



NATIONAL TRIALLING
SYSTEM

2010 NATIONAL HYOLA® TRIALLING SYSTEM POPULATION & GENERATION AGRONOMY TRIAL RESULTS

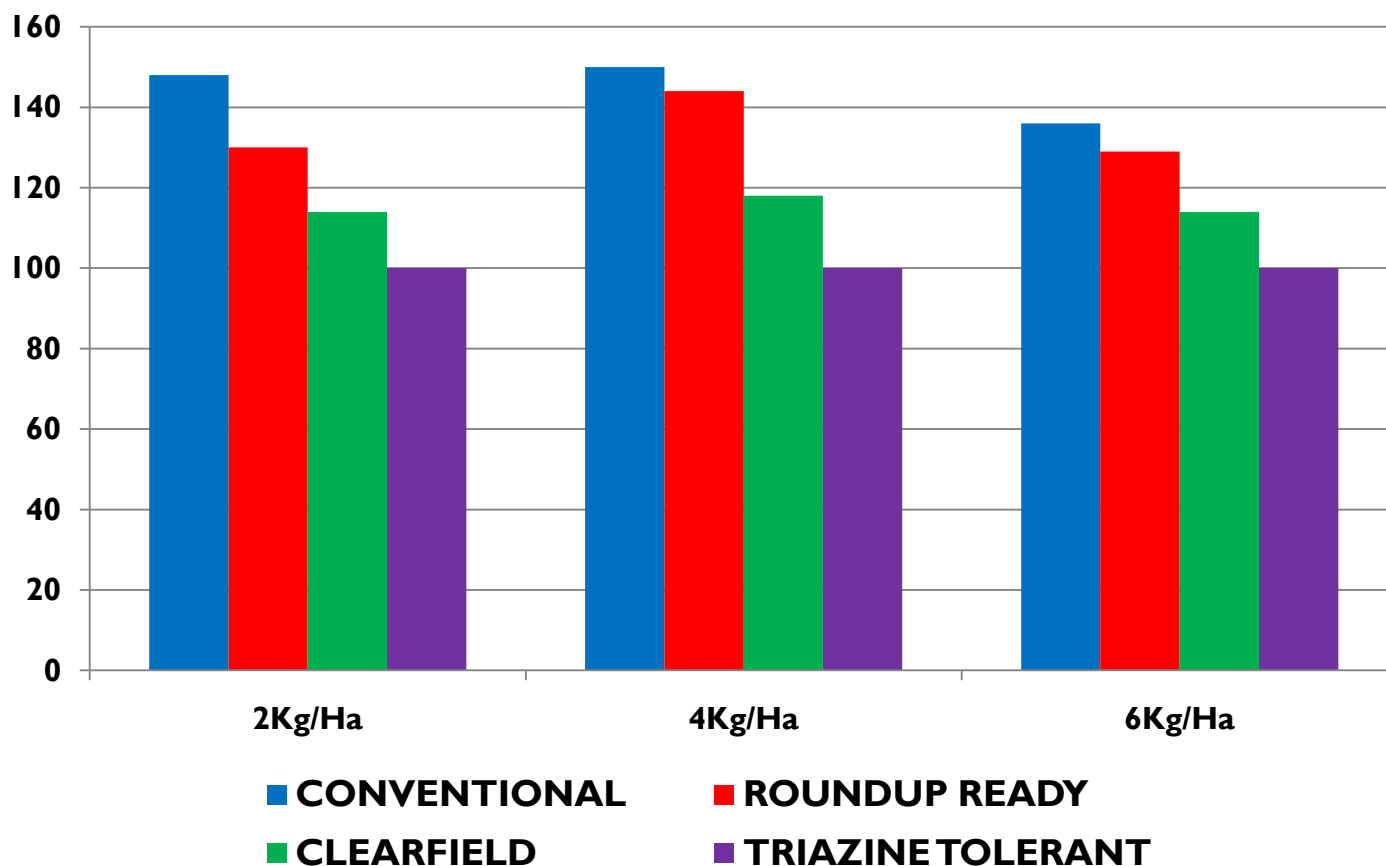
- Summary of 2009 Hyola® Sowing rate trials
- Summary of 2009 Hyola® Generation trials
- 2010 Hyola® Target Population Trial Results
- 2010 Hyola® Generation Trial Results





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2009 HYOLA NATIONAL CNV/CL/TT /RR RESULTS MEAN GROSS RETURN \$/HA HT % vs SOWING RATE



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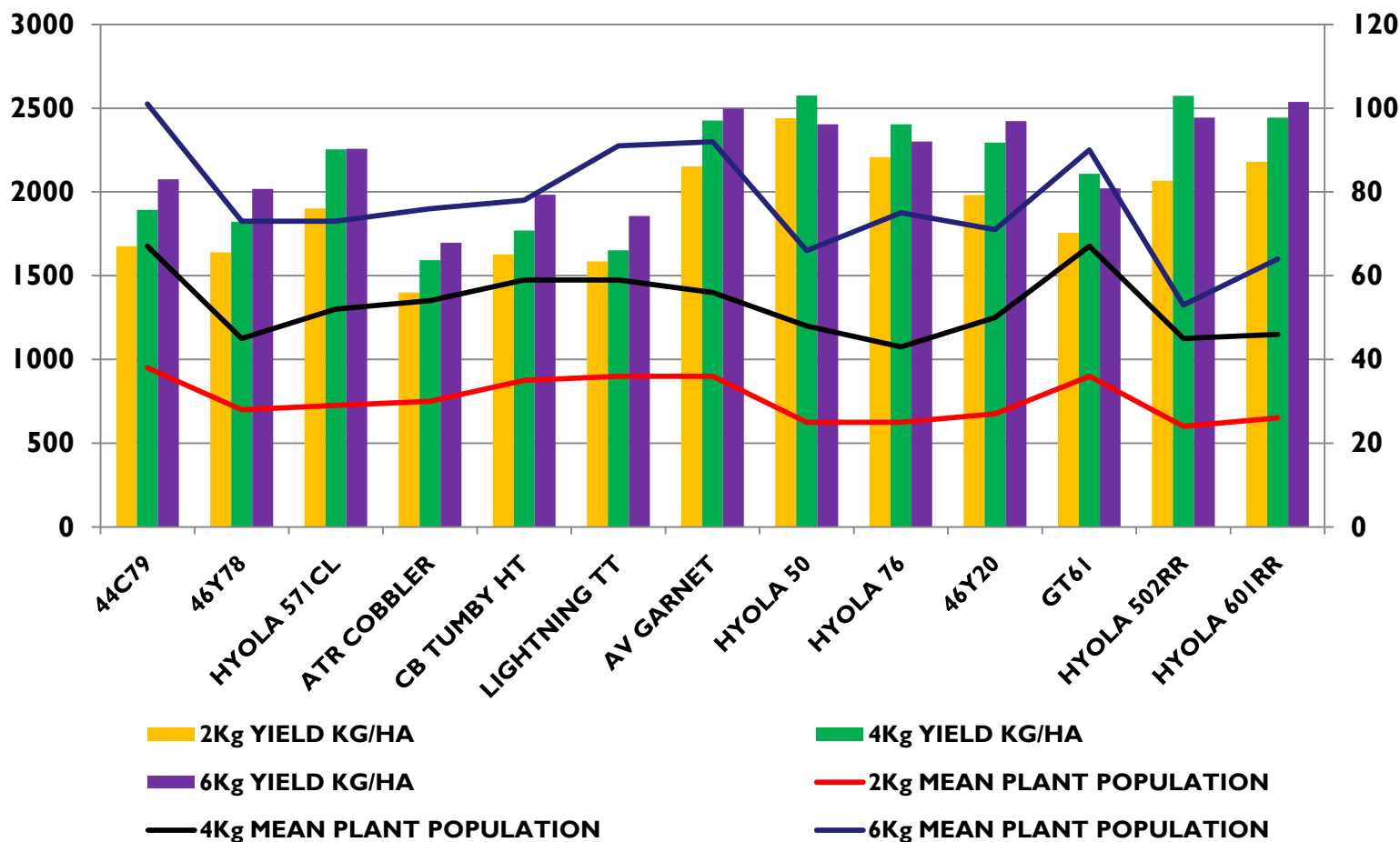
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2009 HYOLA NATIONAL CNV/CL/TT/RR RESULTS – 6 SITES

VARIETY MEAN YIELD KG/HA VS MEAN PLANT POPULATION / M2





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Hyola HYBRIDS

ULTIMATE CANOLA PERFORMANCE

OPTIMUM PLANT POPULATION RECOMMENDATIONS

CANOLA VARIETY BREEDING	LOW TO MEDIUM 250 - 400mm 1.5-2 MT/HA	MEDIUM TO HIGH 400 - 600mm+ 2- 4 MT/HA
HYBRID TECHNOLOGY	25-40 PLANTS/M2	40-60 PLANTS/M2
OPEN POLLINATED	30-50 PLANTS/M2	50-75 PLANTS/M2

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HYOLA 2009 AGRONOMY TRIALS HYBRID F1 vs RETAINED SEED RESULTS - SUMMARY

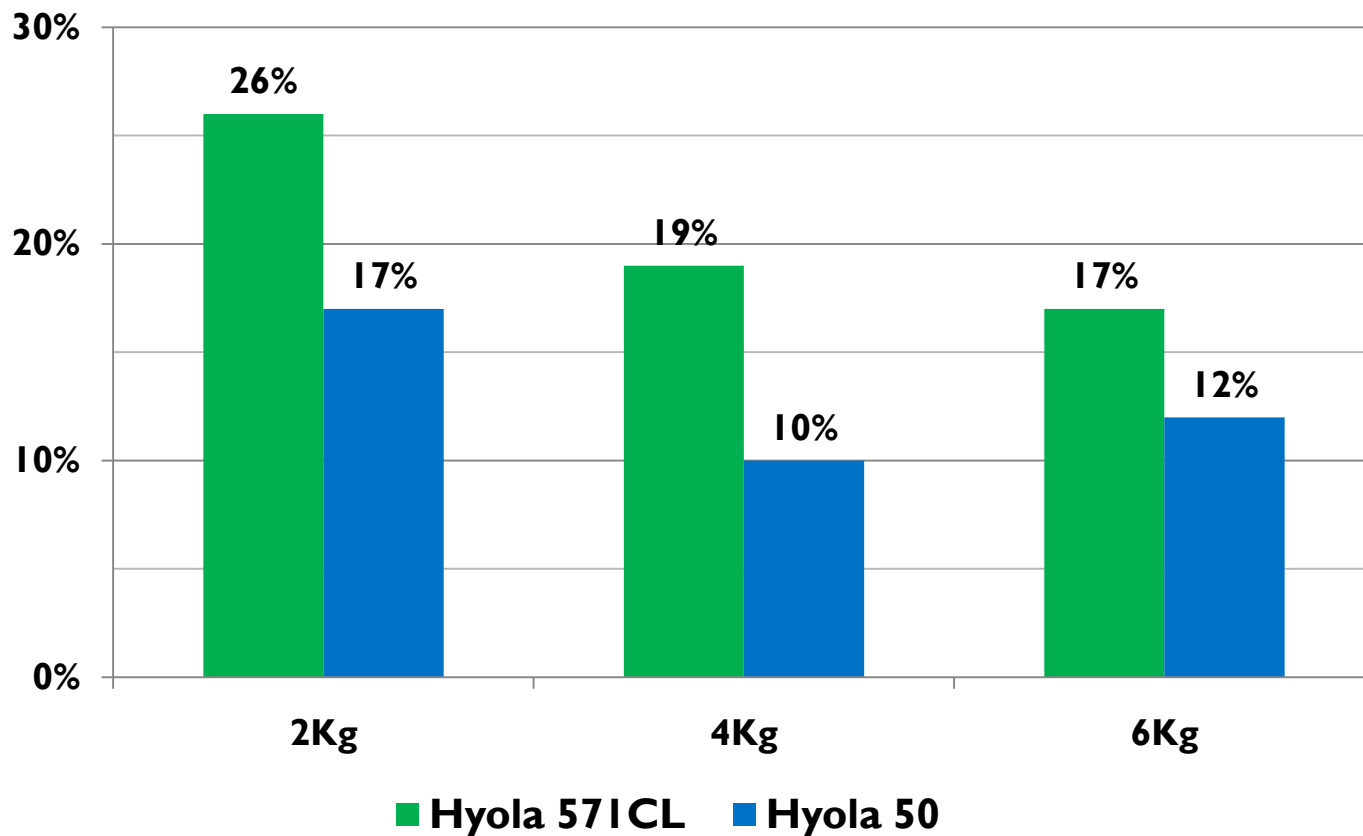
- F1 Hybrids - 10% higher plant establishment, higher visual biomass
- F2 - 10 day flowering variation in plant segregates, 25% sterility, 10% higher lodging, 30cm greater height variation, observed higher blackleg cankers
- Hyola 571CL and Hyola 50 Hybrid F1 yielded significantly higher than the F2 retained seed at all 8 sites across all sowing rates
- Both F1 Hybrids showed between 10 to 26% higher mean yield MT/Ha and \$178 to \$276 higher \$/Ha return





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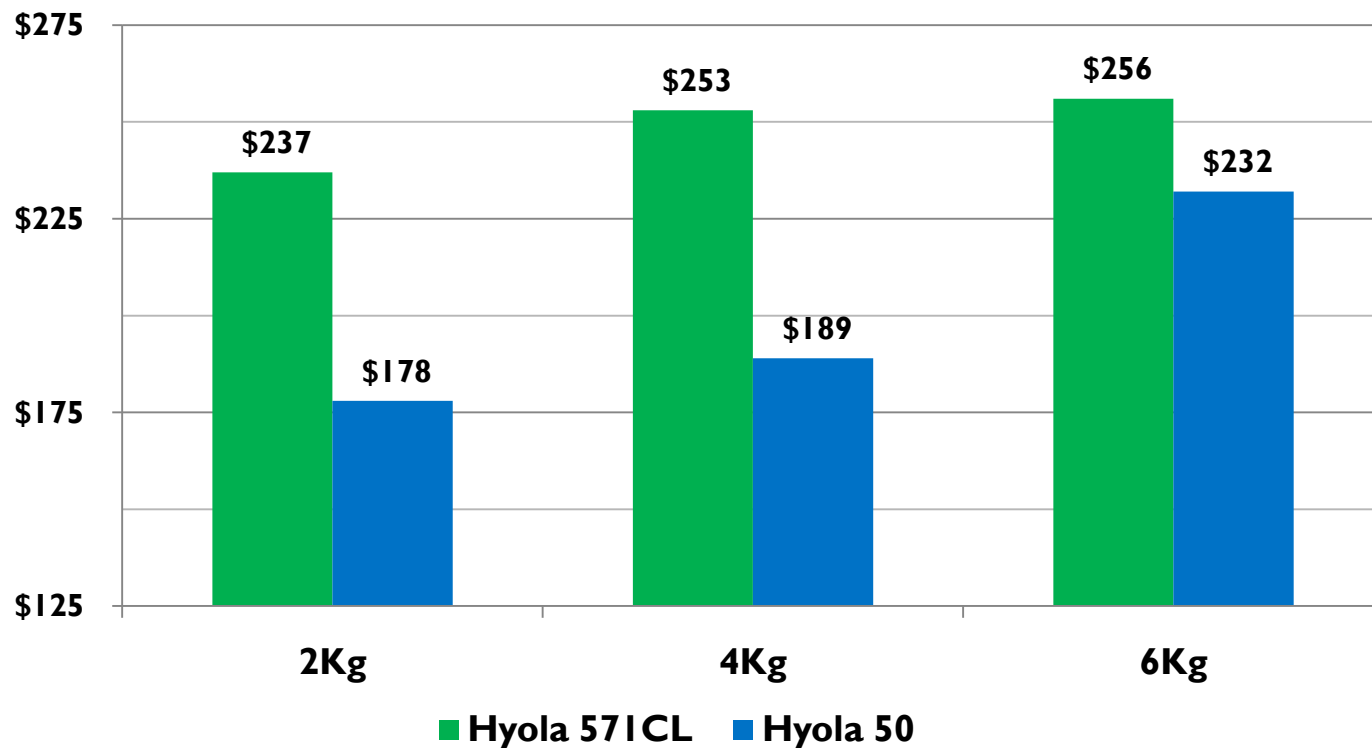
2009 NATIONAL HYOLA HYBRID F1 VS RETAINED F2 SEED HYOLA 50 & HYOLA 57ICL AVERAGE %YIELD LOSS





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2009 NATIONAL HYOLA HYBRID F1 VS RETAINED F2 SEED HYOLA 50 & HYOLA 57ICL GROSS RETURN LOSS IN \$/Ha



\$/HA GROSS RETURN GENERATIONAL CANOLA COMPARISON BASED ON YIELD, \$400/MT,
HYBRIDS @ \$20/KG TREATED AND F2 GEN @ \$5/KG NON TREATED

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HYOLA 2010 TARGET POPULATION TRIAL DETAILS

Evaluate Hybrids vs OP canola - targetted populations of 25, 40, 55 and 70 plants per m² for hybrids and 40, 55, 70 and 90 plants per m² for OP varieties.

These populations were targeted by adjusting seed volume per packet taking into account seed count per kg and germination % and using an 80% survival rate.

Conventional – Hybrid vs OP – (4 sites)

Harvested Mean Trial Yields ranged from 1.16MT/ha to 3.86MT/Ha
SA sites included Cummins, Clare, Maitland and Bordertown

Clearfield – Hybrids– (14 sites)

Harvested Mean Trial Yields ranged from 0.90MT/ha to 3.86MT/Ha

SA sites - Cummins, Clare, Maitland and Bordertown

VIC sites - Beulah and Dookie

NSW sites – Temora, Barooga, Canowindra, Wallendbeen, Milbrulong, Corowa

WA sites included York and Kojonup

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HYOLA 2010 TARGET POPULATION TRIAL DETAILS

Triazine Tolerant – Hybrid vs OP – (14 sites)

Harvested Mean Trial Yields ranged from 0.90MT/ha to 3.86MT/Ha

SA sites - Cummins, Clare, Maitland and Bordertown

VIC sites - Beulah and Dookie

NSW sites – Temora, Barooga, Canowindra, Wallendbeen, Milbrulong, Corowa

WA sites - Arthur River and Kojonup

Roundup Ready – Hybrids – (10 sites)

Harvested Mean Trial Yields ranged from 0.90MT/ha to 3.86MT/Ha

VIC sites - Beulah and Dookie

NSW sites – Temora, Barooga, Canowindra, Wallendbeen, Milbrulong, Corowa

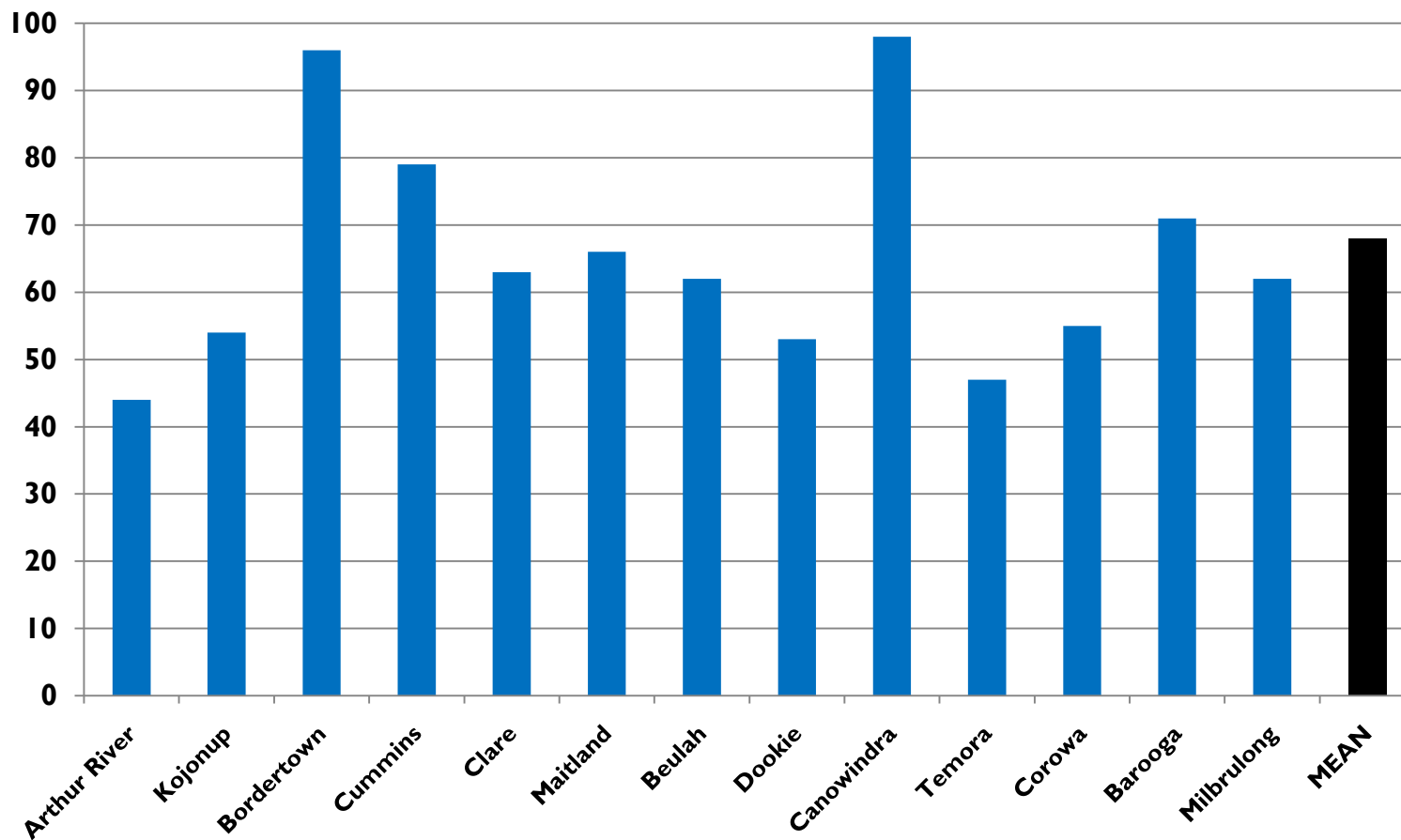
WA sites - Arthur River and Kojonup

Full Individual Analysis data now available online or via email from Pacific Seeds



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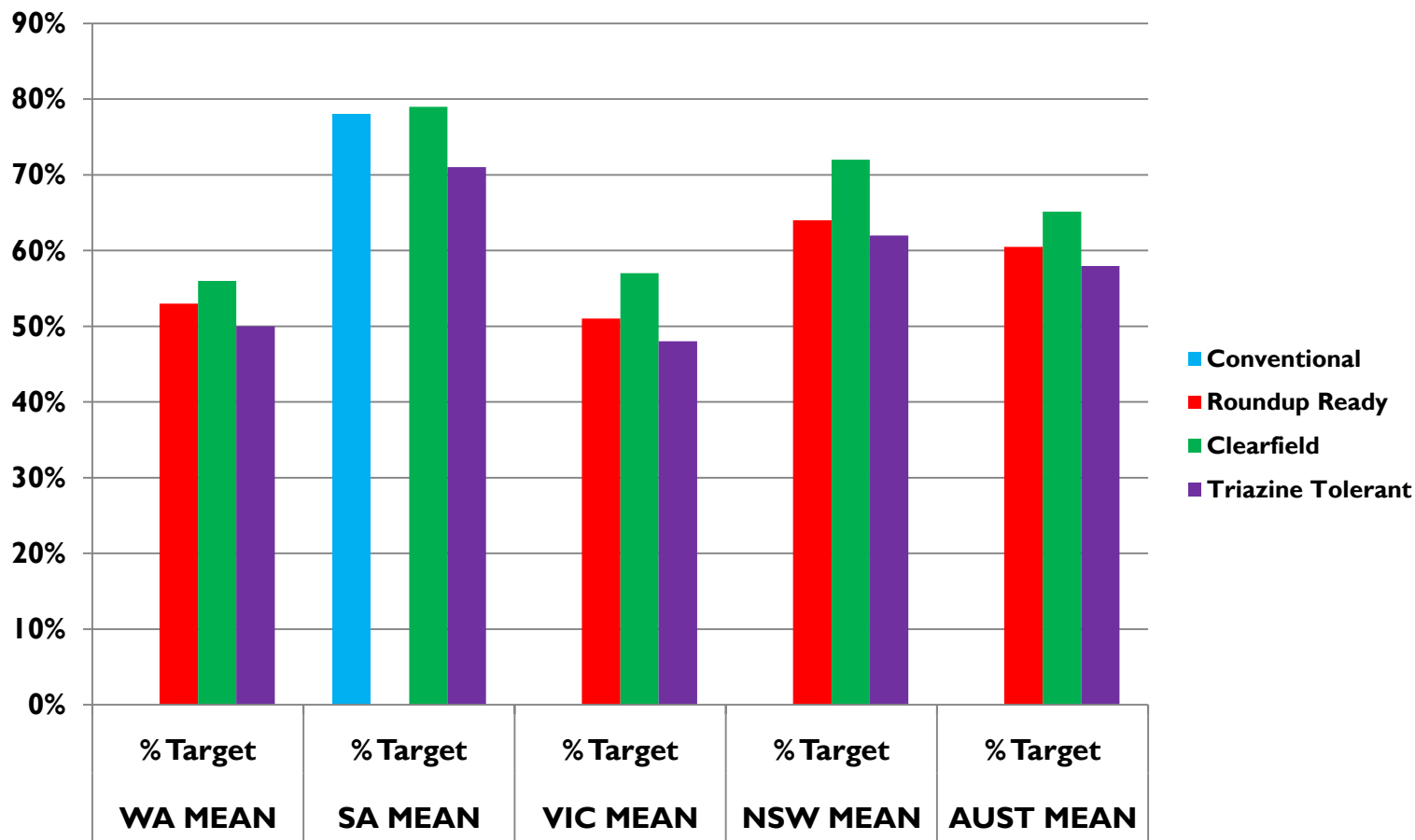
2010 HYOLA POPULATION TRIAL SITE MEAN % ESTABLISHMENT - CNV + RR + CL + TT TECHNOLOGIES





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HYOLA 2010 NATIONAL TRIALS MEAN % OF HT TARGET POPULATION ESTABLISHMENT



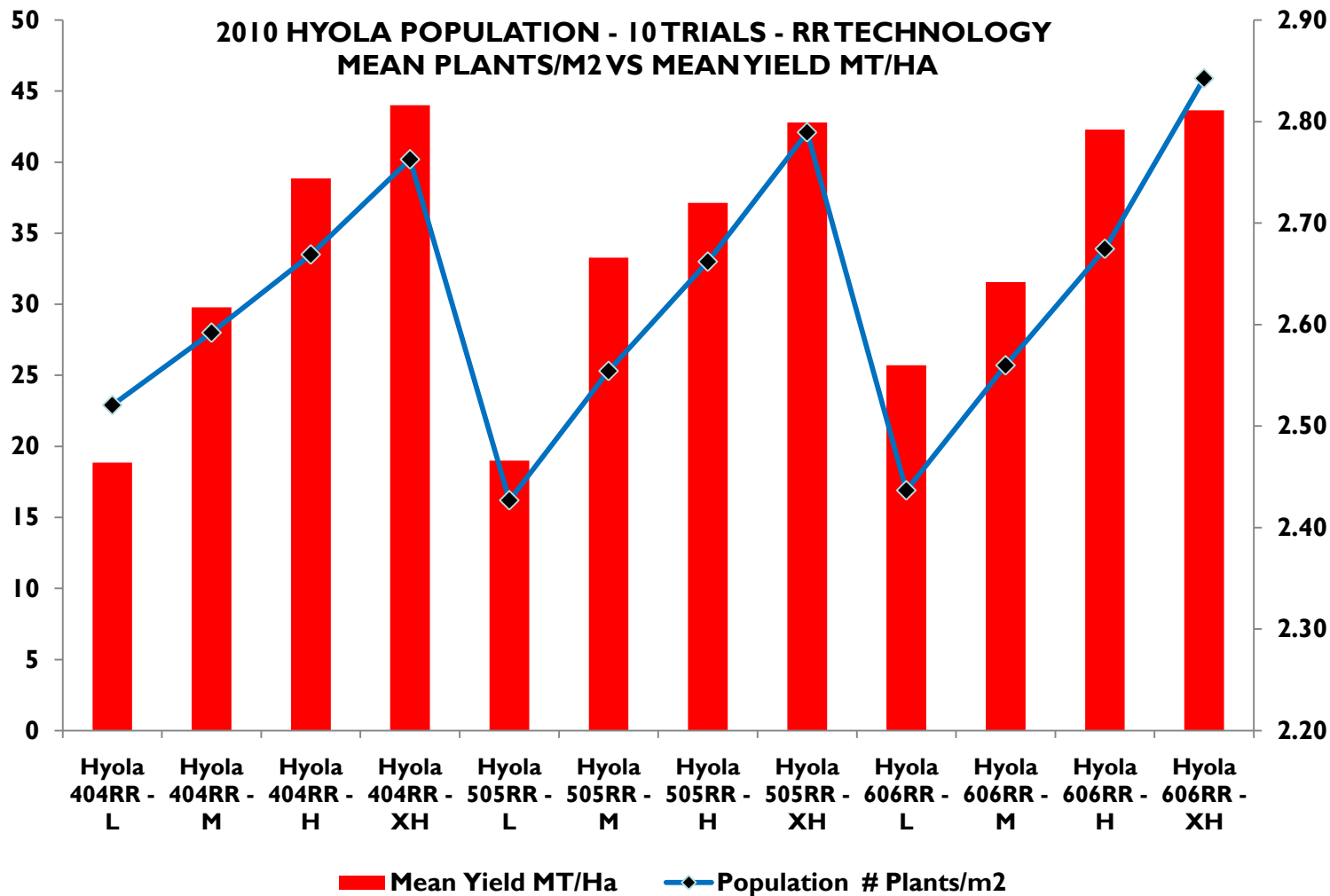
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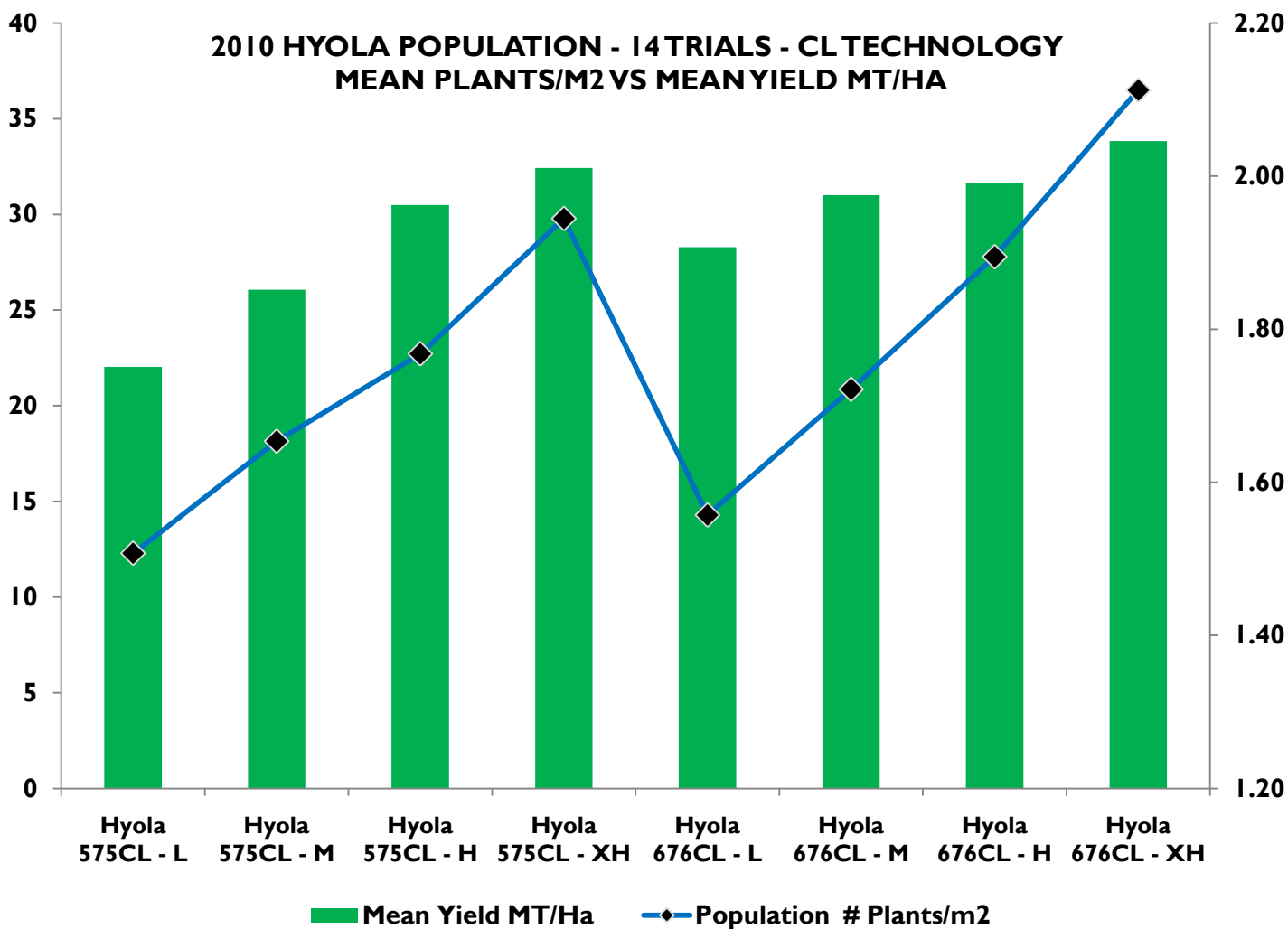
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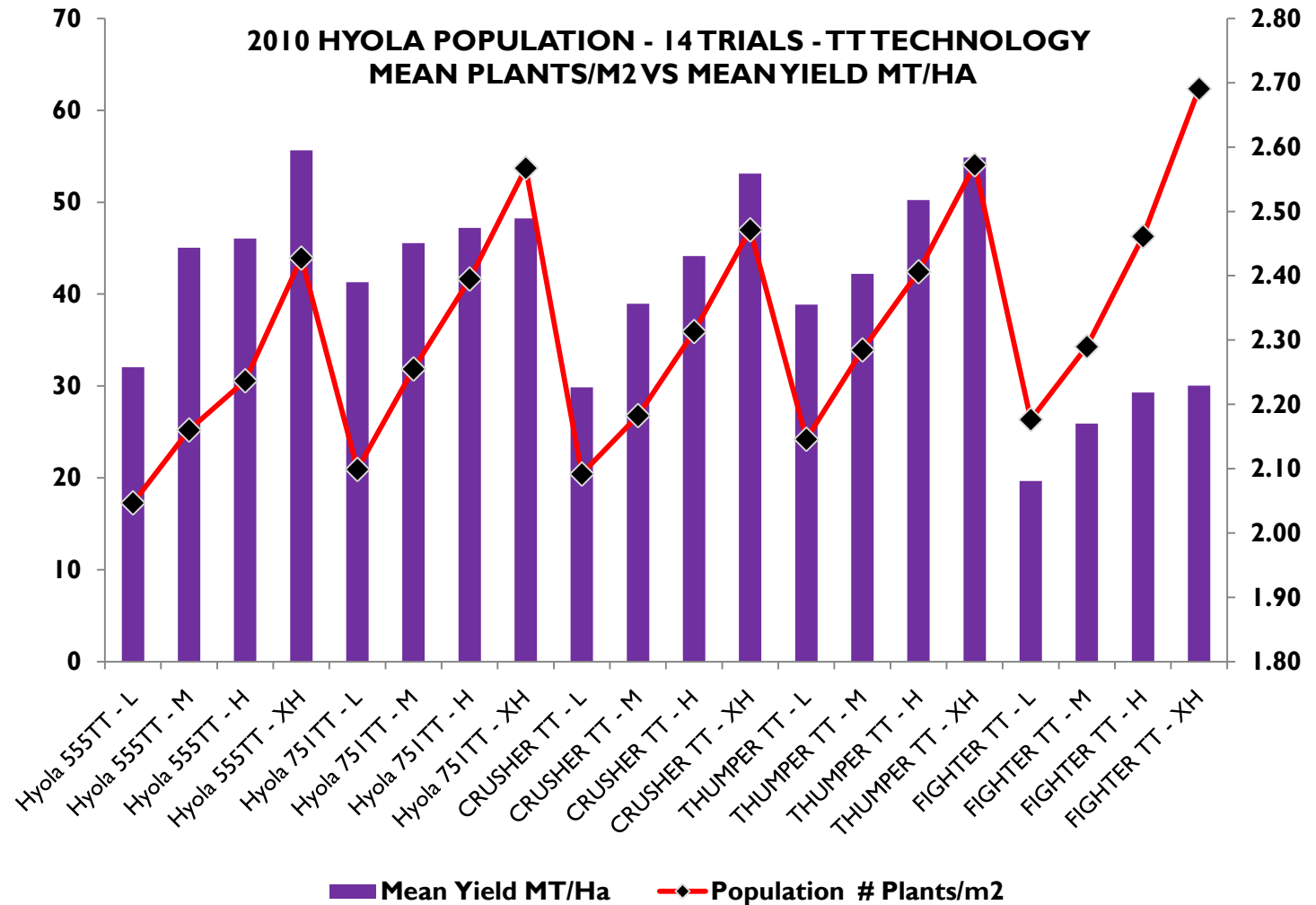


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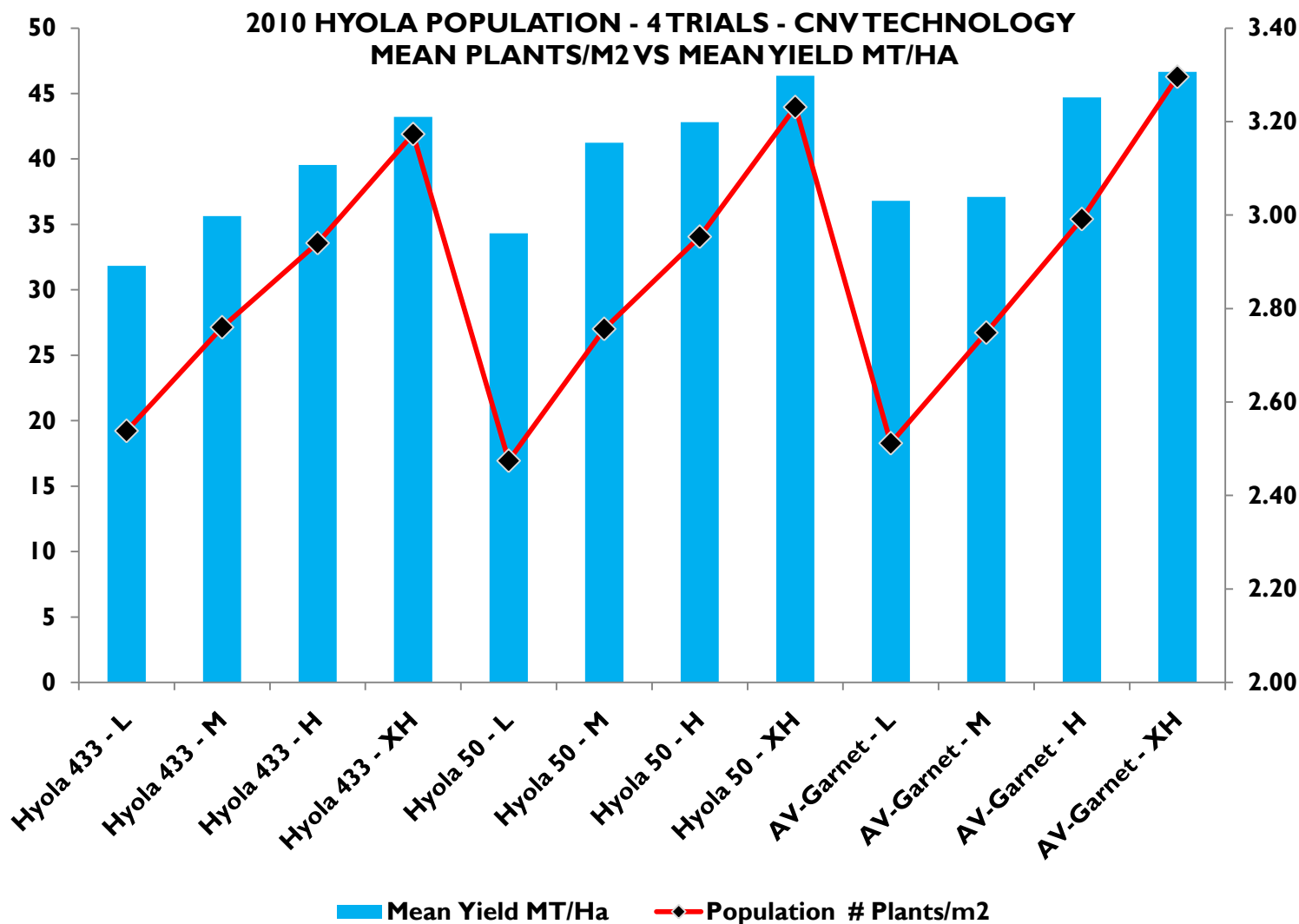




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Hyola HYBRIDS

ULTIMATE CANOLA PERFORMANCE

OPTIMUM PLANT POPULATION RECOMMENDATIONS

CANOLA VARIETY BREEDING	LOW TO MEDIUM-LOW 200 - 300mm GSR 0.5-1.5 MT/HA	MEDIUM-LOW TO MEDIUM-HIGH 300 - 450mm GSR 1.5-2.5 MT/HA	MEDIUM-HIGH TO VERY HIGH 450 - 600mm+ GSR 2.5- 4.0 MT/HA
HYBRID TECHNOLOGY	10 - 25 PLANTS/m ²	25 - 40 PLANTS/m ²	40 - 60 PLANTS/m ²
OPEN POLLINATED	15 - 30 PLANTS/m ²	30 - 50 PLANTS/m ²	50 - 75 PLANTS/m ²

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2010 NATIONAL HYOLA TRIALLING SYSTEM HYBRID F1 VS F2 GENERATION TRIAL RESULTS



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HYOLA 2009 HARVESTED AGRONOMY TRIAL DETAILS HYBRID vs RETAINED SEED EVALUATIONS

3 Herbicide Technologies being evaluated in 15 replicated trials in 4 states.

Harvested Mean Trial Yields ranged from 0.833MT/ha to 3.605MT/ha
Conventional, Clearfield and Triazine Tolerant - F1 vs F2 (15 sites)
Hyola 433, Hyola 50, Hyola 575CL, Hyola 676CL, Hyola 555TT, Hyola 751TT

SA sites - Cummins, Clare, Maitland and Bordertown

VIC sites - Kaniva, Greenlake and Dookie

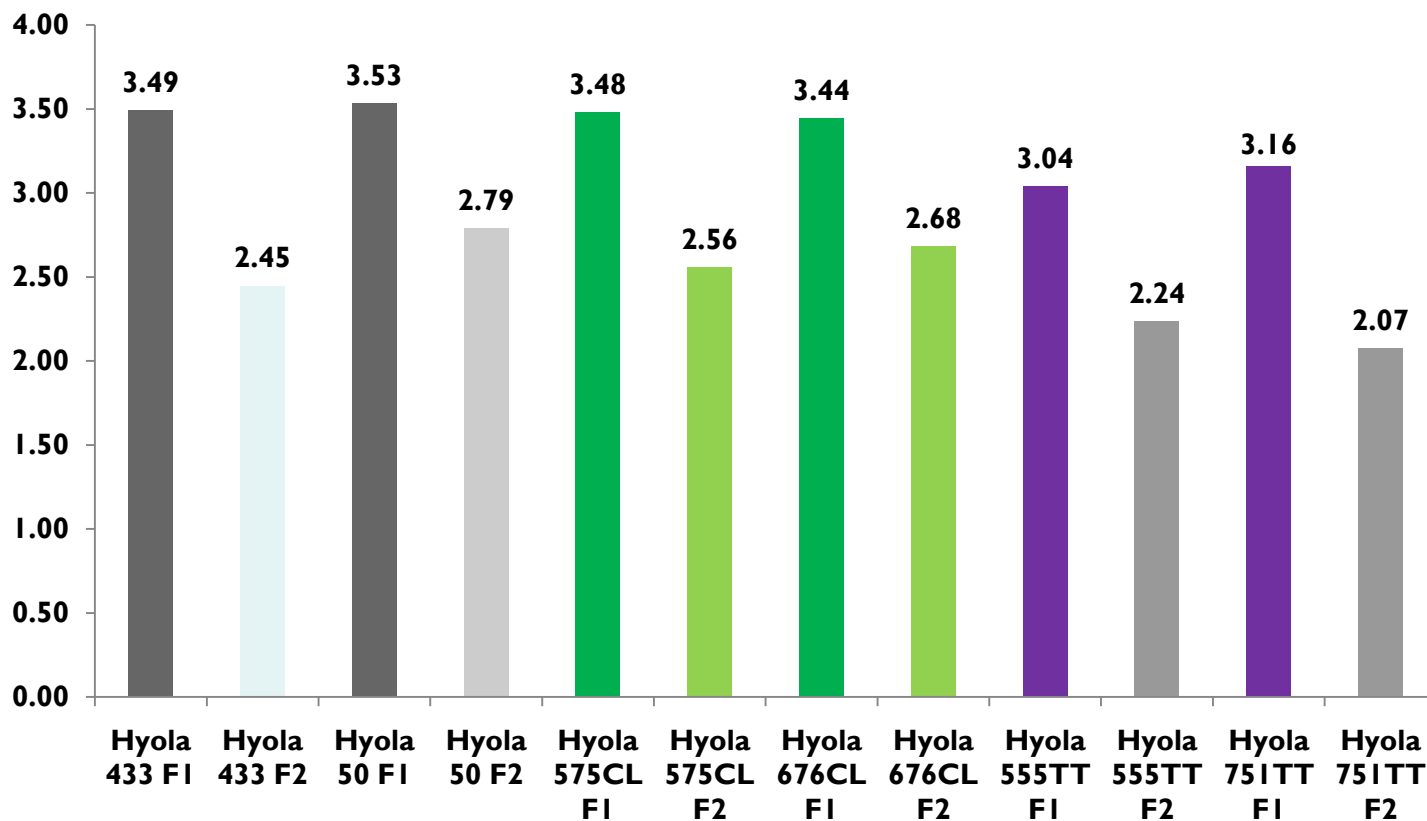
NSW sites - Barooga, Wallendbeen, Corowa, Temora, Milbrulong, Canowindra

WA Sites – Arthur River and Kojonup



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NEW SOUTH WALES HYOLA GENERATION - 6 TRIALS MEAN YIELD MT/HA F1 VS F2



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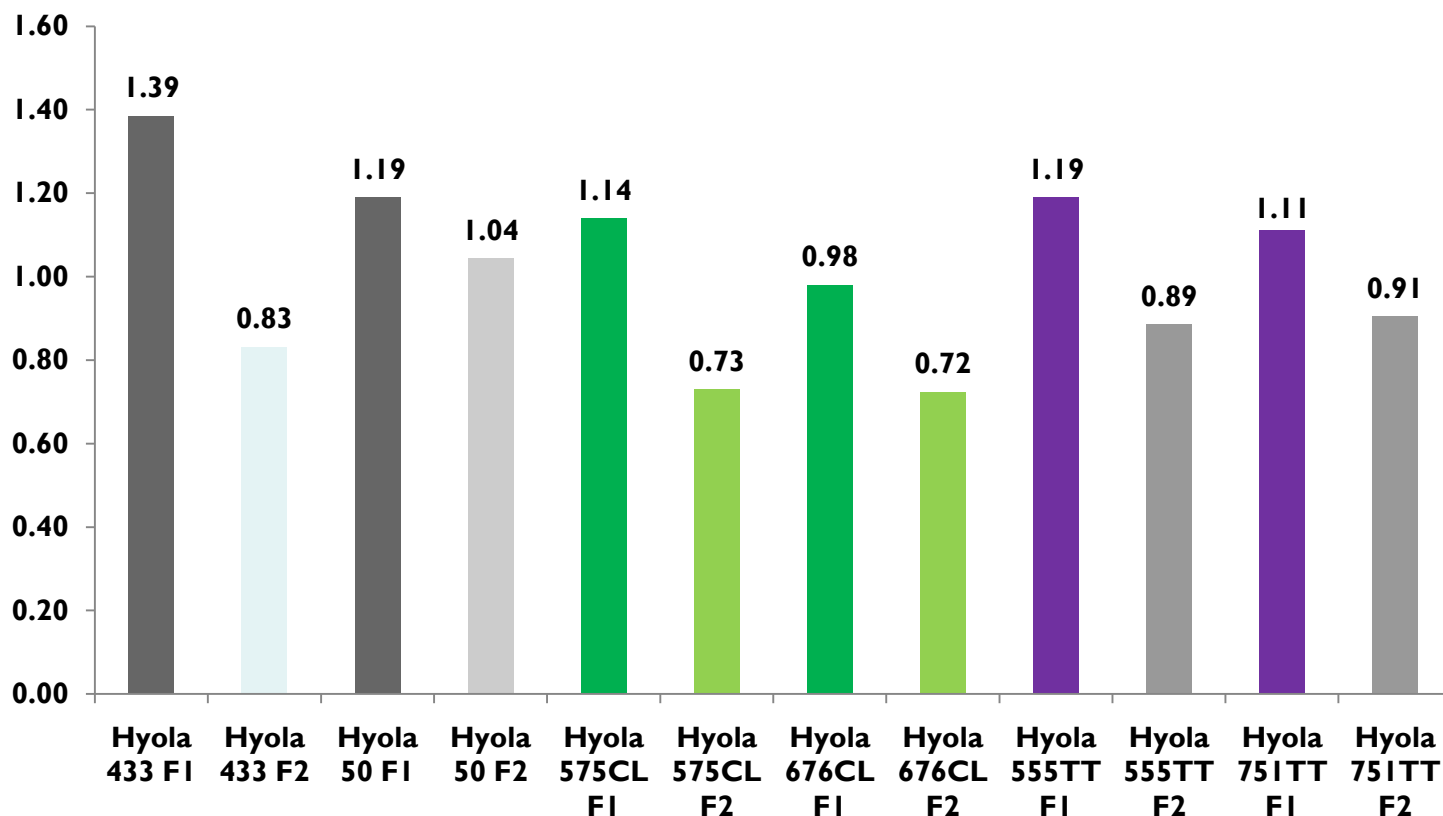


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WESTERN AUSTRALIAN HYOLA GENERATION 2 TRIALS - MEAN YIELD MT/HA F1 VS F2



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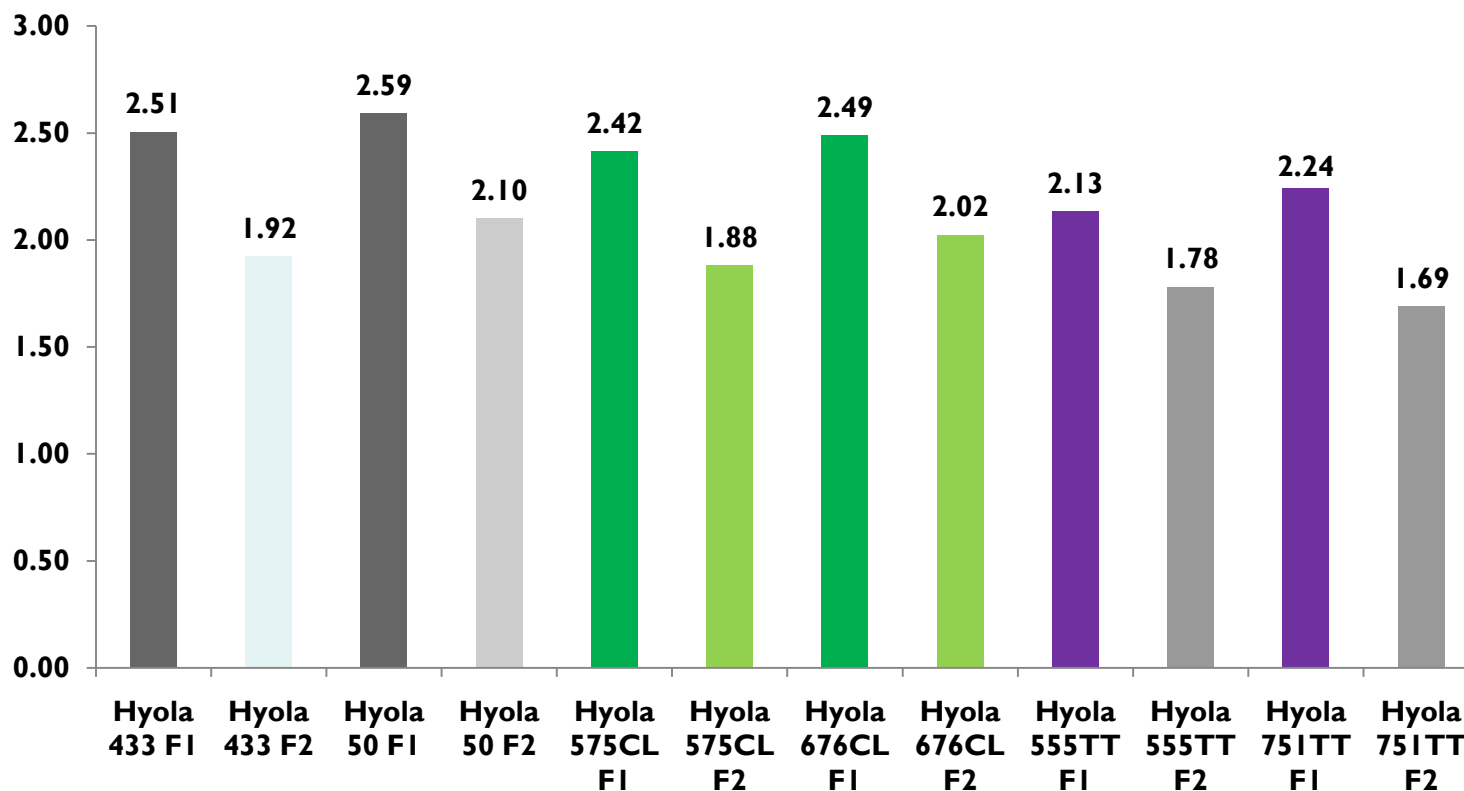
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SOUTH AUSTRALIAN HYOLA GENERATION - 4 TRIALS MEAN YIELD MT/HA F1 VS F2

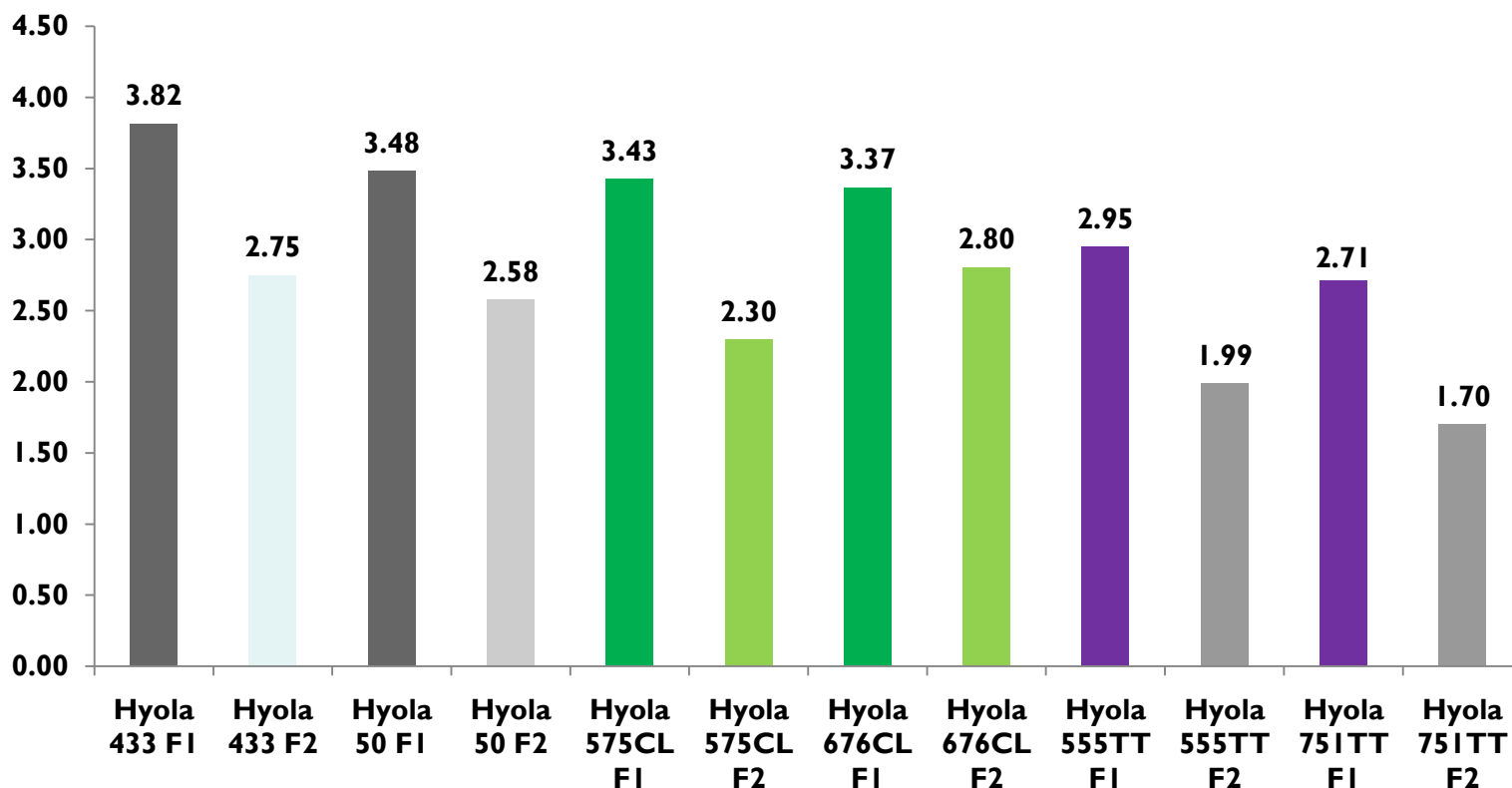


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VICTORIAN HYOLA GENERATION - 3 TRIALS MEAN YIELD MT/HA F1 VS F2

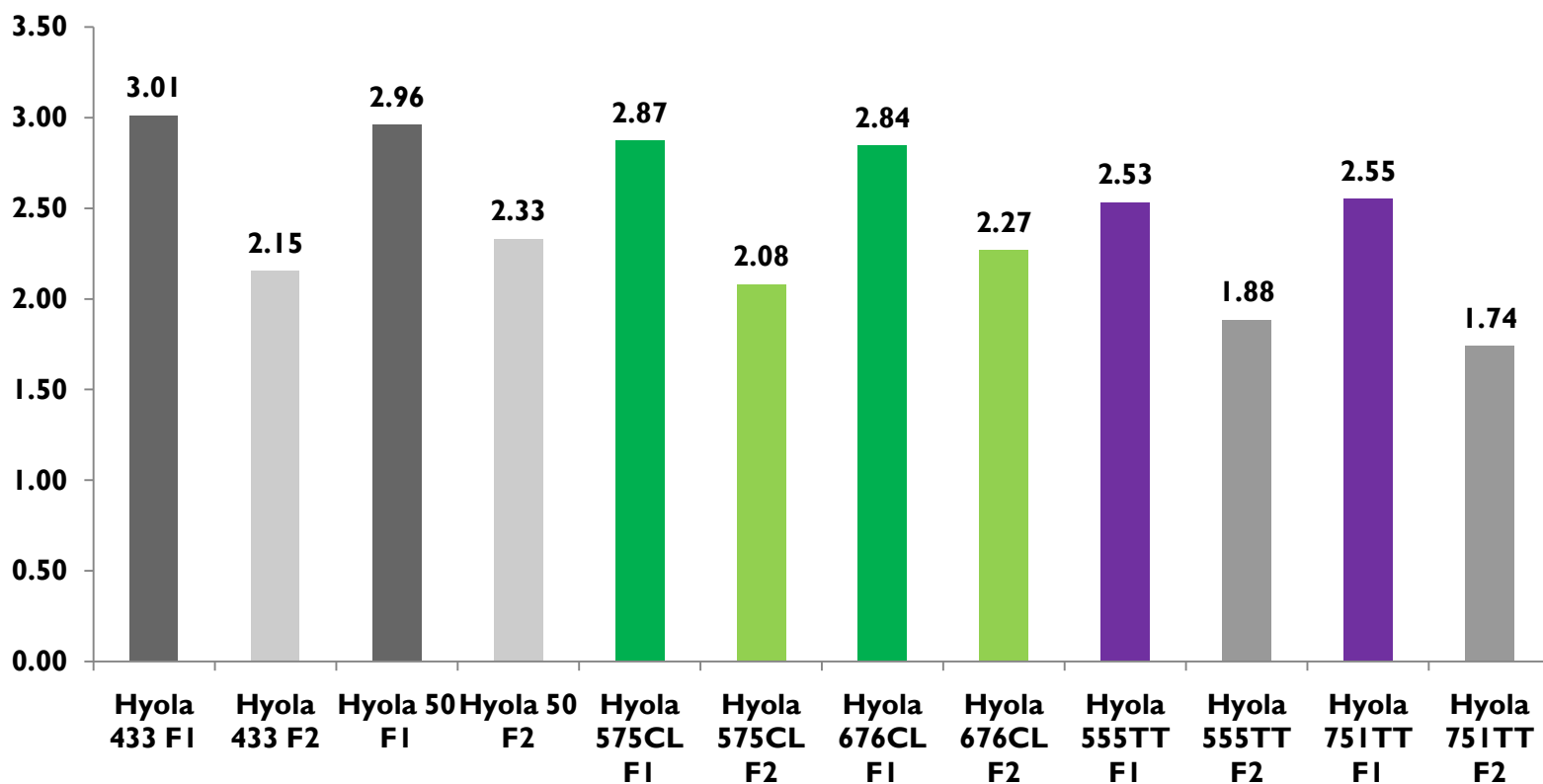


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NATIONAL HYOLA GENERATION - 15 TRIALS MEAN YIELD MT/HA F1 VS F2

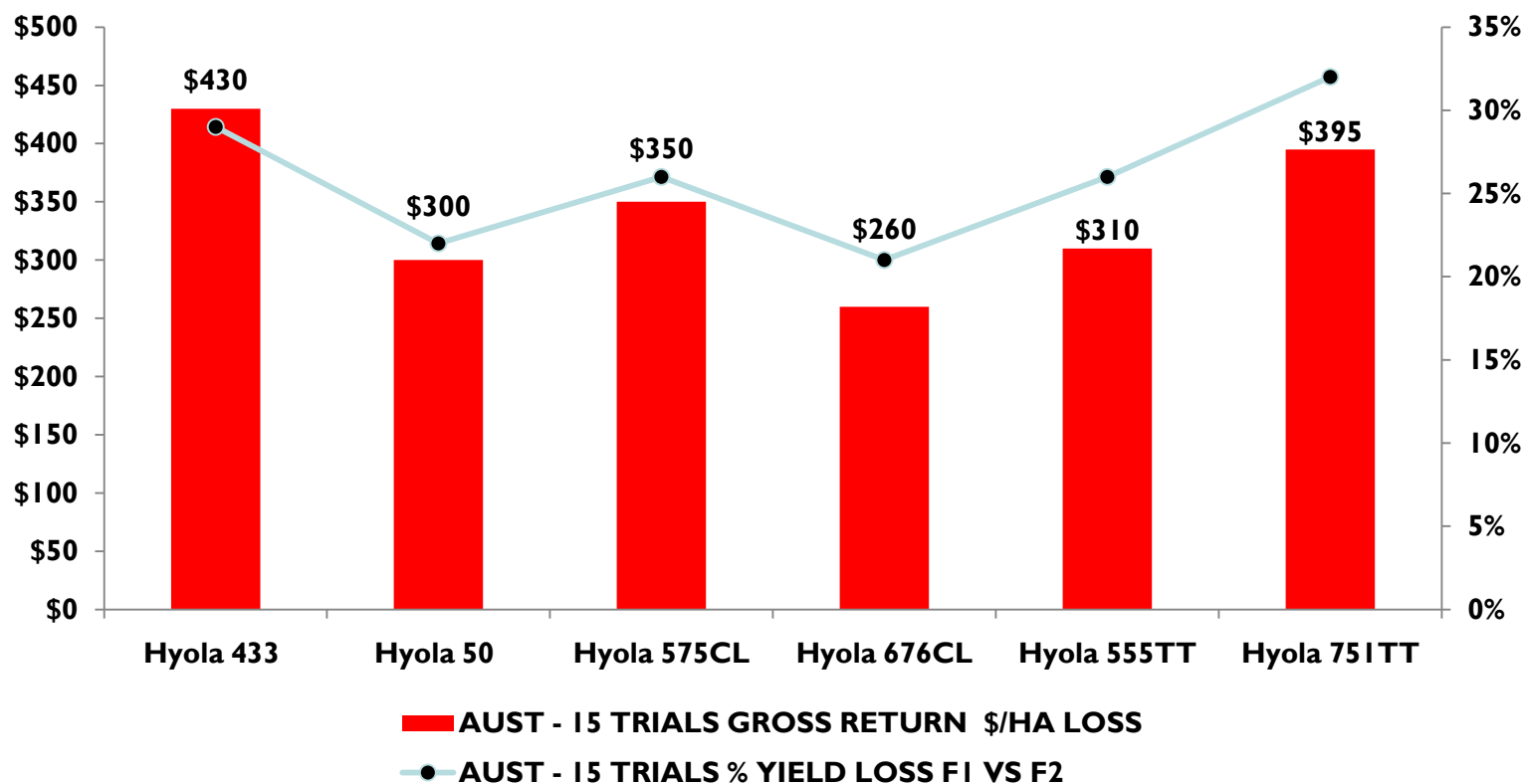


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NATIONAL HYOLA GENERATION - 15 TRIALS - F1 VS F2 %YIELD LOSS & GROSS RETURN \$/HA LOSS



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