ABSTRACT

It is obvious that the quality and quantity of clusterbean were drastically reduced by various insect and pests. The study was carried out to evaluate the bioefficacy of various essential oils on the repellency property against two spotted spider mite on clusterbean. Treatments included the *Eucalyptus* oil, *Ocimum* oil, *Lavendula* oil, *Mentha* oil, *Rosemarinus* oil, *Cymbopogon* oil, *Syzygium* oil and untreated check for its efficacy. The maximum repellency was recorded in case of *Eucalyptus* oil (82.42%) and *Ocimum* oil (79.26%) followed by *Rosemarinus* oil (76.81%). The *Mentha* oil and *Cymbopogon* oil showed similar results, whereas the *Syzygium* oil (68.14%) recorded a moderate repellency against mite. The least repellency was recorded in *Lavendula* oil (52.87%) against two-spotted spider mite after 48 h of release.