

Summaries of Project Request

Summary:

The black striped scorpion, *Centruroides vittatus* (Scorpiones, Buthidae), has a wide distribution and is found in various habitats. The microhabitat use (e.g., use of vegetation and the ground) and diet of *C. vittatus* varies between habitats in south Texas (McReynolds in press), west Texas (Brown and O'Connell 2000) and Arkansas (Yamashita 2004). Are the differences in microhabitat use and diet between these habitats due to relative abundance of microhabitats and prey or has *C. vittatus* changed behaviors because of microhabitat differences and prey available? The preliminary study will compare microhabitat and prey preferences in five different habitats in Texas. Future research (if funded) will study behavioral, morphological, and genetic differences among scorpions from the different habitats and expand in to other habitats over the wide distribution of *C. vittatus* (see Shelley and Sissom 1995).