

Zimbabwe

Climate Prediction: *H. contortus* survives in warm and moist conditions. Transmission periods are usually considered to be between 15-37 °C (Van Wyke and Reynecke 2011). The R0 model predicts when climate is going to be suitable for parasite transmission.



Zimbabwe Climate: Consists of a variable climate with mostly humid subtropical regions in the centre (highlands) and north. The south and south east consists of a warm arid climate with a section of warm desert present in the south. As reflected in the Haemonchus transmission graph in figure 1 the rainy season generally lasts from October to March. As a result of the variable climate figure 1 should be viewed accordingly. Future work will aim to show regional risk.

Figure 1: Decadal Averages of Haemonchus Contortus (barber's pole worm) infection risk

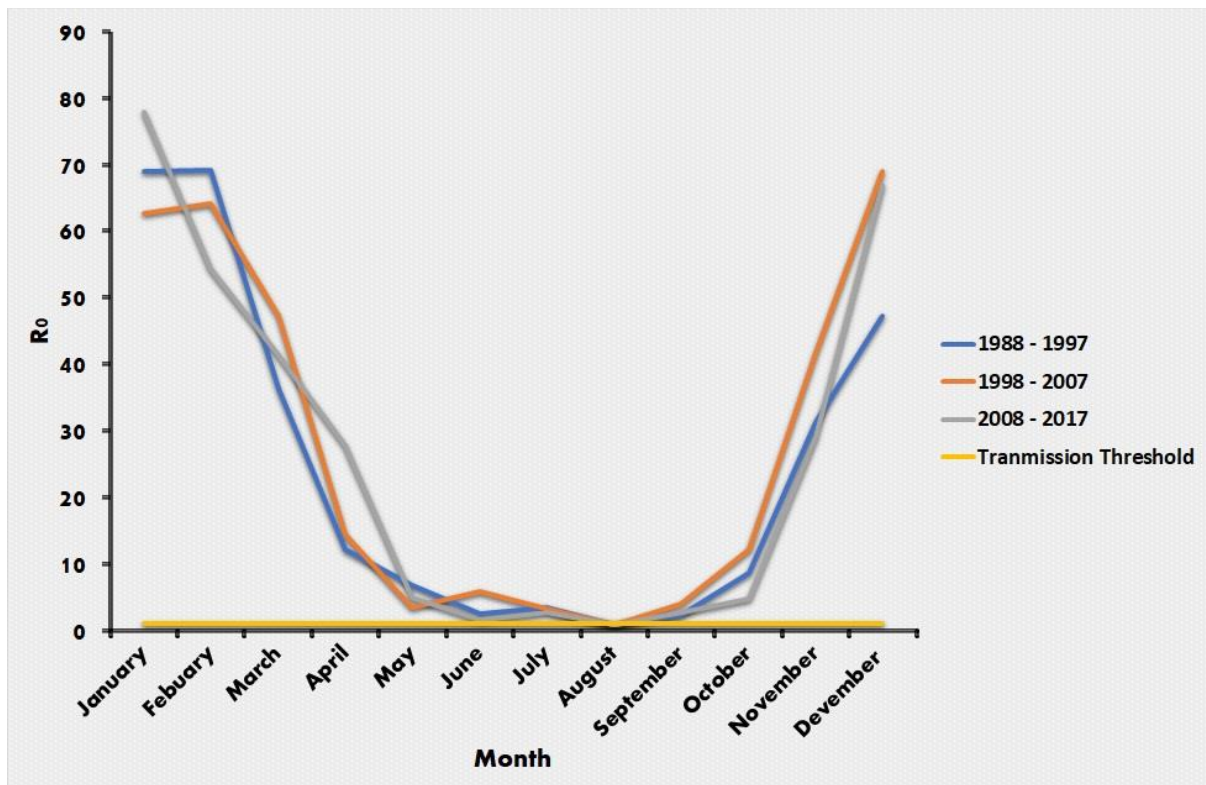
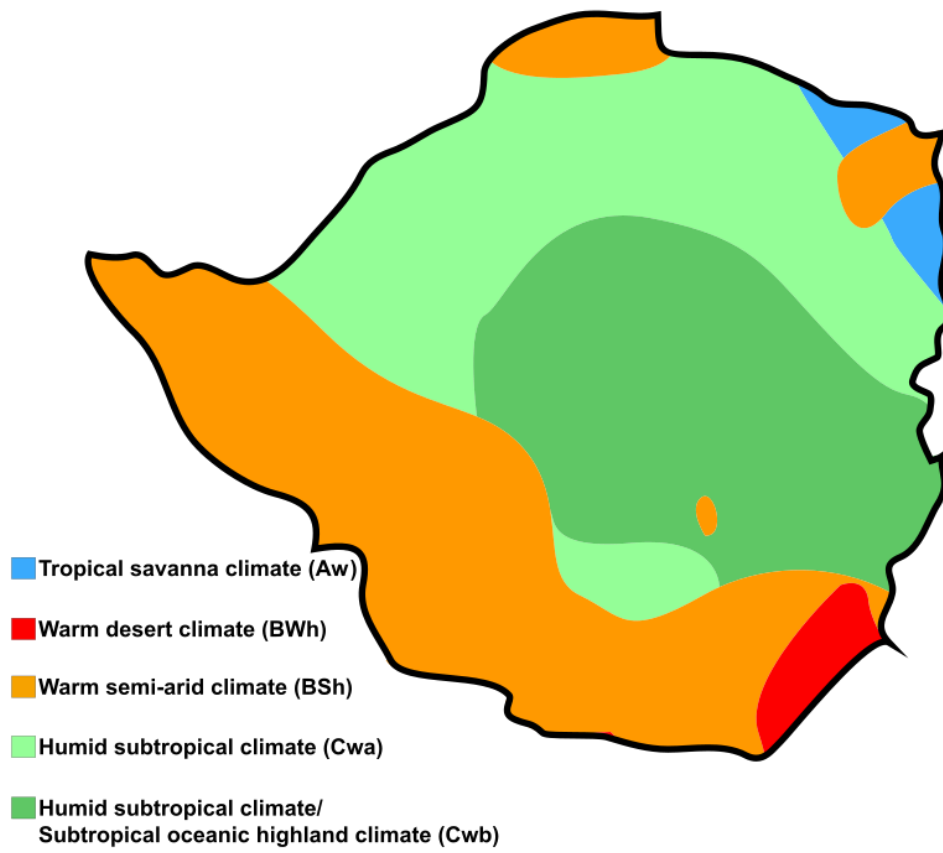


Figure 2: Current Climate Zones in Zimbabwe



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