## List of Tables

<table>
<thead>
<tr>
<th>Table No.</th>
<th>Title</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Scale showing graded level of infestation.</td>
<td>43</td>
</tr>
<tr>
<td>3.2</td>
<td>Commercial preparations.</td>
<td>46</td>
</tr>
<tr>
<td>3.3</td>
<td>Local preparations.</td>
<td>47</td>
</tr>
<tr>
<td>4.1</td>
<td>Showing size, duration and color of various stages in the life-cycle of <em>Glyphodes pyloalis</em> Wlk.</td>
<td>55</td>
</tr>
<tr>
<td>4.2</td>
<td>Multiple Comparison of Light Trap Catches (2005).</td>
<td>56</td>
</tr>
<tr>
<td>4.3</td>
<td>Multiple Comparison of Light Trap Catches (2006).</td>
<td>56</td>
</tr>
<tr>
<td>4.4</td>
<td>Plot-wise population of <em>Glyphodes pyloalis</em> Wlk.</td>
<td>57</td>
</tr>
<tr>
<td>4.5</td>
<td>Site-wise population of <em>Glyphodes pyloalis</em> Wlk. larvae</td>
<td>57</td>
</tr>
<tr>
<td>4.6</td>
<td>Percentage leaf damage for the year 2006.</td>
<td>59</td>
</tr>
<tr>
<td>4.7</td>
<td>Percentage leaf damage for the year 2007.</td>
<td>59</td>
</tr>
<tr>
<td>4.8</td>
<td>Multiple Comparison of treated and control plots</td>
<td>59</td>
</tr>
<tr>
<td>4.9</td>
<td>Evaluation of efficacy (toxicity) of synthetic insecticides against <em>G. pyloalis</em> in Field.</td>
<td>60</td>
</tr>
<tr>
<td>4.10</td>
<td>Multiple Comparisons representing comparison between different levels of treatments used for testing their safety against <em>Bombyx mori</em> L.</td>
<td>64</td>
</tr>
<tr>
<td>4.11</td>
<td>Natural control agents associated with <em>Glyphodes pyloalis</em></td>
<td>65</td>
</tr>
<tr>
<td>4.12</td>
<td>Pest Incidence</td>
<td>70</td>
</tr>
<tr>
<td>4.13a</td>
<td>PDI in five Genotypes of mulberry by <em>G. pyloalis</em> Wlk. during Spring 2005.</td>
<td>71</td>
</tr>
<tr>
<td>4.13b</td>
<td>PDI in five genotypes of mulberry by <em>G. pyloalis</em> Wlk. during Summer 2005.</td>
<td>72</td>
</tr>
</tbody>
</table>
4.13c PDI in five genotypes of mulberry by *G. pyloalis* Wlk. during Autumn 2005.

4.14a Light trap catches of *G. pyloalis* moths (Spring) 74

4.14b Light trap catches of *G. pyloalis* moths (Summer) 74

4.14c Light trap catches of *G. pyloalis* moths (Autumn) 75

4.15 Efficacy of different commercial preparations of botanicals against *G. pyloalis* Wlk. population in field.

4.16 Efficacy of different local preparations of plant extracts against *G. pyloalis* in field.

4.17 Efficacy of different commercial preparations of botanicals against *G. pyloalis* Wlk. in laboratory.

4.18 Laboratory evaluation of local preparations of different plant extracts against *G. pyloalis* Wlk.

4.19 Efficacy of different commercial preparations of botanicals against *G. pyloalis* Wlk. in laboratory.

4.20 Evaluation of different botanicals for their visible residual toxicity to mulberry silkworm *Bombyx mori* L.

4.21 Location wise population of parasitoids of *G. pyloalis* Wlk.

4.22 Showing overlapping generations of *G. pyloalis* Wlk.

4.23 Mean Meteorological data (2005).