

BIHAR AGRICULTURAL UNIVERSITY, SABOUR (BHAGALPUR)

FORMAT FOR SUCCESS STORIES OF PROGRESSIVE FARMERS

1. Basic Information

- **Name of Farmer:** Smt Yasoda Devi

(Provide Good Quality Current Passport Size Photograph)



- **Father's/Husband's Name:** Sri Sandeep Kumar Sah

- **Village:** Tilkari

- **Block:** Tetia – Bambar

- **District:** Munger

- **Mobile Number:** 6202529621 6202529621

- **Educational Qualification:** Inter (2015)

- **Age:** 36 Yr. 01.02.1990

- **Farmers Categories (Marginal/Small/Big) :** Small

- **Major Farming System:**

2. Background of the Farmer (100-150 words)

Smt. Yasoda Devi is simple farm women of village- Tilkari, block- Tetia-bambar of Munger district. Due to poor economic condition of father she got married in 2007 when she was in class eight. After marriage she continue her education with the support of her husband and passed intermediate in 2015. After dropping her educational carrier, she started farming. She has only 1.25 acre of cultivable land. Her life becomes tough due to low income from farming of paddy-wheat cropping system. She wants to earn money by adopting some new venture.

3. Association with Krishi Vigyan Kendra (150-200 words)

One day she met her class friends and discussed about their life. Her friends suggested her to visit Krishi Vigyan Kendra, Munger. She is very much interested in adopting enterprises, having low cost with higher return. she wants to earn money by doing some enterprises at their home. In 2020, She visited KVK, Munger to find out her eagerness. Scientist of KVK, Munger suggested her for mushroom cultivation & its value addition. After that she participated in various training programme organised by KVK, Munger. After completion of five days Rural Youth training on Mushroom production -with low cost and high-income enterprise. she decided to start this enterprise on small scale (only five bags of mushrooms/day. KVK, Munger also helped her by conducting front line Demonstration on mushroom at her village. She

form a SHGs in her village Tilkari and started mushroom cultivation in groups also. She sold her produce in her village as well as in local market and get very

4: Innovative Technology/Practice Adopted or Developed (300-400 words)

Mushroom production is a low- cost technology with high profit. Women can produce mushroom at household level with locally available resources. This enterprise has potential to provide additional income and employment in addition to nutritional security to women of the villages. She initiated mushroom cultivation with 3000 bags with the technical help of KVK, Munger. Today, she earns an income of Rs. 30,000 to Rs. 35,000 per month from these enterprises by selling mushroom in local market.

5. Economic Impact (200-250 words)

Economic data (with reference to any specific crop/ enterprise):

Particular (Crop name)	Before the Intervention	After the Intervention
Crop Area	Paddy- Wheat	Mushroom 3000bags
Yield (Qt/.ha.) Unit income (Rs.)	30.-35Q/ha	2.25kg/bag
Gross Income (Rs.)	Rs. 81,250/	Rs. 7,37,200/
Net Income (Rs.)	Rs.34,950/	Rs 4,32,200
Benefit-Cost Ratio	1.75	4.11

6. Social Impact and Farmer-to-Farmer Extension (200-250 words)

Today more than 25 farm women engaged in this enterprise and earning additional income & nutritional security as mushroom is rich in essential nutrients such as B vitamins, potassium, selenium, copper, and vitamin D. They also contain antioxidants, which fight cell damage, support brain and heart health, and may help lower blood pressure, blood sugar, and cholesterol. Technology was spread by her among more than 200 women of the village and in adjoining village. She is group leader and running more than 35 groups of farm women in her village and adjoining village

7. Entrepreneurship and Employment Generation (200-250 words)

- **Low Capital & Space:** Requires minimal land and setup costs, making it ideal for small farmers and rural youth.
- **Fast Returns:** Most edible species like oyster or button mushrooms mature in a short growth cycle of 30 to 60 days.
- **Waste Utilization:** Converts cheap by-products like paddy straw and wheat waste into valuable food.
- **High Market Demand:** Strong local and export potential due to growing health-conscious and vegan dietary trends.

Employment Generation Impact

- **Value Chain Jobs:** Creates jobs across spawn production, substrate preparation, harvesting, packaging, and marketing.
- **Women Empowerment:** Empowers rural women and self-help groups through home-based cultivation and post-harvest tasks.
- **Local Success Models:** Inspiring local leaders, such as Madhu Patel (known as the Mushroom Lady of Bihar), demonstrate how local training scales into high-yield commercial and spawn-production enterprises.

8. Awards, Recognition and Media Coverage (150-200 words)

On her work performance she received **Nawachari Kisan Samman** on the eve of Regional Farmers Fair- 2023, organised by Bihar Agricultural University, Sabour, Bhagalpur and also received **Consolation Certificate for Button Mushroom production** at Horticultural Fair-2023, Munger, organised by Deptt.of Horticulture, district Munger

9. Future Vision (100-150 words)

- ❖ **Smart and Autonomous Farming:** Farms of tomorrow will use artificial intelligence, IoT sensors, and automated climate control to predict issues, optimize environmental adjustments, and generate data-driven crop cycles.
- ❖ **Circular Bioeconomy and Sustainability:** Cultivation requires minimal space and converts low-value lignocellulosic agricultural waste (like straw or husks) into valuable food, acting as a zero-waste industry.
- ❖ **Next-Gen Strain Development and Bio-fortification:** Research is moving toward "designer" mushrooms bred for specific flavors, functional textures, and enhanced nutrient profiles like vitamin D and iron.
- ❖ **Alternative Protein and Myco-manufacturing:** Fungal biomass and mycelium are expanding rapidly as eco-friendly meat analogues with high nutritional quality and a lower carbon footprint than traditional livestock.
- ❖ **Advanced Post-Harvest Processing:** High-pressure processing, modified atmosphere packaging, and extended cold-chain infrastructure are being implemented to minimize the high perishability of mushrooms.

10. Message to Fellow Farmers (100 words)

Fellow farmers, our soil holds power, but our minds drive our future. Mushroom farming is not just agriculture; it is a high-yielding business enterprise waiting to be unlocked.

To thrive today, we must shift from traditional mindsets to modern entrepreneurship. Innovation is our greatest tool. By adopting scientific farming techniques—like precise climate control, sterilized substrate preparation, and high-quality spawn selection—we drastically increase our yields and eliminate waste.

Never stop being a student of your craft. Continuous learning about new strains, processing methods, and market trends keeps us ahead of the competition. Let us view our farms as businesses, our waste as wealth, and our challenges as opportunities to innovate.

Photographs

