

APPENDIX -I
Interview Schedule for Investigation on
Knowledge and Adoption of Technologies of Muga Culture by the
Muga farmers of Golaghat District in Assam.

Part –I : Socio-economic attributes of the muga farmers

1	Name of the farmer	:	
2	Address	:	
3	Sex	:	Male/Female
4	Age	:	
5	Caste	:	SC/ST/OBC/MOBC/Gen
6	Marital status	:	Married/Unmarried
7	Educational status	:	Illiterate/Primary/Middle/Secondary/ Graduate
8	Family size	:	Male: Female : Children :
9	Primary occupation		
10	Annual Income (Rs.)		
	a) From Sericulture	:	
	b) Other Agricultural enterprises	:	
	c) Non agricultural	:	
11	Land holding in muga culture (Acres)	:	
	a) Less than one acre	:	
	b) One acre	:	
	c) Above one acre		
12	Experience/Association with muga culture (Years)	:	

13. Mass Media Participation

#	Mass Media	Mode of participation		
		Regular	Occasional	Never
1	Television			
2	Radio			
3	News paper			
4	Any other			

14. Extension Participation

#	Programmes	Mode of participation		
		Regular	Occasional	Never
1	Field day			
2	Method demonstration			
3	Field demonstration			
4	Documentary /Film show			
5	Workshop			
6	Exhibition			
7	Reshom Krishimela			
8	Training			
9	Exposure visit			
10	Any other			

PART –II (A)

Knowledge level of the farmers on improved technologies of muga culture

Sl. No	Name of the Technologies	Correct answer	Wrong answer
1	Spacing of host plants		
2	Application FYM and NPK		
3	Pruning schedule		
4	Control of stem borer		
5	Intercropping		
6	Pre brushing care		
7	Early stage rearing		
8	Biological control of uzi fly		
9	Lahdoi		
10	Improved mountage		
11	Mother moth examination		
12	Egg surface disinfection		

Part –II (B)
Adoption of improved technologies of muga culture by the farmers

Sl. No	Name of the Technologies	Complete adoption	Partial adoption	Non adoption
1	Spacing of host plants			
2	Application FYM and NPK			
3	Pruning schedule			
4	Control of stem borer			
5	Intercropping			
6	Pre brushing care			
7	Early stage rearing			
8	Biological control of uzi fly			
9	Lahdoi			
10	Improved mountage			
11	Mother moth examination			
12	Egg surface disinfection			

Part –II (C)
Constraints of muga farmers for non adoption of improved technology

Sl. No	Constraints	Score
1	Lack of knowledge	
2	Lack of time	
3	Non availability of materials	
4	High cost	
5	Inclination towards traditional practice	
6	Non remunerative	
7	Non availability of silkworm seeds on time	
8	Labour intensive	
9	Non availability of own farm	
10	Marketing of cocoon	
11	Any other (specify)	

Part –II (D)
Traditional Practices Followed by Muga farmers

Sl No	Activities	Traditional practices/methods/criteria
1	Selection of healthy brood of silkworm	
	i. Larval stage	
	ii. Cocoon/ pupal stages	
	iii. Adult stage	
	iv. Egg stage	
2	Disinfection	
	i. Rearing and grainage appliances	
	ii. Grainage house	
	iii. Rearing field	
3	Silkworm seed production	
	i. Preservation of seed cocoons	
	ii. Coupling of moths	
	iii. De-copulation of moths	
	iv. Egg laying and egg preservation	
4	Silkworm rearing	
	i. Selection of host plants	
	ii. Pre brushing care	
	iii. Brushing of worms	
	iv. Transfer of worms	
	v. Mounting of ripen worms	
	vi. Control of pest and diseases of silkworm	
5	Harvesting of cocoon	
6	Stifling of cocoons	

14. Any other traditional practices adopted by the farmer :
(Specified)
15. Why does he use traditional practice :
16. How does he come to know about traditional practice :

Signature of the farmers

Signature of the investigator

APPENDIX –II

Cocoon Yield Under Improved /Traditional Practices by the Muga farmers of Golaghat District in Assam.

1	Name of the farmer	:	
2	Address	:	
3	Sex	:	Male/Female
4	Age	:	
5	Name of the practices adopted for rearing of silkworm crops	:	Improved/traditional
6	Area of plantation (acre)	:	
7	Name of the crops reared	:	Seed/Commercial
8	Name of the seed crop taken up	:	Bhadia/ Chatua
9	Name of the commercial crop taken up	:	Jethua/ Kotia
10	Quantity of layings/dfls brushed crop	:	
11	Extent of pest incidence of silkworm (%)	:	
12	Extent of diseases incidences of silkworms (%)	:	
13	Any other loss (Specify)	:	
14	Quantity of cocoon produced (Nos)	:	
15	Cocoon yield/layings	:	
16	ERR %	:	

Signature of the farmers

Signature of the investigator