

Spreading Control (Athene)

Soil Preparation and Crop Care



Automatically apply inputs proportional to forward speed or according to digital nutrient management plans.

Automatic, speed- or optional position-based, spreading control and tracking

Proven hardware including controllers, sensors, consoles, and receivers

Universal ISOBUS based interface (Universal display compatibility)

Auto section control (ASC) and variable rate control (VRC) capable

Additional Features

- Single beater or spinner speed monitoring and control
- Gate height control and monitoring
- Ability to change rate on-the-go
- Dual belt configuration capability (SM-3X)

Spreading control automatically applies inputs based upon nutrient management plans to optimize resources and boost yield. Our solution offers automatic speed-based or optional position-based monitoring and control to precisely follow plans, eliminate overapplication, and optimize fertility.



Follow Plans



Eliminate Over-Application



Optimize Fertility

Our technology monitors and executes basic on-the-go strategies or advanced digital prescription maps. These plans can be easily imported from industry standard formats (i.e., ISOXML, shapefile, etc.), or even provided in real-time from Topcon crop monitoring sensors. The solution provides key features including auto section control (ASC) and variable rate control (VRC) to eliminate overapplication and optimize each zones fertility. Built upon proven technology, Topcon spreading control offers a reliable yet progressive approach to managing key inputs.

How Does it Work?

Our solution works with many self-propelled and trailed or pull-behind manure and dry granular fertilizer spreaders. Directed by the Topcon SM-1X (manure) or SM-3X (dry granular fertilizer) controller, it integrates machine sensors to calculate forward speed which is tied to maintaining a preset application rate, displayed through in a compatible ISO terminal on Topcon X Series console.

TC GEO capability enables the solution to follow pre-defined prescription maps. Additionally, optional loadcells can be integrated to provide accurate weight information that allows for dynamic or on-the-go spreader calibration designed to increase accuracy and ease-of-use.

Solution Overview



1. Console Interface
Topcon X Series or ISO-UT Compatible console as interface



2. Controller
SM-1X (Manure) / SM-3X (Dry Granular) controller to direct the system



3. Speed Sensors
Measures speed to maintain the right application output



4. GNSS Receiver
Provides position-data for advanced plans
(Optional)



5. Weight Verification
Digi-Star SL2 supports calibration and operating performance
(Optional)



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7010-2407 A 01/24

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