

Biodata of SMART Farmers to be rewarded on the Occasion of 64th OUAT Foundation
Day on 24th August, 2025

Name of the KVK: Krishi Vigyan Kendra, Boudh

Name and Address	: <p>Name : Kartika Behera Village : Thelamaruni GP : Ramgad Block : Harabhanga Family Members : 3 nos. Land holding : 12 Acer Linkage with KVK since:</p>																			
Telephone /Mobile Number	: <p>+91 91783 52526</p>																			
Category of farmers	: <p>Medium Farmer</p>																			
Enterprise taken up	: <p>Application Nano Fertilizer (Nano Urea and Nano DAP) in Paddy Crop.</p>																			
KVK intervention/services provided to the farmers through training (FLD, OFT, Extn. Activities)	: <p>KVK, Boudh has played a pivotal role in promoting the adoption of Nano Urea and Nano DAP in paddy through a combination of training, demonstrations, trials and extension services. Mr. Kartik was capacitated via on-campus and village-level trainings on the method, stage and dosage of nano fertilizer application, integrated with INM practices. KVK also facilitated linkages with IFFCO, cooperatives and FPOs for timely availability of nano fertilizers, and monitored field data on yield, cost, soil health and farmer feedback to validate impact. Overall, KVK interventions ensured that Mr. Kartik and the others farmers of his village not only gained knowledge but also adopted nano fertilizers effectively for enhanced productivity, profitability and sustainability in paddy cultivation.</p>																			
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Employment generated	: This practice generated additional employment opportunities at the village level. On average, the technology created about 4–6 additional man-days/ha during the crop season, covering activities like solution preparation, spraying with power sprayers. This not only improved fertilizer use efficiency but also contributed to supplementary rural employment and income.
Socio-economic upliftment with data	: Adoption of Nano Urea and Nano DAP in paddy cultivation has significantly contributed to socio-economic upliftment of Mr. Kartik by reducing the cost of cultivation by about ₹3,000–4,500 per ha, improving nutrient use efficiency, and increasing grain yield by 8–12%, which together enhanced net returns also. The lightweight, easy-to-handle nano formulations also reduced labor and transportation expenses by nearly 15–20%, while healthier crops with better grain quality fetched higher market prices. This not only boosted household income and profitability but also improved livelihood security, enabled reinvestment in allied activities, and encouraged greater use of digital advisories, thereby ensuring both economic gains and sustainable resource use for farming families. Through farmer-to-farmer communication, KVK demonstrations, field days, and FPO meetings, neighboring farmers observed the benefits and started experimenting with small plots. Within two crop seasons, Kartik babu influenced 20–30% of neighboring farmers to try the technology, and cluster-level adoption spread across adjoining villages. Now he became a role model for wider community adoption.
Any other information	: Photographs:    