## LIST OF TABLES

Table	Title of the Table	Page No.
No.		
1.1	Global Silk Production Scenario 2013-2016	3
1.2	Silkworm Food Plants in NE during 2015-16	4
1.3	Sericulture families in NE during 2015-16	5
1.4	Raw Silk Production Scenario in N.E. States during 2014-15	6
1.5	Muga raw silk production scenario ( 2000 to 2014)	7
1.6	Raw silk production in Golaghat district from 2009 to 2014	9
3.1	Pruning schedule of muga host plants	57
4.1.1	Socioeconomic attributes of muga farmers	66
4.2.1	Knowledge level of farmers on improved technologies of muga culture	74
4.3.1	Distribution of respondents according to their knowledge level on selected improved technologies of muga culture	75
4.4.1	Correlation between socio-economic attributes of muga farmers and their knowledge level on improved technologies of muga culture	77
4.4.2	Multivariable relationship between socio-economic attributes of muga farmers and their knowledge level on improved technology of muga culture	78
4.4.3	Association between of socio-economic variables and knowledge of farmers on improved technologies (Chisquare test)	79
4.5.1	Adoption level of improved technologies by the muga farmers	80
4.6.1	Distribution of respondents according to their adoption level on selected improved technologies of muga culture	81

Table No.	Title of the Table	Page No.
4.7.1	Correlation between socio-economic attributes of muga farmers and their adoption level of improved technologies	83
4.7.2	Multivariable relationship between socio-economic attributes of muga farmers and their adoption level	85
4.7.3	Association between of socio-economic variables of the farmers and adoption of improved technologies (Chi-square test)	86
4.8.1	Selection criterion of healthy brood of muga silkworm in traditional method	87
4.8.2	Traditional methods of disinfection followed by muga farmers	88
4.8.3	Traditional methods of silkworm seed production	88-89
4.8.4	Traditional methods of muga silkworm rearing	90-91
4.8.5	Traditional mountage, harvesting and stifling of cocoons	91-92
4.9.1	Average performance of muga seed crops in different seasons under traditional practice	94
4.9.2	Average performance of muga seed crops in different seasons under improved practice	95
4.9.3	Average performance of muga commercial crop in different seasons under traditional practice	96
4.9.4	Average performance of muga commercial crops in different seasons under improved practice	97
4.9.5	Descriptive statistics on ERR of Chatua Seed crops under traditional and improved practice	99
4.9.6	t- Test for Equality on ERR of Chatua Seed crops under traditional and improved practice	99
4.9.7	Descriptive statistics on ERR of Bhodia Seed crops under traditional and improved practice	99
4.9.8	t- Test for Equality on ERR of Bhodia Seed crops under traditional and improved practice	100

Table	Title of the Table	Page No.
No. 4.9.9	Descriptive statistics on ERR Jethua Commercial	100
	crops under traditional and improved practice	100
4.9.10	t-Test for Equality on ERR of Jethua Commercial	100
4.7.10	crops under traditional and improved practice	100
4.9.11	Descriptive statistics on ERR of Kotia Commercial	101
4.7.11	crops under traditional and improved practice	101
40.12		101
4.9.12	t- Test for Equality on ERR of Kotia Commercial	101
	crops under traditional and improved practice	
4.9.13	Summarized ERR variations of seed and commercial	102
	crops in traditional and improved practice	
4.9.14	Summarization of t- Test result on ERR of Seed and	103
	Commercial crops under traditional and improved	
	practice	
4.10.1	Calculated annual cost of muga seed cocoon yield	104
	under traditional methods (Unit area: 1.0 acre)	
4.10.2	Calculated annual cost of muga seed cocoon yield	105
	under improved technology (Unit area: 1.0 acre)	
4.10.3	Annual cost of muga commercial cocoon yield under	106
	traditional methods (Unit area: 1.0 acre)	
4.10.4	Annual cost of muga commercial cocoon yield under	107
	improved technology (Unit area: 1.0 acre)	
4.10.5	Economics of muga seed crops under traditional and	108
	improved practices (Unit area: 1.0 acre)	
4.10.6	mics of muga commercial crops under traditional and	109
	improved practices (Unit area: 1.0 acre)	
4.11.1	Constraints of muga farmers for low and non adoption	110
	of improved technology	