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| --- | --- | --- | --- |
| Location | Main results | Periods compared | Source |
| Burzaco, Argentina | Sarcophagid Diptera abundance did not show significant changes through the year in suburban habitats compared with urban and rural habitats | months | Mulieri et al. 2011 |
| Phoenix, USA | Arthropod abundance did not show a significant response to temperature in industrial and agriculture areas | months | McIntyre et al. 2001 |
| Phoenix, USA | Aphid abundance had a lower seasonal change in irrigated residential areas than in natural and non-irrigated areas  | seasons | Andrade et al. 2017 |
| Sorø, Denmark | The activity of carabid species started earlier in urban habitats than in rural forests  | weeks | Lövei et al. 2018 |
| Switzerland | The annual variation of hoverfly abundance was lower in urban areas than in rural areas  | months | Luder et al. 2018 |
| Bulgary | Caterpillar abundance had a lower seasonal change in urban areas compared to forest areas | months | Seress et al. 2018 |
| Kolkata, India  | *Aedes aegypti* larval frequency was more stable in urban habitats than in rural habitats, whereas *A. albopictus* larval frequency was more stable in rural habitats | months | Banerjee et al. 2015 |
| Penang island, Malaysia | There was a lower seasonal variation of *A. aegypti* and *A. albopictus* positive containers occupied by larvae in urban areas than in rural areas | months | Saifur et al. 2012 |
| Latin America | Outdoor containers filled with water during the dry season were important for the production of pupae of *A. aegypti* | wet-dry seasons | Quintero et al. 2014 |
| Buenos Aires, Argentina | Broken water pipes allowed permanent flooded pools where mosquitoes presence was more stable along the year than in natural filled by rain pools | months | Quiroga et al. 2013 |
| Phoenix, USA | Monthly variation of arthropod biomass in Phoenix was similar between urban and desert habitats | months | Davies et al. 2016 |
| Buenos Aires, Argentina | Adult oviposition of *A. aegypti* was longer along the year in areas of houses than in areas of high buildings in Buenos Aires city | months | Carbajo et al. 2004 |
| North-western Italy  | Proximity to urban areas did not affect the phenology of *Culex pipiens* | weeks | Rosá et al. 2014 |
| Chiang Mai, Thailand | Seasonal variation in egg numbers of *A. aegyipti* and *A. albopictus* was similar between urban and rural areas  | months | Mogi et al. 1988 |
| Eastern USA | The annual flight activity of the Dogwood borer (*Synanthedon scitula*) was similar between urban areas and apple orchards | weeks | Bergh et al. 2009 |
| Sisaket, Thailand | Seasonal variation of positive ovitraps and containers infested with larvae of *A. aegypti* was higher in urban areas than in industrial areas | months | Baruah and Dutta 2013 |
| Dibrugarh, India | Seasonal variation of positive ovitraps and containers infested with larvae of *A. aegypti* and *A. albopictus* was higher in urban areas than in rural areas | winter, summer, and rainy | Wongkoon et al. 2013 |
| Canton of Aargau, Switzerland | Butterfly appearance in urban areas was delayed in comparison to non-urban areas | months | Altermatt, 2012 |
| Ohio, USA | Urbanization and climate change delayed the butterfly appearance  | months | Diamond et al., 2014 |
| Natal, Brazil | The seasonal variation of butterfly abundance in urban parks was related to annual fluctuations in precipitation and humidity, but in a nearby natural reserve it was unrelated with that factors  | months | Oliveira et al. 2018 |

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