

October 2005

PROFILE:

Area farmed (acres)	1,000 corn and soybean application
Trimble systems used	AgGPS® EZ-Guide® Plus lightbar guidance and AgGPS EZ-Steer™ assisted steering systems
System cost	\$6,560
Payback	8.8 months



GENERAL FARM COSTS:

FARM COST ASSUMPTIONS	NO GPS
Seed cost per acre per single application (\$/acre)	\$32
Average chemical cost per application including application cost (\$/acre)	\$22
Average fertilizer cost per application including application cost (\$/acre)	\$80
Fuel cost (\$/gallon)	\$1.80
Labor rate (\$/hour)	\$7.50

TOTAL COSTS AND SAVINGS:

COSTS	NO GPS	EZ-GUIDE PLUS & EZ-STEER	SAVINGS
Labor cost	\$2,306.39	\$1,494.79	\$811.60
Input cost	\$156,000.00	\$153,133.33	\$2,866.66
Fuel used (gallons)	2,921.49	2,167.01	754.48
Fuel cost	\$5,258.69	\$3,900.62	\$1,358.07

CORN/SOYBEAN AVERAGES:

INPUTS	NO GPS	EZ-GUIDE PLUS & EZ-STEER	EFFICIENCY INCREASE
Fuel use rate (gallon/hour)	9	9	
Implement width (feet)	40	40	
Overlap (inches)	18	7	2.3%
Speed (mph)	8	10	25%
Labor productivity (acres/hour)	40	53	32.5%

ASSUMPTIONS: Averages consist of tillage and field preparation, planting, spraying, fertilization, and harvesting.

October 2005

PROFILE:

Area farmed (acres)	1,000 corn and soybean application
Trimble systems used	AgGPS® EZ-Steer™ assisted steering system
System cost	\$3,495
Payback	4.7 months



GENERAL FARM COSTS:

FARM COST ASSUMPTIONS	NO GPS
Seed cost per acre per single application (\$/acre)	\$32
Average chemical cost per application including application cost (\$/acre)	\$22
Average fertilizer cost per application including application cost (\$/acre)	\$80
Fuel cost (\$/gallon)	\$1.80
Labor rate (\$/hour)	\$7.50

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Labor productivity (acres/hour)	40	53	32.5%

ASSUMPTIONS: Averages consist of tillage and field preparation, planting, spraying, fertilization, and harvesting. Assumes upgrading AgGPS EZ-Guide Plus lightbar to AgGPS EZ-Steer system.