

## Botswana

**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.



**Botswana Climate:** Experiences a wet season between November to March and a dry season from April to October/November. This is reflected on the *H. contortus* (barbers pole worm) risk graph as seen below. Climate change is causing increasingly unpredictable weather. In 2018/2019 the rains failed during the wet season. The climate varies from north to south and the spatial risk changes within the country can be seen on figure 2.

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

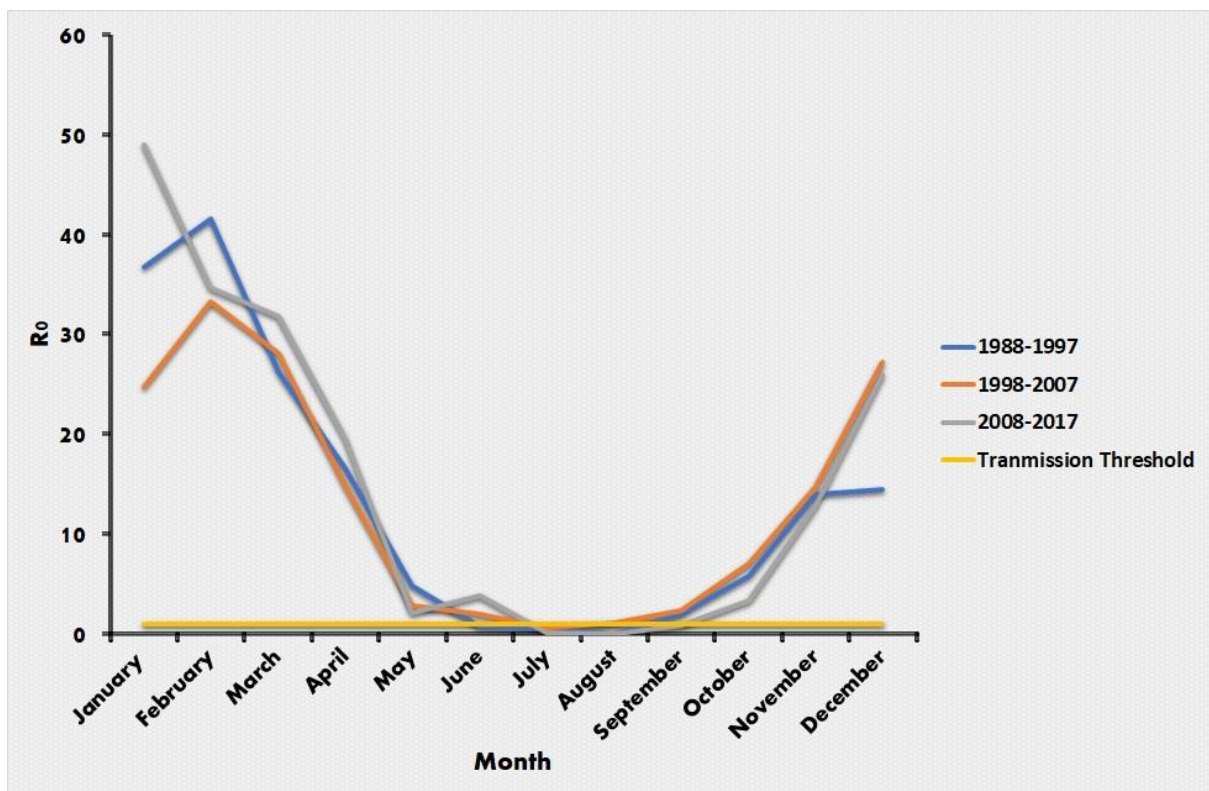
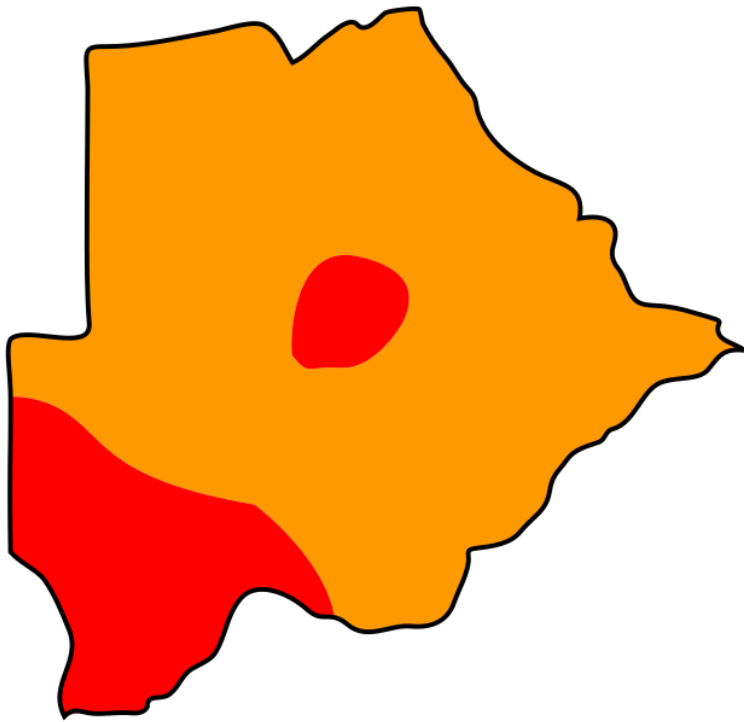


Figure 2: Current Climate Zones in Botswana



■ Warm desert climate (BWh)

■ Warm semi-arid climate (BSh)

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