

PROGRESSIVE FARMERS

1	Name	<p>: First name: Kailash Middle Name: Surname: Jaisingh</p> <div style="text-align: right; margin-top: -100px;">  </div>		
2	Postal address	<p>: Achhutadaspur, Japa, Jagatsinghpur, Odisha</p> <p>Phone: Mobile:</p>		
3	Home town	Village: Achhutadaspur Taluk/Mandal: Japa	District: Jagatsinghpur State: Odisha	
4	Age	: 56		
5	Education	: Graduate		
6	Land holding (acres)	Irrigated:1	Rainfed:4	
7	Farming experience	Crops grown:	Area (acres)	Productivity (kg/acre)
		1 Rice	4	2100
		2 Green gram	2	2500
		3 Tomato	0.5	13000
		4 Okra	1	4000
		Livestock (no.): -NA		Poultry (no.): NA
		Small ruminants (no.): NA		Farm machinery available: Tractor, Knapsack sprayer
8	List the Rainfed/ Innovative farming technologies adopted	In situ water harvesting: Mulching, Conservation tillage, Ridge and Furrow system		
		Ex-situ water harvesting: Farm Ponds, Salt tolerant varieties, waterlogging tolerant varieties		
		Improved varieties: Swarna Sub-1, CR 1009 Sub-1, Kalachampa, Luna Suvarna, Luna Barihal		
		Farm machinery usage: Sprayer		
		Any other:		
9	Recognition Certificates, awards etc. already received) Received from (Name of the organization)	: Progressive farmer award on Mixed farming (by NRRI, Cuttack)		
10	Description of innovation/ adopted technologies -Farm / Climate resilient practices (1 or 2 practices) Describe in not more than 100 words and attach separately/ photo of the innovation/adopted technology)	<p>: System of Rice Intensification (SRI), Application of Dhanicha (<i>Sesbania aculeata</i>)</p> <p>Integrated nutrient management in rice using Dhanicha combines the efficient use of chemical fertilizers with organic sources like compost and green manures to enhance soil fertility and crop productivity. The technology emphasizes soil health restoration, nutrient cycling, and efficient water use, which helps improve crop resilience to climate stresses such as drought and erratic rainfall.</p>		
11	Process of innovation/ Adoption (Describe in not more than 100 words)	<p>: Field trials were conducted to determine optimal fertilizer combinations, including biofertilizers, compost, and minimal chemical inputs. Local farmers participated in workshops, learning sustainable nutrient management techniques suited to their specific soils and crops. Adoption was further encouraged through demonstrations, showing improved yields and soil health benefits. By integrating local practices with scientific insights, the technology gained acceptance, promoting climate-resilient farming through balanced nutrient application and efficient use of natural resources.</p>		

12	Practical utility of the innovation/adoption of technology (Benefits-yield/income/resource conservation etc.,)	: The INM technology improves farm yields and income by optimizing nutrient use. By integrating organic sources (like compost and green manure) with minimal chemical fertilizers, it enhances soil health and crop resilience to climate variability. This balanced approach conserves resources by reducing the need for costly chemicals and enhances water-use efficiency, which is vital for rainfed agriculture. As a result, farmers see stable yields, lower input costs, and long-term soil fertility. This technology supports sustainable productivity, helping farmers adapt to climate challenges and increase profitability.
13	Impact of innovation on other farmers (Quantify in terms of no. of other farmers adopted, area covered etc.)	: More than 80% farmers adopted the INM technology and use of salt tolerant varieties like Luna Suvarna and Luna Barihal and water logging tolerant varieties like Swarna Sub-1 and CR1009 Sub-1
14	Any other information pertaining to innovation/adoption of the technology not covered above	: He witnessed a 25% increase in his rice yield, reduced input costs, and improved soil fertility. His success not only boosted his income but also made him a leader in his community. Sharing his knowledge with neighboring farmers, he has become a source of inspiration, proving that climate-resilient practices can enhance productivity, restore soil health, and create long-term sustainability, motivating others to follow suit.
15	Any other institutions related to	Directorate of Horticulture, Govt. of Odisha
16	Spread of the technology	Farmer trainings, demonstrations, and peer learning promoted widespread adoption of these technologies

