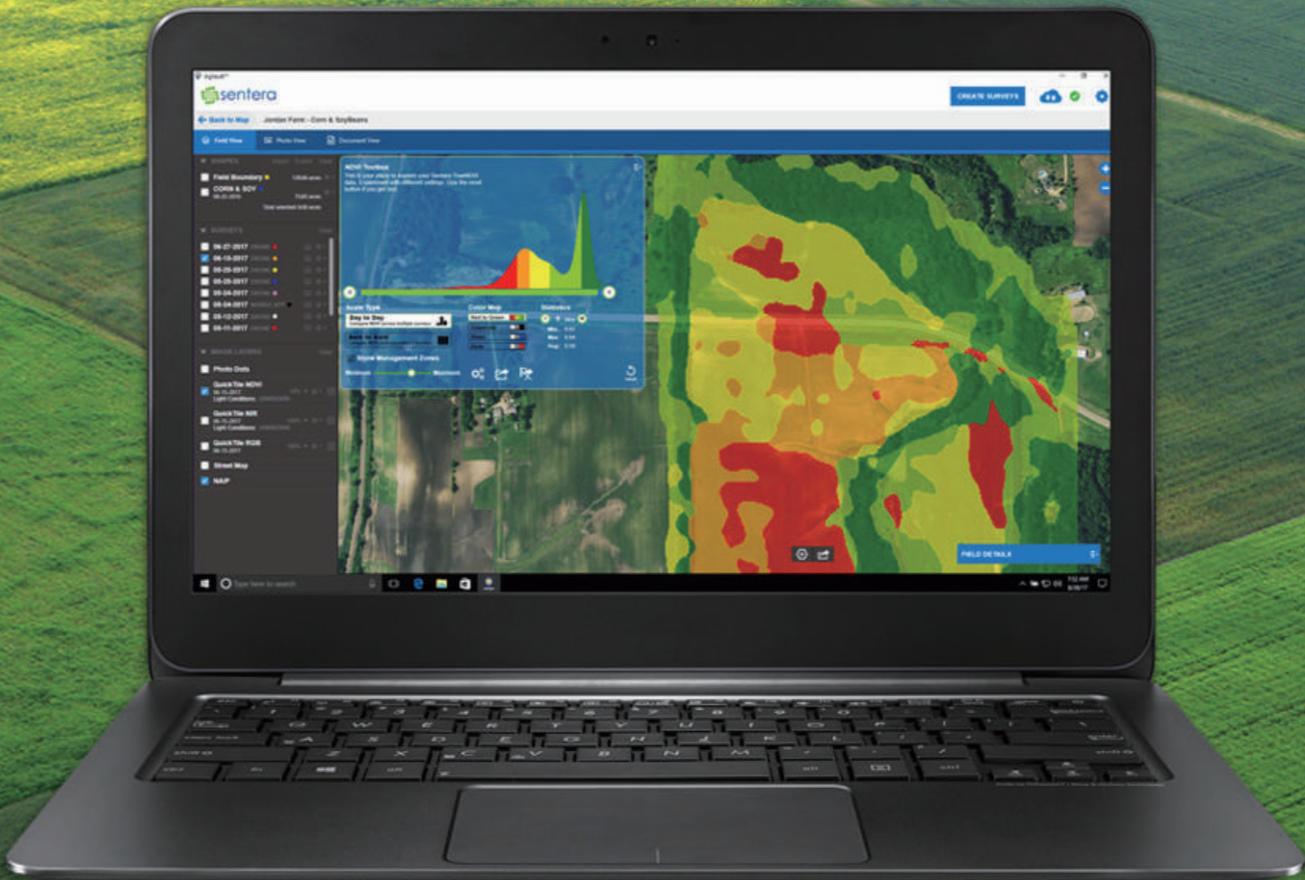


THE NDVI TOOLBOX™



Patent Pending

The NDVI Toolbox™ for AgVault™ software offers users customizable NDVI maps, zone management, a basic prescription-writing tool, and dynamic color-mapping; giving growers and agronomists unprecedented insights into field vigor.

Until now, users had to choose between viewing data tailored for normalized difference vegetation index (NDVI) progression over time, or tailored for NDVI contrast around a single flight — doing both was not an option.

With the release of NDVI Toolbox for AgVault, growers and agronomists can do it all – recolor, segment similar NDVI value zones, attach application rates, export data into machinery, dynamically regenerate, and highlight areas of a NDVI crop hea using data gathered today and tomorrow, as well as historical information. AgVault’s latest features allows users to comp real-time NDVI insights for a single flight, analyze crop data and streamline workflows throughout a growing season, all while building a library of NDVI data points. This depth and breadth of synergized data help users make informed, confident input decisions.

THE NDVI TOOLBOX™

COMPLETE CONTROL

NDVI essentially compares one area to another, illustrated with color. If a crop is generally healthy, it appears bright green on an NDVI map. This is generalized data and is best used for general assessments. Now, AgVault's NDVI Toolbox makes that data more actionable by building flexibility and intelligence into the color map. Instead of blanketing a NDVI map with low variation of a single color, the NDVI Toolbox allows you to create dramatic color variations showing a plant's health relative to others and then generate reports like NDVI values based on statistical analysis.

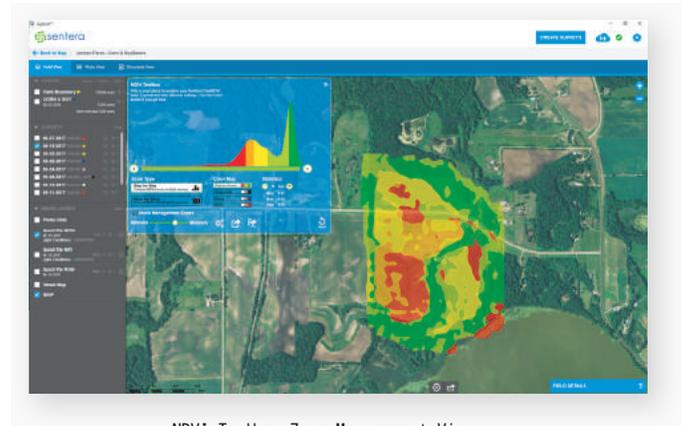
Key Features:

NDVI ZONE MANAGEMENT Transforms a high-resolution raster field map into zones that share common NDVI values, allowing users to manage their field based on measured crop health metrics. Then export to the My John Deere Operations Center or other precision agriculture applications.

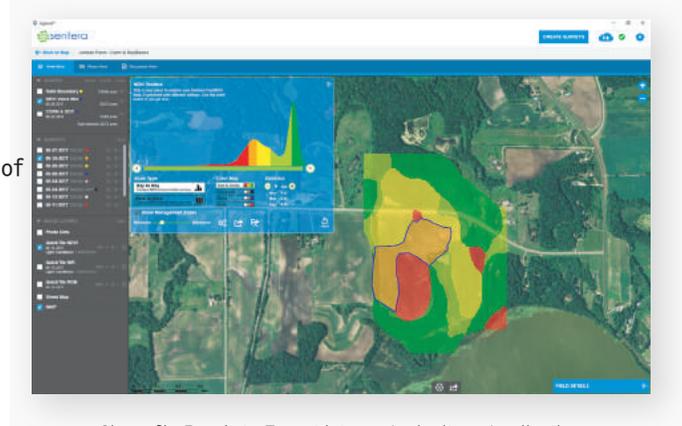
SIMPLE PRESCRIPTION TOOL Allows users to input application rates based on NDVI zones. Data exported from the prescription tool can be used by most leading in-cab systems to perform precision input applications.

COLOR-MAPPING Users can manipulate the color contrast in a data set with a simple click and drag of the NDVI variance bar.

This is perfect if you want to assess only the growing parts of your field and eliminate roads or bodies of water. With a simple adjustment in the NDVI Toolbox, you can force the lowest NDVI values – or red coloring – to the most stressed areas or growth in your field. The roads and other non-growing areas will be shown as black and removed from the NDVI calculations. This allows you to focus your resources only on growable acres.



NDVI Toolbox Zone Management View



Shapefile Ready to Export into an Agriculture Application

MULTIPLE VIEWS

With multiple viewing options, AgVault's NDVI Toolbox makes it easy to leverage NDVI data, shown below using QuickTiles™.

