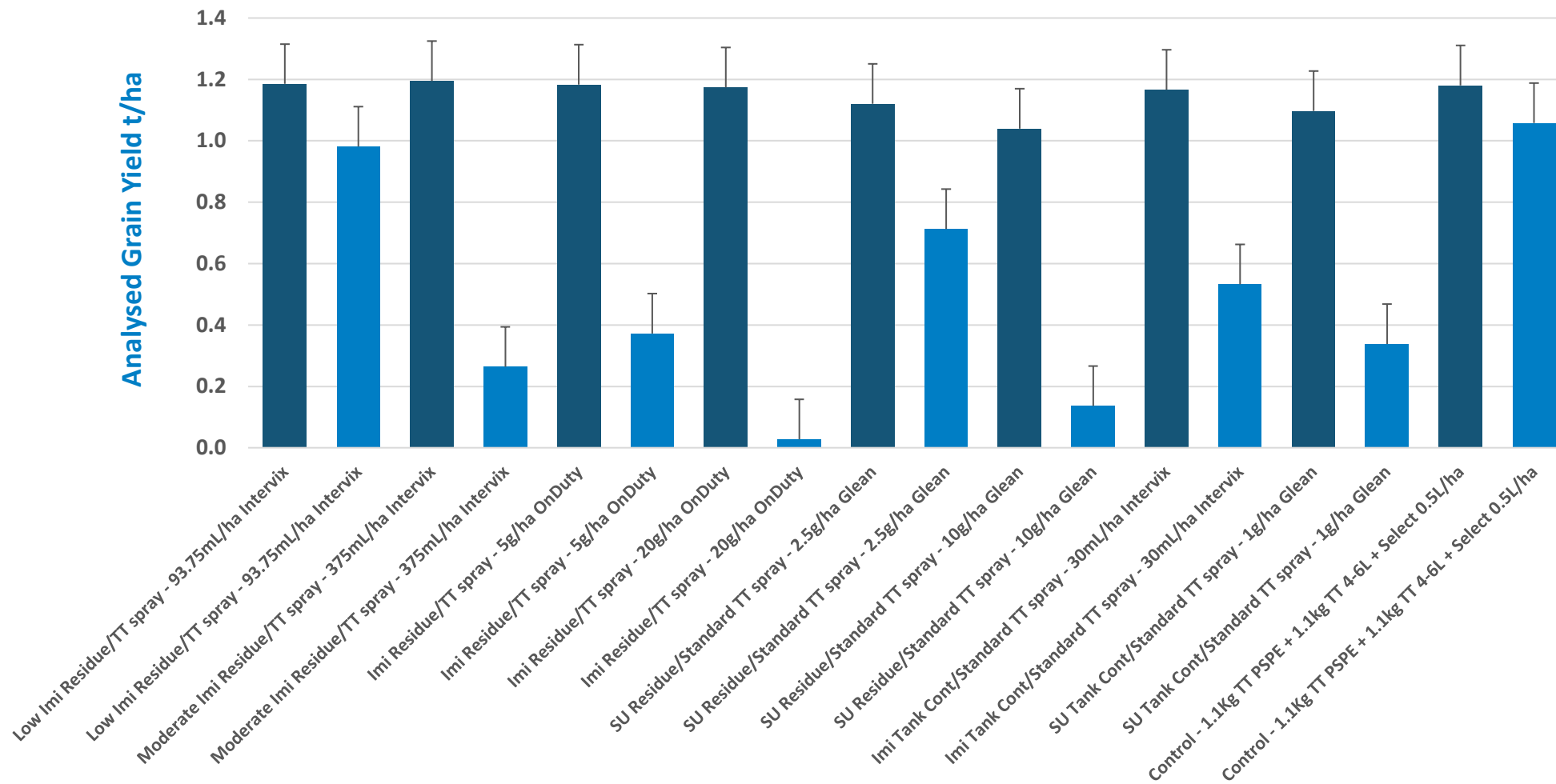


ANALYSED GRAIN YIELD T/HA

Visit www.pacificseeds.com.au for full report or [CLICK HERE](#)

2019 Watheroo WA - Hyola CT IMI Residue Trial Analysed Grain Yield Results



TREATMENT LISTING

Treatments:	TRT	Canola	Target Density	Herbicide Treatments by Active Ingredient and Application Timing		
Scenario	#	Variety	Seeding Rate	IBS (Code A)	PSPE (Code B)	Post Em (4-6 Leaf stage) (Code D)
Imi Residues/TT spray regime	1	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 93.75mL/ha Intervix	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	2	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 93.75mL/ha Intervix	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	3	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 375mL/ha Intervix	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	4	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 375mL/ha Intervix	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	5	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 5g/ha OnDuty	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	6	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 5g/ha OnDuty	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	7	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 20g/ha OnDuty	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
Imi Residues/TT spray regime	8	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 20g/ha OnDuty	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
SU Residues/TT spray regime	9	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 2.5 g/ha Glean	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
SU Residues/TT spray regime	10	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 2.5 g/ha Glean	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
SU Residues/TT spray regime	11	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 10 g/ha Glean	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
SU Residues/TT spray regime	12	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine + 10 g/ha Glean	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
IMI Tank contamination/TT spray regime	13	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine	1.1kg/ha Kelpie A-zine + 30mL/ha Intervix + 500mL/ha Select + 0.5% Uptake
IMI Tank contamination/TT spray regime	14	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine	1.1kg/ha Kelpie A-zine + 30mL/ha Intervix + 500mL/ha Select + 0.5% Uptake
SU Tank contamination/TT spray regime	15	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine	1.1kg/ha Kelpie A-zine + 1g/ha Glean + 500mL/ha Select + 0.5% Uptake
SU Tank contamination/TT spray regime	16	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine	1.1kg/ha Kelpie A-zine + 1g/ha Glean + 500mL/ha Select + 0.5% Uptake
control	17	Hyola 580CT	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake
control	18	ATR-Bonito	40/m2	1L/ha Rustler 500	1.1kg/ha Kelpie A-zine	1.1kg/ha Kelpie A-zine + 500mL/ha Select + 0.5% Uptake

SITE HERBICIDE BEHAVIOUR SUMMARY

2019 Watheroo WA

Varied establishment effects were mainly due to drier establishment conditions in May and pH related IMI & SU movement into azone within the roots of the young seedlings. The canola plants were impeded initially by dry conditions and then by specific treatments mainly being PSPE applied high rates of OnDuty[®] as well as low and high rates of Glean[®].

Acid soils both in the top 10cm and in the 10-20cm depth have led to faster Glean[®] breakdown where as not the case of IMI chemistry. Reasonable amounts of IMI remained in the root profile especially with the higher rates of both Intervix[®] and OnDuty[®] where the damage to yield was significant.

When the plants were older symptoms developed quite effectively with some treatments and because there was more acid at depth, changes to the movement pattern of different chemistries would have occurred. Roots did make it into the chemical zone relatively early in the crop growth and then crop damage occurred to varying levels depending on treatment.

Variations in solubility have effected the IMI chemistry breakdown (less movement for OnDuty[®] chemistry). 1g of Glean[®] tank-mix and 30ml Intervix[®] tank-mix contamination treatments over the top has significantly impacted plant growth and yield in the OP TT variety with no inbuilt CL protection.

The CT dual stack technology has shown very good resilience to Intervix[®] and OnDuty[®], as well as moderate tolerance to SU chemistry residue applied PSPE in this site. The OP TT variety had significantly lower yields with the higher rate of Intervix[®], the low and high rates of OnDuty[®] applied PSPE as well as the low and high rates of Glean[®] applied PSPE.



RAINFALL DISTRIBUTION DETAILS

