



**Som (*Persea bombycina*)**



**Soalu (*Litsea polyantha*)**



**Recommended Spacing of Som (3X3m)**



**Recommended Spacing of Soalu (3X3m)**

**Plate 1: Muga host plants and their recommended spacing**



**Plate 2: Inputs application to the muga host plants**





**Light pruning of som plants**



**Pollarding of som plants**

**Plate 3: Pruning and pollarding of muga host plants**



**Turmeric with Som**



**Ginger with Som**



**Colocasia with Som**

**Plate 4: Intercropping with muga host plants**



Larva of *Zeuzera indica*



Adult of *Zeuzera indica*



Infested muga host plants

**Plate 5 : Stem borer (*Zeuzera indica*) – a serious pest of muga host plants**



Neem (*Azadirachta indica*)



Positia (*Budelia adciatica*)



Titabahak (*Adhatoda vasica*)

**Plate 6 : Different botanicals for control of stem borer of muga host plants**



Preparation of plant extracts



Application

**Plate 7: Preparation of plant extracts and application to the stem borer infested plants**



Spraying of Sodium Hypochlorite



Dusting of lime and bleaching powder

**Plate 8: Disinfection of rearing fields before brushing of muga silkworm**





**Plate 9 : Early stage rearing of muga silkworm under nylon net**



**Adult uzi fly**



**Uzi egg on muga larva**



**Uzi infested muga larva**

**Plate 10: Uzi fly and its infestation on muga silkworm**



**Plate 11: Culture of *Nesolynx thymus* in housefly pupae**



**Plate 12 : Release of *Nesolynx thymus* at the rearing field**



Plate 13 : Muscardine disease of muga silkworm



Plate 14 : Spraying of 'Lahdoi' to control muscardine disease of muga silk worm



Plate 15 :Improved moutage for spinning of muga cocoons





Plate 16 : Muga mother moth examination to check pebrine disease



Plate 17 : Surface disinfection of muga silkworm eggs



**Plate 18: Light green body colour with uniform growth muga larvae**



**Plate 19 : Copper coloured head and mandible of muga larva**

**Plate 20 : Feeding of leaf by muga larvae**



**Plate 21 :Uniform size muga cocoons**

**Plate 22: Pointed posterior end of muga pupae**



**Plate 23: Male muga moth**

**Plate 24: Female muga moth**





**Plate 25: Uniform egg laying around the *Khorika***



**Plate 26: Disinfection of rearing and grainage appliances through smoke**



**Plate 27: Muga seed cocoon preservation**





Plate 28: Muga seed cocoon exposed to sunlight



Plate 29: Paired muga moths tied with Kharika



Plate 30: Decoupling of muga moths



Plate 31 : Paired muga moths kept in dark room



Plate 32: Spread of tulsi (*Oscimum sanctum*) twigs over the muga layings



Plate 33: Naharpotia som leaf



Plate 34: Muga silkworm rearing at Dighlati plants





**Plate 35: Burning of debris before rearing of muga silkworm**



**Plate 36 : Pinned dead birds at some plants**



**Plate 37: Brushing of muga silkworm**



**Plate 38: Gridle of banana pseudo stem**



**Plate 39: Transferring of muga silkworms**



**Plate 40 :Jali of dry leaves and twigs**



**Plate 41: Muga cocoon harvesting from jali**



**Plate 42: Muga cocoon stifling at sunlight**