

Title: Production of Bio-control agents (*Trichogrammatids chilonis*) (Entrepreneurship development)

Rural Youth names: Shri. Saklen Ariffoddin Shekh & Shri. Rafik Janhangir Shaha
A/P-Nijampur, Tal-Sakri, Dist-Dhule-424304

Situation Analysis / Problem Statement:

In Dhule district the magnitude of losses in Cotton due to Pink Bollworm Infestation was 97.25% in the year 2017-18 (Actual Area under Cotton-225000 ha, Area under Bollworm Infestation-248000 ha), Farmers had to bear a loss of approximately 80% of the total production which amounted upto Rs. 50000- 55000/ ha of gross income. due to which Govt. of Maharashtra had to bear compensation worth Rs. 203 Cr.

Plan, Implementation and Support:

- Imparted Skill Development four Day Training on “Production and utilization of Bio-agents (*Trichogrammatids*) for sustainable Agriculture”.
- Follow up to establish the structure/ plant for production of *Trichogrammatids* spp. (Trichocard)
- Monitoring production of initial batch of above products Liaison with Dept of Agriculture for financial support for establishment of unit

Output:

- The main objective of skill training programme was to intrudes production of trichocard technology which was a proven methods of arresting the spread of pink bollworm infestation in cotton so far in Dhule no unit for production of thrichocard has been establish to cater problem
- It was therefore essential to train rural youth in trichocard production on urgent basis
- Out of 25 participants train by KVK, six come forwarded spontaneously to establish units of trichocard production,Two participants run their unit jointly on commercial basis (Capacity 40000 thrichocard/ unit)

Outcome:

- The two participant namely **Shri. Saklen Ariffoddin Shekh & Shri. Rafik Janhangir Shaha** where unemployed gradated rural youth
- KVK intervention heled them to gain self employment through trichocard production They made on initial investment of Rs. 14 lakh for units of 16 x 16 and 15x40 size. The 40000 cards produced in this unit can fetch a price of Rs. 100/- per card. The net profit estimated for the above capacity is Rs. 26 lakh.

Impact:

- The technologies is cost effective hence can help in reducing cost of production by Rs. 1800/ha (sprays eliminated).
- This technology is eco-friendly and help in reducing the hazardous effects of chemical pesticides.

They accord production can prove to be a processing technology for fostering entrepreneurship amongst educated Rs as well as School dropouts

Photographs



General View of Bio control lab



Visit with Sub Divisional Agriculture Officer



Rearing of *Trichogrammatids*