

# Mechanization in Sericulture



Central silk Board

Ministry of Textiles

# Why Mechanisation ?

- \* Reduces labour
- \* Saves time
- \* Work gets done faster
- \* Allows a sericulturist to expand area of cultivation
- \* Elimination of drudgery
- \* More effective and efficient than manual work
- \* Maximise output with low input cost in the long run

# Activities of Silk Industry



On-farm activities



Non-farm activities

# Tractor Operated Sub Soiler



<b>Cost</b>	<b>15,000/-</b>	
Efficiency	125 sq mt/h	4000 sq mt/h

# Tractor Operated Auger Digger



Cost	80,000/-	
Efficiency	3 pits/h	25 pits/h

# Mulberry Cutting Preparation Machine



Cost	12,000/-	
Efficiency	300/h	1200/h

# Power Rotavator, Cultivator & Weeder



<b>Cost</b>	<b>1,50,000</b>	
Efficiency	20 sq mt/h	2000 sq mt/h



<b>Cost</b>	<b>75,000/-</b>	
Efficiency	20 sq mt/h	1,000 sq mt/h

# Knapsac Mulberry Pruner cum Harvester



Cost	30,000/-	
Efficiency	100 kg/h	500 kg/h



# Shoot Crushing Machine



**Cost**

**25,000/-**

**Efficiency**

**500 kg/hr**

# Power Operated Sprayer



**Cost**

**7,500/-**

**Efficiency**

**30 to 45 min**

# Chawki Leaf Chopper



Cost	35,000/-	
Efficiency	20kg/h	200kg/h

# Cocoon Harvester



Cost	15,000/-	
Efficiency	10 kg/h	50 kg/h



Cost	17,000/-	
Efficiency	5 kg/h	25kg/h

# Cocoon Deflosser



Cost	12,000/-	
Efficiency	5 kg/h	40 kg/h

# Plastic Tray Washing Machine



Cost

35,000/-

Efficiency

30 trays/h

120 trays/h

# Cocoon Cutting Machine



<b>Cost</b>	<b>50,000/-</b>	
<b>Efficiency</b>	250 c/hr	5000 c/hr

# Young Age Silkworm Dusting Machine



Cost	30,000/-	
Efficiency	30 tr/hr	400 tr/hr