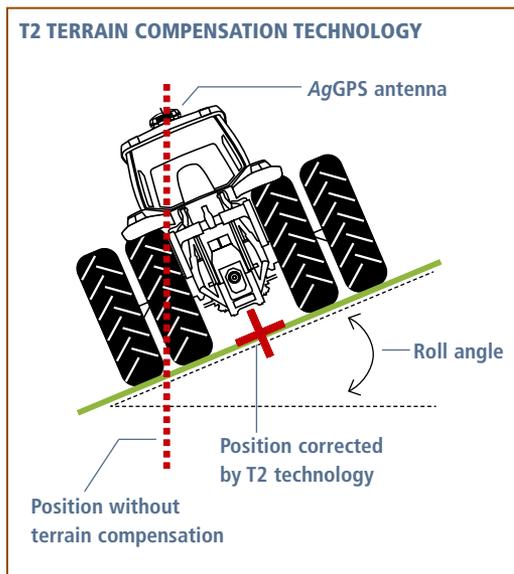


A MAJOR DIFFERENCE IN GPS HANDS-FREE STEERING DEVICES YOU SHOULD KNOW ABOUT

If you've been using a hands-free steering device such as the AgGPS® EZ-Steer® assisted steering system from Trimble or plan to invest in one, here is important news: a new upgrade for the AgGPS EZ-Steer system compensates for sloping terrain to deliver improved accuracy.

T2™ Terrain Compensation Technology is a Trimble exclusive. It calculates the difference between the GPS antenna's downhill location ("position without terrain compensation" below) and the desired working center of the tool or implement in use.



Trimble's exclusive T2 terrain compensation technology keeps implements right on track

This allows implements to deliver greatly improved pass-to-pass accuracy or to stay on the row, depending on the application.

T2 technology differs from other terrain compensation methods that rely on sensing by gyro-only or accelerometer-only. In contrast, T2 technology uses two accelerometers and two gyros mounted on the same axis. This way, change in slope and speed of change are accurately measured – and compensated for—many times a second.

This keeps both vehicle and tool or implement precisely on track. The new T2 upgrade can be purchased through Trimble resellers.

HOW TO SAVE TIME, FUEL AND CHEMICAL COSTS ON YOUR CORN CROP

According to a recent USDA study, it costs the *most efficient* 25% of U.S. corn growers \$1.08 on average, to grow a bushel of corn. However, it costs the *least efficient* 25% \$2.98 per bushel—that's \$1.90 more—to grow corn.

One strategy the most efficient corn growers have adopted: save labor costs, fuel, crop chemicals and machine wear by *avoiding costly overlaps* in tillage, spraying and harvesting operations.

WASTED TIME, SPRAY AND FUEL FROM OVERLAPS IN 80-ACRE FIELD

Overlap	No. of passes, 44' tool	Time in field*	Gal of spray @ 20 gal/acre	Gal of fuel @ 6.5 gal/acre
0	42.4	2hr 28min	1600	16.0
4"	42.7	2hr 30min	1608.6	16.3
2'	44.4	2hr 35min	1679.8	16.8
3'	45.5	3hr 39min	1718.3	17.2

* Plus end row turns.

At first, such savings may appear modest. But look again: if your sprayer is overlapping two feet per pass, you're wasting 4 acres of spray on that field—compared to the easily attainable and repeatable 4-inch overlap.

In addition to reducing cost of inputs, assisted steering and automated steering systems offer other proven benefits. Including:

- Option to use less-experienced labor
- Driver stress reduction
- Increased driving speeds
- More timely planting and harvesting
- Less soil compaction
- Use of equipment with varying row configurations

Ask your Trimble dealer how you can lower your cost of production with tools such as the AgGPS EZ-Steer assisted steering system or AgGPS® Autopilot™ automated steering system.

RTK NETWORKS MAKE SUB-INCH GPS SYSTEMS CHEAPER, EASIER TO USE

A new development makes it easier and cheaper for crop growers to obtain the true sub-inch accuracy of Trimble Real Time Kinematic (RTK) GPS systems for agriculture.

These new RTK Base Station Networks, where available, allow growers to benefit from sub-inch GPS without investing money and time operating their own base stations.

At present, about 50 million U.S. crop acres are covered by RTK networks built and managed by Trimble resellers. This acreage is expected to double in 2006.

An RTK base station network is a series of individual base stations whose precise locations are surveyed from common coordinates. Most are owned by Trimble dealers, grower cooperatives or both.

Annual RTK network access fees vary, but are typically in the same range as satellite base subscriptions from OmniSTAR.

By eliminating on-farm base stations (see table), RTK networks lower the cost of an RTK Trimble AgGPS Autopilot system by about 35%.

TYPICAL COSTS OF GPS RTK EQUIPMENT REQUIRED FOR:		
	On-Farm RTK Base Station	RTK Networks
Rover*	\$23,500	\$23,500
RTK approx. cost	\$12,000	\$0 (+ Annual Sub.)
TOTAL	\$35,000	\$23,500 (+ Annual Sub.)

* Installation costs may vary.

Technology used in these Trimble-affiliated networks is compatible with Trimble new-product development. That means Trimble RTK systems will continue to set the world standard for accuracy and performance. That depends—how *future proof* is it?

WHAT WILL YOUR NEW GPS SYSTEM BE WORTH A FEW YEARS FROM NOW?

Future proofing has helped Trimble customers succeed since 1996, when we began building GPS products for the fast-changing ag industry.

The *future proofing* idea is simple: As your GPS technology needs grow, your investment in a Trimble AgGPS system is protected by compatible new products—no need to “trade up” for *all new* equipment.

For example, if you purchase an AgGPS EZ-Guide Plus lightbar guidance system for US\$2,795, you can:

- Add the AgGPS EZ-Steer assisted steering system for hands-free farming: US\$3,495
- Add appropriate GPS antennas and receivers when you need higher accuracy
- Then, when your needs dictate, upgrade your system to an AgGPS Autopilot automated steering system for as little as US\$5,590—and *your initial EZ-Guide Plus lightbar is still hard at work!*

AgGPS EZ-GUIDE PLUS: FUTURE PROOFING AT ITS BEST



All Trimble AgGPS systems protect your investment by offering you many accuracy and feature options—all designed to help you cut costs for fuel, crop inputs, machinery and labor.

So before you buy, make sure your GPS investment is *future proof*.

From improved swathing, to “hands-free” assisted steering, to automated steering and beyond—an AgGPS EZ-Guide Plus system is the basis for a complete AgGPS Field Management System that meets your growing GPS technology needs.

FOR MORE INFORMATION, TALK TO YOUR LOCAL TRIMBLE RESELLER, GO TO WWW.TRIMBLE.COM, OR IN THE US CALL 1 800 865 7438

www.trimble.com

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