

**Appendix A**Sublethal concentrations (LC<sub>10</sub> and LC<sub>20</sub>) of biopesticides to *C. lividipennis*

| Biopesticides | Regression equation | Related coefficient | $\chi^2$ | LC <sub>20</sub><br>(95% confidence interval)<br>(mg a.i. L <sup>-1</sup> ) | LC <sub>10</sub><br>(95% confidence interval)<br>(mg a.i. L <sup>-1</sup> ) |
|---------------|---------------------|---------------------|----------|---|---|
| Matrine       | $y=5.1341+1.8812x$  | $r=0.9999$          | 0.0148   | 0.30 (0.19-0.41)  | 0.18 (0.10-0.26)  |
| Abamectin     | $y=1.7448+1.9137x$  | $r=0.9954$          | 1.0676   | 18.25 (12.68-23.67)   | 10.75 (6.59-15.01)  |
| Azadirachtin  | $y=-2.0183+2.9437x$ | $r=0.9928$          | 3.4792   | 125.39 (103.41-146.63)  | 88.88 (69.33-107.29)  |