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2019 Summer Native Bee Diversity and Collection Comparisons at the Huston-Brumbaugh Nature Center (Stark Co., OH)

Native bees play critical roles in the functioning of ecosystems, such as pollination. However, these species have been in decline in recent years with some species completely missing. The goal of this study was to understand the diversity of bees at the Huston-Brumbaugh Nature Center (HBNC) by collecting specimens using 3 trapping techniques, and then observing the different Genera present. Collecting took place from June to August of 2019, and referenced data from the Fall of 2018 to understand the differences of bees through the year. A total of 171 bees was collected, belonging to 16 Genera and 5 Families. Based on these results we conclude that the native bee community at the HBNC is not very diverse in species richness, that bee abundance is low, and that there are major differences between the bees present during the summer months vs. the species present during the fall months.