

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 : Mr. Jyotiranjan Pradhan Village : Kelakata, GP : Mathura, Block: Harbhanga Family Members : 4 nos., Land holding : 4.65 acres Linkage with KVK since: 2017</p>																	
Mobile Number	: <p>8114871967</p>																	
Aadhar no:	: <p>863569401071</p>																	
Email:	: <p>Jyotiranjanpradhan087@gmail.com</p>																	
Category of farmers	: <p>Small farmers</p>																	
Enterprise taken up	: <p>High-tech Horticulture (Micro- irrigation system)</p>																	
KVK intervention/services provided to the farmers through training (FLD, OFT, Extn. Activities)	: <p>Mr. Jyotiranjan from Boudh district practiced traditional rainfed farming on 4.65 ha, mainly paddy and small patches of vegetables. With limited irrigation, low input use, and dependence on local seeds, yields and income (~₹1–1.1 lakh/year) which remained very low. Market access was confined to local haats, and farming was mostly subsistence-oriented. Major challenges included erratic rainfall, poor water-use efficiency, lack of modern techniques, and unstable income, forcing seasonal dependence on wage labour. After knowing of integrating farming technology from KVK Scientist during the year 2016, he adopted oil palm cultivation as the main perennial crop, intercropped with seasonal vegetables, turmeric, and ginger during the initial 3–4 years before oil palm canopy closure. He started his oilpalm journey from 2017. He became a member of Gadjata Farmers Producer Company Private Limited for better marketing facilities. He adopted digital advisory tools like Bharat Agri and Plantix by the help of KVK Scientist for real-time guidance on nutrient management, irrigation scheduling, pest and disease identification, and timely agro-advisories in oil palm cultivation. The use of these apps enabled him to accurate pest diagnosis, reduced crop losses by 15–20%, and improved input efficiency, resulting in higher yields—oil palm FFB reaching 12–15 MT/ha by the 5th year, vegetables yielding 4–5 tonnes/ha, turmeric 25–27 quintals, and ginger 15–17 quintals. Overall, annual net income increased from traditional practices.</p>																	
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				value addition. Dept. Of Horticulture: Assistance for Oilpalm orchard establishment under NMEO-OP and drip system. FPO & Local SHGs: For produce marketing.	
	4	Awards and Recognition		Award: Nil He recognized as a “ Farm captain” to his locality and resource person under KVK.	
	5	List of frontline Technology Adopted		<p>1. Growing of intercrop such as vegetables, Turmeric, Ginger in pre bearing stage(upto 4th year).</p> <p>2.Uses of Drip irrigation & fertigation.</p> <p>3.Using of waste decomposer for decomposing of fronds and leaves which are removed while harvesting.</p> <p>4. Use of BharatAgri, Plantix etc. for advisory and timely spraying schedule.</p>	
Employment generated	:	From nursery to harvesting upto transporting Jyotiranjan babu—creates substantial rural employment because oil palm cultivation is also labor-intensive. He created about 150 man-days per hectare per year generated in employment.			
Socio-economic upliftment with data	:	Oil palm cultivation integrated with vegetables, turmeric, and ginger in his area has significantly enhanced his socio-economic status by generating a steady annual income of ₹2.8–₹3.0 lakh per hectare, creating over 120-150 man-days of local employment per year, and reducing seasonal migration. The system has diversified income sources, ensured year-round cash flow, improved household food security, and enabled asset creation such as irrigation facilities, better housing, and farm machinery. Jyotibabu has reported increased spending on children’s education and healthcare, greater financial stability, and enhanced social recognition, marking a clear transition from subsistence to commercial farming livelihoods. He has guided more than 20 farmers from seven nos. of villages in his area to adopt Oilpalm cultivation.			
Any other information	:	Photographs:		        	