

# HGCA Recommended List<sup>®</sup> Winter oilseed rape 2014/15 - North Region

## YIELD, QUALITY, AGRONOMY AND DISEASE RESISTANCE

Other variety

	NEW															
	Incentive	Anastasia	PT211	Boheme	Compass	Troy #	Pendulum	DK Expower	Artoga	Temple	Catana	PR45D05 #	Cuilin	Cracker \$	Average LSD (5%)	DK Imagine CL #8
Variety type	RH	Conv	RH	Conv	RH	RH	Conv	RH	RH	Conv	Conv	RH	RH	RH		RH
Scope of recommendation	UK	North	UK	North	UK	Sp	North	UK	North	North	North	Sp	North	Sp		Described
<b>Gross output (yield adjusted for oil content) as % control (5.2 t/ha)</b>																
Fungicide treated	[107]	105.8	103.3	103.1	102.9	102.5	102.0	101.1	100.9	100.3	99.5	99.0	98.3	97.1	5.7	96.4
<b>Seed yield as % control (4.9 t/ha)</b>																
Fungicide treated	[106]	106	102	102	101	102	101	101	101	99	98	100	98	97	5.3	98
<b>Agronomic features</b>																
Resistance to lodging	8	8	8	[7]	8	8	[8]	7	[7]	[8]	[8]	8	[8]	8	0.3	8
Stem stiffness	8	8	8	7	9	9	8	6	7	8	8	9	8	8	0.6	9
Shortness of stem	6	7	6	6	6	8	7	7	6	7	6	9	6	6	0.3	9
Earliness of flowering	7	6	6	8	6	6	6	8	6	6	6	6	8	7	0.5	4
Earliness of maturity	5	5	5	6	5	5	5	6	6	6	5	5	5	5	0.5	6
<b>Seed quality (at 9% moisture)</b>																
Oil content, fungicide treated (%)	44.9	44.1	45.0	45.3	45.6	44.4	45.0	44.2	43.9	45.4	45.4	43.6	44.7	44.1	0.6	43.1
Glucosinolate (µmoles/g of seed)	10.1	11.1	10.6	11.2	9.7	12.0	11.1	11.8	11.6	15.5	14.3	10.1	11.4	10.4	-	10.6
<b>Disease resistance</b>																
Light leaf spot	6	6	6	7	6	6	6	6	7	7	7	6	8	8	1.2	6
Stem canker	[4]	[5]	[5]	5	[4]	[4]	3	8	[4]	5	3	4	[4]	[4]	1.3	[5]
<b>Status in RL system</b>																
Year first listed	14	13	13	13	11	13	13	13	12	08	08	11	09	11		-
RL Status	P1	P2	P2	P2	*	P2	P2	P2	-	*	*	*	*	-		-

Varieties no longer listed for the North region: Excalibur, Fashion, Flash, PT208, Raptor, Shot

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

There is a target plant population of 40 plants per square metre for RL trials.

Maximum seed rates are 70 seeds/sqm for hybrids and 100 seeds/sqm for conventional varieties and may be below these levels if conditions permit.

Glucosinolate contents are taken from National List trials data.

C = yield control (DK Cabernet, Excalibur, PR46W21 and Vision were the yield controls, but are not recommended for the North region)

\* = variety no longer in trial in region

[ ] = limited data

UK = recommended for both the East/West and North regions

P1, P2 = first and second year of recommendation

Conv = conventional open-pollinated variety

Sp = specific recommendation

RH = restored hybrid

North = recommended for the North region

\$ = Cracker is recommended for growing on land infected with common strains of clubroot. It may, however, be infected by some strains and infections have been reported in some fields.

# = Troy, PR45D05, DK Imagine CL are semi-dwarf varieties that are believed to carry the Bzh dwarfing gene in the heterozygous state but this has not been verified in RL tests.

& = DK Imagine is an example of a Clearfield® variety, with tolerance to specific imidazolinone herbicides

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

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

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## SUPPLEMENTARY DATA

Other variety

	NEW															
	Incentive	Anastasia	PT211	Boheme	Compass	Troy #	Pendulum	DK Expower	Artoga	Temple	Catana	PR45D05 #	Cuillin	Cracker \$	Average LSD (5%)	DK Imagine CL #&
Variety type	RH	Conv	RH	Conv	RH	RH	Conv	RH	RH	Conv	Conv	RH	RH	RH		RH
Scope of recommendation	UK	North	UK	North	UK	Sp	North	UK	North	North	North	Sp	North	Sp		Described
<b>Breeder/ UK contact</b>																
Breeder	LSPB	Lim	DP	SCP	DSV	LSPB	Lim	DK	Lim	Els	DK	DP	KWS	LSPB		DK
UK contact	DSV	Lim	DP	Syn	DSV	DSV	Lim	DK	Lim	Els	DK	DP	KWS	LSPB		DK
<b>Annual treated gross output (yield adjusted for oil content) as % control</b>																
2010 (5.8 t/ha)	-	[98]	[103]	[101]	[107]	[99]	[98]	[92]	[102]	[100]	[99]	[97]	[102]	[96]	6.9	[90]
2011 (5.5 t/ha)	[104]	[105]	[102]	[102]	[101]	[107]	[100]	[109]	[98]	[98]	[101]	[100]	[102]	[102]	8.3	[103]
2012 (4.2 t/ha)	[108]	[108]	[103]	[104]	[100]	[103]	[106]	[97]	[97]	[104]	[101]	[100]	[93]	[96]	10.8	[97]
2013 (5.3 t/ha)	[110]	[111]	[105]	[105]	[103]	[97]	[101]	[101]	[108]	-	[95]	-	[93]	[94]	9.3	[89]
<b>Agronomy</b>																
Plant height (cm)	156	148	157	153	159	136	152	152	159	149	155	123	156	157	3.3	129
<b>Harvest method - gross output (yield adjusted for oil content) as % control</b>																
Swathed (5.2 t/ha)	-	[105]	[103]	[104]	[105]	[104]	[104]	[109]	[104]	[99]	[102]	[101]	[103]	[99]	9.7	[94]
Desiccated (5.2 t/ha)	107	107	104	104	103	103	102	100	100	102	100	99	97	98	5.3	98

[ ] = limited data

### Key to Breeder and UK contact codes

DK = DEKALB ([www.dekalb.co.uk](http://www.dekalb.co.uk))

DP = DuPont Pioneer ([www.Pioneer.com/uk](http://www.Pioneer.com/uk))

DSV = DSV United Kingdom ([www.dsv-uk.co.uk](http://www.dsv-uk.co.uk))

Els = Elsoms Seeds ([www.elsoms.com](http://www.elsoms.com))

KWS = KWS UK ([www.kws-uk.com](http://www.kws-uk.com))

Lim = Limagrain UK ([www.limagrain.co.uk](http://www.limagrain.co.uk))

LSPB = LS Plant Breeding ([www.lspb.eu](http://www.lspb.eu))

SCP = Syngenta Crop Protection ([www.syngenta.co.uk](http://www.syngenta.co.uk))

Syn = Syngenta Seeds ([www.syngenta.co.uk](http://www.syngenta.co.uk))

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