

Table 3: Cost effectiveness by planting year across all treatments.

	Treatment	Total Survival	Survival/30m	Drill cost/survivor	Intervention s cost/80%	Interventions Cost/60%	Hand planted cost equivalent	Cost ratio
2018-19 Planting	CNS	0.020	0.714	\$9.74	n/a	n/a	\$25.20	2.59
	CS	0.003	0.125	\$55.68	n/a	n/a	\$144.00	2.59
	NCNS	0.017	0.625	\$11.14	\$8.59	\$11.45	\$28.80	2.59
	NCS	0.021	0.750	\$9.28	\$8.59	\$11.45	\$24.00	2.59
2019-20 Planting	CNS	0.002	0.056	\$125.28	n/a	n/a	\$324.00	2.59
	CS	0.004	0.111	\$62.64	n/a	n/a	\$162.00	2.59
	NCNS	0.003	0.083	\$83.52	\$10.31	\$13.74	\$216.00	2.59
	NCS	0.019	0.583	\$11.93	\$10.31	\$13.74	\$30.86	2.59

Treatments: CNS (Cattle + No Shade); CS (Cattle +Shade); NCNS (No Cattle + No Shade); NCS (No Cattle + Shade). Costs are considered using \$20/hr for labor and \$40/hr for tractor time. ‘Intervention costs’ include time and materials needed to add tree shelters and irrigation to individual acorn plantings.