



HGCA

RECOMMENDED LIST

WINTER OILSEED RAPE 2003

	P2	P2	P1	C	*	C	C	*	*		P1	P2	P2	*	*	C*	*	C*	*	*	Average LSD 5%			
Variety type	Winner	Recital	Courage	Tequila	Canberra	Fortis #	Shannon	Escort	Madrigal	Lipton	Herald	Toccata	Royal	Elan	Disco	Mendel \$	Spirit	Cohort	Pronto	Agenda	Gemini	Complex	Synergy	
Hybrid type	Conventional varieties											Hybrid varieties							Varietal associations					
Scope of Recommendation	UK	UK	UK	South	UK	UK	South	UK	UK	North	UK	RH	RH	RH	RH	RH	TC	3H	RH	UK	UK	North	North	
Treated gross output (yield adjusted for oil content) as % control																								
United Kingdom (4.37 t/ha)	107	103	103	102	101	100	99	99	98	97	95	108	107	105	105	102	101	101	100	103	103	102	99	
North region (4.35 t/ha) ~	106	104	105	96	100	101	93	97	97	97	95	109	106	106	103	103	102	101	100	104	105	105	104	7.6
South region (4.32 t/ha) ~	108	103	102	103	101	100	101	100	98	97	94	108	108	104	105	101	101	102	99	103	102	100	97	3.6
Untreated gross output as % treated control in comparable trials																								
UK without fungicide	93	88	89	-	89	88	80	88	87	81	79	-	92	98	90	88	87	86	86	87	87	88	83	
Seed yield as % control																								
UK fungicide treated trials (4.20 t/ha)	106	102	101	100	99	100	98	99	98	95	95	107	107	102	103	100	102	101	99	104	104	101	99	3.0
UK without fungicide (3.84 t/ha)	104	101	101	-	100	102	91	100	99	92	92	-	107	110	100	100	100	99	99	101	101	102	96	
Seed quality (at 9% moisture)																								
Oil content of seed, fungicide treated (%)	43.4	43.5	44.0	43.9	44.0	42.9	43.5	43.1	42.9	43.7	42.1	43.5	42.4	44.5	43.9	43.5	42.2	42.9	42.9	42.0	41.9	42.9	43.1	0.5
Glucosinolate content of seed (micromoles/g)	12.0	16.4	12.5	12.9	12.9	12.7	11.9	15.3	16.0	12.0	12.9	18.9	19.7	11.6	10.7	11.1	16.6	19.8	10.8	15.4	15.0	13.5	12.8	1.1
Agronomic features																								
Resistance to Lodging	7	6	8	8	7	7	8	6	6	7	6	7	8	8	7	8	8	7	8	7	7	8	8	0.5
Stem stiffness	6	6	7	9	7	7	7	5	5	6	6	8	7	8	7	9	7	7	7	7	7	8	8	0.5
Shortness of stem	6	7	7	7	8	7	7	7	7	7	7	5	6	7	6	6	6	6	6	6	5	5	6	0.3
Earliness of flowering	8	7	6	5	7	6	5	6	6	6	6	7	7	9	8	6	6	7	7	6	6	4	6	0.6
Earliness of maturity	5	6	7	4	6	6	4	6	6	5	8	5	7	7	6	7	6	6	7	5	5	5	5	0.9
Disease resistance																								
Light leaf spot	7	6	7	7	8	6	4	7	6	7	6	7	6	8	7	6	6	7	6	8	8	7	5	
Stem canker	6	8	4	7	8	5	6	7	6	4	5	5	4	5	7	6	3	5	4	5	6	5	4	
Year first listed	02	01	02	03	01	00	01	99	98	97	97	03	01	02	01	02	01	00	97	01	99	01	96	

RH = restored hybrid

TC = Top cross

3H = 3-way hybrid

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

P1, P2 first and second year of recommendation

* Variety no longer in trials

C = yield control

Fortis was called Fortress

\$ 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

There have been reports of some varietal associations showing poor pollination and seed set. It is important to follow the seed company agronomy advice and to check the seed mixture when sowing.

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

~ The regional yields include supplementary trials (1998 to 2001) which may not have received the full fungicide protocol. Comparisons of variety performance across regions are not valid.



WINTER OILSEED RAPE 2003 SUPPLEMENTARY DATA

Variety type	P2	P2	P1		*	*	*				P1	P2	P2	*	*	*	*	*	*	*	LSD 5%			
	Winner	Recital	Courage	Tequila	Canberra	Fortis #	Shannon	Escort	Madrigal	Lipton	Herald	Toccata	Royal	Elan	Disco	Mendel \$	Spirit	Cohort	Pronto	Agenda		Gemini	Complex	Synergy
	Conventional varieties											Hybrid varieties							Varietal associations					
UK fungicide treated (4.37 t/ha)	107	103	103	102	101	100	99	99	98	97	95	108	107	105	105	102	101	101	100	103	103	102	99	
Breeder	Raps	Nov	Adv	Dan	Mon	Nov	Nick	Lim	Nov	DSV	Dan	Nov	Nov	Lemb	Raps	Lemb	Nov	Mon	Lemb	CPB	CPB	CPB	Sera	
Agent	SU	Syn	Adv	Dan	Mon	Syn	Nick	Nick	Syn	DLF	Dan	Syn	Syn	CPB	SU	CPB	Syn	Mon	CPB	CPB	CPB	CPB	CPB	
Annual treated gross output (yield adjusted for oil content) as % control																								
1999 (4.68 t/ha)	*	100	101	*	99	98	103	99	97	96	92	*	109	104	108	104	103	102	102	101	105	101	101	5.1
2000 (3.83 t/ha)	110	104	116	102	101	102	100	100	98	97	94	108	109	104	103	99	103	100	99	102	101	103	97	6.8
2001 (4.13 t/ha)	108	108	99	104	100	99	97	101	99	94	97	109	103	106	105	99	99	103	99	104	103	98	98	6.1
2002 (4.85 t/ha)	105	103	102	101	101	102	98	98	98	97	95	108	106	105	103	103	100	101	100	104	102	103	101	4
Annual Untreated gross output (yield adjusted for oil content) as % control																								
UK without fungicide, % untreated (3.94 t/ha)	106	101	103	102	102	101	92	101	99	93	90	111	106	112	103	100	100	99	99	100	99	101	95	6
UK without fungicide, % treated at same sites (4.52 t/ha)	93	88	89	89	89	88	80	88	87	81	79	97	92	98	90	88	87	86	86	87	87	88	83	
1999 (4.09 t/ha)	*	*	*	*	*	*	*	98	100	95	91	*	*	*	*	*	*	*	102	*	101	*	100	
2000 (3.83 t/ha)	*	103	*	*	99	102	93	101	100	93	91	*	107	*	101	*	95	98	99	96	98	101	94	6.5
2001 (3.86 t/ha)	103	101	99	(100)	96	102	95	101	102	91	91	(100)	102	106	99	94	99	99	98	102	98	96	94	13.3
2002 (4.14 t/ha)	107	99	104	102	104	105	87	104	97	93	91	111	106	114	104	103	99	96	96	102	99	103	96	7.7
Agronomic features																								
Plant height (cm)	161	153	154	152	145	155	154	157	157	157	153	173	164	159	163	162	169	168	162	169	174	171	168	2.8

Key to Breeder and Agent codes

Adv = Advanta Seeds UK (www.advantaseeds.co.uk)
 CPB = CPB Twyford Ltd (www.cpb-twyford.co.uk)
 Dan = Danisco Seed UK Ltd. (www.daniscoseed.com)
 DLF = DLF Perryfields

DSV = DSV, Germany
 Lemb = Lembke, Germany
 Lim = Force Limagrain, France
 Mon = Monsanto, PBIC Seeds (www.monsanto-ag.co.uk)
 Nick = Nickerson (UK) Ltd (www.nickersonuk.com)

Nov = Novartis, Germany
 Raps = Raps, Germany
 Sera = Serasem, France
 SU = Saaten Union (www.saaten-union.co.uk)
 Syn = Syngenta Seeds (www.syngenta-crop.co.uk)