



HUBBLEFLY
TECHNOLOGIES

AGRISTAR 2.0

FUTURE OF FARMING



AGRICULTURE SPRAY DRONE

HUBBLEFLY TECHNOLOGIES

Hubblefly Technologies is a DGCA-authorized Drone Manufacturing Company that intends to develop an integrated Drone Eco-System, built around research, design, and manufacturing of drone and drone components.

About

Agristar 2.0 is a DGCA Type-Certified medium class drone designed for agricultural spraying, featuring advanced capabilities such as radar-based collision avoidance, terrain following, and single-click return to home for optimal efficiency in crop management.

AGRISTAR 2.0

FUTURE OF FARMING

DGCA TYPE-CERTIFIED
MEDIUM CLASS DRONE



Centrifugal Nozzle
2 Nozzles



Flat Jet Nozzle
4 Nozzles



30 min
Endurance



10 Ltr
Tank Capacity



2.5 Acres
Area Coverage



4 Meters
Spray Width



4 Litres
Spray Flow/Minute

Images are for representational purposes only

DRONE SPECIFICATIONS

Flight Modes	Manual, Autonomous
Tank Capacity	10 L
Max. Flying Speed Upto	25 m
Max. Take-Off Weight	27.5 kg
Edurance with Payload	20 Min
Flight Coverage	2.5 Acres/Flight
Material	Carbon Fiber & Aviation Aluminium
Flight Range Upto	1.5 Kms
Compact Frame Design	Foldable Arms
GPS Module Accuracy	+/- 1m Accuracy

SPRAY ASSEMBLY

Type of Nozzles	Flat Jet & Centrifugal
No. of Nozzles	Flat Jet (4) & Centrifugal (2)
Nozzle Make	T-Jet/LECHLER
Spray Width/Swath	4 m
Spray Flow	4 Litre/Min

FEATURES

Collision Avoidance	Available
Terrain Following	Available
Return to Launch Site	Available

ADDITIONAL ACCESSORIES

Beacon LEDs	Available
Drone Box	Available
Operational User Manual	Available
Toolkit for Drone	Available

REMOTE CONTROLLER

Operating Frequency	2.4 Ghz
Max Transmission Range	1.5 Km
Operating Temperature	0C - 50C
Wind Resistance	10 m/s
Working Temperature	10 - 70 C

CAMERA

Resolution	HD (720p)
Live Feed	Yes
Drone with Camera	Available

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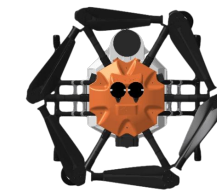
Simplified Mission Planning



720p HD FPV Camera



4G Enabled RC with Built-in Screen



Foldable Arm Design



Foldable Arm Design



Advanced nozzle technology ensures accurate and uniform application of pesticides and fertilizers.



10-liter tank allows for extended flight time and coverage of larger areas.



GPS-guided routes for efficient and automated spraying patterns. Live video feed and telemetry data for instant field insights.



Built-in sensors to navigate around trees and structures safely.



Up to 30 minutes of continuous operation on a single battery charge.

Applications

Agristar 2.0 is a DGCA Type-Certified medium class drone designed for agricultural spraying, featuring advanced capabilities such as radar-based collision avoidance, terrain following, and single-click return to home for optimal efficiency in crop management.

Change

Fertilizers

Fertilizer spraying with the Agristar 2.0 ensures precise and efficient nutrient distribution,



Growth Regulators

Spraying growth regulators with the Agristar 2.0 ensures precise and consistent application to optimize plant growth and uniformity, leading to improved crop performance.



Pesticides

Pesticide spraying with the Agristar 2.0 delivers targeted and effective pest control, utilizing advanced features to ensure even coverage and protect crop health.



Herbicides

Spraying herbicides with the Agristar 2.0 provides accurate and efficient weed control, effectively managing weeds and enhancing crop yield.



Fungicides

Fungicide spraying with the Agristar 2.0 ensures accurate and efficient protection against fungal diseases to safeguard crop health





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