

# Zambia

**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.



**Zambia Climate:** As reflected in the R0 graph the wet season is between November to April with the dry season occurring for the rest of the year. Most of Zambia's landmass is considered temperate however there are large portions of tropical climate zones throughout the country. There is also an arid steppe zone along the southern border of the country.

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

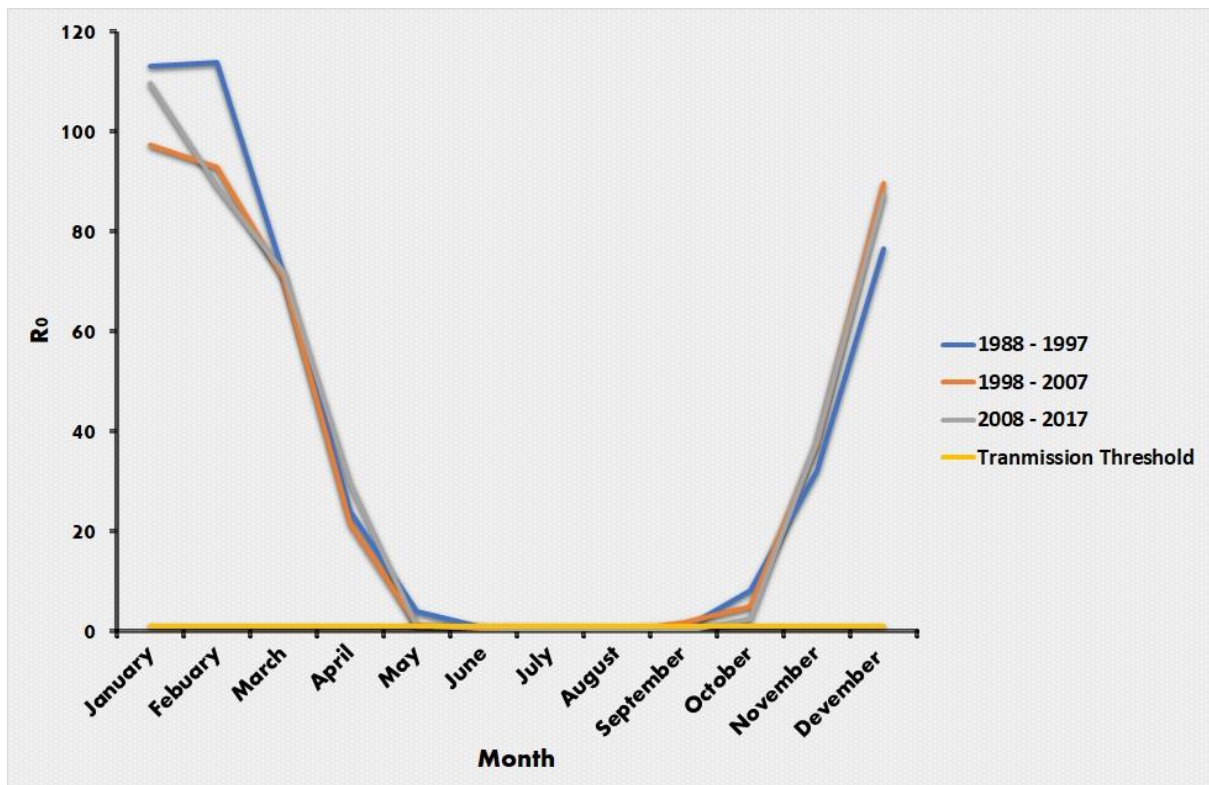
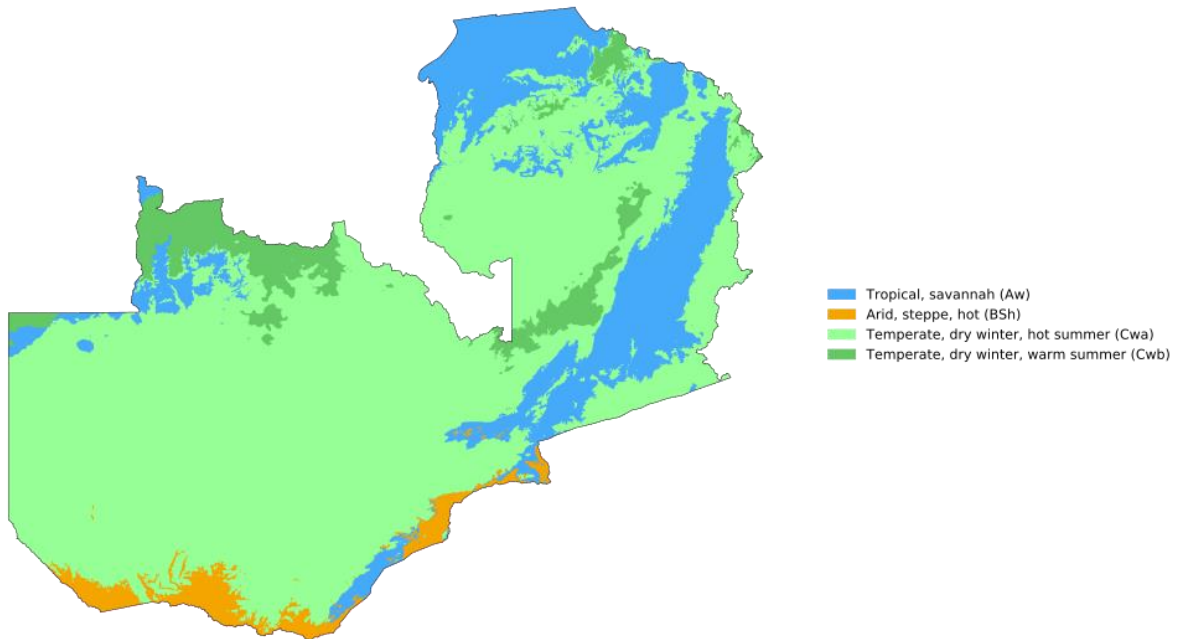


Figure 2: Current Climate Zones in Zambia



Source: Beck et al.: Present and future Köppen-Geiger climate classification maps at 1-km resolution, Scientific Data 5:180214, doi:10.1038/sdata.2018.214 (2018)

Beck, H.E., Zimmermann, N. E., McVicar, T. R., Vergopolan, N., Berg, A., & Wood, E. F. - "Present and future Köppen-Geiger climate classification maps at 1-km resolution". Nature Scientific Data. DOI:10.1038/sdata.2018.214.

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