Topcon Crop Care

Spraying Control (Broad Acre Crops) - Aftermarket

Automatically apply inputs proportional to forward speed, position-based maps, or on-the-go sensors, including auto section and variable rate control.

TOPCON

Spraying control automatically applies inputs based upon nutrient management plans to reduce operating costs, improve yield, and promote sustainability. We offer automatic speed-based, position-based, or sensor-based control designed to precisely follow plans, empower labor, eliminate overapplication, and optimize fertility.

Our solutions support fixed rates, digital nutrient management maps and on-the-go sensing. Application rate can be pre-set, data can be imported from industry-standard formats (i.e., ISOXML or shapefile), or crop sensors can be integrated for real-time control. For map-based and on-the-go sensor applications, auto section control (ASC) and variable rate control (VRC) are used to eliminate overapplication while ensuring each zone receives optimized inputs. Designed universal, our solutions are compatible with most 3-point linkage, self-propelled, and pull-behind sprayers.

» Automatic, speed- or optional position- based, spraying control and tracking

» Proven hardware including controllers, sensors, consoles, and receivers

» Topcon proprietary interface and optional ISO-UT (CM-40 Spray Controller)

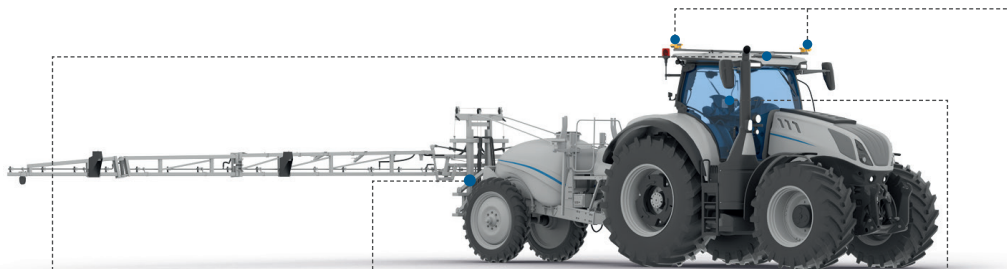» Auto section control (ASC) and variable rate control (VRC) capable, including crop sensor integration

Follow Plans

Eliminate Over-Application

Optimize Fertility

Speed Sensor or GNSS Receiver
Speed- or position-based control.

Controller
Reliable hardware for basic to advanced applications.

Console
Clear displays and easy-to-use software.

Crop Sensors
Crop sensors used to determine application rate.

Learn more at **topconpositioning.com**

TOPCON

What's right for your operation?

Topcon offers a range of spraying control variants to suit any operation size and crop type. From basic automatic rate control based on forward speed, following digital nutrient management plans tied to field-position, or on-the-go sensors to apply the right rate based upon crop health, our solutions help you reduce key inputs while maximizing yield.

Fixed Rate

Speed based control automatically maintains a pre-set application rate.

Digital Map

Position based control automatically follows prescription maps and uses ASC and VRC to apply a pre-determined rate.

On-the-Go

Sensor based control monitors crop health and uses ASC and VRC to apply the right rate.

Auto Section Control (ASC)

Auto section control (ASC) is an application control feature that automatically switches sections of an implement. It's designed to maximize inputs by preventing over-application and following digital nutrient management strategies.

Variable Rate Control (VRC)

Variable rate control (VRC) is an application control feature that varies the output rate of an implement. It's designed to optimize inputs and boost production by applying the best rate for crop development based upon digital nutrient management strategies or real-time sensor data.

Crop Sensing and Control

We offer innovative sensing technology that reads crop health to apply the appropriate rate in real-time or to collect data for future digital nutrient management plans. Coordinates with both auto section control and variable rate control functionality.

Learn more at **topconpositioning.com**

TOPCON

Broad Acre Crop Spraying Control Solution Comparison

	H2 Spraymaster	CM-40 Spray Controller
Control Type		
Fixed Rate (Speed Based)	●	●
Digital Map (Position Based)	–	● (Optional)
On-the-Go (Sensor Based)	–	● (Optional)
Console/Software		
Console Option(s)	H2 Spraymaster (4.1") (Integrated controller)	Topcon X Family or ISO-UT Compatible
Topcon Proprietary Software	●	●
ISOBUS-UT	–	● (Optional)
Capability		
Auto Section Control (ASC)	–	●
Variable Rate Control (VRC)	–	●
Sections	3 - Monitor only (Expandable to 9 with an ACI Module)	14 (Expandable to 18 with additional CM-40 or 24 with EM-24)
Products	1	4*
Farm Management Software Compatible	–	●

*Additional sprayer tank license required for up to 4 products when using XD and XD+ consoles - 1 product control without.

Complementary Solutions

Data Management Platform
Easily organize data, visualize and make relevant decisions with the Topcon Agriculture Platform (TAP).

Data Transfer Devices
Seamlessly transfer data from Topcon X Series and many third party consoles to the Topcon Agriculture Platform (TAP).

Guidance and Steering
Proven manual and automatic steering for many machines.

Boom Height Control
Maintain a consistent pre-set height for even application and reduced spray drift.

Learn more at **topconpositioning.com**

TOPCON