

SERI RESOURCE CENTRES (SRC)

- Sericulture Resource Centres (SRCs) – established to facilitate transfer of sericotechnologies to the stakeholders through progressive farmers to strengthen the existing extension mechanism (farmer-to-farmer training)
- **Objective:** To upgrade the knowledge of the farmers through adopted sericulture lead farmers at village level

So far 6 SRCs have been established under CSRTI, Berhampore



SRC, Mallickpur, Murshidabad



SRC, Bankipur, Murshidabad



SRC, Alinagar, Malda



SRC, Bhikhari Hazitola, Malda



SRC, Barbakpur, Nadia



SRC, Kishanganj, Bihar

A total of 1260 farmers were trained on different aspects of sericulture through six Seri Resource Centres during 2019 - 20

SILKWORM SHELF REARING (Shoot Feeding)

Shelf-Rearing Stands & Shelves

- Rearing Stands & Shelves could be made using iron or wood or bamboo or hard plastic or nylon ropes
- Stands could be of 3-5 tiers with 24" gap; 5' width & 24' in length
- Shelves could be made using net or GI wire or plastic strips
- Old newspaper is overlaid for support



Shoot Feeding

- Silkworms are fed twice/thrice a day
- 50 - 60 days-old whole mulberry shoots are laid in alternative directions for feeding silkworms
- Apply bed disinfectant (Labex/Sericillin/Vijetha/RKO) as per recommended doses & schedule



Optimal Conditions for Late Age Rearing (100 dfls)

Particulars		4 th Instar	5 th Instar
Temperature (°C)		24-25	23-24
RH (%)		70-75	65-70
Feeding Method		Shoot Feeding	
Bed Area (ft ²)	Initial	190	380
	Final	380	700
Quantity of Shoots (Kgs)		525	2630

Additional Economic Benefits

Particulars	Tray Rearing	Shelf Rearing	Benefit
Labour Charges (Mandays @ Rs.250/-)	39	30	9
Cocoon Yield (Kg/100 dlfs @ Rs.250/-)	50	55	5

Approx. Additional Returns = Rs. 3500/-

Reduces Labour Charges & Improves Income

Plastic Collapsible Mountages for Quality Cocoon Production

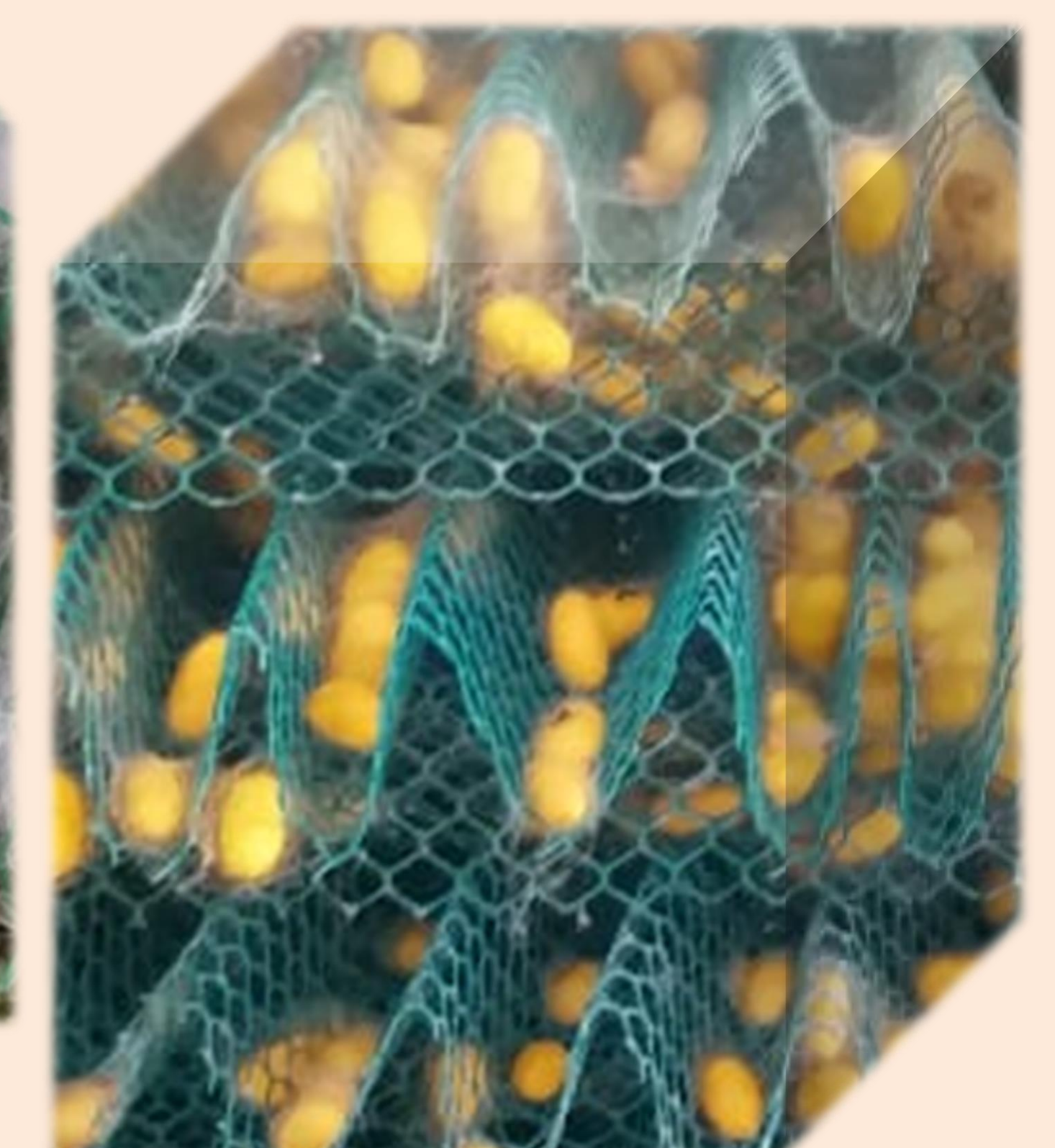
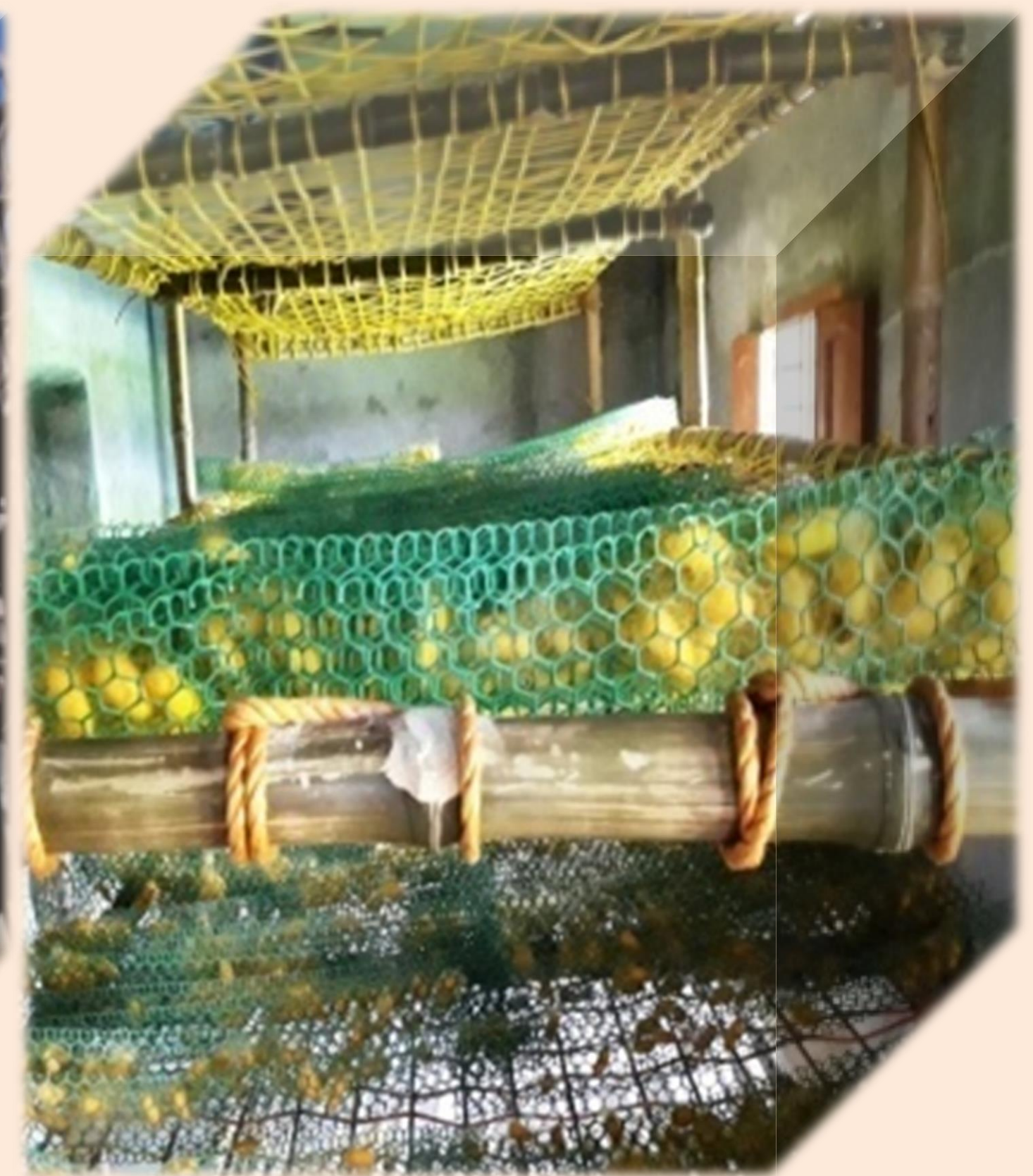
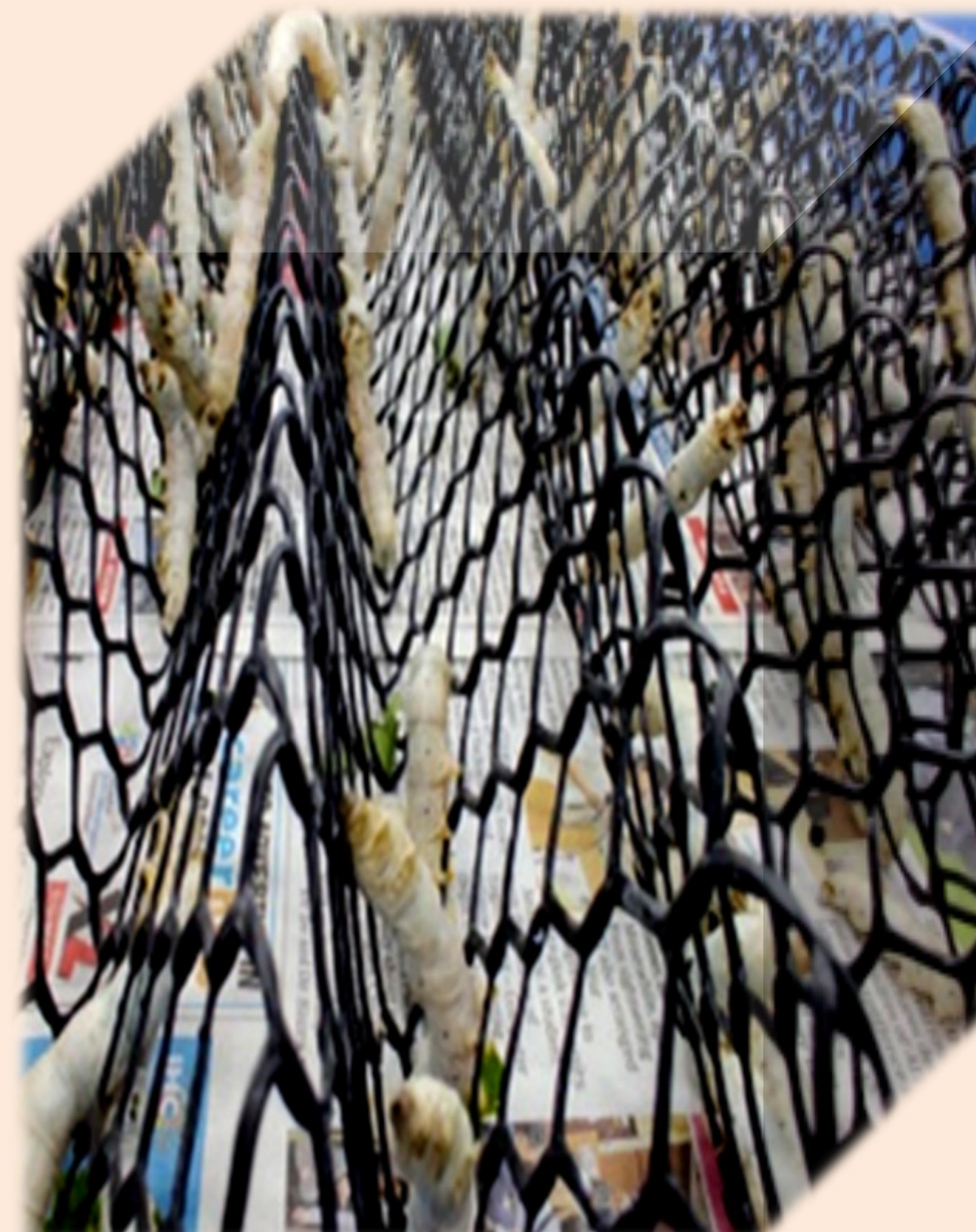
Bamboo Chandrike (Mountage)

- Less-uniform cocoons
- Huge labour costs for mounting & harvest
- Difficulty in maintenance & disinfection
- More chances for injuring mature larvae
- Higher chances for melt cocoon formation
- More chances for double cocoon formation
- Low quality cocoons



Plastic Collapsible Mountage

- ✓ Production of uniform quality cocoons
- ✓ Easy cocoon harvests
- ✓ Requires less storage space
- ✓ More durable & easy disinfection
- ✓ Convenient to maintain proper hygiene
- ✓ Saves time, labour, and avoids drudgery
- ✓ Less defective cocoon formation
- ✓ Reduces cost of cocoon production



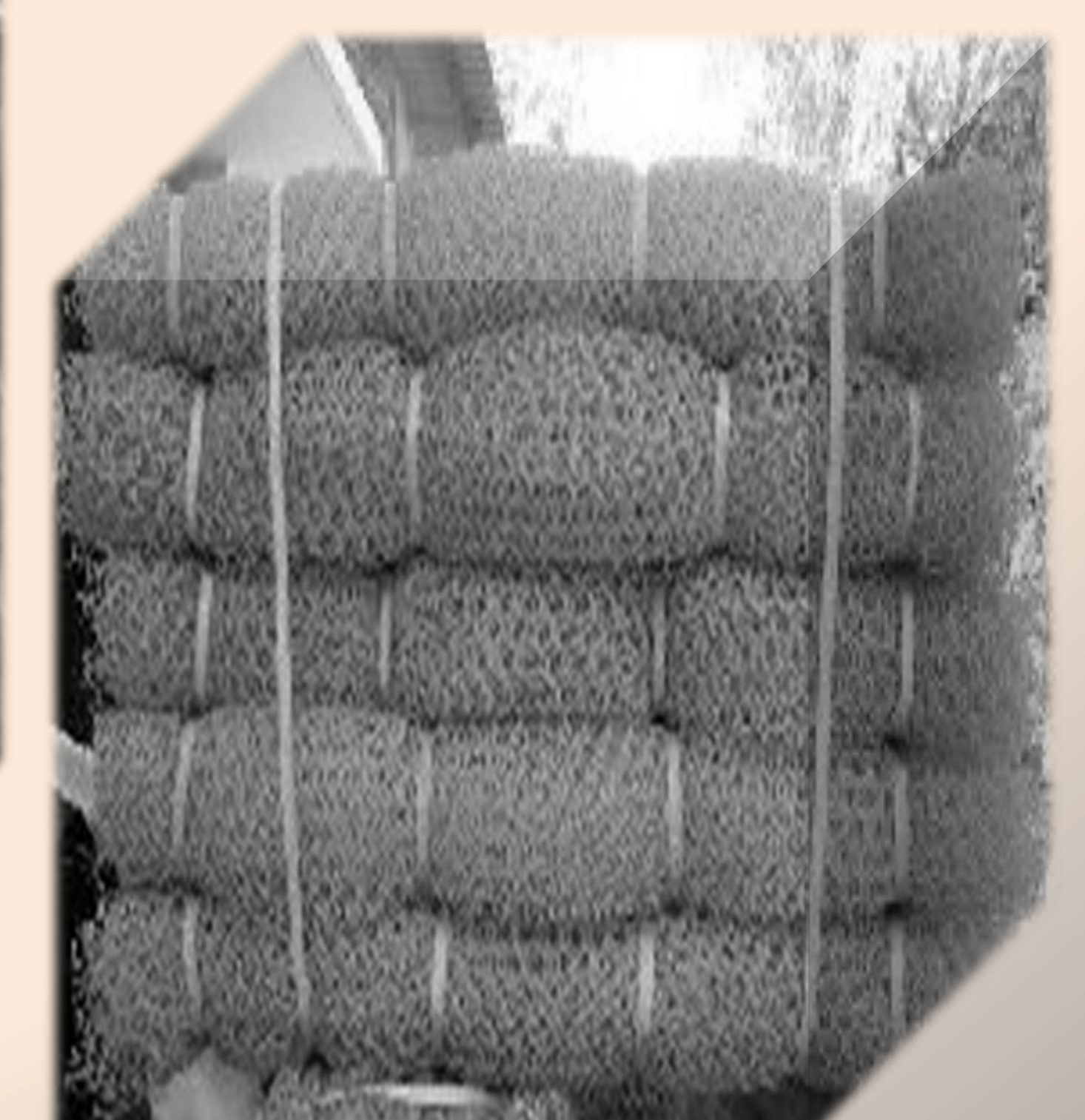
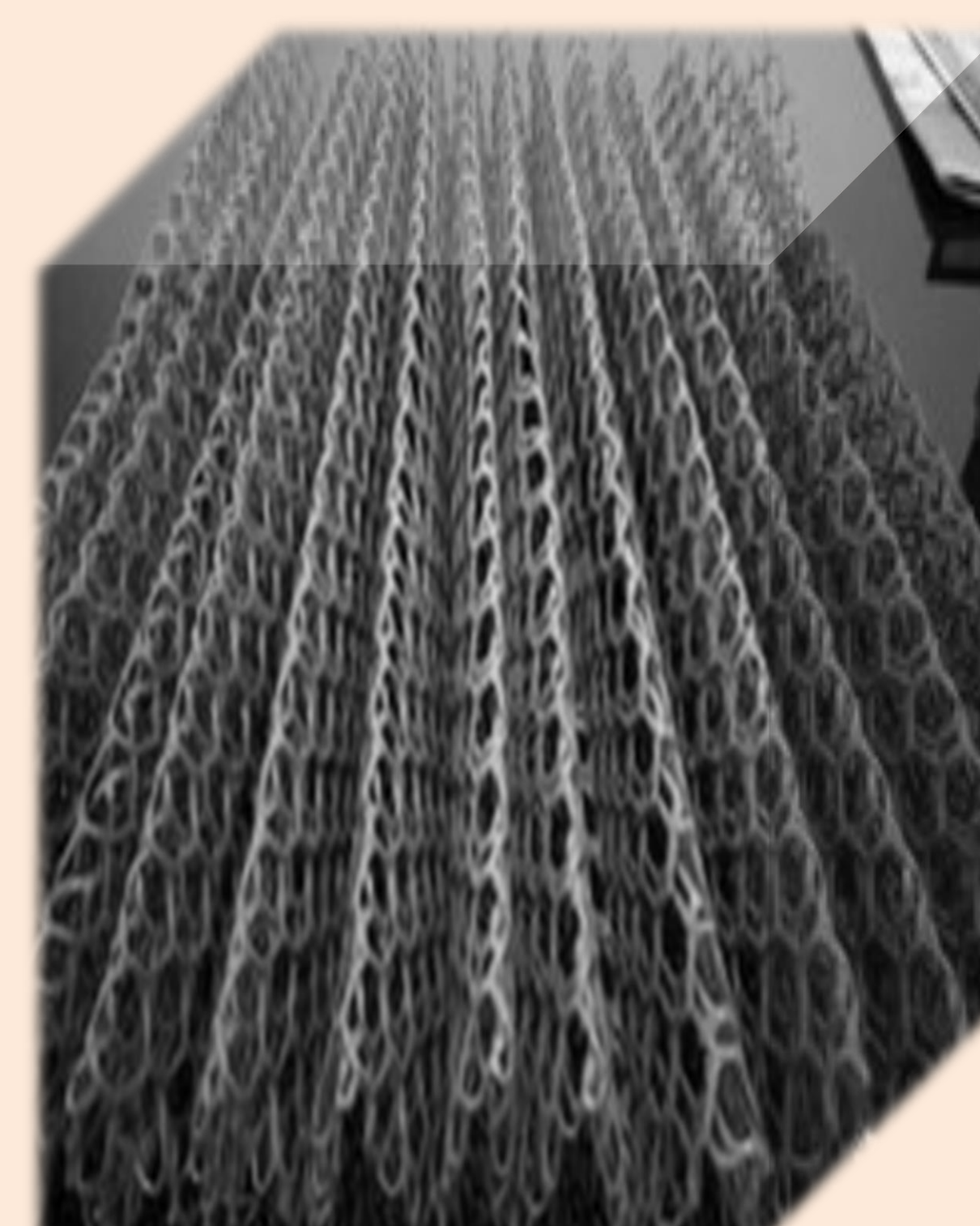
Mounting Density (Recommended)

Multi×Bi	50 larvae per ft ²	350 per mountage
Bi×Bi	40 larvae per ft ²	300 per mountage

Temp.: 24-25°C; Humidity: 60-70%; Cross ventilation

Washing & Cleaning

- Clean the plastic mountages from floss, dead/diseased larvae, melt cocoons
- Disinfect the plastic mountages by immersing in 2% bleaching powder solution for a day
- Sun-dry the mountages; fold properly and bundle them (10 or 12 Nos/bundle)



For Quality Cocoons, Adopt Plastic Collapsible Mountages

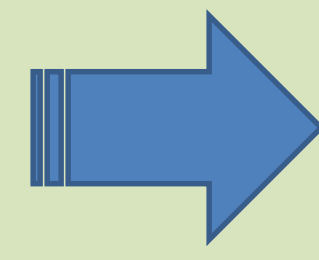
EXTENSION & PUBLICITY DIVISION

CSRTI-Berhampore (West Bengal)

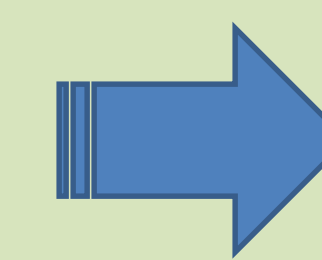
Programmes

- Seri Model Village (SMV)
- Bivoltine-Cluster Promotion Programmes (BV-CPP)

CSRTI
(RSRSs
&
RECs)



DoT (S)



Farmers &
Reelers



Transfer of Technologies (ToT)

- Popularization of newly authorized mulberry variety (C-2038)
- Popularization of new silkworm hybrids
- Demonstration of Bio-control agents
- Popularization of Chawki rearing
- Popularization of collapsible plastic mountages & shoot feeding (shelf rearing)

Extension Communication Programmes

- Awareness Programme
- Field Day
- Technology Demonstration
- Farmers' Day
- Group Discussion
- Workshop/Seminars/exhibition
- Resham Krishi Mela (RKM)



Other Activities

- Field supervision at farmers' level
- SMS services through mKisan portal
- Participation of Radio/TV programmes
- Monitoring & supervision of nested units in Eastern and North Eastern region