



	Silica Sand	Steel Grit
Consumption Rate	1000 lb/hr	2500 lb/hr
Blasting time 4hr/day x 5 days/wk x 52 wks/yr	1040 hrs/yr	1040 hrs/yr
Abrasive use (No recovery) using 3/8" nozzle	520 tons/yr	1300 tons/yr
	0.5 tons/hr	1.25 tons/hr
Abrasive use (Using recovery)	520 tons/yr	6.5 tons/yr
Recovery cycles per ton	none	200 cycles/ton
Labor use, Loading & Unloading	347 hrs/yr	13 hrs/yr
Average labor loading / unloading per ton	40 min/ton	15 min/ton
Abrasive material cost based on average price / ton	\$52	\$6,825 \$1,050
Labor cost loading / unloading Average of \$15/hr	\$30	\$390 \$30
Total Annual Cost	\$37,440 total cost	\$7,215 total cost

Total Savings using Recovery \$30,225

	Black Beauty	Steel Grit
Consumption Rate	490 lb/hr	1750 lb/hr
Blasting time 4hr/day x 5 days/wk x 52 wks/yr	1040 hrs/yr	1040 hrs/yr
Abrasive use (No recovery) using 5/16" nozzle	254.8 tons/yr	910 tons/yr
	0.245 tons/hr	0.875 tons/hr
Abrasive use (Using recovery)	254.8 tons/yr	4.55 tons/yr
Recovery cycles per ton	none	200 cycles/ton
Labor use, Loading & Unloading	127 hrs/yr	13 hrs/yr
Average labor loading / unloading per ton	30 min/ton	15 min/ton
Abrasive material cost based on average price / ton	\$38,220 \$150	\$4,778 \$1,050
Labor cost loading / unloading Average of \$15/hr	\$3,822 \$30	\$390 \$30
Total Annual Cost	42,042 total cost	\$5,168 total cost

Total Savings using Recovery \$36,875