**Supplementary Table 4** Oviposition preference (Mean±SE, n=72) of four insect pest species (*S. obliqua, A. albistriga, S. litura*, and *S. lutium*) to plant surface wax chemicals (n-alkanes and FFAs in leaf equivalent amount [µg leaf-1]) of four selected host (groundnut, soybean, mikania, andparthenium) plants under specified bioassay conditions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Oviposition (%)** | ***S. obliqua*** | ***A. albistriga*** | ***S. litura*** | ***S. lutium*** | **F3,8** | ***P*** |
| **Groundnut** |
| C1 | 59.1±0.9a | 55.8±0.9b | 54.7±0.9b | 54.8±0.3b | 6.064 | 0.019 |
| C2  | 53.2±0.7a | 56.2±1.5b | 54.8±0.5ab | 53.7±1.4a | 1.410 | 0.309 |
| C3 | 63.6±2.4a | 71.8±1.9b | 71.2±1.7b | 63.1±1.3a | 6.422 | 0.016 |
| **Soybean** |
| C1 | 57.6±1.3a | 57.2±0.6a | 55.6±1.8ab | 54.7±0.9b | 1.244 | 0.356 |
| C2  | 54.1±0.3a | 54.3±1.5a | 52.1±0.7a | 53.2±1.1a | 1.039 | 0.426 |
| C3 | 65.1±2.6a | 73.1±1.8b | 69.9±1.8c | 62.8±1.4d | 5.636 | 0.023 |
| **Mikania** |
| C1 | 56.3±0.9a | 54.9±0.6ab | 53.4±0.4b | 54.7±1.3ab | 1.879 | 0.212 |
| C2  | 52.9±0.9a | 53.6±0.3a | 52.4±0.6a | 51.4±0.3a | 2.838 | 0.106 |
| C3 | 64.1±2.6a | 70.4±2.0b | 75.3±1.6c | 60.3±1.6d | 11.014 | 0.003 |
| **Parthenium** |
| C1 | 56.1±1.5a | 56.5±1.0a | 54.3±0.5a | 55.8±0.4a | 1.051 | 0.422 |
| C2  | 53.9±0.8a | 52.1±0.4a | 52.7±0.6a | 51.4±0.3a | 3.489 | 0.070 |
| C3 | 62.9±2.9a | 68.8±2.2b | 71.8±1.9c | 65.7±1.7d | 2.972 | 0.097 |

**N**ote: Within rows means followed by same letters are not significantly different (P≥0.05) by Tukey’s HSD test. Where, C1=Intact leaf vs. de-waxed leaf; C2= Combined synthetic mixture vs. total natural wax treated filter paper; C3= Combined synthetic mixture vs. total natural wax treated intact leaf.