

October 2005

Invest in a Trimble® AgGPS® Autopilot™ system to realize the following savings:

VARIABLES AND ASSUMPTIONS:

INPUTS	
Implement width	30 feet
RTK efficiency	100%
HP efficiency	98%
DGPS efficiency	95%
No guidance	80%
Operational speed	6 mph
Farm fuel cost (\$/gallon)	\$2.30
Vehicle fuel use (gallon/hour)	15
Lease rate (\$/hp/hour)	\$0.15
Vehicle horsepower	235
Labor cost	\$10.00
Area (acres)	1000



TOTAL SAVINGS:

LEVEL OF ACCURACY	RTK	HP	DGPS
Area per hour with guidance (acres/hour)	21.8	21.4	20.7
Area per hour without guidance (acres/hour)	17.5	17.5	17.5
Time in the field with guidance (hours)	45.8	46.8	48.2
Time in the field without guidance (hours)	57.3	57.3	57.3
Fuel savings with guidance	\$395.31	\$363.04	\$312.09
Time savings with guidance (hours)	11.5	10.5	9.0
Labor cost savings	\$114.60	\$105.20	\$90.50
Lease savings	\$403.91	\$370.93	\$318.87
Savings per 1000 acre	\$913.80	\$839.21	\$721.42
Savings per acre	\$0.91	\$0.84	\$0.72