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Why AgEagle?

AgEagle robotic aircraft helps growers increase profits by pinpointing areas where nutrients or chemicals need to be applied versus where they don't need to be applied thus decreasing input costs and increasing yields.



We build the robotic aircraft imaging systems and offer them for purchase to farmers, agronomists or other precision agricultural professionals. Customers create georeferenced aerial images of fields to aid in quick, accurate and complete ground truthing. Through the use of this

The AgEagle precision agriculture photography system is designed for agricultural professions to provide a complete aerial view of their crops to help precisely identify crop health and field conditions much faster than any other method available.

Still photography includes standard full spectrum color photos (RGB) or NDVI (Normalized Difference Vegetation Index) enhanced photos that mimic infrared wavelengths. The NDVI enhanced photos are used to determine the health of plants.

AgEagle currently manufactures two systems; the "CLASSIC" and the "RAPID" systems. No flying experience is required. The AgEagle flying wing will automatically launch, fly over the crop and even land by itself.

Classic System:

The Classic system captures images on a memory card contained in a camera and then can be later downloaded to a computer equipped with specialty software to compile the images into a usable high resolution photograph. No subscription or service fee is required with the Classic system.

RAPID System:

The AgEagle RAPID system is made for those busy ag professionals who don't have the time to process images on their computer but prefer to have a complete georeferenced image at the conclusion of the flight done automatically. Then through the use of precision ag software like SST or SMS a prescription or zone map can be created. Then the prescription map can be used in the precision applicator tractor to control the location and amount of product to be applied.



Tractor Tough flying wing:

The aircraft itself is "Tractor Tough" because we know the AgEagle will encounter challenging flying conditions and operators with varying degrees of expertise. The wing is "hardened" with fiberglass, carbon fiber components and other composite materials so as to improve survivability and to protect your investment. The AgEagle flying wing performs well even in windy conditions.



AgEagle dealers:

AgEagle dealers are passionate about precision agriculture and equally passionate about helping other growers realize the benefits of using robotic aircraft technology. Not only do they help others realize the value of the technology, but they also provide service after the sale. Friendly local support from AgEagle dealers will keep you realizing the benefits of the technology for years to come.

To learn more about how the AgEagle can help increase the yield of your crops, The AgEagle will be a dependable component of a precision agriculture program for a wide range of farm and ranch applications.



Distributor of Ageagle UAV System in Australia

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PRODUCTS

As distributors of the AgEagle, we are pleased to present the best Unmanned Aerial System for the agricultural market. This flying wing has been specifically designed for ag use; built "tractor tuff", with design input from agronomists, farmers and aviation specialists – the AgEagle is set to perform.

Flying wings are far more stable in windy conditions, when compared to most multi copter platforms. They also generally have greater endurance: the AgEagle can cover between 600 - 700 acres in a single 45 min flight.

Simply program in the area to be imaged, add a few elements (wind, direction, etc) and the software creates a flight plan. After launch, handover to the computer and its all automatic after that. The AgEagle is a most economical piece of agricultural equipment, designed to Save Costs and Increase Yield.



THE AGEAGLE SYSTEM

1. The Flying Wing aircraft: includes Flight Controller and Flight Planning Software.
2. Autopilot Firmware and Software for Autonomous GPS flight.
3. Specially modified NDVI Camera with 64 Gb SD card
4. Computer Software to photo stitch all pictures into a single, printable image.
5. Four LiPo Battery Packs and rapid Smart Charger.
6. "Long Bow" Launcher with 8 bungees and Safety Pin.
7. A simple laptop computer is required.
8. Assistance with CASA documentation for Remote UAV Controller Certificate.
9. Full set of Pre Flight planning and Operations manuals
10. Complete, on-site Training is also included

SERVICES

IMAGING:

Falcon UAV will come out to your farm and supply either an NDVI or a HD Digital Colour image of your fields. These images will quickly show any areas of 'crop stress' allowing for precision assesment and most appropriate solution; increase yield.

We use the AgEagle aerial platform, built "tractor tuff" this UAV has been designed specifically for imaging agricultural fields. We are fully insured and follow all CASA (Civil Aviation Safety Authority) regulations. Operator's Certificate 1-12CPQT-1