



# PYKA

# PELICAN 2

Autonomous Electric Crop Protection Aircraft



## 300L Payload

World's largest & most productive autonomous spray aircraft.



## Maximize Productivity

Cover up to 222 acres per hour with unmatched precision.



## Reduce Spray Cost

Direct Operating Cost as low as \$1 USD per hectare.



## Fully Autonomous

Easy to use, low risk operation.



## Fly and Spray at Night

Extend spray window, target pests during optimal conditions.



## Optimize Chemical Output

Minimized drift and high application efficiency yield up to 15% reduction in chemical use.



PYKA

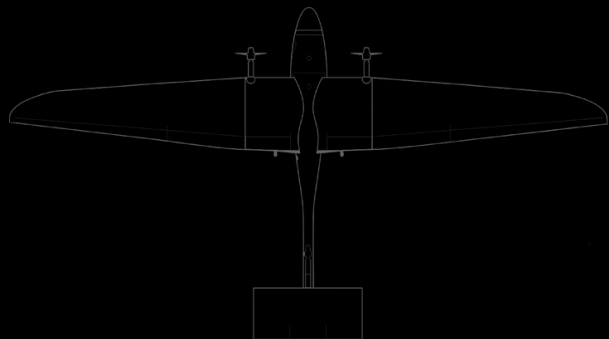
# PELICAN 2

Autonomous Electric Crop Protection Aircraft



## Technical Specs

<b>Motors</b>	4 Electric
<b>Battery</b>	90kWh lithium-ion (5 sets/15 batteries)
<b>Wingspan</b>	11.5 m / 38 ft
<b>MTOW</b>	635 kg / 1,400 lbs
<b>Max Payload</b>	300 kg / 660 lbs



## Performance

<b>Cruise Speed</b>	60-80 knots
<b>Endurance</b>	35 minutes (+10 minute reserve)
<b>Takeoff Run</b>	180 m (600 ft)
<b>Required Runway</b>	250 m x 8 m (820 ft / 27 ft)

## Spray System

<b>Liquid Volume</b>	300 L (80 gal)
<b>Swath Width</b>	20 m (65 ft)
<b>Work Rate</b>	72 ha/hr (178 ac/hr) @ 20 l/ha 105 ha/hr (260 ac/hr) @ 10 l/ha



## Included with Pelican 2 Aircraft System

<b>Aircraft</b>	Pelican 2 Aircraft (fuselage, wings, tail, landing gear)	<b>Communication Systems</b>	2x Telemetry Radio Assembly 2x Ground Control Station (inc. table) 2x Boom Hanger Assembly 2x Taranis Remote Control Crossfire Module Telemetry Tripod 2x External Monitor 2x Power Over Ethernet Box, Ethernet Cable USB Hub and 3x USB Extension
<b>Power</b>	Charge Cart 15x Gen 4.5 Battery Low voltage battery charger Power Strip	<b>Safety</b>	Control Surfaces Lock Fire Blanket
<b>Spray System</b>	2x Spray Boom Assembly Pump and Pallet Assembly	<b>Repairs</b>	Hardware Kit Wing Repair Stand
<b>Sensors</b>	2x Air Data Boom	<b>Spares</b>	Standard set of spares and consumables
<b>Logistics</b>	Trailer Aircraft Tail Support Tripod Wheel Chocks Pallet Jack		