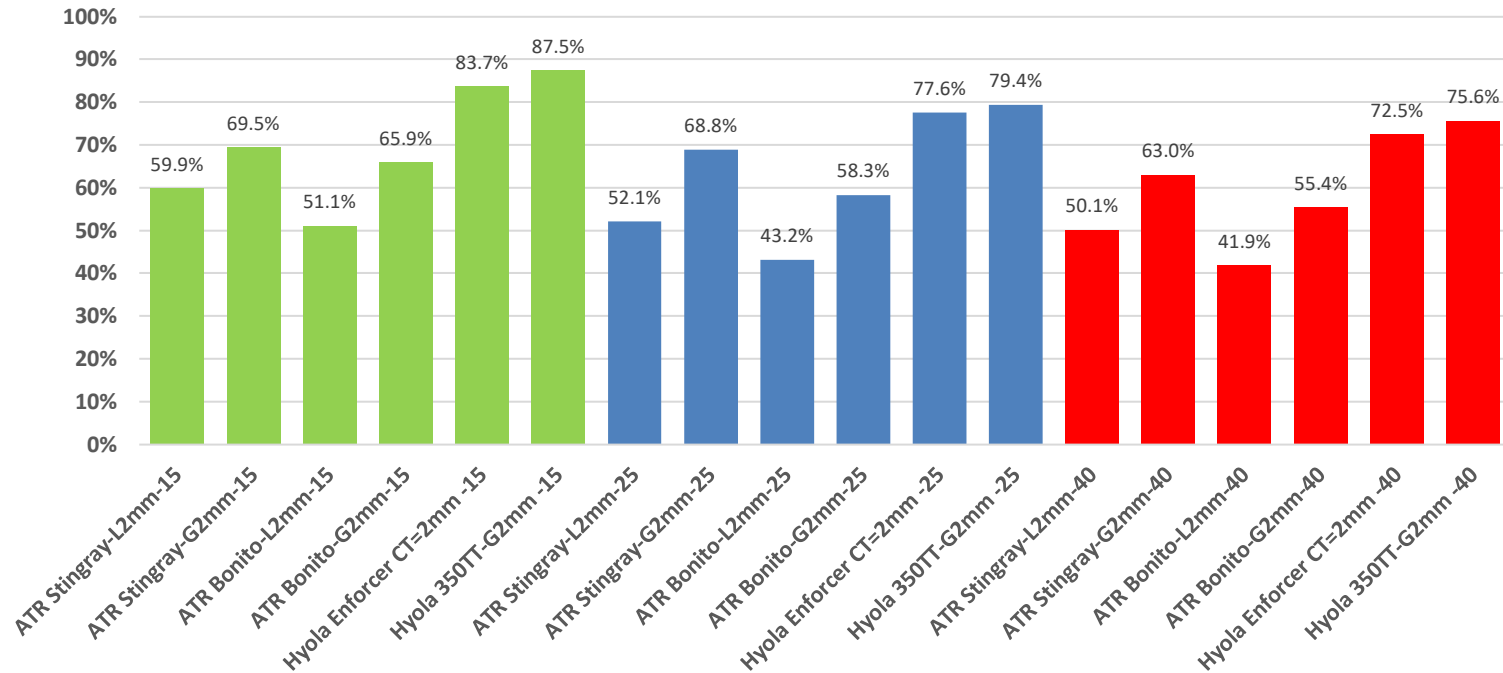


## 2020 Trial Methodology: Seed Quality, Sowing Rate and Seed Costs \$/ha Details

SEED SOURCE	Farmer Retained	Farmer Retained	Farmer Retained	Farmer Retained	Farmer Retained	Farmer Retained	Purchased	Experimental	Purchased	Purchased	Experimental	Purchased
CANOLA VARIETY	Bonito	Bonito	Stingray	Stingray	Gem	Gem	Hyola 350TT	CT200251	HyTtec Trophy	Hyola Enforcer CT	CT90001	Hyola 580CT
SEED SIZE (mm)	>2mm	<2mm	>2mm	<2mm	>2mm	<2mm	>2mm	<1.8mm	=2mm	=2mm	>2mm	=2mm
SEED TREATMENT	COM	COM	COM	COM	COM	COM	COM	BARE	COM	COM	BARE	COM
TSW Value	5.41	3.33	6.75	3.27	5.26	3.12	6.45	2.47	4.65	4.17	6.06	4.65
Seed Count per Kg	185,000	300,000	148,000	305,000	190,000	320,000	155,000	405,000	215,000	240,000	165,000	215,000
Germination %	97	94	97	95	94	91	90	98	100	99	98	98
Vigour %	91	88	96	84	88	84	98	82	90	96	92	97
Germination % Factorial	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
Establishment % Factorial	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
15p/m <sup>2</sup> seeds per packet	200 SEEDS	200 SEEDS	200 SEEDS	200 SEEDS	200 SEEDS	200 SEEDS	200 SEEDS	NA	NA	200 SEEDS	NA	NA
25p/m <sup>2</sup> seeds per packet	300 SEEDS	300 SEEDS	300 SEEDS	300 SEEDS	300 SEEDS	300 SEEDS	300 SEEDS	NA	NA	300 SEEDS	NA	NA
40p/m <sup>2</sup> seeds per packet	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS	500 SEEDS
Estimated Plants/m <sup>2</sup> @ 15	17	17	17	17	17	17	17	NA	NA	17	NA	NA
Estimated Plants/m <sup>2</sup> @ 25	25	25	25	25	25	25	25	NA	NA	25	NA	NA
Estimated Plants/m <sup>2</sup> @ 40	42	42	42	42	42	42	42	42	42	42	42	42
Plot size in m <sup>2</sup>	8	8	8	8	8	8	8	8	8	8	8	8
Effective seed rate kg/ha 15p/m <sup>2</sup>	1.35	0.83	1.69	0.82	1.32	0.78	1.61	0.62	1.16	1.04	1.52	1.16
Effective seed rate kg/ha 25p/m <sup>2</sup>	2.03	1.25	2.53	1.23	1.97	1.17	2.42	0.93	1.74	1.56	2.27	1.74
Effective seed rate kg/ha 40p/m <sup>2</sup>	3.38	2.08	4.22	2.05	3.29	1.95	4.03	1.54	2.91	2.60	3.79	2.91
Seed Cost \$/ha 15p/m <sup>2</sup> Target	\$4.05	\$2.50	\$5.10	\$2.50	\$3.95	\$2.35	\$40.00	NA	NA	\$30.00	NA	NA
Seed Cost \$/ha 25p/m <sup>2</sup> Target	\$6.10	\$3.75	\$7.60	\$3.70	\$5.90	\$3.50	\$60.00	NA	NA	\$45.00	NA	NA
Seed Cost \$/ha 40p/m <sup>2</sup> Target	\$10.15	\$6.25	\$12.65	\$6.15	\$9.90	\$5.85	\$101.00	\$45.00	\$58.00	\$75.00	\$110.00	\$84.00

# 2020 Mean Plant Population Established per m<sup>2</sup> comparing OP TT vs Hybrid CT & TT - Population Targets 15, 25 & 40p/m<sup>2</sup>

2020 - Mean % of Analysed Establishment of Target Population across 9 Trials



## 2020 MET Analysis Grain Yield (t/ha) Results

Entry	TGV_Yield_t/ha_Cluster_1	Yield_t/ha_20STPVS8_KOJ	Yield_t/ha_20STPVS8_LKB	Yield_t/ha_20STPVS8_LKH	Yield_t/ha_20STPVS8_YAR	Yield_t/ha_20STPVS8_HOR	Yield_t/ha_20STPVS8_WAL	Entry	Yield_t/ha_Cluster_2	Yield_t/ha_20STPVS8_YUN	Yield_t/ha_20STPVS8_MEK	Yield_t/ha_20STPVS8_KAT
CT200251-L1.8mm-40	3.327	2.188	2.771	3.422	3.443	4.271	3.885	HyTTec Trophy=2mm-40	2.348	1.806	1.881	3.288
Hyola Enforcer CT=2mm-40	3.325	2.293	3.080	3.179	3.494	3.865	3.812	Hyola Enforcer CT=2mm-40	2.264	1.699	1.817	3.207
HyTTec Trophy=2mm-40	3.241	2.277	3.056	3.070	3.435	3.653	3.703	Hyola 350TT-G2mm-40	2.228	1.694	1.794	3.128
Hyola Enforcer CT=2mm-25	3.165	2.206	2.869	3.099	3.354	3.676	3.642	Hyola 350TT-G2mm-25	2.088	1.546	1.690	2.959
Hyola 350TT-G2mm-40	3.048	2.186	2.846	2.938	3.273	3.365	3.487	Hyola Enforcer CT=2mm-25	2.087	1.518	1.687	2.988
Hyola Enforcer CT=2mm-15	3.004	2.104	2.618	3.048	3.206	3.534	3.479	Hyola 350TT-G2mm-15	1.987	1.447	1.617	2.829
Hyola 350TT-G2mm-25	2.958	2.130	2.707	2.909	3.191	3.285	3.396	ATR Gem-G2mm-40	1.969	1.436	1.604	2.799
Hyola 350TT-G2mm-15	2.832	2.068	2.559	2.832	3.084	3.112	3.259	Hyola 580CT=2mm-40	1.960	1.428	1.597	2.786
ATR Stingray-G2mm-25	2.766	2.000	2.381	2.870	3.011	3.152	3.209	ATR Bonito-G2mm-40	1.918	1.378	1.565	2.741
ATR Gem-G2mm-40	2.759	2.038	2.493	2.772	3.025	2.986	3.174	ATR Gem-G2mm-25	1.867	1.334	1.529	2.670
ATR Bonito-G2mm-40	2.758	2.029	2.466	2.790	3.020	3.016	3.178	ATR Stingray-G2mm-40	1.845	1.295	1.511	2.659
ATR Stingray-G2mm-40	2.748	2.013	2.423	2.809	3.006	3.045	3.175	ATR Stingray-L2mm-40	1.839	1.289	1.507	2.652
ATR Stingray-L2mm-40	2.748	2.012	2.420	2.811	3.005	3.047	3.175	Hyola Enforcer CT=2mm-15	1.833	1.248	1.499	2.681
Hyola 580CT=2mm-40	2.743	2.030	2.475	2.760	3.011	2.961	3.155	ATR Gem-L2mm-40	1.803	1.270	1.482	2.588
ATR Bonito-L2mm-40	2.669	1.968	2.315	2.773	2.937	2.955	3.092	ATR Bonito-G2mm-25	1.794	1.249	1.474	2.591
ATR Stingray-G2mm-15	2.669	1.935	2.217	2.848	2.920	3.080	3.113	ATR Bonito-L2mm-40	1.751	1.198	1.442	2.543
ATR Bonito-G2mm-25	2.662	1.973	2.331	2.749	2.934	2.913	3.078	ATR Stingray-G2mm-25	1.729	1.161	1.424	2.532
ATR Gem-G2mm-25	2.653	1.982	2.360	2.713	2.933	2.850	3.059	ATR Gem-L2mm-25	1.682	1.154	1.394	2.431
ATR Stingray-L2mm-25	2.646	1.945	2.253	2.785	2.911	2.969	3.074	ATR Stingray-L2mm-25	1.660	1.098	1.374	2.439
ATR Gem-L2mm-40	2.577	1.944	2.269	2.668	2.869	2.749	2.977	CT200251-L1.8mm-40	1.630	0.975	1.344	2.502
ATR Bonito-L2mm-25	2.467	1.861	2.059	2.662	2.761	2.699	2.873	ATR Bonito-G2mm-15	1.609	1.071	1.339	2.348
ATR Gem-G2mm-15	2.463	1.867	2.077	2.643	2.761	2.666	2.864	ATR Gem-G2mm-15	1.593	1.046	1.327	2.339
ATR Stingray-L2mm-15	2.432	1.845	2.022	2.638	2.732	2.647	2.834	ATR Bonito-L2mm-25	1.551	0.997	1.295	2.293
ATR Gem-L2mm-25	2.414	1.864	2.082	2.564	2.730	2.517	2.796	ATR Stingray-G2mm-15	1.551	0.971	1.293	2.321
ATR Bonito-G2mm-15	2.405	1.848	2.039	2.583	2.717	2.547	2.793	ATR Stingray-L2mm-15	1.532	0.979	1.281	2.266
ATR Gem-L2mm-15	2.243	1.754	1.809	2.515	2.573	2.376	2.625	ATR Gem-L2mm-15	1.399	0.852	1.184	2.091
ATR Bonito-L2mm-15	2.198	1.728	1.746	2.496	2.533	2.327	2.578	ATR Bonito-L2mm-15	1.341	0.793	1.142	2.021
Mean Analysed Yield (t/ha)	2.732	2.000	2.390	2.810	2.990	3.040	3.160	Mean Analysed Yield (t/ha)	1.803	1.250	1.480	2.610

# 2020 MET Analysed Grain Yield Converted to Gross Returns \$/ha Results Expressed against Baseline (Key Grower Option) ATR Bonito >2mm @ 40 p/m<sup>2</sup> target

Entry	GR \$/ha_Cluster_1	GR \$/ha_20STPvS8_KOI	GR \$/ha_20STPvS8_LKB	GR \$/ha_20STPvS8_LKH	GR \$/ha_20STPvS8_YAR	GR \$/ha_20STPvS8_HOR	GR \$/ha_20STPvS8_WAL	Entry	GR \$/ha_Cluster_2	GR \$/ha_20STPvS8_YUN	GR \$/ha_20STPvS8_MEK	GR \$/ha_20STPvS8_KAT
CT200251-L1.8mm-40	\$321	\$71	\$160	\$358	\$234	\$733	\$405	HyTec Trophy=2mm-40	\$196	\$198	\$131	\$261
Hyola Enforcer CT=2mm-40	\$289	\$104	\$316	\$183	\$235	\$460	\$332	Hyola Enforcer CT=2mm-40	\$152	\$135	\$94	\$228
HyTec Trophy=2mm-40	\$223	\$88	\$287	\$103	\$182	\$313	\$246	Hyola 350TT-G2mm-40	\$105	\$106	\$54	\$155
Hyola Enforcer CT=2mm-25	\$223	\$81	\$219	\$165	\$181	\$376	\$260	Hyola 350TT-G2mm-25	\$62	\$58	\$33	\$94
Hyola 350TT-G2mm-40	\$97	\$14	\$149	\$12	\$76	\$134	\$111	Hyola Enforcer CT=2mm-25	\$77	\$56	\$46	\$127
Hyola Enforcer CT=2mm-15	\$142	\$35	\$83	\$149	\$107	\$306	\$177	Hyola 350TT-G2mm-15	\$22	\$19	\$9	\$37
Hyola 350TT-G2mm-25	\$84	\$21	\$107	\$36	\$68	\$127	\$97	ATR Gem-G2mm-40	\$41	\$42	\$31	\$49
Hyola 350TT-G2mm-15	\$29	\$4	\$38	\$9	\$24	\$43	\$34	Hyola 580CT=2mm-40	-\$39	-\$37	-\$47	-\$33
ATR Stingray-G2mm-25	\$22	-\$5	-\$37	\$64	\$12	\$99	\$37	ATR Bonito-G2mm-40	\$0	\$0	\$0	\$0
ATR Gem-G2mm-40	\$15	\$16	\$28	\$3	\$19	-\$3	\$14	ATR Gem-G2mm-25	-\$16	-\$15	-\$10	-\$25
ATR Bonito-G2mm-40	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ATR Stingray-G2mm-40	-\$37	-\$45	-\$27	-\$38
ATR Stingray-G2mm-40	\$6	-\$2	-\$16	\$23	\$5	\$30	\$12	ATR Stingray-L2mm-40	-\$34	-\$42	-\$23	-\$36
ATR Stingray-L2mm-40	\$12	\$4	-\$11	\$30	\$11	\$38	\$18	Hyola Enforcer CT=2mm-15	-\$61	-\$91	-\$52	-\$42
Hyola 580CT=2mm-40	-\$69	-\$63	-\$56	-\$78	-\$64	-\$92	-\$72	ATR Gem-L2mm-40	-\$55	-\$53	-\$38	-\$74
ATR Bonito-L2mm-40	-\$49	-\$32	-\$86	-\$6	-\$46	-\$32	-\$47	ATR Bonito-G2mm-25	-\$69	-\$72	-\$50	-\$86
ATR Stingray-G2mm-15	-\$34	-\$41	-\$132	\$54	-\$40	-\$96	-\$18	ATR Bonito-L2mm-40	-\$96	-\$103	-\$70	-\$114
ATR Bonito-G2mm-25	-\$53	-\$29	-\$77	-\$20	-\$47	-\$57	-\$56	ATR Stingray-G2mm-25	-\$101	-\$121	-\$74	-\$109
ATR Gem-G2mm-25	-\$45	-\$14	-\$48	-\$28	-\$33	-\$80	-\$51	ATR Gem-L2mm-25	-\$125	-\$121	-\$89	-\$166
ATR Stingray-L2mm-25	-\$47	-\$34	-\$109	\$18	-\$44	-\$7	-\$40	ATR Stingray-L2mm-25	-\$139	-\$154	-\$100	-\$161
ATR Gem-L2mm-40	-\$90	-\$37	-\$102	-\$55	-\$71	-\$141	-\$101	CT200251-L1.8mm-40	-\$198	-\$269	-\$160	-\$165
ATR Bonito-L2mm-25	-\$167	-\$93	-\$236	-\$70	-\$148	-\$182	-\$175	ATR Bonito-G2mm-15	-\$177	-\$176	-\$129	-\$228
ATR Gem-G2mm-15	-\$157	-\$81	-\$215	-\$68	-\$134	-\$189	-\$166	ATR Gem-G2mm-15	-\$179	-\$186	-\$129	-\$222
ATR Stingray-L2mm-15	-\$174	-\$92	-\$247	-\$70	-\$150	-\$199	-\$183	ATR Bonito-L2mm-25	-\$212	-\$220	-\$154	-\$261
ATR Gem-L2mm-25	-\$186	-\$82	-\$212	-\$115	-\$152	-\$277	-\$206	ATR Stingray-G2mm-15	-\$205	-\$232	-\$151	-\$233
ATR Bonito-G2mm-15	-\$204	-\$101	-\$248	-\$117	-\$174	-\$273	-\$223	ATR Stingray-L2mm-15	-\$214	-\$224	-\$155	-\$264
ATR Gem-L2mm-15	-\$287	-\$147	-\$374	-\$143	-\$245	-\$361	-\$308	ATR Gem-L2mm-15	-\$294	-\$301	-\$213	-\$369
ATR Bonito-L2mm-15	-\$325	-\$171	-\$421	-\$168	-\$282	-\$402	-\$349	ATR Bonito-L2mm-15	-\$335	-\$340	-\$245	-\$421
Mean Analysed Yield (t/ha)	2.732	2.000	2.390	2.810	2.990	3.040	3.160	Mean Analysed Yield (t/ha)	1.803	1.250	1.480	2.610