

Table 1 Mortality percent of different instars of *Culex quinquefasciatus* exposed to different concentrations of crude root extract of *Annona reticulata* (Mean mortality percent  $\pm$  Standard error)

| Instars         | Concentrations (%) | Mortality % at different exposure periods |                   |                   |
|-----------------|--------------------|---|-------------------|-------------------|
|                 |                    | 24 h                                      | 48 h              | 72 h              |
| 1 <sup>st</sup> | 0.01               | 73.33 $\pm$ 3.33                          | 76.66 $\pm$ 3.33  | 90.00 $\pm$ 0.00  |
|                 | 0.02               | 76.66 $\pm$ 3.33                          | 93.33 $\pm$ 3.33  | 100.00 $\pm$ 0.00 |
|                 | 0.03               | 100.00 $\pm$ 0.00                         | 100.00 $\pm$ 0.00 | 100.00 $\pm$ 0.00 |
|                 | 0.04               | 100.00 $\pm$ 0.00                         | 100.00 $\pm$ 0.00 | 100.00 $\pm$ 0.00 |
|                 | 0.05               | 100.00 $\pm$ 0.00                         | 100.00 $\pm$ 0.00 | 100.00 $\pm$ 0.00 |
| 2 <sup>nd</sup> | 0.01               | 33.33 $\pm$ 3.33                          | 36.66 $\pm$ 3.33  | 43.33 $\pm$ 3.33  |
|                 | 0.02               | 46.66 $\pm$ 3.33                          | 53.33 $\pm$ 3.33  | 63.33 $\pm$ 3.33  |
|                 | 0.03               | 56.66 $\pm$ 3.33                          | 63.33 $\pm$ 6.66  | 76.66 $\pm$ 3.33  |
|                 | 0.04               | 66.66 $\pm$ 3.33                          | 73.33 $\pm$ 3.33  | 83.33 $\pm$ 3.33  |
|                 | 0.05               | 83.33 $\pm$ 3.33                          | 86.66 $\pm$ 3.33  | 100.00 $\pm$ 0.00 |
| 3 <sup>rd</sup> | 0.01               | 36.66 $\pm$ 3.33                          | 43.33 $\pm$ 3.33  | 50.00 $\pm$ 5.78  |
|                 | 0.02               | 43.33 $\pm$ 3.33                          | 46.66 $\pm$ 3.33  | 60.00 $\pm$ 5.78  |
|                 | 0.03               | 63.33 $\pm$ 3.33                          | 66.66 $\pm$ 3.33  | 76.66 $\pm$ 3.33  |
|                 | 0.04               | 66.66 $\pm$ 3.33                          | 73.33 $\pm$ 3.33  | 80.00 $\pm$ 0.00  |
|                 | 0.05               | 83.33 $\pm$ 3.33                          | 83.33 $\pm$ 3.33  | 93.33 $\pm$ 3.33  |
| 4 <sup>th</sup> | 0.01               | 26.66 $\pm$ 3.33                          | 33.33 $\pm$ 3.33  | 36.66 $\pm$ 3.33  |
|                 | 0.02               | 33.33 $\pm$ 3.33                          | 40.00 $\pm$ 0.00  | 43.33 $\pm$ 3.33  |
|                 | 0.03               | 43.33 $\pm$ 3.33                          | 46.66 $\pm$ 3.33  | 56.66 $\pm$ 3.33  |
|                 | 0.04               | 53.33 $\pm$ 3.33                          | 56.66 $\pm$ 3.33  | 60.00 $\pm$ 0.00  |
|                 | 0.05               | 60.00 $\pm$ 0.00                          | 66.66 $\pm$ 3.33  | 76.66 $\pm$ 3.33  |