

### List of tables

Table no.	Legends	Page no.
1	Percentage of disease index of different foliar disease of Som (Average value of two years): 2014-2016	41
2	Epidemiology of major foliar diseases Som from five different sites of Goalpara district of Assam during 2014-2016	45
3	Disease epidemiology at Budlung pahar, Goalpara in different Seasons during 2014-2016	47
4	Disease epidemiology at Dorapara agia, Goalpara in different Seasons during 2014-2016	48
5	Disease epidemiology at Buraburi, Goalpara in different Seasons during 2014-2016	49
6	Disease epidemiology at Bhalukdubi, Goalpara in different Seasons during 2014-2016	50
7	Disease epidemiology at Lengopara, Goalpara in different Seasons during 2014-2016	51
8	Frequency of occurrence (%) of fungal isolates in the non-rhizosphere soil of som from Goalpara district of Assam during 2014-2016	60
9	Frequency of occurrence (%) of fungal isolates in the rhizosphere soil of som from Goalpara district of Assam during 2014-2016	61
10	Percentage of occurrence of aeromycoflora from som growing areas of Goalpara district, Assam during various muga crop seasons (2014-2016)	63
11	Fungal isolates from phylloplane of som during Chatuwa generation of <i>A.assamensis</i> (Feb-March, 2014)	65
12	Fungal isolates from phyllosplane of som during Jethuwa generation of <i>A.assamensis</i> (April-May, 2014)	66

13	Observation of fungal isolates from phylloplane of som during Aheruwa generation of <i>A.assamensis</i> (June-July, 2014)	67
14	Observation of fungal isolates from phylloplane of som during Bhodia generation of <i>A.assamensis</i> (Aug-Sept, 2014)	68
15	Observation of fungal isolates from phylloplane of som during Kotia generation of <i>A.assamensis</i> (Oct-Nov, 2014)	69
16	Observation of fungal isolates from phylloplane of som during Kotia generation of <i>A.assamensis</i> (Dec, 2014-Jan, 2015)	70
17	Occurrence of phylloplane mycoflora of som during Chatuwa generation of muga silkworm (Feb-Mar), 2015	71
18	Occurrence of phylloplane mycoflora of som during Jethuwa generation of muga silkworm (April-May), 2015	72
19	Occurrence of phylloplane mycoflora of som during Aheruwa generation of muga silkworm (June-July), 2015	73
20	Observation of fungal isolates from phylloplane of som during Bhodia generation of <i>A.assamensis</i> (Aug-Sept, 2015)	74
21	Observation of fungal isolates from phylloplane of som during Kotia generation of <i>A.assamensis</i> (Oct-Nov, 2015)	75
22	Observation of fungal isolates from phylloplane of som during Jaruwa generation of <i>A.assamensis</i> (Dec, 15- Jan, 2016)	76
23	Physicochemical properties of soil of Goalpara district of Assam during summer and winter seasons (2014-2016)	87
24	Soil texture of the district during summer and winter seasons (2014-2016)	87
25	Biochemical estimation of foliar constituents of Som during different seasons of 2014-2016	88
26	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by	91

	systemic chemical fungicide Bavistin	
27	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by systemic chemical fungicide Topsin M	91
28	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by systemic chemical fungicide Mancozeb	92
29	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by systemic chemical fungicide Copper oxychloride	92
30	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by aqueous extract of <i>Azadirachta indica</i>	95
31	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by aqueous extract of <i>Bougainvillea spectabilis</i>	95
32	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by aqueous extract of <i>Eupatorium odoratum</i>	96
33	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by aqueous extract of <i>Lantana camara</i>	96
34	Mycelial growth inhibition of <i>Pestalotiopsis disseminata</i> by aqueous extract of <i>Lucas aspera</i>	97
35	Tests of between-subjects effects	101
36	Multiple comparisons by Tukey HSD	101
37	Multiple comparisons by Tukey HSD	102
38	Tests of between- subjects effects	103
39	Multiple comparison by Tukey HSD	103
40	Multiple comparison by Tukey HSD	104