

Table 1

Cost of self-propelled harvester												
Lifetime (hour)	Average annual use (hour)	Size of harvest (Ton)	Depreciation (R / hour)	Insurance and licence (R / hour)	Cost of interest (R / hour)	Total fixed cost (R / hour)	Total fixed cost without interest (R / hour)	Repair and maintenance (R / hour)	Fuel (R / hour)	Total variable cost (R / hour)	Total cost	
											(R / hour)	(R / Ton)
5,000	100	1,000	360	550	1,210	2,120	910	140	140	280	2,400	240
5,000	150	1,500	360	367	807	1,533	727	140	140	280	1,813	181
5,000	200	2,000	360	275	605	1,240	635	140	140	280	1,520	152
5,000	250	2,500	360	220	484	1,064	580	140	140	280	1,344	134
5,000	300	3,000	360	183	403	947	543	140	140	280	1,227	123
5,000	400	4,000	360	138	303	800	498	140	140	280	1,080	108
									Scrap value		200,000	
Purchase price											2,000,000	
Capacity (tons per hour)											10.00	
Fuel consumption per hour (litres)											20.00	
Fuel cost (R / litre)											7.00	
Interest rate											11%	
Repairs											35%	
Insurance and Licence											5%	
									Average investment		1,100,000	

Table 2

Cost of tractor-drawn harvester													
Lifetime	Average annual use	Size of harvest	Depreciation	Insurance and licence	Cost of interest	Total fixed cost	Total fixed cost without interest	Repair and maintenance	Total variable cost	Total cost	Tractor cost 4 X 4 high propulsion	Total cost Harvester and tractor	Cost per ton
(hour)	(hour)	(Ton)	(R / hour)	(R / hour)	(R / hour)	(R / hour)	(R / hour)	(R / hour)	(R /hour)	(R / hour)	(R / hour)	(R / hour)	(R / ton)
4,000	50	350	225	550	1,210	1,985	775	88	88	2,073	156	2,228	318
4,000	71	500	225	385	847	1,457	610	88	88	1,545	156	1,700	243
4,000	93	650	225	296	652	1,173	521	88	88	1,260	156	1,416	202
4,000	114	800	225	241	529	995	466	88	88	1,083	156	1,238	177
4,000	143	1000	225	193	424	841	418	88	88	929	156	1,084	155
4,000	171	1200	225	160	353	738	385	88	88	826	156	982	140
4,000	214	1500	225	128	282	636	353	88	88	723	156	879	126
4,000	286	2000	225	96	212	533	321	88	88	621	156	776	111
										Scrap value		100,000	
Purchase price												1,000,000	
Capacity (tons per hour)												7	
Repair and maintenance												35%	
Tractor used (kW)												56	
Interest rate												11%	
										Average investment		550,000	

Table 3

Cost of mechanical pruner											
Type of pruner	Purchase price	Depreciation	Interest	Total fixed cost	Repair and maintenance as % of new price	Repair and maintenance	Total cost	Total cost without interest	Tractor cost	Total cost	
	(R)	(R / hour)	(R / hour)	(R / hour)		(R / hour)	(R / hour)	(R / hour)	(R / hour)	(R / hour)	(R / Ha)
Half row - Type 1	145,000	26	44	70	30%	8.70	79	35	145	223	972
Full Row - Type 2	300,000	54	91	145	30%	18.00	163	72	145	308	669