

SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

Daybest Research Pvt. Ltd.

Founder: Devesh Kumar Jha

Focus Area: Precision Agriculture including applications of Sensors, WSN, ICT, AI, IoT & Drones

Website: <http://www.daybest.in/>

Email: devesh@daybest.in

Foundation Year: 2017

Location: Bihar



PROBLEM STATEMENT

Limited availability of mechanized precision spraying solutions for farms.

KRISHAKTI



SOLUTION OFFERED

Developed a fully autonomous precision spraying drone 'Krishakti' for spraying of various fertilizers, pesticides etc. on the farm. The smart spraying system is integrated with advanced airborne aerostucture, sensor suits and vision-based computation which incorporates algorithm fed with specific crop type, soil type, moisture, weather, viscosity of spraying liquid, leaf type and pattern.

PRODUCT USP

- Patent Pending Auto Adjusting Nozzle & Sprinkling System
- Prediction Intelligence
- Pay Per Use
- Early-Stage Disease Detection
- 70% efficiency

SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT

Reduces farmers' exposure to harmful chemicals, promoting better health and safety in agriculture. It also addresses labor shortages, allowing farmers to focus on more skilled tasks and improving overall well-being in rural communities. Leading to cost savings for farmers, increased productivity, and overall economic sustainability in agriculture. This also promotes soil and water conservation.

*  **Pan India Presence**

*  **12 Products in Market**

*  **175K Farmers Benefitted**

*  **200+ Paid Customers**

* as provided by the startup [Data Year 2023-2024]