

Figure 1. Cumulative mortality of adult *C. maculatus* on cowpea seed treated with different concentrations of 7 vegetable oils over a 2wk period

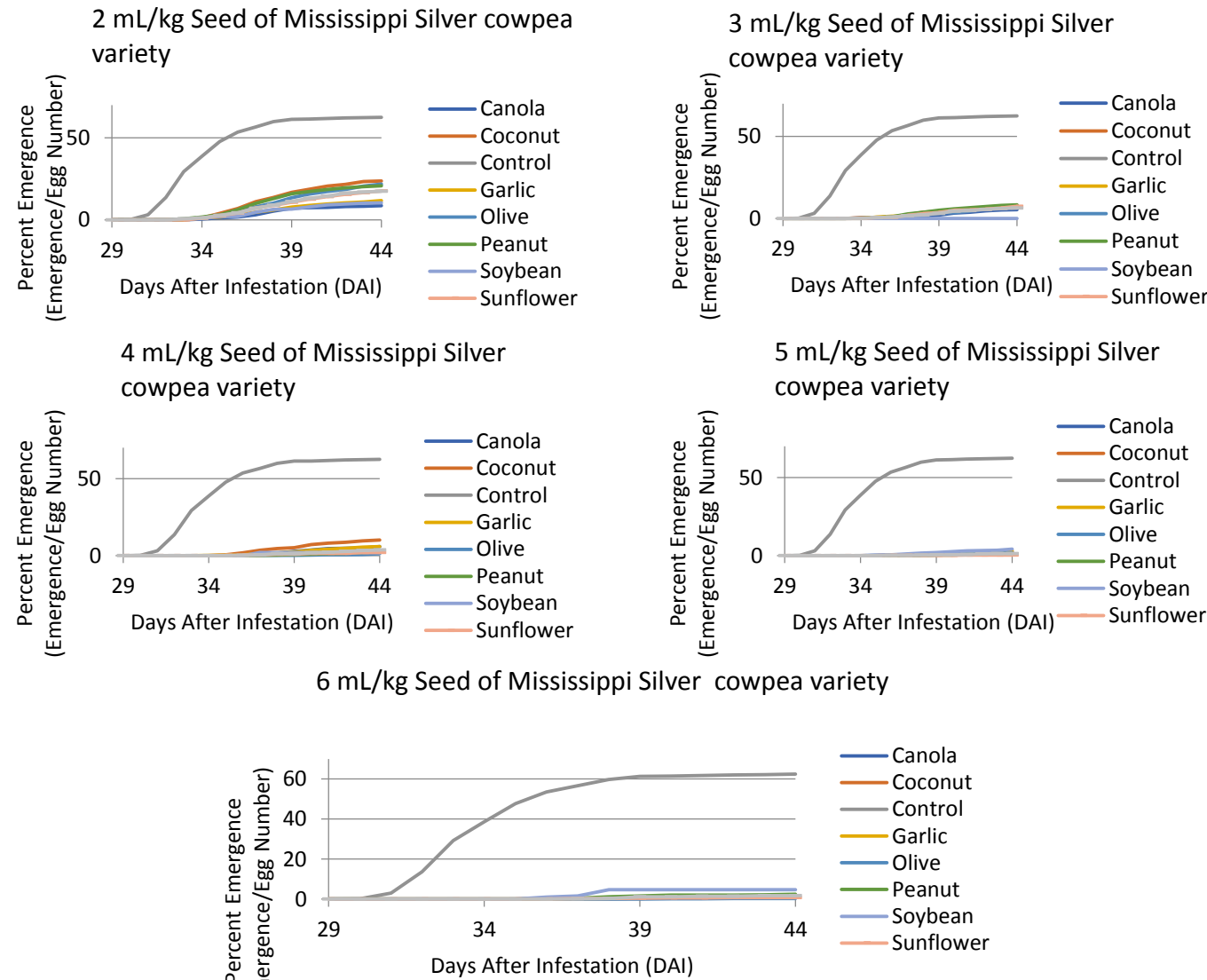


Figure 2. Cumulative percent adult *C. maculatus* emergence on seed of Mississippi Silver cowpea variety treated with different concentrations of seven oils and an untreated control

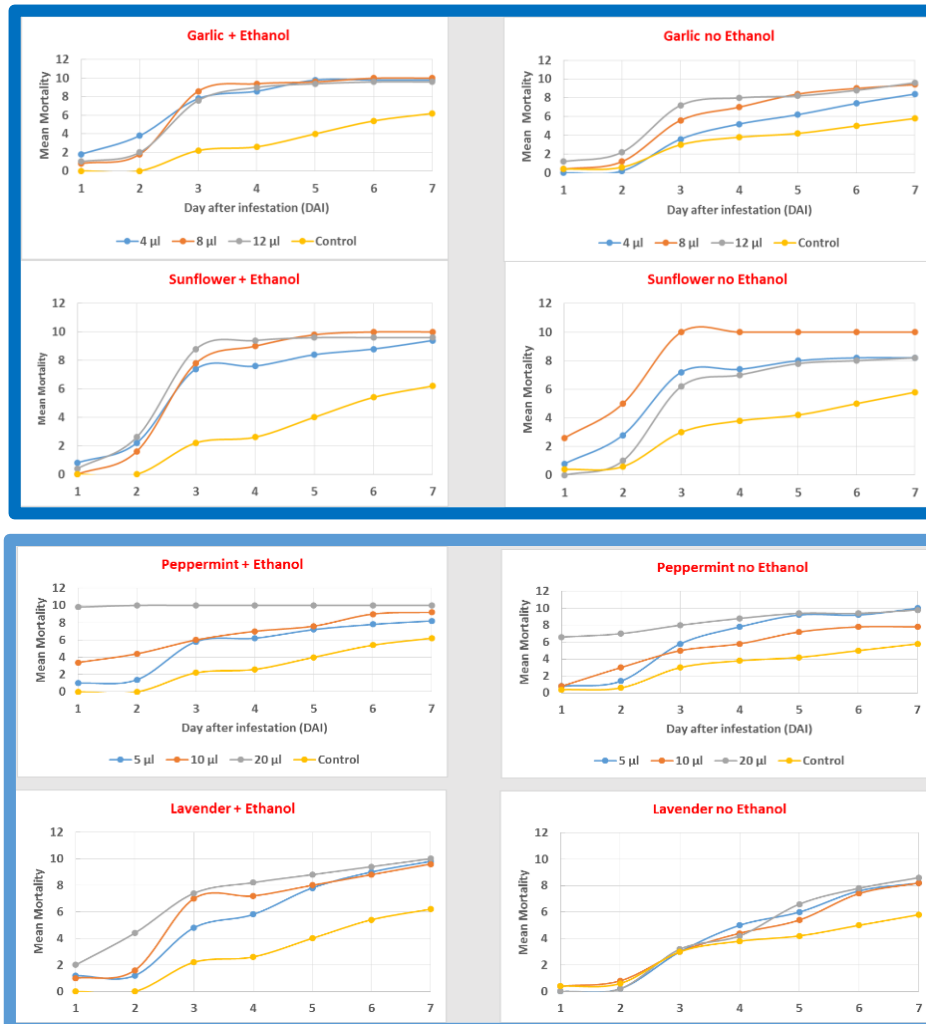


Figure 3. Adult *C. maculatus* adult emergence from cowpea seed treated with vegetable (top) and essential oils diluted in ethanol compared with an ethanol only control.



Figure 4. Cowpea variety Pinkey Purple Hull without oil (left) after 6 months of storage. No damage or emerged adults on cowpea treated with canola oil (right).