

# SUCCESS STORIES OF STARTUPS

## Under RKVY RAFTAAR Scheme

### Sahyadri Aerospace Pvt Ltd

**Founder:** Vikas Kharjul & Somnath Trambak Kute

**Focus Area:** Farm Mechanization

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**Location:** Nashik, Maharashtra, India

**Year of Startup Incorporation:** 2021

**Incubated in:** 2023-24 at IARI



In the grape cultivation life cycle, each bunch typically requires 3 to 4 applications of plant growth regulators. However, due to labor shortages, grape farming has been adversely affected. To address this issue, the startup introduced an electrostatic spraying system to replace the manual dipping practice.

This innovative system leverages negatively charged droplets, which are attracted to the positively charged leaves and grape bunches. With a droplet size of just 40 microns, the system ensures 100% coverage. This precise method significantly reduces water usage, requiring only 40 liters compared to the 200 liters needed for conventional spraying.

Moreover, this electrostatic spraying machine is cost-efficient, being 40 to 45% less expensive than imported alternatives. It can be mounted on a tractor with an adjustable boom sprayer system, further enhancing its practicality and efficiency for grape farmers.



\* 250+ farmers  
benefitted



\* Rs. 59.2 Lakh  
Revenue



\* Presence in 2  
States



\* 10+ Jobs  
Created