

Dean Korsmeyer Customer Story



“No matter what the application is, the ability to watch residue and monitor the depth of application is so much easier to observe if you aren’t concentrating on steering the implement.”

Dean Korsmeyer’s first experience with precision agriculture was with a CenterLine® 220 that he used when applying anhydrous ammonia in 2006. “With the cost of fertilizer, we felt that even with a 13 knife toolbar we needed manual guidance.” Two years later Dean decided to add the FieldPilot® assisted steering system to his CenterLine 220. “Our JD 9100 tractor is used mostly for anhydrous ammonia application and tillage operations, so WAAS accuracy was all that I was looking for with these applications.”

The first advantage of the assisted steering system Dean noticed and still appreciates is the ability to monitor equipment as he is moving through the field. “No matter what the application is, the ability to watch residue and monitor the depth of application is so much easier if you aren’t concentrating on steering.”

After using assisted steering in his tillage operation, Dean thought the next evolution of the technology would naturally follow to his spraying operation. The John Deere 4700 sprayer in their operation was upgraded to a CenterLine 230BP, after using the CenterLine 220 from their tillage operation.

“The CenterLine 230BP gives us automatic boom section control. The cost of the inputs in spraying doesn’t take long to justify the system.” Dean commented on the ease of use in end rows. He also liked not having to think about shutting off booms at normal end rows and focused on speed throttle and turning. “Just like in tillage, you are able to watch what is going on in the application and adjust booms for optimum nozzle height.”

Last year Dean added a new John Deere 7830 tractor to their operation. The John Deere xx30 series is Auto-Trac™ ready and comes standard with a factory-installed steering valve. “It was a very key point to us to utilize the existing valve that came from Deere when we were shopping for auto guidance systems.” The tractor will be used for planting soybeans and corn. “I don’t need the repeatability of RTK and still wanted to use the free WAAS signal and upgrade if I had to at some point.” The Korsmeyers decided to go with a TeeJet Technologies RX-600RTK-GLIDE. The RX-600RTK console is an affordable, compact, dual-frequency WAAS receiver that is capable of upgrading to RTK. It is also a plug-and-play system that allows the operator to easily connect the system to the standard ISO 11783 CAN bus.

The console fits neatly into a standard radio slot and includes everything needed (including an AM/FM radio with mp3 input). The RX-600RTK applies an ionospheric model that utilizes the dual frequency capability of the system. This further enhances the accuracy of the system in WAAS regions. “At first, I was skeptical in mounting the unit in the radio slot. I can’t say enough good things about it now.” Dean uses a 40’ wide 15” row Kinze planter. “We planted all of our soybeans this year with the RX-600RTK. I love the location in the cab and the neat-

NAME: Dean Korsmeyer
LOCATION: Alhambra, Illinois
FARM SIZE: 1200 Acres
CROP: Corn, soybeans and winter wheat
PRODUCTS: CenterLine® 220
CenterLine® 230BP
FieldPilot® Assisted Steering System
RX-600RTK-GLIDE





ness of the installation, and how easy it is to use. The accuracy of the system was phenomenal. We didn't have the system in time to plant our corn this year, but we will definitely use it next year to plant corn."

EQUIPMENT:

2008 JOHN DEERE 7830

RX-600RTK-GLIDE with JD steering cable

2000 JOHN DEERE 9100

CenterLine® 220 with FieldPilot® assisted steering system

1999 JOHN DEERE 4700 SPRAYER

CenterLine 230BP with SmartCable

KORSMEYER'S FIRST GPS EXPERIENCE:

CenterLine 220 Lightbar on NH₃ toolbar

KORSMEYER'S FIELDPILOT EXPERIENCE:

Greater productivity,

Improved equipment monitoring,

Less stress



Assisted Steering System

FieldPilot is an innovative GPS guidance device that provides effective results in an easy-to-use package at an unbeatable price. Guidance information is provided on a bright, clear graphical display and also on a built-in lightbar. The system will provide manual or automated guidance in all guidance modes supported by the guidance system being used. The simplicity and value that make CenterLine® 220 and CenterLine® 230BP manual guidance so appealing are now available in an assisted steering package that is ready to make a difference in your operation.

FieldPilot connects to the hydraulic power steering system to provide reliable and convenient control. This method of connection keeps the cab free of brackets and motors that may interfere with normal steering.

During operation, the first pass in a field is driven manually. Subsequent passes are conducted by lining up the vehicle near the desired swath and engaging assisted steering. The vehicle will automatically maintain its precise location on the desired track. At the row end, the operator can easily disengage the steering system and make the headland turn manually.

- Low cost assisted steering
- Simple installation and operation
- Hydraulic steering interface for optimum performance
- Works with all guidance modes supported by the guidance system being used
- Tilt compensation and Gyro-stabilization included standard
- Remote engage/disengage switch
- Custom installation kits available to fit most common vehicles

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