

## Installation of Agri-drone at ICAR-Research Complex for Eastern Region, Patna

An Agri-drone was installed and operated at ICAR-Research Complex for Eastern Region, Patna experimental farm on 11<sup>th</sup> May, 2023. The drone was checked for any malfunctioning while flying. The spraying system was also tested for any leakage after filling water in tank. The spraying nozzle was working fine during operation. The nozzle covered a width of 3.8 meter during spraying. The detailed specification of Agri-drone is given in table 1.

Table 1. Specification of Agri-drone

Specification	Value
Company	IOTECHWORLD AVIGATION PRIVATE LIMITED
Model	AGRIBOT
Cost	Approx. 10 lakhs
Flight time (with payload)	20 minute
Max. Speed	8 m/s
Take off weight (Max.)	24.8 Kg
Tank Volume	10 litre
Maximum spray speed per nozzle	3 litre/minute
Height (above ground level)	12 meter
Purpose	Agricultural Spraying

During testing of Agri-drone, Dr. Anup Das (Director), Dr. Prem K. Sundaram (Senior Scientist), Dr. PawanJeet (Scientist), Dr. BikashSarkar (Pr. Scientist), Dr. Rakesh Kumar (Senior Scientist), Mr. Santosh Kumar (Engineer, IOTECHWORLD) and other staffs of ICAR-RCER, Patna were present.



Figure 1. Operation of Agri-drone at ICAR-RCER, Patna