

# Sericulture and Lac Culture for Additional Income

**KVKs:** Dindori, Seoni

## Description of technology adopted

Eroded land scape with low productivity and limited scope was found very suitable for sericulture on mulberry with intercropping with vegetables using vermicompost and FYM, drip irrigation system was promoted for limited water areas.

## Promising characteristics of technology:

S. No.	Characteristics	Observation (Unit)
1.	Mulberry cultivation	Yield of cocoon 660 (kg)
2.	Intercropping with vegetables	Yield of vegetables (kg)
3.	Rearing of worms	-
4.	Production of quality cocoon	-
5.	Precision farming	-

## Horizontal Spread of Technology:

No. of KVKs	No. of village covered	No of farmers	No of units
2	50	300	300

Name of schemes Supported by Central/ State Govt. in large scale dissemination under convergence, if any:

S. No.	Central Govt.	State Govt.
1.	T.S.P. agro forestry	District sericulture department

## Economics of adopted technology:

Particulars	Cost (Rs.)	Gross return (Rs.)	Net return (Rs.)	B:C ratio
Cocoon	135000	332000	217000	2.88
Vegetable	15000	80000	65000	4.33

## Economic impact of the sericulture technology promoted by KVK Dindori & Seoni

S. No.	Particulars	Quantity (q)	Rate (Rs/q)	Total(Rs)	Profit(Rs)
50 villages covered; 300 units					
<b>Input</b>	Mulberry, vegetable seeds, drip system	50	15000	75,00,000	-
			135000	6,75,00,000	-
<b>Output</b>					
1	Vegetables	1600kg	500	80,000	65,000
2	Cocoon	660kg	503	3,32,000	217000
<b>Grand Total</b>					<b>2,82,000</b> <b>8,46,00,000</b>
3	Employment generated	4000 man/days	150	6,00,000	6,00,000



## Lac Cultivation

**KVKs :** Dantewada, Kanker, Korba, Narayanpur, Raigarh, Rajnandgaon, Balrampur, Mahasamund, Gariyaband

### Description of technology adopted:

- Use of Brood lac @5Kg (Kusum), 2-3 Kg (Ber)
- Use of Brood lac in Rangini(Palash) @ 0.5-2.00 Kg /tree
- Use of 60 mesh nylon net
- Spray Ethofenprox 10EC @ 2ml/li +Carbendazim 1gm/li of water, at 30-35 and 60-65 days of inoculation



Lac Inoculation with  
60 mesh Nylon net



Insecticide spray



Crop harvesting

### Promising characteristics of technology:

S. No.	Characteristics	Observation (Unit)
1	Yield (Kg/ Plant/year)	20-50
2	Income	Rs. 6500/-

### Horizontal spread of technology

S. No.	KVKs	No. of village covered	No. of farmers	Area in ha
1	Dantewada	20	50	1050
2	Kanker	200	4000	5000
3	Korba	80	652	7220
4	Narayanpur	6	16	160
5	Raigarh	76	245	630
6	Rajnandgaon	4	330	9699
7	Balrampur	47	1310	15720
8	Mahasamund	20	22	2200
9	Gariyaband	3	18	90
	<b>Total</b>	<b>456</b>	<b>6643</b>	<b>41769</b>

### Economics of adopted technology

S. No.	KVKs	Cost /Tree (Rs)	Gross return (Rs.)	Net return (Rs.)	B:C ratio
1	Dantewada	4690	24440	19741	5.21
2	Korba	750	2840	2090	3.79
3	Narayanpur	2250	7000	4750	3.11
4	Balrampur	396	510	114	1.3
5	Gariyaband	3380	9600	6220	2.8
	<b>Average</b>	<b>2293</b>	<b>8878</b>	<b>6583</b>	<b>3.21</b>

### Semiyalata (*Flemingia Semialata*)

S. No.	KVKs	Cost/ha (Rs.)	Gross return (Rs.)	Net return (Rs.)	B:C ratio
1	Kanker	153125	608600	455475	3.97
2	Mahasamund	150000	508500	358500	3.39
	<b>Average</b>	<b>303125</b>	<b>1117100</b>	<b>813975</b>	<b>3.68</b>

### Name of schemes supported by Central/State Govt. in large scale dissemination under convergence

KVKs	Central Govt	State Govt.
Korba, Kanker, Dantewada, Narayanpur, Raigarh, Balrampur, Mahasamund, Rajnandgaon	Rashtriya Krishi Vikas Yojna	SRLM, Department of Forest

### Impact of adopted technology in economic and social terms

- Crop diversification through lac cultivation
- High return as compare to traditional crop,
- Generating employment 35 mandays tree
- Women empowerment



Brood Lac Harvesting



Lac Harvesting



Brood Lac Bundling



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