Agmay
TECHNOLOGIES



SERVICE BROCHURE

Agriculture Drone Spraying

An acre in 3 to 5 minutes, with 10 litres of water

Crop protection, foliar nutrition and micronutrient spraying by certified pilots. Our 10 litres-per-acre procedure covers an acre in 3 to 5 minutes, keeps people out of the spray and leaves the crop untrampled.

- 3–5 min per acre
- 10 L water per acre
- 25,000+ acres
- Telangana and Andhra Pradesh

OVERVIEW

Faster, safer spraying with far less water

A certified pilot flies the drone 1 to 3 metres above the crop on a planned route. Centrifugal atomisers make a fine mist, and the rotor downwash carries it into the canopy and onto the underside of the leaves.

The pilot stays at the field edge, out of the spray, and nobody walks through the crop. Every field gets a GPS track and acreage report.

25,000 +	90 %	10 L
Acres sprayed and mapped	Less water than knapsack spraying	Water and mix per acre

Why Agmay

- ✓ One acre sprayed in 3 to 5 minutes, against 3 to 4 hours with a manual knapsack
- ✓ No crop trampled underfoot, saving the 3 to 5% of the crop lost in manual spraying
- ✓ Operators stay at the field edge, out of contact with the chemical
- ✓ About 90% less water: 10 litres per acre instead of 150 to 200 litres by hand
- ✓ Centrifugal atomisers and rotor downwash reach the underside of the leaves
- ✓ DGCA-certified pilots, with airspace checked on Digital Sky before every flight

DRONE OR KNAPSACK

Drone spraying compared with a manual knapsack

	Drone spraying	Manual knapsack
Time to spray one acre	3–5 minutes	3–4 hours
Water used per acre	10 litres	150–200 litres
Crop trampled underfoot	None	3–5% of the crop
Operator contact with chemicals	None: pilot stands at the field edge	Direct skin and inhalation exposure

WHAT WE DO

From crop protection to crop scouting



Pesticide and fungicide spraying

Uniform coverage with centrifugal atomisers that reach the underside of the canopy.



Foliar fertiliser and bio-inputs

Bio-fertilisers and micronutrients applied at the label dose, without drenching.



Field mapping before spraying

Boundaries, obstacles and power lines are mapped so the route is planned once and reused.



Crop-health scouting

Multispectral scouting finds stressed patches for targeted treatment.

CROPS

Crops we spray

Paddy · Cotton · Chilli · Sugarcane · Maize · Mango · Citrus

Tall, dense crops are flown with heavier platforms and centrifugal atomisers.



EARLY STAGE



ESTABLISHED CROP

Illustrative comparison of crop rows early in the season and as an established, healthy canopy.

OUR SPRAYING SOP

The procedure every Agmay pilot follows

3–5 minutes per acre
Coverage speed

Calibrated forward speed and atomisation let a certified pilot spray one acre in 3 to 5 minutes, work that takes 3 to 4 hours with a manual knapsack.

10 litres per acre
Water and chemical volume

Ten litres of water mixed with the recommended dose of chemical is enough for one acre, in place of the 150 to 200 litres used for manual drenching.

1–3 m (4–10 ft)
Height above the canopy

Keep the drone 1 to 3 metres above the crop canopy, adjusted to the crop stage, so the downwash pushes droplets into the canopy and drift is kept to a minimum.

3–8 m/s
Forward speed

Fly between 3 and 8 metres per second for an even spray pattern and the right droplet density on every leaf.

Up to 10 kg per sortie
Granular spreading

For granular nutrients, load up to 10 kg per sortie and fly at 3 to 8 m/s for even broadcasting.

50 m from HT lines
Clearance from power lines

Stay at least 50 metres from high-tension lines and transmission towers to avoid electromagnetic interference with the drone's navigation.

Label dose only
Correct dilution

Never apply more than the recommended dose or concentration. Follow the CIBRC-approved label of every agrochemical.

Full procedure: agmay.in/agriculture-drone-spraying-sop/

HOW IT WORKS

From booking to acreage report

1

Book the acreage

Tell us the crop, stage, acreage and village. We confirm dates and the product you want applied.

2

Survey the field

The pilot walks the boundary, marks power lines and trees and sets a safety buffer on the ground station.

3

Calibrate and mix

Nozzles, droplet size and flow are set for the crop, and the tank is mixed to the label dilution.

4

Spray on a planned route

The drone flies 1 to 3 metres above the canopy at 3 to 8 m/s with terrain following.

5

Report

You receive the GPS track and acreage report for your records.

PROJECTS

Where we have sprayed

KHAMMAM, WARANGAL AND GUNTUR DISTRICTS

Farmer producer organisations in Telangana and Andhra Pradesh

Foliar bio-fertiliser and pesticide spraying across paddy, chilli, cotton and sugarcane.

More than 18,500 acres treated with 99.4% uniform droplet coverage.

Drones: AK30LSX13 (30 L) and AK16LX8 (16 L) fleets

RANGA REDDY AND MAHBUBNAGAR

Commercial horticulture orchards

Canopy pest management in mango and citrus groves with high-pressure centrifugal atomisers.

Pesticide run-off reduced by 35%, with drift from the canopy kept to a minimum.

Drones: FarmBotQ10L (AI spot-sprayer) and AK20LSX9

OUR FLEET

Agmay spraying drones

AK30LSX13

Flagship Heavy Sprayer

Tank	**30 Litres**
Spray width	**8–10 metres**
Flight time	**20 minutes**

Up to 50 acres a day, centrifugal atomisers with adjustable droplet size

AK16LX8

Heavy Octocopter

Tank	**16 Litres**
Spray width	**6–7 metres**
Flight time	**16–18 minutes**

Eight rotors, dual pumps for thick foliar mixes, RTK guidance

FarmBotQ10L

AI Smart Scouting Quad

Tank	**10 Litres**
Spray width	**4–6 metres**
Flight time	**16–22 minutes**

Onboard AI finds weeds and crop stress for targeted spot-spraying

DELIVERABLES

What you receive

- ✓ GPS flight track and acreage report for every field
- ✓ Before-and-after crop-health inspection notes
- ✓ Spray-rate telemetry for each sortie

QUESTIONS

Common questions

How much does drone spraying cost per acre?

The rate depends on acreage, crop and distance from our base. Share those details and we will quote per acre before the crew travels.

Which crops can be sprayed by drone?

Paddy, cotton, chilli, sugarcane, maize and orchard crops such as mango and citrus are all sprayed under our procedure. Tall, dense crops are flown with heavier platforms and centrifugal atomisers.

Is 10 litres of water per acre really enough?

Yes. Drones apply a fine, even mist and the propeller downwash carries it into the canopy, so the same active ingredient is delivered in far less water than a drenching spray.

Do you supply the chemical?

Normally the farmer or FPO supplies the product. Our crew mixes it to the manufacturer's label and never exceeds the recommended concentration.

How do I book spraying?

Send us these and we quote per acre before the crew travels.

- ✓ Crop and crop stage
- ✓ Acreage and village
- ✓ The product to apply
- ✓ Your preferred dates

Book drone spraying with Agmay

Agmay Technologies Private Limited

PHONE

+91 79895 49956 (also WhatsApp)
+91 89777 20241

E-MAIL

info@agmay.in

ONLINE

agmay.in/services/agriculture-drone-spraying/

OFFICE HOURS

Monday to Saturday, 9:00 am – 6:30 pm

OFFICE

12-13-197, Flat No. 405 (4th Floor), Pavani Anasuya Towers, above Suddarshan Reddy Sweet House, Tarnaka, Secunderabad, Hyderabad, Telangana 500017, India

Agrochemicals are applied at the label dose only, following the CIBRC-approved label. © 2026 Agmay Technologies Private Limited.