



U.S.ASIAN AEROSERVICES



1. We are pleased to present one of the most advanced fixed wing agriculture UAVs currently available .
2. Easy to operate, with an efficient workflow to collect and analyze data quickly enabling you to decide and act either in the field or in the office
3. Our engineers have created a robust industrial UAV for enterprise agriculture that will outperform copter type drones by delivering more data per flight over larger areas well exceeding the current multi copter flight time or V-TOL Data Quality.
4. A surveillance camera may be attached to allow the operator to inspect the area while in flight.

Improve your farming returns with a better understanding of crop performance

Raven's sensor suite uses a patented remote sensing and analytics system which delivers granular new crop information to help you understand performance and make data-driven decisions.

Efficient new processing methods enable more confident and timely management decisions. Customizable measurements with deep temporal and spatial analytics guide longer-term planning.

Leading suppliers and producers understand that crop performance information isn't a commodity.



Understanding crop performance starts with accurate, comprehensive measurements

Aerial remote sensing has proven to be more accurate and comprehensive than alternative methods of crop measurement.

Our remote sensing systems combine sunlight-calibrated spectral imaging and LIDAR to analyze individual leaves and build statistical models of crop spatial performance and trends.

Efficient, on-site analytics for time-critical decisions

Yield often depends on timely and effective decisions made in response to fast-changing field conditions.

The system's analytical methods enable 4x faster field measurement and immediate, on-site information delivery for more timely and profitable decisions.



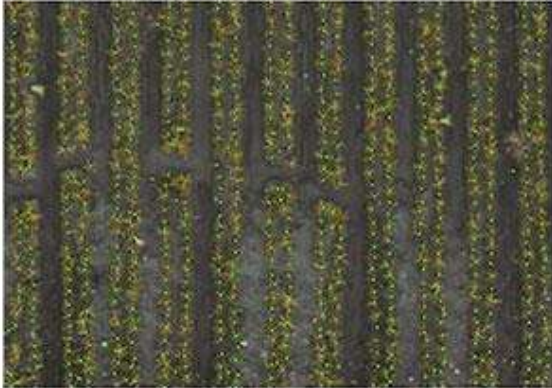
Deep spatial and temporal statistics for longer-term planning

Understanding the spatial evolution of crop development and how it contributes to yield is central to crop management.

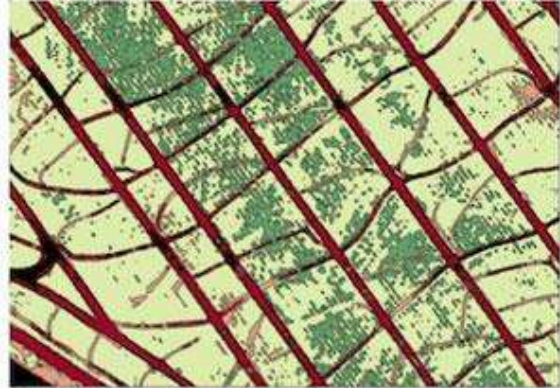
Unique information to understand crop performance

- Plant count and size distributions.
- Canopy density.
- Plant/tree height.
- Flowering density.
- Maturity metrics.
- Emergence fraction.
- Lodging damage.
- Vegetative stress.
- Chlorophyll index.
- Yield potential.
- Weed detection.
- Field elevation maps.
- Sub-centimeter color imagery and ortho-mosaics.
- User-customizable measurements.

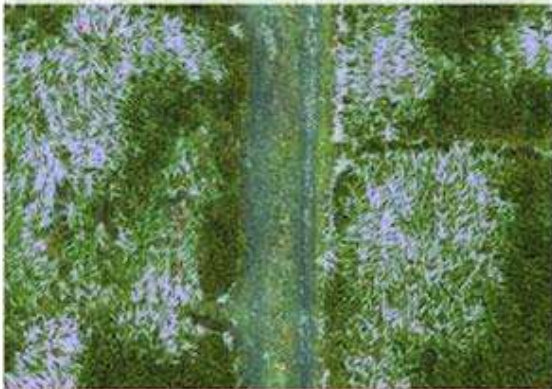
Vegetable Production
Plant count and size for
pre-harvest yield



Stress Conditions
Precision input
applications



Damage Assessments
Cereals & grains damaged
by weather



Irrigation Monitor
Detection of irrigation
failures



The broad mix of crop metrics available have been applied to a diverse range of grower needs, and new applications are always being introduced.

For those emergent information needs that may arise day-to-day on your own farm, a built-in, user-trainable tool is provided that you can adapt to your own applications.

More efficient workflows and organized information

The included GIS-based data management system aggregates measurements across all of your locations for easier analysis, planning, and sharing.



Please contact us for more information.

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