



Valuable – Actionable – Technology

Specifications	
Dust/Water Rating	IP67
Laser safety	Class 1 or Class 1M
Dimensions	200 x 80 x 80 mm
Mounting Height	2 –4 meters
Viewing angle	45° –55°
Operating Temp	0 –60°C
Operational wavebands	730–740 nm and 800–810 nm
Supply voltage	10–32 VDC
Supply current	2 A

On-the-Go Crop Canopy Sensor



- Maximize yield potential
- Reduce inputs through ideal application
- Crop tailored functionality
- On-the-go capability
- Year-over-year analysis
- Largest footprint in the industry

Just-in-time crop management

CropSpec is a real-time integrated crop monitoring and application system for agriculture developed in cooperation with Yara International, a leading international supplier of nutrients. Operating with the variable rate control (VRC) program, MapLINK, or any Topcon application controller, CropSpec allows users to monitor in-field variability, treat on the go, or keep data for future analysis and/or prescription application.

Compatible with Topcon X25, X30, X35, XD and XD+, CropSpec can be used in single- and dual-sensor configurations. The sensors mount on the cabin roof, out of harm's way with less potential to damage crops or equipment. With the largest footprint in the industry, it produces the most accurate readings and prescription applications. The system uses pulsing laser diodes for sensing, measuring plant reflectance to determine chlorophyll content, revealing nitrogen concentration. Through crop-specific, tailored analysis and algorithms, CropSpec offers the ideal application to maximize yield. Its non-destructive, non-contact method provides accurate, stable readings and repeatable values.

CropSpec features three different modes of operation:

Read and Record — Read and record data for analysis and creating prescriptions. Scanning the crop creates a map to indicate nitrogen levels, including nitrogen rich and deficient areas. This information can be used to construct a variable rate prescription application to be used immediately or at a later date. Perform relative crop monitoring over time or create application programs based on health stages.

User Determined Rate Control — Hi/Low Basic mode: with a simple two-point calibration, the user can set high and low points, then perform actual on-the-go application using field averaging. Target rate can be determined by the user.

Real-Time Variable Rate Application — Operators can allow the CropSpec system to fully automate Nitrogen applications live as they are driving through the fields. Using one of the prescription modes:

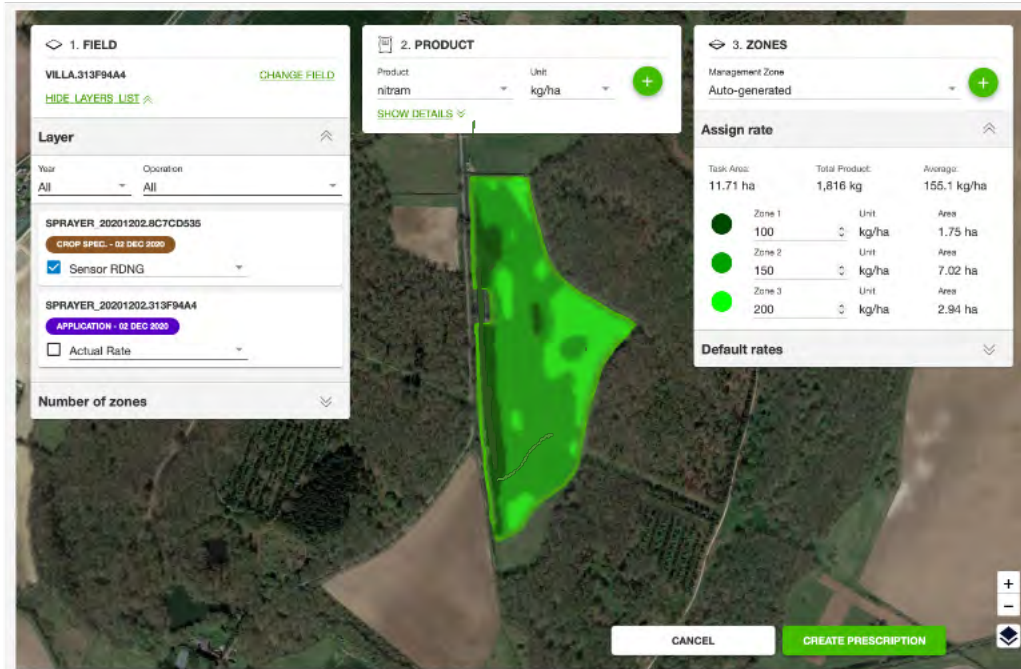
Target Rate On/Off



One Point Plus Slope Two point



Data Management Just Became a Whole Lot Easier



Live Data Transfer

Every time you have completed a scan, your data will automatically be uploaded to the Topcon Agriculture Platform (TAP), giving you the power to visualise, manage and make prescription maps for a wide range of tasks. Say goodbye to USB sticks!

From TAP you can also download RAW sensor data to be imported into most GIS software solutions.

Using the power of the CL-10 or CL-55 modem paired with the ease of use of Horizon Software, it has never been easier to utilise data captured on farm.

To find out more about TAP visit www.lh-agro.co.uk



CropSpec Summary



Easy to Use Via

Topcon X Console

Seamless Integration

Low Profile Sensors

Supports All Major Spreaders/Sprayers Via

ISOBUS
Topcon ECU
XLINKS

Auto Wireless Data Transfer Using

TAP
CL-55
CL-10

Easy to Calibrate

Using Live or Historic
Scan/Histogram Data

Auto-Scan

Automatically scans when
job enabled.

Manage Inputs

Potentially save inputs and
reduce waste

Largest Scan Footprint

Due to flexible mounting
options

“

In its first season, the CropSpec sensor gave noticeable benefits .

”

Rob Leeson
North Yorkshire.



For more information:
topconpositioning.com/cropspec

Specifications subject to change without notice.
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