

R44 SPRAYHAWK

AUTOMATED AERIAL APPLICATION AT SCALE

Transform the way you spray: The R44 SPRAYHAWK is a specialized, gas-powered unmanned VTOL aircraft designed to deliver precision aerial application with fewer people, lower risk, and repeatable performance.

With production rates up to 240 acres per hour and a 110-gallon spray capacity, operators spend less time refilling and repositioning — and more time spraying.



R44

SPRAYHAWK

AGRICULTURE AUTOMATION

FOR REAL-WORLD

WORKFLOWS

Aerial application demands precision, consistency, and throughput — often under tight seasonal windows and challenging operating conditions. SPRAYHAWK was purpose-designed to meet those demands without exposing pilots to unnecessary risk or limiting operational tempo.

Built on the proven R44 platform and adapted for unmanned operation, SPRAYHAWK combines automated flight, precision spray control, and terrain-following capability to deliver repeatable application at scale.



OPERATOR BENEFITS

- Apply more acres per hour with fewer people
- Reduce pilot exposure during low-altitude application
- Maintain consistent spray quality across terrain
- Leverage familiar aviation infrastructure and support networks

SPECIFICATIONS



AIRCRAFT

MAX GROSS WEIGHT	2,500 lb (1,134 kg)
SPRAY CAPACITY	100 Gal

PERFORMANCE

CRUISE SPEED	109 kn (202 km/hr)
PRODUCTION	200+ acres/hour (2+ gal/acre application on large fields)

EQUIPMENT

SENSORS - STANDARD	2x Wide FOV Forward Camera 1x Downward Camera 1x Tail Camera 1x Long Range Forward Lidar 1x 360-Degree Collision Lidar 1x Radar Altimeter
SUPPORT EQUIPMENT	Ground Control Station R44 AIRTRUCK Trailer
OTHER INCLUDED EQUIPMENT	Spray System, Flow Control System, AG-NAV Terminal

COMMAND & CONTROL (C2)

FLIGHT CONTROL SYSTEM	Full Authority Fly-by-Wire
COMMUNICATIONS SYSTEMS Visual line of sight operations only	1x 900MHz LOS Radio 2x5G Cellular 1x Starlink Mini 1x Flight Termination System (Optional)
FLIGHT MODES	3-Axis RCAH Mode (always- on stability augmentation) 4-Axis TRC Mode (precision positioning and landing) Waypoint Navigation Automated Spray Path Following with low-level Terrain Following Emergency Return-to-Home

CREW & REGULATORY CONSIDERATIONS

RECOMMENDED CREW	1x Remote Pilot, 1x Visual Observer
REGULATORY APPROVAL	44807 Exemption in the United States (pending) Commercial approval in Brazil and other countries