

Hi-Tech Horticulture- A milestone of success

Name and Address of the Farmer

Name : Sri Senpal Verma
Village : Jurkabadi
Block : Kesinga
District : Kalahandi
Enterprise : Mango, Cashew, Teak, Turmeric & Vegetables cultivation
Mob. No : 9938514100

Background Information:

Kalahandi is a tribal dominated district of Odisha and majority of the population depend on agriculture as their primary source of livelihood. Senpal Verma is a young graduate having much interest to take up farming as his source of employment. He has 19 acres of land, where 8 acres of land is under mango orchard, 4 acres under cashew cultivation, 1 acre of land is covered with teak plantation and rest of the land is remain unutilized. Despite of having all these enterprises he could not able to get optimum benefit out of all.

Through some reliable sources he came in contact with the scientists of KVK, Kalahandi and the group of scientist visited his farm house and recommended him some scientific agricultural practices like rejuvenation of old and senile orchard (Drip, Mulching etc), Cashew nut and Mango cultivation (Package of Practices) with utilization of the interspaces with off season vegetables like tomato, brinjal, cowpea, cabbage, cauliflower, Intercropping of Turmeric in the Teak plantation, preparation of grafted mango seedling & vermicomposting technology.

Dissemination of Technology

- ▶ Capacity building through Training, FLD, OFT, Kisan mela, field visit, KMA and other extension activities by KVK.
- ▶ Method demonstration showcasing all the package of practices
- ▶ Distribution of extension literature on management practices of papaya, cucurbits, banana etc.
- ▶ Training was conducted where nearby farmers also participated to notice the benefit out of Integrated Farming System.

- ▶ ATMA(Dept.of Agriculture) and Horticulture (under NHM), also extended their helping hand to the interested farmers by providing frequent training programmes to update their knowledge level.

Institutes Involved

Krishi Vigyan Kendra, Kalahandi

Horticulture Department – National Horticulture Mission

Agriculture Department, Kalahandi

Success Point

- ▶ Applying all the recommended practices of fruits & vegetables.
- ▶ Scientific management of old and seline orchard.
- ▶ All the sound technology has been completed in time.
- ▶ Good cooperation and better linkage with the line department officials.

OUT COME

Crops	Area (Acre)	Yield (Q/acre)	Cost of cultivation (Rs./acre)	Gross return (Rs./acre)	Net return (Rs./acre)	Total net return (Rs./acre)
Mango	8	60	5,000	18,000	13,000	1,04,000
Cashew	4 (120 No.)	10Q/tree	1,80,000	4,00,000	2,20,000	8,80,000
Vegetable (Tomato, Chilli Brinjal, cauliflower)	6	--	1,20,000	2,00,000	80,000	4,80,000
Intercropping of turmeric in Teak plantation	1	44.0	30,000	66,000	36,000	36,000
Mango grafts	--	40,000 Grafting/ yr	2,00,000	10,00,000	8,00,000	8,00,000

Cashew	8	60	5,000	18,000	13,000	1,04,000
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Impact

- Farmers of nearby villagers are now showing much interest to cultivate high value crop due to it market demand.
- Farmers are now aware about maintenance of old orchard.
- Farmers are showing interest in drip irrigation and mulching in fruits & vegetable crops.