Comparison Chart for Attachments

			Maximum Efficient Extraction Distance				
	Cost	**Prime Mover**	**Skidding**	**Forwarding**	**Productivity**	**Limitations**	**Advantages**
Cable alone Steel cable Synthetic fibre cable	$100 $300	ATV	30 m		0.5 m3/hr	- Not very efficient. - Danger of back flipping prime mover.	- Low cost . - Need only a place to attach the cable to ATV. - Can be used with skidding cone, pan or grapple. - Suitable for limited use or high value logs. - Good for an average annual harvest of 18 m3.
Homemade ATV Sled	Less than $100	ATV	500 m		0.2 m3/hr	- Cannot be purchased.	- Reduces friction, and keeps logs cleaner than standard skidding. - Plans are available. - Good for an average annual harvest of 18 m3.
Self Loading Sled	$500	ATV Small Tractor	500 m		0.2-0.5 m3/hr		- Self loading feature reduces work load for operator. - Sled is light enough to be manually positioned over the end of the log and can be tied some distance from the ATV. - Lifts one end of the log off the ground reducing friction and keeping wood cleaner. - Good for extracting logs that are located behind stumps. - Good for an average annual harvest of 54 m3.

2 wheel Sulky self loading with manual winch with electric winch	$800 $900 $1200	ATV Small Tractor Horse		500 m	0.2 - 0.5 m3/hr	- With self loading models, terrain and brush must allow you to get your equipment right up to the log for loading. - Can reduce weight on front tires which can make steering difficult.	- Keeps the weight off back of machine. - Self loading sulkies are fast. - Reduces power demands on ATV. - Reduces skidding related trail damage. - Some sulkies are designed to be positioned at the back of load on a tractor to forward the wood. - Good for an average annual harvest of 70 m3.
Small Trailers with manual loading winch with electric loading winch	$2,500 $2,800	ATV Small Tractor Horse		1 km	0.8 m3/hr	- Requires good terrain. - Requires a trail network.	- Reduces ground disturbance. - Wood is cleaner than if it had been skidded. - Good for an average annual harvest of 110 m3.
Small Trailer with hydraulic loader	$10,000	ATV Tractor		1 km	0.8 m3/hr	- Requires good terrain. - Requires a trail network.	- Reduces ground disturbance. - Wood is cleaner than if it had been skidded. - Very efficient loading and unloading allowing you to move more wood.
Commercial Tractor Skidding Winch	$2,000 $3,000 $5,000	Tractor with 20-30 HP 40-80 HP 75-100 HP	30-60 m	500 m	2.0-5 m3/hr	- Requires well planned layout and harvest operation. - Must be sized right for tractor. - May require the addition of counter weighting on front of tractor. - Requires a vigilant operator to ensure the safety of those involved in logging operation.	- Allows farm tractor to stay on main trails, thus reducing wear and tear on tractor. - Good for extraction from soft or sensitive sites. - Many makes and models to choose from. - Retain value very well. - Simple technology, low maintenance and extremely reliable. - Some sulkies are designed to be positioned at the back of load on a tractor to forward the wood. - Good for an average annual harvest of 70 m3 for smaller tractor up to 1800 m3 for larger tractors.

Home made Tractor Skidding bar with electric winch	$200 $250-500	Tractor with 30-50 HP	100 m		1-2 m3/hr	- Without a means to pile wood a large landing is required for skidding tree lengths. - Significant risk of backflip if load catches on an obstacle during travel.	- Low cost. - Keeps end of log off ground for easier pulling and cleaner logs. - Good for an average annual harvest of 36 m3.
Tractor butt plate	$400	Tractor 30-50 HP	100 m		1-2 m3/hr	- Without a means to pile wood a large landing is required for skidding tree lengths. - Significant risk of backflip if load catches on an obstacle during travel.	- Low cost. - Can have hinges so that it can lift over obstacles. - Can be designed to lift load for better ground clearance. - Good for an average annual harvest of 36 m3.
Powered Trailer commercially built from an old truck	$3,600-$7,200	Tractor		1 km		- Requires good terrain. - Requires a trail network.	- Reduces ground disturbance. - Wood is cleaner than if it had been skidded. - Turns a 2WD tractor into a 4WD unit. - Good for an average annual harvest of 3600 m3.
Tractor Back Rack	$300-$400	Tractor		150 m	1-3 m3/hr 15-30 cords/yr	- Manual loading can be difficult for large amounts and large piece size. - Not available commercially. - Requires counter weighs on front of tractor. - Requires good terrain.	- Best for pulpwood or small firewood (4'-8'). - A rack on the front can be used as counter weight. - Good for an average annual harvest of 55-110 m3.
Tractor Fork Lift	$500-$1,000	Tractor		150 m	1-2 m3/hr	- Requires good terrain.	- Makes a good pair with a back rack. - Good for an average annual harvest of 55-110 m3.