Royal	Disco	Elan	Mendel \$	Pronto	Complex	5%
Variety type	Conventional open pollinated varieties																VA	
Scope of Recommendation	UK Specific	South	UK	UK	UK	South	UK	UK	North	UK	UK	UK	UK	Specific	UK	North		
Gross output (yield adjusted for oil content) as % control																		
UK fungicide treated (4.5 t/ha)	107	105	104	103	102	101	99	99	98	95	106	104	103	102	100	98	100	4.1
North region fungicide treated (4.5 t/ha) ~	108	106	100	104	104	103	97	101	98	97	108	105	101	104	101	99	105	7.2
South region fungicide treated (4.5 t/ha) ~	107	105	106	102	101	100	100	98	98	95	105	104	104	102	99	97	98	4.2
Untreated gross output as % treated control in comparable trials																		
UK without fungicide	97	-	-	90	92	91	88	90	91	83	95	94	92	98	88	87	90	5.7
Seed yield as % control																		
UK fungicide treated trials (4.3 t/ha)	106	102	105	102	102	100	98	97	98	95	105	106	102	101	99	98	101	3.9
UK without fungicide (3.9 t/ha)	105	-	-	100	102	99	97	99	100	91	105	104	100	105	96	96	100	5.7
Agronomic features																		
Resistance to Lodging	7	8	8	7	7	8	8	7	6	6	8	8	7	7	8	8	8	0.5
Stem stiffness	7	7	8	7	7	7	9	7	5	6	8	7	7	8	8	7	9	0.5
Shortness of stem	6	6	7	7	7	7	7	8	7	7	5	6	6	7	6	6	6	0.3
Earliness of flowering	9	3	5	7	6	6	5	7	6	6	7	7	8	8	6	7	4	0.5
Earliness of maturity	6	3	4	6	7	7	4	5	6	6	5	7	6	6	7	6	5	0.7
Seed quality (at 9% moisture)																		
Oil content of seed, fungicide treated (%)	43.3	44.5	42.5	43.4	42.8	43.8	43.7	44.0	42.8	43.5	43.3	42.1	43.9	44.4	43.4	42.9	42.7	0.5
Glucosinolate (micromoles/g of seed)	11.2	10.3	11.5	15.2	11.3	11.5	12.3	11.9	14.5	11.2	18.2	18.7	10.1	11.0	10.4	10.0	12.9	1.1
Disease resistance																		
Light leaf spot	7	7	6	6	6	6	7	8	7	7	7	6	7	8	6	6	6	0.8
Stem canker	6	6	7	7	5	4	6	7	7	4	5	4	6	5	6	4	4	1.4
Year first listed	02	04	04	01	00	02	03	01	99	97	03	01	01	02	02	97	01	

* Variety no longer in trials

P1, P2 first and second year of recommendation

C = yield controls are Fortis, Escort, Disco and Madrigal

VA = Varietal association. There have been reports of some VAs showing poor pollination and seed set. It is important to follow the seed company advice and to check the mixture when sowing.

Verona is a specific recommendation for growers who want a late variety to spread harvest \$ Mendel is recommended for growing on clubroot infected land.

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

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

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

~ The regional yields include supplementary trials (2000 to 2001) which may not have received the full fungicide protocol. Comparisons of variety performance across regions are not valid.



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SUPPLEMENTARY DATA

	P1	P1		C		P2		C	*	P2		C			*	*	Average LSD 5%	
	Winner	Verona	Expert	Recital	Fortis	Courage	Tequila	Canberra	Escort	Lipton	Toccata	Royal	Disco	Elan	Mendel	Pronto	Complex	
Variety type	Conventional open pollinated varieties																VA	
UK fungicide treated	107	105	104	103	102	101	99	99	98	95	106	104	103	102	100	98	100	4.1
Breeder	Raps	Dan	Mom	SSG	SSG	Adv	Dan	Mon	Lim	DSV	SSG	SSG	Raps	NPZ	NPZ	NPZ	NPZ	
Agent	SU	Ceb	Adv	Syn	Syn	Adv	Ceb	Mon	Nick	Ceb	Syn	Syn	SU	CPB	CPB	CPB	Uoil	
Annual treated gross output (yield adjusted for oil content) as % control																		
2000 (3.9 t/ha)	109	-	-	103	101	115	101	100	99	96	107	108	102	103	99	98	102	6.6
2001 (4.3 t/ha)	107	103	104	107	99	99	103	99	99	94	108	103	104	105	98	99	97	6.7
2002 (4.9 t/ha)	105	103	102	103	102	101	101	101	98	97	107	106	103	105	103	99	103	4.4
2003 (5.0 t/ha)	107	104	103	100	103	96	95	96	96	-	102	101	103	97	98	-	-	3.9
Annual Untreated gross output (yield adjusted for oil content) as % control																		
2000 (3.9 t/ha)	-	-	-	102	101	-	-	99	101	92	-	106	100	-	-	98	100	6.4
2001 (3.8 t/ha)	102	-	-	100	100	98	-	95	100	90	-	101	98	105	92	95	95	14.8
2002 (4.2 t/ha)	104	-	-	97	102	101	100	102	102	91	108	103	101	112	100	94	100	7.8
2003 (4.6 t/ha)	110	106	102	99	99	99	93	98	97	-	99	99	104	99	93	-	-	9.9

Key to Breeder and Agent codes

Adv = Advanta Seeds UK Ltd (www.advantaseeds.co.uk)

Ceb = Cebeco Seed Innovations Ltd (info@cebeco-seeds.co.uk)

CPB = CPB Twyford Ltd (www.cpb-twyford.co.uk)

Dan = Danisco Seed UK Ltd. (www.daniscoseed.com)

Ebb = John Ebbage Seeds Ltd (WWW.johnnebbageseeds.co.uk)

DSV = DSV, Germany

Lim = Force Limagrain, France

Mom = Momont, France

Mon = Monsanto UK Ltd, PBIC Seeds (www.monsanto-ag.co.uk)

Nick = Nickerson (UK) Ltd (www.nickersonuk.com)

Raps = Raps, Germany

Sera = Serasem, France

SSG = Syngenta Seeds GmbH, Germany

SU = Saaten Union (www.saaten-union.co.uk)

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

NPZ = NPZ Lembke, Germany

Uoil = United Oilseeds Marketing Ltd