

Abstract

A total of 25 cattle and 62 African buffaloes (*Syncerus caffer*) in the Tsavo Conservation Area in Kenya were sampled for ticks. The ticks that were collected were identified and counted under a stereoscopic microscope. Eight species, namely *Amblyomma gemma*, *Amblyomma lepidum*, *Hyalomma albiparmatum*, *Hyalomma rufipes*, *Hyalomma truncatum*, *Rhipicephalus evertsi evertsi*, *Rhipicephalus pravus* and *Rhipicephalus pulchellus*, were shared by cattle and buffaloes. Three species, namely *Rhipicephalus (Boophilus) sp.*, *Rhipicephalus kochi*, and *Rhipicephalus muehlensi*, were collected only from cattle and three species, *Hyalomma impeltatum*, *Rhipicephalus humeralis* and *Rhipicephalus praetextatus*, were present only on buffaloes. New locality records for *H. impeltatum* and *H. truncatum* were established and the first locality records for *Rhipicephalus praetextatus sensu stricto* in Kenya reported.