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## Prescription of best periods for deworming cattle against Fasciolosis in Nigeria (A tropical Sub-Saharan country with dry and wet seasons)

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A number of studies have confirmed the presence of Fasciolosis and the extent of its harm both to cattle and humans in Nigeria. However, less attention has been given as to the specific periods during which cattle should be dewormed against the parasites. As a result, cattle are usually dewormed randomly at any time with just any flukicide and in many cases only when symptoms appear. This contributes to the lingering disease despite repetitive treatment. This study recommends specific periods in the rainy season and dry season for effective deworming of cattle based on records of research findings in the past and of recent. A research was conducted towards the close of the rainy season (September ending and October ending, 2010) in 2 Local Government Areas (Girei and Yola South) of Adamawa State in north eastern Nigeria. Blood samples were drawn randomly from the jugular vein of 225 field cattle. The sera obtained were screened for *Fasciola gigantica* antibodies using an indirect ELISA assay. A prevalence rate of 56.7% was obtained in September as against 82.2% in October. Analysis with a t-test paired sample statistics indicated a significant difference ( $P < 0.05$ ) in the incidence of the disease between September and October hence the best period recommended for deworming in the rainy season is early September to early October. It can be deduced from records of seasonal prevalence of Fasciolosis that the best period to deworm cattle in the dry season is January/February.

### Biography

Sila Daniel Damwesh has completed his Masters in Animal Production and Range Management with a distinction in research in 2012 from Modibbo Adama University of Technology, Yola. In his first degree, he was awarded Chief Dorcas Alo's prize for the best final year project in Animal Science in 2005/2006. He has been an Instructor in Biology at Nakam Memorial School in Panyam. He has published 3 papers in reputed journals; a Member of Animal Science Association of Nigeria (ASAN) and Supervisor of the International Young Inventors Competition (IEYI, IIDC) in Indonesia, Thailand and Taiwan in 2007/2008.

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