

Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

DG408RR FEATURES:

Maturity	Early-Mid
Seedling Vigour	Very Good
Plant Height	Medium - Standability Excellent
Blackleg Rating	R-MR (With Jockey, Blackleg Grouping AC)
Yield	High (Refer data)
Oil	Very High (Highest oil across all RR Hybrids)
Alternate To	43Y23RR, Hyola404RR, 44Y27RR, GT42, IH30RR

2016 Eastern Australia Early & Mid Season Roundup Ready® NVT Trial Results

State Region Nearest Town	NSW N/W Trangie	NSW S/E Temora	NSW S/W Beckom	VIC Mallee Hopetoun	VIC Mallee Ultima	VIC North Central Diggora	VIC North Central Charlton	VIC Wimmera Minyip	AVERAGE	
Variety Name	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	Oil %
DG 408RR	1.75	1.93	2.89	2.64	2.89	3.59	4.29	4.26	3.03	47.7
Hyola 404RR	1.22	1.9	2.37	2.48	2.53	3.48	3.7	4.14	2.73	47.4
InVigor R 3520	1.45	1.93	1.97	2.98	2.98	2.93	3.57	4.01	2.73	46.0
Nuseed GT42	1.39	1.92	2.54	2.6	2.94	3.67	4.25	4.33	2.96	44.8
Pioneer 43Y23 (RR)	1.65	2.17	2.95	2.69	2.86	-	3.66	4.66		43.5
Pioneer 44Y27 (RR)	1.73	2.26	2.98	2.98	3.28	3.74	3.88	4.81	3.21	44.8
Site Mean (t/ha)	1.61	2.03	2.58	2.63	2.86	3.53	3.79	4.4		
CV (%)	11.1	6.53	7.52	4.73	3.42	5.94	5.95	5.7		
LSD (t/ha)	0.3	0.23	0.32	0.21	0.17	0.35	0.39	0.41		

All 2016 NVT trials that contained varieties compared



Robert Christie (South East Territory Manager - Seednet) in vigorous DG 408RR flowering strip trial at Ledcourt, Victoria 2017.



Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

Gross Income Calculator

2016 data from 8 common Early and Mid season NVT sites in Eastern Australia

Variety	Yield	Indicative seed cost \$/kg	Seed rate	Grain Price	Seed Cost	Oil	Gross Income (less seed cost)	Oil/Admix & bonification as per AOF standards Base Oil 42%	Income
	t/ha	\$/kg	kg/ha	\$/tonne	\$/ha	%	\$/ha	\$/ha	\$/ha
DG 408RR	3.03	34.00	2.5	\$ 500	85	47.7	\$ 1,430	\$ 121.73	\$ 1,551.73
Hyola 404RR	2.73	34.00	2.5	\$ 500	85	47.4	\$ 1,279	\$ 103.10	\$ 1,381.85
InVigor R 3520	2.73	34.00	2.5	\$ 500	85	46.0	\$ 1,279	\$ 76.96	\$ 1,355.71
Nuseed GT-42	2.96	34.00	2.5	\$ 500	85	44.8	\$ 1,393	\$ 57.55	\$ 1,450.05
Pioneer 44Y27 (RR)	3.21	34.00	2.5	\$ 500	85	44.8	\$ 1,519	\$ 64.36	\$ 1,583.11
Crop	\$/t								
Canola	\$ 500								

2016 Landmark PD Trial Results

Nearest Town	Horsham	Lake Bolac	AVERAGE	AVERAGE	AVERAGE
Variety Name	t/ha	t/ha	t/ha	oil %	Days to flowering
DG 408RR	3.00	4.23	3.62	53.84	106
HYOLA404RR	2.83	3.22	3.03	53.13	105
43Y23RR	3.15	4.21	3.68	49.75	106
44Y24RR	2.65	3.41	3.03	50.03	108
45Y25RR	2.76	3.96	3.36	51.58	111
IH30RR	2.74	3.34	3.04	49.99	98
GT50	3.59	3.72	3.66	51.40	106

All 2016 PD Landmark trials that contained varieties compared



Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

2013-2015 Yield, Agronomic And Quality Information From 30 R&D Locations In Eastern Australia

Name	Yield (t/ha)	Days to flowering	Days to end of flowering	Plant height (cm)	Oil %
DG 408RR	2.15	108	149	124	45.34
45Y22RR Treated	2.03	116	153	129	42.78
HYOLA404RR Treated	2.06	109	149	130	44.54
S.E	0.06				
CV%	11.3				
LSD (5%)	0.11				

2015 R&D Yield Trials In Eastern Australia

Name	Lake Bolac	Diggora	Wagga Wagga	Minyip	Temora
DG 408RR	1.09	1.29	1.16	1.76	2.17
HYOLA404RR Treated	1.12	1.23	1.17	1.13	2.32
site mean	1.09	1.12	1.27	1.4	2.24
LSD (5%)	0.16	0.12	0.27	0.26	0.18

2014 R&D Yield Trials In Eastern Australia

Name	West Wyalong	Minyip	Grenfell	Wagga Wagga	Lake Bolac	Temora	Parke	Diggora	Horsham	Yarrawonga
DG 408RR	1.62	1.56	2.64	2.66	2.31	2.5	2.68	3.84	3.82	4.24
HYOLA404RR Treated	1.56	1.52	1.96	2.38	2.44	2.75	2.43	3.65	4.24	4.17
site mean	1.41	1.51	2.24	2.24	2.33	2.34	2.42	3.68	4.09	4.10
LSD (5%)	0.26	0.30	0.27	0.18	0.33	0.20	0.21	0.31	0.46	0.40

2013 R&D Yield Trials In Eastern Australia

Name	Bellata	Croppa Creek	Temora	Grenfell	Gunnedah	Wagga Wagga	West Wyalong	Parke	Minyip	Lake Bolac	Culcairn	Yarrawonga	Gilgandra	Diggora	Frances	Horsham
DG 408RR	1.09	1.12	1.52	1.34	1.23	1.77	1.8	1.86	2.07	2.25	2.27	2.5	2.74	2.84	2.5	2.88
Hyola404RR Treated	0.98	0.84	1.49	1.39	1.71	1.82	1.65	1.85	2	2.46	1.98	2.13	2.82	2.72	2.13	2.82
site mean	0.9	0.9	1.4	1.46	1.47	1.59	1.66	1.67	1.9	2.22	2.27	2.34	2.53	2.66	2.71	2.87
LSD (5%)	0.15	0.21	0.09	0.29	0.37	0.25	0.17	0.1	0.12	0.25	0.28	0.28	0.13	0.27	0.24	0.19



Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

Currently registered canola seed treatment fungicides and their activity on a range of diseases

Fungicides	Jockey ®	Maxim XL®	Evergol Xtend ®	Flutriafol IF
Use rate	2L/100kg	400mL/100kg	65mL/100kg	200mL/ha
Blackleg	suppression	suppression	x	Y
Downey Mildew	x	Y	x	x
Pythium	x	Y	x	x
Rhizoctonia	x	Y	Y	x
Fusarium	x	x	Y	x

Currently registered canola seed treatment insecticides and their activity on a range of insects.

Insecticide	Gaucho	Cruiser Opti	Poncho Plus	Cosmos
Use rate	400mL/100kg	1000mL/100kg	500mL/100kg	400mL/100kg
Aphids	3-4 wks	4-5 wks	3-4 wks	x
Red-legged earth mite	3-4 wks	supp 4-5 wks	3-4 wks	Y
Lucerne flea	3-4 wks	supp 4-5 wks	suppression	x
Blue oat mite	x	x	3-4 wks	x
Cutworm	x	x	3-4 wks	x
Wireworm	x	x	3-4 wks	x

Treatment Recommendation

Landmark recommends DG408RR be treated with Maxim XL, Poncho Plus and Awaken ST with the addition of Intake® Hi-Load Gold (Flutriafol 500g/L) on your cropping fertiliser or via a liquid system.

Fungicides

Maxim XL has activity on key disease including Blackleg, Downey Mildew, Pythium and Rhizoctonia whilst Intake Hi-Load will protect against Blackleg

Insecticides

Poncho Plus provides 3-4 week protection against Aphids, Red Legged Earth Mite, Blue Oat Mite, Cutworm and Wireworm with suppression on Lucerne Flea. Anecdotal evidence suggests that Poncho Plus covers more pests than claimed on its label.

Nutritional

Landmark have been trialing Loveland's Awaken ST for a number of seasons and we continually see yield increases from this product. Over 21 plot trials in WA with yields ranging from 1.45-2.48t/ha we have seen an average yield increase of 3.4% with over 80% delivering a yield benefit.

For more information contact: Robert Christie 0427 340 608, Dr Wayne Burton 0417 056 871, visit www.landmark.com.au or talk to your local Landmark Agronomist.

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DG408RRWA001

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Roundup Ready® Hybrid Canola

DG408RR FEATURES:

Maturity	Early-Mid
Seedling Vigour	Very Good
Plant Height	Medium - Standability Excellent
Blackleg Rating	R-MR (With Jockey, Blackleg Grouping AC)
Yield	High (Refer data)
Oil	Very High (Highest oil across all RR Hybrids)
Alternate To	43Y23RR, Hyola404RR, 44Y24RR, GT42, IH30RR

2016 WA Early & Mid Season Roundup Ready® NVT Trial Results

Region Nearest Town	Agzone1 Mingenew	Agzone1 Greenough	Agzone2 Bolgart	Agzone2 Cunderdin	Agzone2 Dandaragan	Agzone2 Nyabing	Agzone2 Corrigin	Agzone2 Buntine	Agzone4 Kellerberrin	Agzone5 Jerramungup	AVERAGE	
Variety Name	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	Oil %
DG 408RR	3.04	3.33	3.15	2.25	2.75	1.92	2.67	2.26	2.39	1.93	2.57	47.97
Hyola 404RR	2.95	3	2.93	1.76	2.81	1.6	2.55	2.01	2.34	1.67	2.36	47.18
IH30 RR	2.89	2.91	2.86	1.92	2.4	1.7	2.65	1.79	2.52	1.56	2.32	45.50
Nuseed GT-42	2.85	3.17	3.15	1.52	2.9	1.52	2.11	2.01	2.04	1.41	2.27	44.32
Pioneer 43Y23 (RR)	3.05	2.91	3.54	1.89	2.71	1.71	2.7	2.15	2.57	1.74	2.50	42.93
Pioneer 44Y24 (RR)	3.01	3.5	3.2	1.93	2.78	1.85	2.63	2.1	2.47	1.95	2.54	45.00
Pioneer 44Y27 (RR)	3.08	3.74	3.51	2.04	3.01	2.01	2.73	2.18	2.61	2.02	2.69	45.73

All 2016 NVT trials that contained varieties compared

2016 WA Early & Mid Season OIL

Region Nearest Town	Agzone1 Mingenew	Agzone1 Greenough	Agzone2 Corrigin	Agzone2 Buntine	Agzone2 Bolgart	Agzone2 Cunderdin	Agzone2 Dandaragan	Agzone2 Nyabing	Agzone4 Kellerberrin	Agzone5 Jerramungup	AVERAGE	
Variety Name	%	%	%	%	%	%	%	%	%	%	%	%
DG 408RR	49.19	47.66	45.88	49.57	51.18	47.36	50.33	45.4	44.56	48.6	47.97	
Hyola 404RR	48.81	47.71	44.09	49.73	50.05	44.56	49.03	44.3	45	48.5	47.18	
IH30 RR	46.46	45.01	44.8	47.36	48.14	44.16	46.77	41.6	43.25	47.4	45.50	
Nuseed GT-42	45.8	44.94	42.07	46.73	47.02	42.25	47.16	41.2	39.77	46.3	44.32	
Pioneer 43Y23 (RR)	44.2	34.26	42.52	47.01	47.45	39.61	46.02	40.4	41.31	46.5	42.93	
Pioneer 44Y24 (RR)	46.04	45.74	42.43	47.71	48.47	42.42	46.99	41.4	41.39	47.4	45.00	
Pioneer 44Y27 (RR)	46.86	45.52	43.85	48.26	48.56	43.48	48.27	42.3	42.65	47.5	45.73	

All 2016 NVT trials that contained varieties compared



Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

Gross Income Calculator

2016 data from 10 common Early and Mid season NVT sites in WA

Variety	Yield	Indicative seed cost	Seed rate	Grain Price	Seed Cost	Oil	Gross Income (less seed cost)	Oil/Admix & bonification as per AOF standards Base Oil 42%	Income
	t/ha	\$/kg	kg/ha	\$/tonne	\$/ha	%	\$/ha	\$/ha	\$/ha
DG 408RR	2.57	34.00	2.5	\$500	85	47.97	\$1,200	\$ 107.47	\$1,306.97
Hyola 404RR	2.36	34.00	2.5	\$500	85	47.18	\$ 1,096	\$ 85.13	\$ 1,181.13
IH30 RR	2.32	34.00	2.5	\$500	85	45.50	\$ 1,075	\$ 56.36	\$ 1,131.36
Nuseed GT-42	2.27	34.00	2.5	\$500	85	44.32	\$ 1,049	\$ 36.57	\$ 1,085.57
Pioneer 43Y23 (RR)	2.50	34.00	2.5	\$500	85	42.93	\$ 1,164	\$ 16.20	\$ 1,179.70
Pioneer 44Y24 (RR)	2.54	34.00	2.5	\$500	85	45.00	\$ 1,186	\$ 53.35	\$ 1,239.35
Pioneer 44Y27 (RR)	2.69	34.00	2.5	\$500	85	45.73	\$ 1,262	\$ 70.49	\$ 1,331.99
Crop	\$/t								
Canola	\$ 500								

2016 Landmark PD Trial Results

Nearest Town	Coorow	Esperance	Kojonup	Calingiri	Quairading	AVERAGE	
Variety Name	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	Oil %
DG 408RR	2.15	1.41	2.48	3.63	2.36	2.41	52.67
HYOLA404RR	1.99	1.06	2.61	3.41	2.25	2.26	51.55
IH30RR	1.60	0.78	2.86	3.59	2.42	2.25	48.98
43Y23RR	1.99	1.13	2.69	3.28	2.43	2.30	48.34
44Y24RR	2.05	1.26	2.6	3.61	2.20	2.34	48.58

All 2016 PD Landmark trials that contained varieties compared



David Clegg (WA Seed Category Manager) in vigorous DG 408RR strip trial at Mingenew 2017



Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

2013-2015 Yield, Agronomic And Quality Information From 30 R&D Locations In Eastern Australia

Name	Yield (t/ha)	Days to flowering	Days to end of flowering	Plant height (cm)	Oil %
DG 408RR	2.15	108	149	124	45.34
45Y22RR Treated	2.03	116	153	129	42.78
HYOLA404RR Treated	2.06	109	149	130	44.54
S.E	0.06				
CV%	11.3				
LSD (5%)	0.11				

2015 R&D Yield Trials In Eastern Australia

Name	Lake Bolac	Diggora	Wagga Wagga	Minyip	Temora
DG 408RR	1.09	1.29	1.16	1.76	2.17
HYOLA404RR Treated	1.12	1.23	1.17	1.13	2.32
site mean	1.09	1.12	1.27	1.4	2.24
LSD (5%)	0.16	0.12	0.27	0.26	0.18

2014 R&D Yield Trials In Eastern Australia

Name	West Wyalong	Minyip	Grenfell	Wagga Wagga	Lake Bolac	Temora	Parke	Diggora	Horsham	Yarrawonga
DG 408RR	1.62	1.56	2.64	2.66	2.31	2.5	2.68	3.84	3.82	4.24
HYOLA404RR Treated	1.56	1.52	1.96	2.38	2.44	2.75	2.43	3.65	4.24	4.17
site mean	1.41	1.51	2.24	2.24	2.33	2.34	2.42	3.68	4.09	4.10
LSD (5%)	0.26	0.30	0.27	0.18	0.33	0.20	0.21	0.31	0.46	0.40

2013 R&D Yield Trials In Eastern Australia

Name	Bellata	Croppa Creek	Temora	Grenfell	Gunnedah	Wagga Wagga	West Wyalong	Parke	Minyip	Lake Bolac	Culcairn	Yarrawonga	Gilgandra	Diggora	Frances	Horsham
DG 408RR	1.09	1.12	1.52	1.34	1.23	1.77	1.8	1.86	2.07	2.25	2.27	2.5	2.74	2.84	2.5	2.88
Hyola404RR Treated	0.98	0.84	1.49	1.39	1.71	1.82	1.65	1.85	2	2.46	1.98	2.13	2.82	2.72	2.13	2.82
site mean	0.9	0.9	1.4	1.46	1.47	1.59	1.66	1.67	1.9	2.22	2.27	2.34	2.53	2.66	2.71	2.87
LSD (5%)	0.15	0.21	0.09	0.29	0.37	0.25	0.17	0.1	0.12	0.25	0.28	0.28	0.13	0.27	0.24	0.19



Dyna-Gro® Seed DG408RR

Roundup Ready® Hybrid Canola

Currently registered canola seed treatment fungicides and their activity on a range of diseases

Fungicides	Jockey ®	Maxim XL®	Evergol Xtend ®	Flutriafol IF
Use rate	2L/100kg	400mL/100kg	65mL/100kg	200mL/ha
Blackleg	suppression	suppression	x	Y
Downey Mildew	x	Y	x	x
Pythium	x	Y	x	x
Rhizoctonia	x	Y	Y	x
Fusarium	x	x	Y	x

Currently registered canola seed treatment insecticides and their activity on a range of insects.

Insecticide	Gaucho	Cruiser Opti	Poncho Plus	Cosmos
Use rate	400mL/100kg	1000mL/100kg	500mL/100kg	400mL/100kg
Aphids	3-4 wks	4-5 wks	3-4 wks	x
Red-legged earth mite	3-4 wks	supp 4-5 wks	3-4 wks	Y
Lucerne flea	3-4 wks	supp 4-5 wks	suppression	x
Blue oat mite	x	x	3-4 wks	x
Cutworm	x	x	3-4 wks	x
Wireworm	x	x	3-4 wks	x

Treatment Recommendation

Landmark recommends DG408RR be treated with Maxim XL, Poncho Plus and Awaken ST with the addition of Intake® Hi-Load Gold (Flutriafol 500g/L) on your cropping fertiliser or via a liquid system.

Fungicides

Maxim XL has activity on key disease including Blackleg, Downey Mildew, Pythium and Rhizoctonia whilst Intake Hi-Load will protect against Blackleg

Insecticides

Poncho Plus provides 3-4 week protection against Aphids, Red Legged Earth Mite, Blue Oat Mite, Cutworm and Wireworm with suppression on Lucerne Flea. Anecdotal evidence suggests that Poncho Plus covers more pests than claimed on its label.

Nutritional

Landmark have been trialing Loveland's Awaken ST for a number of seasons and we continually see yield increases from this product. Over 21 plot trials in WA with yields ranging from 1.45-2.48t/ha we have seen an average yield increase of 3.4% with over 80% delivering a yield benefit.

For more information contact: David Clegg 0408 630 641, Dr Wayne Burton 0417 056 871, visit www.landmark.com.au or talk to your local Landmark Agronomist.

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