

Hyola® FCT 2012 Performance Trial Results

Pacific Seeds: Flexible Cropping Technology 2012

Trial Summary

The trial at the Westmere site was sown, maintained and harvested as per protocols with excellent establishment across most plots and the % CV for the performance trial was 6.405, which indicates an excellent dataset for interpreting the results. Flutriafol fungicide was applied on the fertiliser used under the trial to provide additional protection against blackleg. All herbicides were applied specific to each technology as per standard industry practice at registered rates and timings. All gross returns in \$/ha have been calculated using industry average sowing rates and hybrid vs. open pollinated planting seed costs respectively. Base price for grain was \$600/t with an oil bonification or deduction adjusted based on 42%. The trial was sown on the 8th of May and harvested on the 6th of December.

Results

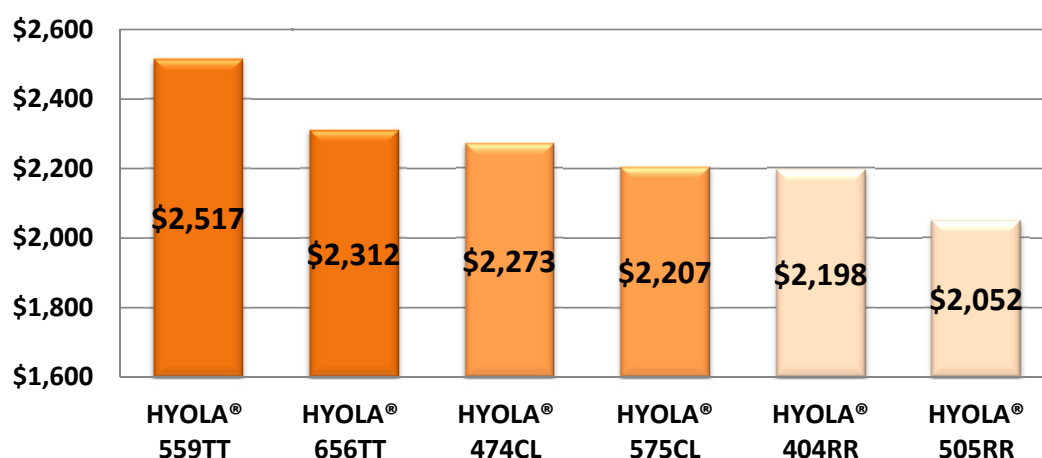


Figure 1. Comparison of the profitability of herbicide technology, showing gross returns (\$/ha) the top 6 TT, CL and RR varieties in the Hyola FCT 2012 Performance trial

RR Technology

Hyola® 404RR was the top yield performer against other entries and provided the highest gross return in \$/ha in the trial. Hyola® 404RR and Hyola® 505RR showed the highest oil % of all the RR varieties. The F2 retained seed generation of both Hyola® Roundup Ready hybrids were significantly lower yielding than the purchased hybrid F1.

Hyola® 404RR and Hyola® 505RR with Cruiser® Opti and Maxim-XL® or Cruiser® Opti and Jockey® seed treatments with their added high blackleg resistance, enhanced shatter tolerance and plant standability provide excellent Roundup Ready variety options for western district canola growers in Victoria.

Variety	Yield (t/ha) ± Standard Error			Oil %	Bonus	Gross	Gross Return on Seed (\$/ha)
HYOLA® 404RR	3.49	±	0.12	47.8	108.7	\$2,278	\$2,198
GT COBRA	3.37	±	0.12	46.9	107.4	\$2,172	\$2,112
45Y22	3.39	±	0.12	46.9	107.4	\$2,182	\$2,102
HYOLA® 505RR	3.27	±	0.11	47.8	108.7	\$2,132	\$2,052
CB FRONTIER RR	3.47	±	0.12	42.7	101.1	\$2,102	\$2,022
45Y21	3.20	±	0.12	47.4	108.1	\$2,074	\$1,994
IH50RR	3.24	±	0.12	43.8	102.7	\$1,996	\$1,916
HYOLA 404RR F2	2.77	±	0.12	46.9	107.4	\$1,781	\$1,771
HYOLA 505RR F2	2.69	±	0.13	47.1	107.7	\$1,734	\$1,724

CL technology

Hyola® 575CL and Hyola® 474CL were the top yield performers against other entries and provided the highest gross returns in \$/ha in the trial. Hyola® 575CL and Hyola® 474CL oil % results were competitive with other Clearfield varieties. The F2 retained seed generation of both Hyola® Clearfield hybrids were significantly lower yielding than the purchased hybrid F1.

Hyola 575CL and Hyola 474CL with Cruiser® Opti and Maxim-XL® or Cruiser® Opti and Jockey® seed treatments with their added high blackleg resistance, enhanced shatter tolerance and plant standability provide excellent Clearfield canola options for western district canola growers in Victoria.

Variety	Yield (t/ha) ± Standard Error			Oil %	Bonus	Gross	Gross Return on Seed (\$/ha)
HYOLA® 474CL PP+J	3.60	±	0.11	47.4	108.1	\$2,338	\$2,273
HYOLA® 474CL COM+J	3.67	±	0.11	45.8	105.7	\$2,331	\$2,266
HYOLA® 474CL COJ	3.66	±	0.11	45.9	105.9	\$2,325	\$2,260
HYOLA® 474CL GJ	3.63	±	0.10	46.2	106.3	\$2,313	\$2,248
HYOLA® 575CL	3.63	±	0.11	44.9	104.4	\$2,272	\$2,207
HYOLA® 474CL PP+EV+J	3.45	±	0.11	46.8	107.2	\$2,220	\$2,155
HYOLA® 474CL COM	3.47	±	0.11	46.1	106.2	\$2,210	\$2,145
HYOLA® 474CL BARE	3.41	±	0.11	45.6	105.4	\$2,154	\$2,089
45Y82	3.55	±	0.11	44.2	103.3	\$2,198	\$2,133
45Y86	3.37	±	0.11	46.3	106.5	\$2,154	\$2,089
HYOLA 474CL F2	3.30	±	0.11	44.2	103.3	\$2,045	\$2,035
46Y83	3.29	±	0.11	45.8	105.7	\$2,085	\$2,020
HYOLA 575CL F2	3.17	±	0.11	44.1	103.2	\$1,961	\$1,951



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TT Technology

Hyola® 656TT and Hyola® 559TT were the top yield performers against other entries and provided the highest gross returns in \$/ha in the trial. Hyola® 555TT, Hyola® 656TT and Hyola® 559TT showed significantly higher yields than some of the other TT varieties under evaluation. Jackpot TT and Hyola® 559TT provided some excellent oil % results for the trial. The F2 retained seed generations yields were significantly lower than all F1 purchased seed generations of Hyola® 555TT, Hyola® 656TT and Hyola® 559TT. Hyola® 656TT, Hyola® 559TT and Hyola® 555TT with Cruiser® Opti and Maxim-XL® or Cruiser® Opti and Jockey® seed treatments provide excellent Triazine Tolerant options for western district canola growers in Victoria.

Variety	Yield (t/ha) ± Standard Error			Oil %	Bonus	Gross	Gross Return on Seed (\$/ha)
HYOLA® 559TT COM	3.99	±	0.125	47.2	107.8	\$2,582	\$2,517
HYOLA® 656TT COJ	3.82	±	0.108	44.5	103.8	\$2,377	\$2,312
THUMPER TT	3.62	±	0.113	47.2	107.8	\$2,342	\$2,297
JACKPOT TT	3.49	±	0.113	49.1	110.7	\$2,315	\$2,270
HYOLA® 559TT COJ	3.65	±	0.111	45.6	105.4	\$2,308	\$2,243
ATR GEM	3.66	±	0.114	44.7	104.1	\$2,284	\$2,239
HYOLA® 555TT GJ	3.71	±	0.114	44.3	103.5	\$2,302	\$2,237
CRUSHER TT	3.66	±	0.117	43.5	102.3	\$2,248	\$2,203
HYOLA® 555TT COM	3.68	±	0.112	42.6	100.9	\$2,226	\$2,161
CB JARDEE HT	3.64	±	0.115	42.7	101.1	\$2,209	\$2,144
ATR STINGRAY	3.44	±	0.110	45.7	105.6	\$2,178	\$2,133
THUMPER TT F2	3.32	±	0.113	45.7	105.6	\$2,100	\$2,090
HYOLA 559TT F2	3.31	±	0.111	45.5	105.3	\$2,092	\$2,082
CB JUNEE HT	3.55	±	0.115	42.0	100.0	\$2,130	\$2,065
HYOLA® 555TT COJ	3.46	±	0.116	43.7	102.6	\$2,127	\$2,062
HYOLA 656TT F2	3.28	±	0.114	43.5	102.3	\$2,010	\$2,000
HYOLA 555TT F2	2.99	±	0.12	41.6	99.4	\$1,781	\$1,771

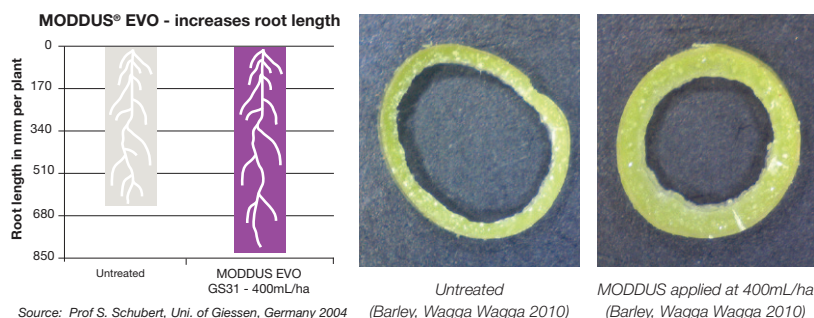
Control of lodging in oats, barley and wheat

Key Benefits

- Reduced lodging through stronger stems and reduced plant height
- Enhanced root systems for better water and nutrient scavenging
- Faster harvest speeds and reduced stress at harvest
- Better grain quality and minimised lost grain
- Improved Harvest Index

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