TRAPPING EFFICIENCY OF HIGHLY EFFECTIVE SLOW RELEASED FORMULATIONS OF BIODEGRADABLE WAXES WITH METHYL EUGINOL AGAINST BACTROCERA ZONATA (DIPTERA: TEPHRITIDAE).

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Bactrocera zonata is an overwhelming and a polyphagous nuisance specie which incline toward guava, mango, citrus, peach, banana, apple, fig and apricot with a few vegetables including egg-plant, pepper, and tomato. It causes 3-100 % damages to numerous nutritive organic products. Experiment was carried out to evaluate the performance of highly effective Slow-Released Formulations (SRF) of Methyl euginol with Lenoline wax, Candellila wax, Bees wax, Carnauba wax and Paraffin wax in orchard of University of Agriculture Faisalabad, Pakistan against fruit flies. The waxes were mixed with methyl euginol in 1:9 ratio. The results revealed that SRF of Candellila, Paraffin, Bees and Carnauba wax attracted 13.77, 11, 8.15 and 7.23 flies/day/trap which was 2.6, 2, 1.5 and 1.4 times higher than standard respectively and exhibited 41.42%, 32.05%,20.98% and 12.87% attractive index respectively, proved moderately attractive slow-released formulation to *B. zonata* and wascatagorized as Class-II slow-released formulation (AI = 11 - 50%). However, SRF of Lenoline wax trapped 1.81 flies/day/trap which was 3 times less than standad and exhibited -61.86% attractive index proved little or non attractive slow-released formulation and was categorized as Class-I slow-released formulation for *B. zonata* (AI < 11%).

Biodegradable waxes, Slow-released formulation, Bactrocera zonata, Methyl euginol.

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