

RKVY- ANDHRA PRADESH REARING SHED AND VARANDAH & MICRO NUTRIENTS

(A Success story of Sericulture Department)

THE INITIATIVE

- In Andhra Pradesh Kuppam Division occupies a special status with respect to sericulture by virtue of its congenial climatic conditions. The hilly terrain, red sandy soils with low rain fall leads farming activities tough and challenging.

THE BENEFICIARY

- **This is the story** of a poor farmer by name Sri Munaswamy S/o Bodeppa, lives in Giddeganipenta Village of Kangundhi Panchayath, Kuppam Mandal, Chittoor district, AP. (Mobile No: 9959505508)
- He belongs to backward community with a medium family size of 4-men, 2-women and 2 - children.

THE PROBLEM

Prior to 2014-15, the farmer was cultivating Tamato, Mirchi, and other vegetable crops. There, he faced two problems, one with success of the crop which requires continues usage of costly pesticides, secondly the rate of the product in the market. Due to high fluctuation in market rates, several times he incurred losses, it became difficult to him for repayment of loans taken on these crops. Due to low rain falls, in a interval of 4-6 months he dug up 10 bore wells. All the bore wells were failed. Each time the farmer lost Rs 60000/- to 80,000/- per bore well. At present one bore is yielding water due to good rain falls in the year 2017-18.

THE SOLUTION:

In this critical conditions, this farmer taken an initiative from the near by farmer viz., Bhulaxmi of Otikunta Village about 4 Kms away from his village who is cultivating Mulberry and rearing Silk worms in her rearing shed. The farmer with his family members frequently visited and discussed with the Sericulture activities with her. Then approached the Sericulture Departmental personnel. Under the guidance and assistance of the Department of Sericulture, he raised one acre of V-1 garden and rearings conducted in the dwelling house with the available resources.

THE INTERVENTION

As Smt Bhulaxmi gained more income by having a separate, permanent rearing shed, he decided to construct a Silk Worm Rearing shed and planted one more acre. When he approached the department, Rearing shed, Shoot rearing and equipment, Micronutrients (Poshan), Neem cake were provided to him under RKVY programme.

THE IMPACT

The impact after taken up Sericulture activates with assistance from RKVY is as follows:

| S.No | Item | Before RKVY | After RKVY |
|------|--------------------------------|-----------------------------------|---|
| 01 | V1 Acreage | 1.00 (2014-15) | 2.00 (2017-18) |
| 03 | No of DFLS brushed in the year | 750 (CB) (5 crops) | 450 (BVH) (2 crops) As on 31.12.18 |
| 02 | No of DFLS brushed per crop | 150 | 225 |
| 04 | Cocoon Production Kg/year | 495 (66%) | 360 (80%) |
| 05 | Average cocoon Rate - Rs /Kg | 400/- | 600/- |
| 06 | Amount Realized (Rs) | 1,98,000/- | 2,16,000/- |
| 07 | Cost of production (Rs) | 45,000/- | 40,000/- |
| 08 | Net Income(Rs) | 1,53,500/- | 1,76,000/- |
| 10 | Net income per crop (Rs) | 30,700/- | 88,000/- |

By applying both Neem Oil Cake and poshan in his garden under RKVY funds, observed that the mulberry garden grown with luxuriant qualitative and quantitative leaf which in turn resulted more cocoon yield for the production of gradable Silk. And also resistant to diseases particularly root rot.

Prior to 2015-16 and 2016-17 before the application of Neem Oil Cake under RKVY, the Cocoon yield was 65 to 69 Kgs. After application the cocoon yield raised to 75 to 80 Ks/ 100 DFLs, which fetched with good market rates due to quality and quantity with an improvement of net income Rs 5000/- more for 100 DFLs reared.

Lessons learned by the farmer:

1. The Chawkie worms supplied from a certified CRC are guarantees for the success of the corp.

2. The support and Technical guidance provide by the department from time to time and season to season, improved his productivity levels
3. The Bivoltine Hybrid Cocoon rates in Govt., Cocoon Market, Kuppam are encouraging through out the year with demand due to well established non sector (Automatic and Multiend Reeling Units) in Kuppam. No middle men (Brokers) interference as in vegetables, mangoes and flower markets.



MUNASWAMY IN HIS MULBERRY GARDEN



REARING SHED CONSTRUCTED UNDER RKVY WITH VARANDAH



SHOOT EQUIPMENT PROVIDED IN HIS REARING SHED



MENDING THE LAND IN TO FLAT WITH PROCLAIMER
TO EXTEND THE MULBERRY GARDEN



NURSERY(18000) FOR THE EXTEND LAND(1.50 ACRES)
FOR MULBERRY CULTIVATION

Due to improve in his living status, an additional area of 1.50 acre which was left idle due to rough terrain is mending flat with proclainer, will be brought under Mulberry cultivation with a high yielding variety V-1. For the purpose, he raised an 18000 saplings nursery in his land, both for extending 1.50 acres and selling the remaining saplings to the other new farmers.