**COMPLETE END-TO-END ECOSYSTEM**

Everything you need right out of the box to begin scouting fields and scaling your business.

Quantix™ hybrid drone and the AeroVironment Decision Support System™ (AV DSS™) deliver on-demand field intelligence with the most powerful drone and data analytics ecosystem available. Whether you're a grower looking to put aerial drone data analytics to work on your farm, an Enterprise Ag Business, or an Ag Services Provider looking to begin scouting fields and scaling your business - Quantix & AV DSS provides the actionable intelligence you need to move forward with confidence.

**Key Benefits**
- Fully integrated drone & data analytics ecosystem
- Improve scouting efficiency & accuracy
- Assess the effectiveness of your growing processes
- Quantify field behavior quickly & easily

**QUANTIX™ - A VTOL HYBRID DRONE**

Immediate in-field imagery on operating tablet upon landing.

Quantix™ is an innovative drone featuring a powerfully simple, automated flight and a unique, hybrid design that allows the aircraft to launch vertically and transition to horizontal flight; maximizing aerodynamic efficiency and range. With the simple touch of a button, Quantix initiates a fully-automated takeoff, flight and landing, eliminating the learning curve so even first-time users can successfully operate the drone safely to collect meaningful data.

**Key Benefits**
- Fully automated operation
- Innovative efficient design
- Surveys up to 400 acres per 45 minute flight
- Built-in dual 18MP cameras & solar sensor
- One touch planning & launch
QUANTIX™ HYBRID DRONE COMPONENTS

**Featuring an innovative VTOL hybrid design**, Quantix is purpose-built for crop scouting - capable of covering up to 400 acres per 45 minute flight. Survey your entire farm more efficiently and accurately, on your schedule, to easily spot crop health issues that might be missed by the naked eye. With built-in dual 18MP cameras, Quantix captures both high-resolution color and multispectral imagery. On-board processing delivers composite true color and NDVI imagery on the included operating tablet as soon as Quantix lands, allowing you to immediately ground-truth issues while still in the field.

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1. **Quantix Hybrid Drone**
   - Takes-off and lands like a multi-rotor
   - Range, reliability, and efficiency of a fixed-wing aircraft—up to 400 acres per 45 minute flight
   - **NEW** Quality data capture in wind speeds up to 20 mph
   - Allows for a safe launch and soft landing to protect sensors

2. **Integrated Sensor System**
   - Built-in dual 18MP cameras
   - Simultaneously collects high-resolution RGB & Multispectral
   - Incorporates a self-calibrating solar sensor

3. **Operating Tablet & Quick-Look**
   - Fully automated control with single button launch command
   - Quick-Look - Onboard processing delivers RGB and NDVI instantly on the operating tablet upon landing - no Internet required
   - **NEW** In-flight status monitoring - flight direction, entry, exit and transition paths.

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AEROVIRONMENT DECISION SUPPORT SYSTEM™ (AV DSS™)

**When your Quantix flight completes**, simply upload data collected to the AV DSS web-based data analytics platform. AV DSS automatically analyzes images so you don’t have to - seamlessly performing advanced image processing, data analytics and historical reporting. AV DSS provides the capability to quantify plant health quickly and easily, delivering true color, NDVI, GNDVI, canopy coverage and anomaly layer data sets. Compare data sets from the same time frame, or analyze crop development across time for in-season verification and multi-seasonal trend analysis. With an intuitive user interface, access to Mobile Survey Tool app, and multiple report options, AV DSS makes it easy to transform your field data into actionable insights that drive your business forward.

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**AV DSS uses dynamic web-based and mobile dashboards and a host of intuitive tools to turn your aerial data into actionable intelligence.**

**Key Benefits**
- Fully integrated data uploader
- Intuitive user interface and dashboard
- Integrated Mobile Survey Tool app
AV DSS™ SOFTWARE COMPONENTS

AeroVironment’s cloud-based Decision Support System performs advanced image processing, analytics, comparative and historical reporting, providing actionable intelligence so you can make smarter, quicker decisions. AV DSS automatically aggregates all your data making it easy to use and understand to improve operational efficiencies and increase profitability.

1. AV DSS Portal - Review your aerial data using a full suite of easy toolsets and analytics.
   - **New** - Quick Resolution upload option decreases upload and processing times by 50%
   - **New** - Farm Management Software integration - Import Variable Rate Layer as a shapefile into a wide range of FMS
   - **New** - Single click data transfer into John Deere Operations Center

2. Intuitive Dashboard with multiple reporting and publishing options
   - **New** - Quick Resolution upload option decreases upload and processing times by 50%
   - **New** - Client management & publishing tools (Professional Package)
   - **New** - Field Reports easily export with geo-location data and bucketized imagery data sets and statistics

3. Mobile Survey Tool - Upload, share and contribute data & images to AV DSS from any location.
   - Used in the field
   - All images uploaded to AV DSS with geo-locations
   - **New** - Walk to pin feature - step-by-step directions to each survey location

FULL SUITE OF ADVANCED DATA ANALYTICS

- **NDVI**
  - Provides insight into plant health—where vegetation is thriving and where it is under stress

- **GNDVI**
  - Indicates plant “greenness” or photosynthetic activity, shows water and nitrogen uptake

- **Canopy**
  - For many crops, it is an important indicator of growth stage

- **Anomaly**
  - Identifies areas in your field that differ from the norm, down to the plant level

- **Variable Rate**
  - Create application maps by zone and generate prescriptions for FMS integration

- **Plant Count**
  - Automated plant counting - Call 888.372.2890 for more information

MAXIMIZE YOUR RETURN ON EVERY ACRE

Designed from the ground up for Precision Ag, Quantix & AV DSS is the result of years of working with Growers, Agronomists, Crop Consultants and Academic Research Teams to develop an integrated Drone & Data Analytics ecosystem that delivers the on-demand field intelligence and actionable insights today’s growers need to improve crop management and profitability for seasons to come.
GET STARTED WITH QUANTIX™
Find the Package That’s Right For You

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<th>Package Overview</th>
<th>QUANTIX &amp; AV DSS BUNDLE</th>
<th>QUANTIX ENTERPRISE BUNDLE</th>
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<tr>
<td>QUANTIX™ Hybrid Drone</td>
<td>$16,500 (Includes 3 Yrs. AV DSS)</td>
<td>$8,000</td>
<td>$5,500</td>
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<tr>
<td>AV DSS Subscription</td>
<td>$3,000 (Year 4+)</td>
<td>$0 Monthly Subscription + $0.50 Per Acre image Processing</td>
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<td>Client Organizations</td>
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<td>Add Unlimited Clients</td>
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<td>Client Management Tools</td>
<td>None</td>
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<td>Benefits</td>
<td>• Fly when you want, how you want • No Per Acre Processing Fees • No Annual or Monthly fees</td>
<td>• Fly on-demand through-out the growing season • No Monthly Fees When not in Use</td>
<td>• Access Exclusive Client Management &amp; Data Collection Publishing tools • Add Unlimited Client Organizations</td>
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FULLY INTEGRATED WORKFLOW

Revolutionary Design
First fully integrated drone to feature fixed-wing/ multi-rotor design—ready to fly out of the box!

One Touch Planning Operation
Fully automated launch, quickly scans your fields and returns home automatically

Quick-Look Maps
On-board stitching delivers Instant RGB & NDVI Images at landing for in-field assessments

Online Analytics Solution Center
Online Seamless integration with AV DSS for deeper analysis and historical comparisons

Farm Management Software Integration
Import Variable Rate Layer into a wide range of FMS to create zone maps and generate prescriptions

www.avdroneanalytics.com
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