### LIST OF TABLES

<table>
<thead>
<tr>
<th>Table No.</th>
<th>Particulars</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1-</td>
<td>Seasonal incidence of cabbage aphid <em>B. brassicae</em> population during first cropping season (2010-2011).</td>
<td></td>
</tr>
<tr>
<td>4.2-</td>
<td>Seasonal incidence of cabbage aphid <em>B. brassicae</em> population during second cropping season (2011-2012).</td>
<td></td>
</tr>
<tr>
<td>4.3-</td>
<td>Seasonal incidence of Coccinellid population during first cropping season (2010-2011).</td>
<td></td>
</tr>
<tr>
<td>4.4-</td>
<td>Seasonal incidence of Coccinellid population during second cropping season (2011-2012).</td>
<td></td>
</tr>
<tr>
<td>4.5-</td>
<td>Seasonal incidence of Syrphids population during first cropping season (2010-2011).</td>
<td></td>
</tr>
<tr>
<td>4.6-</td>
<td>Seasonal incidence of Syrphid population during second cropping season (2011-2012).</td>
<td></td>
</tr>
<tr>
<td>4.7-</td>
<td>Correlation between cabbage aphid population, predators, syrphids, coccinellids and weather parameters during first cropping season (2010-2011).</td>
<td></td>
</tr>
<tr>
<td>4.8-</td>
<td>Correlation between cabbage aphid population, predators, syrphids, coccinellids and weather parameters during second cropping season (2011-2012).</td>
<td></td>
</tr>
<tr>
<td>4.9-</td>
<td>Seasonal incidence of diamond back moth <em>Plutella xylostella</em> population during first cropping season (2010-2011).</td>
<td></td>
</tr>
<tr>
<td>4.10-</td>
<td>Seasonal incidence of diamond back moth <em>Plutella xylostella</em> population during second cropping season (2011-2012).</td>
<td></td>
</tr>
</tbody>
</table>
4.11- Survey of diamond back moth, *Plutella xylostella* at farmer’s field during first cropping season (2010-2011).


4.13- Biology of diamond back moth, *Plutella xylostella*

4.14- Biology of aphidophagous predator, *Coccinella septempunctata*

4.15- Biology of aphidophagous predator, *Coccinella transversalis*.

4.16- Feeding potential of aphidophagous predators, *C septempunctata*, and *C. transversalis*.

4.16- Percent net mortality of 1\textsuperscript{st}, 3\textsuperscript{rd} and 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated at 24 hrs, 48 hrs and 72 hrs through oral feeding effect.

4.17- Percent net mortality of 1\textsuperscript{st} instar larvae of *Plutella xylostella* when treated by oral feeding method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.18- Percent net mortality of 3\textsuperscript{rd} instar larvae of *Plutella xylostella* when treated by oral feeding method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.19- Percent net mortality of 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated by oral feeding method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.20- Percent net mortality of 1\textsuperscript{st}, 3\textsuperscript{rd} and 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated at 24 hrs, 48 hrs and 72 hrs through oral feeding effect.
4.21- Percent net mortality of 1\textsuperscript{st} instar larvae of *Plutella xylostella* when treated by contact action method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.22- Percent net mortality of 3\textsuperscript{rd} instar larvae of *Plutella xylostella* when treated by contact action method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.23- Percent net mortality of 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated by contact action method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.24- Percent net mortality of 1\textsuperscript{st}, 3\textsuperscript{rd} and 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated at 24 hrs, 48 hrs and 72 hrs through contact action effect.

4.25- Percent net mortality of 1\textsuperscript{st} instar larvae of *Plutella xylostella* when treated by residual method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.26- Percent net mortality of 3\textsuperscript{rd} instar larvae of *Plutella xylostella* when treated by residual method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.27- Percent net mortality of 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated by residual method for the different time period of 24 hrs, 48 hrs and 72 hrs.

4.28- Percent net mortality of 1\textsuperscript{st}, 3\textsuperscript{rd} and 4\textsuperscript{th} instar larvae of *Plutella xylostella* when treated at 24 hrs, 48 hrs and 72 hrs through residual effect.

4.29- Effect of various insecticidal spray on field population of *Plutella xylostella* larvae on cabbage after first spray in the cropping year (2010-2011).
4.30- Effect of various insecticidal spray on field population of *Plutella xylostella* larvae on cabbage after second spray in the cropping year (2010-2011).

4.31- Effect of various insecticidal spray on field population of *Plutella xylostella* larvae on cabbage after first spray in the cropping year (2011-2012).

4.32- Effect of various insecticidal spray on field population of *Plutella xylostella* larvae on cabbage after second spray in the cropping year (2011-2012).

4.33- Impact of different insecticidal treatment on cabbage yield in the season (2010-2012).

4.34- Economics and benefit cost ratio of different treatments on cabbage crop during 2010-2011.

4.35- Economics and benefit cost ratio of different treatments on cabbage crop during 2011-2012.

4.36- Efficacy of different combination (Modules) against larvae of *Plutella xylostella* on cabbage (2010-2011).

4.37- Efficacy of different combination (Modules) against larvae of *Plutella xylostella* on cabbage (2011-2012).