



One hour of daily contact with sexually active males induce fertile ovulation in anestrus goats

Bedos M, Flores JA, Duarte G, Vielma J, Fitz-Rodríguez G, Hernández H, Fernández IG, Keller M, Chemineau P, Delgadillo JA

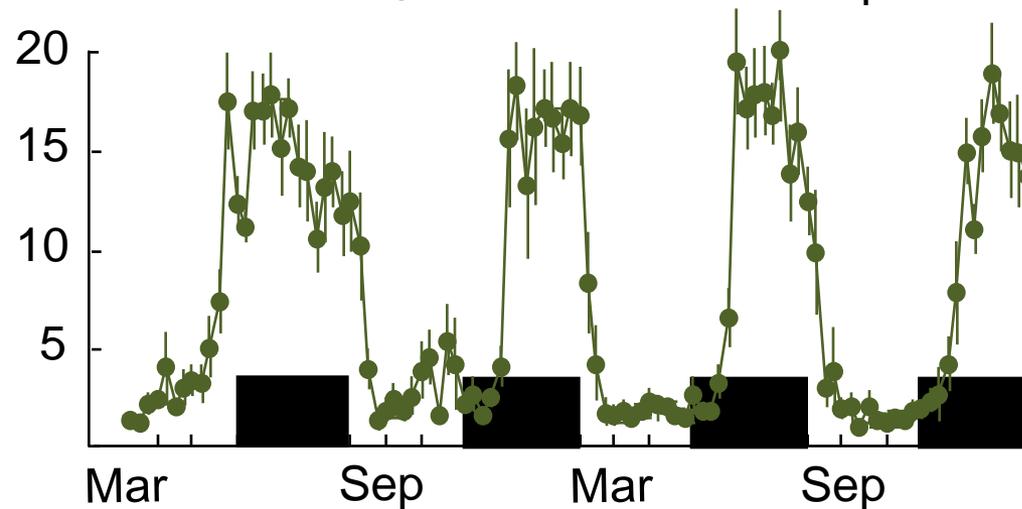
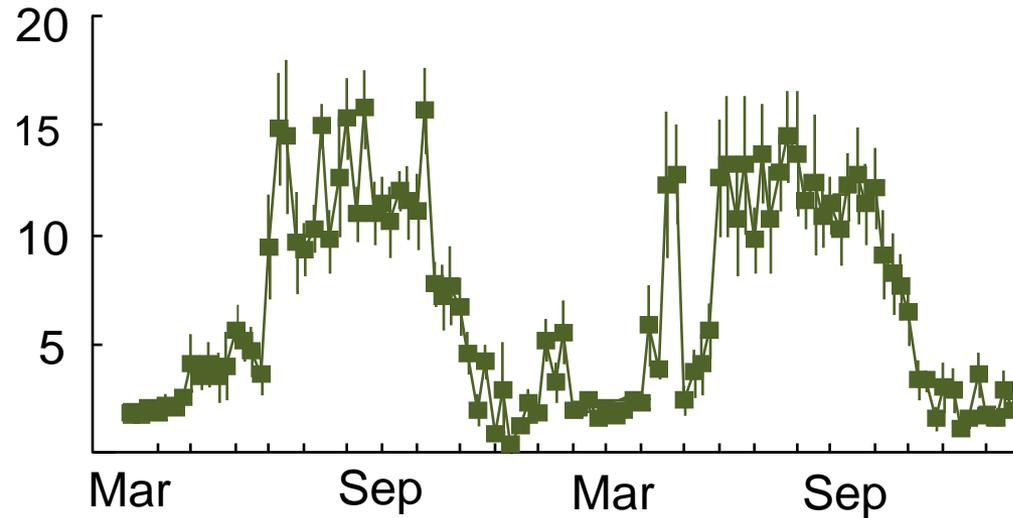
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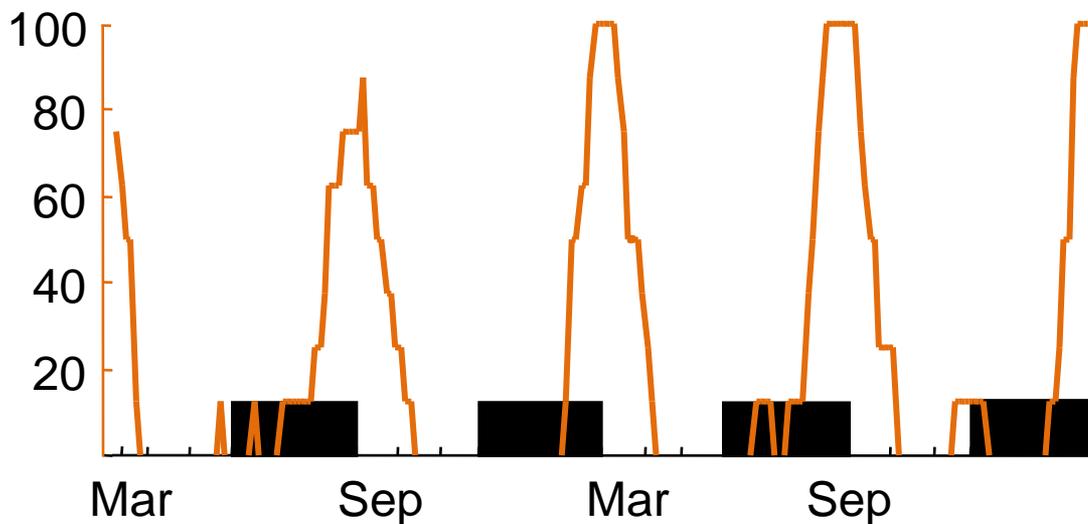
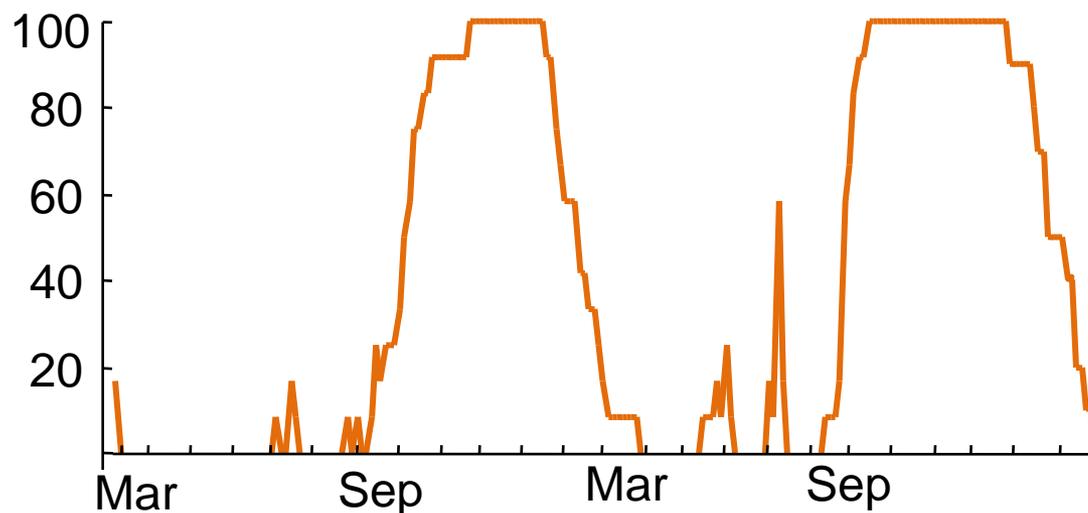
Reproductive seasonality Mexican bucks (26°N)

Testosterone (ng/mL)



Reproductive seasonality Mexican goats (26°N)

Ovulating females (%)



(Duarte et al., 2010)

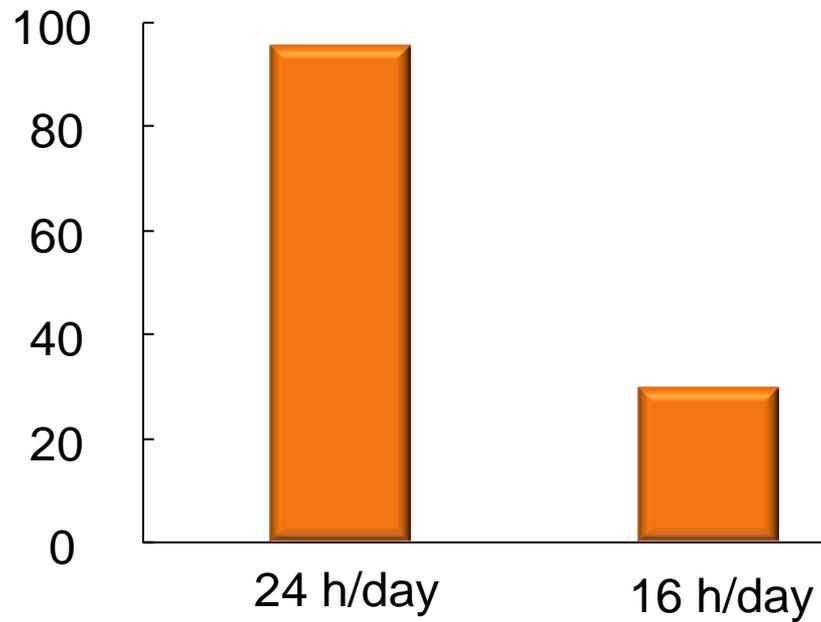




Male effect

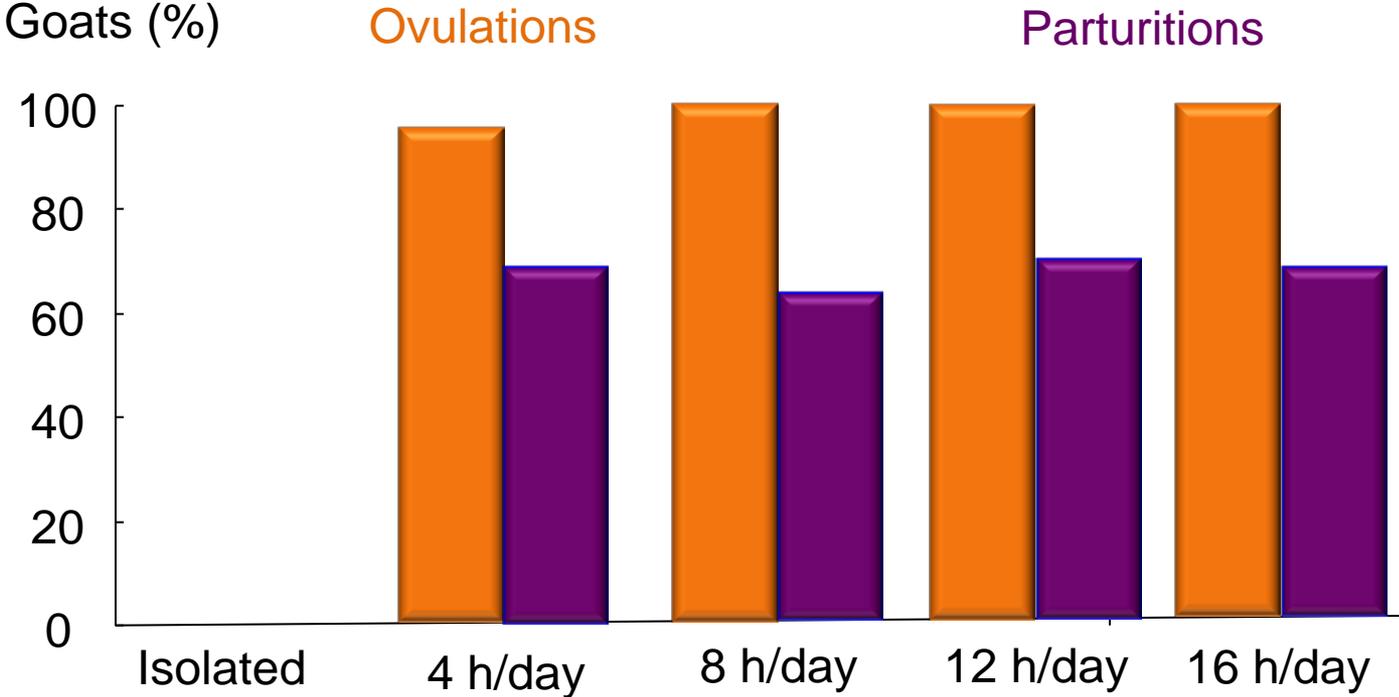
Duration of daily contact with bucks

Ovulating does (%)



(Walkden-Brown et al., 1993)

Reduction of daily contact between sexes



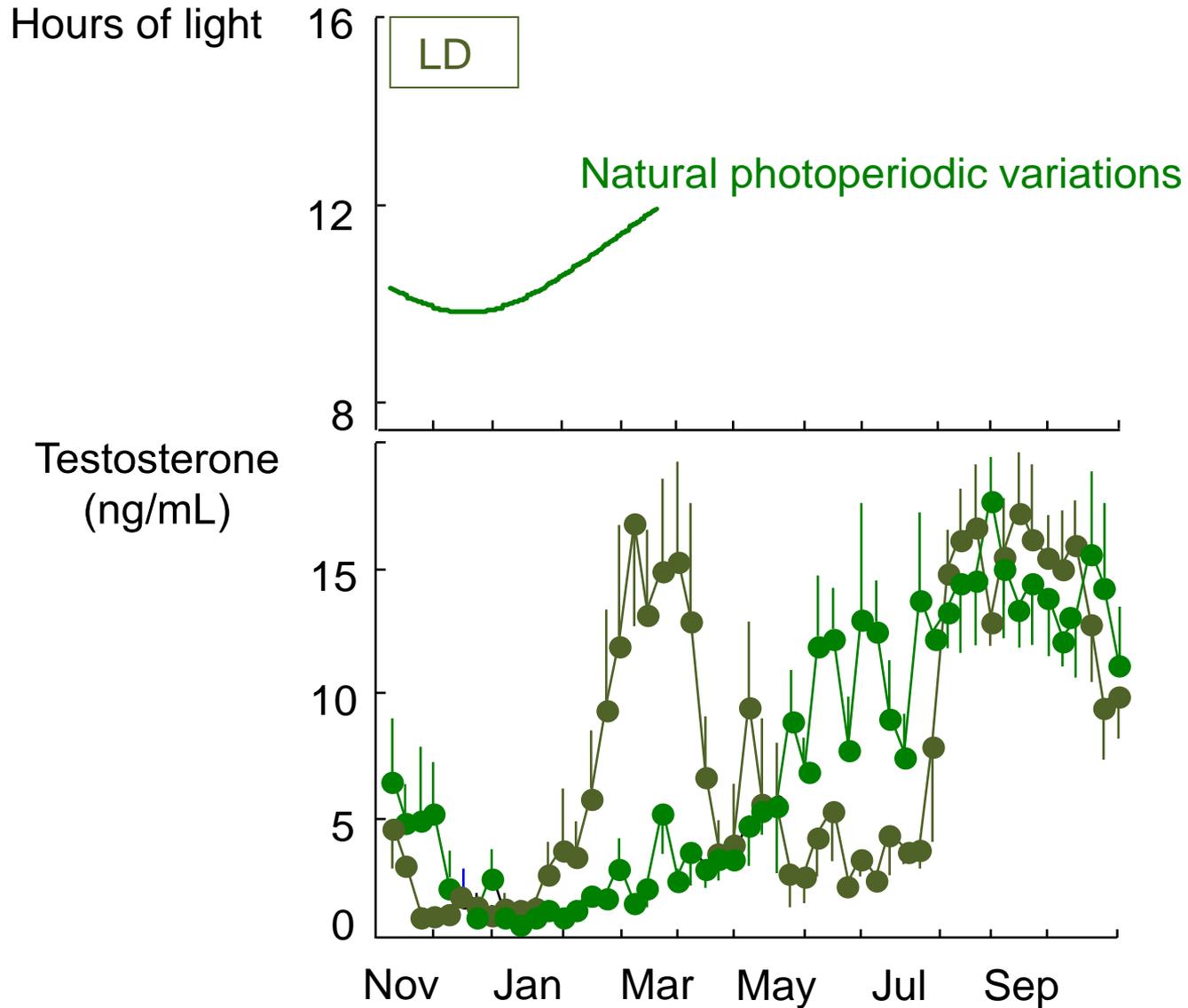
(Bedos et al., 2010)

Objective

Determine whether photo-stimulated males are able to induce the sexual activity of anestrus goats when duration of contact is reduced to less than 4 daily hours

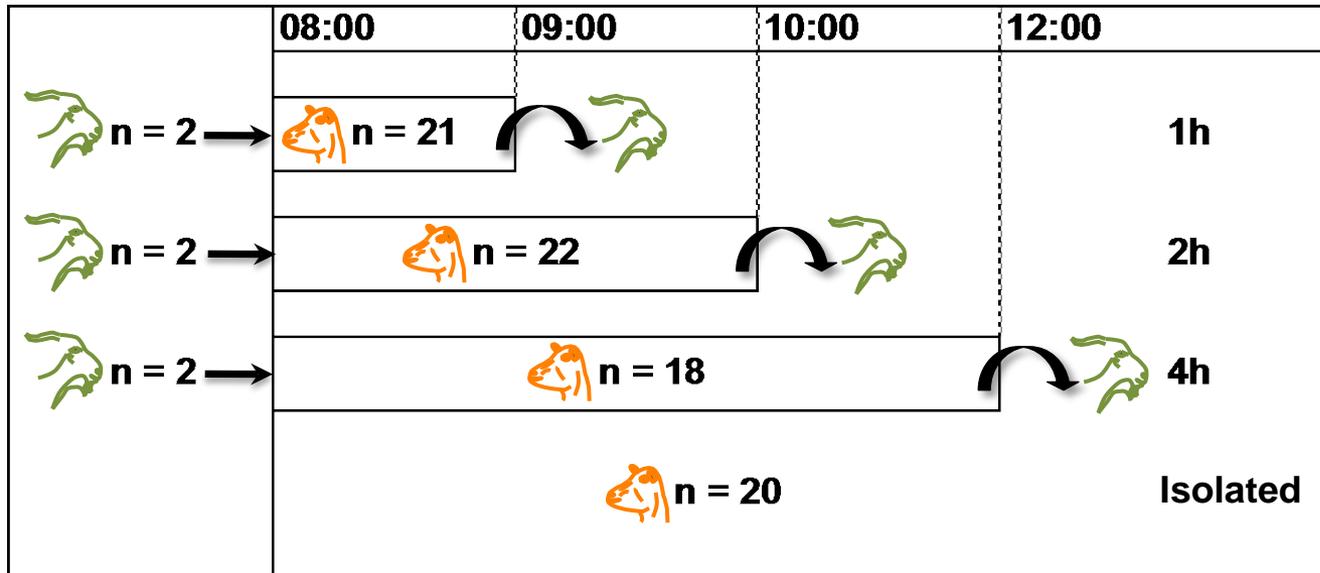


Photoperiodic treatment

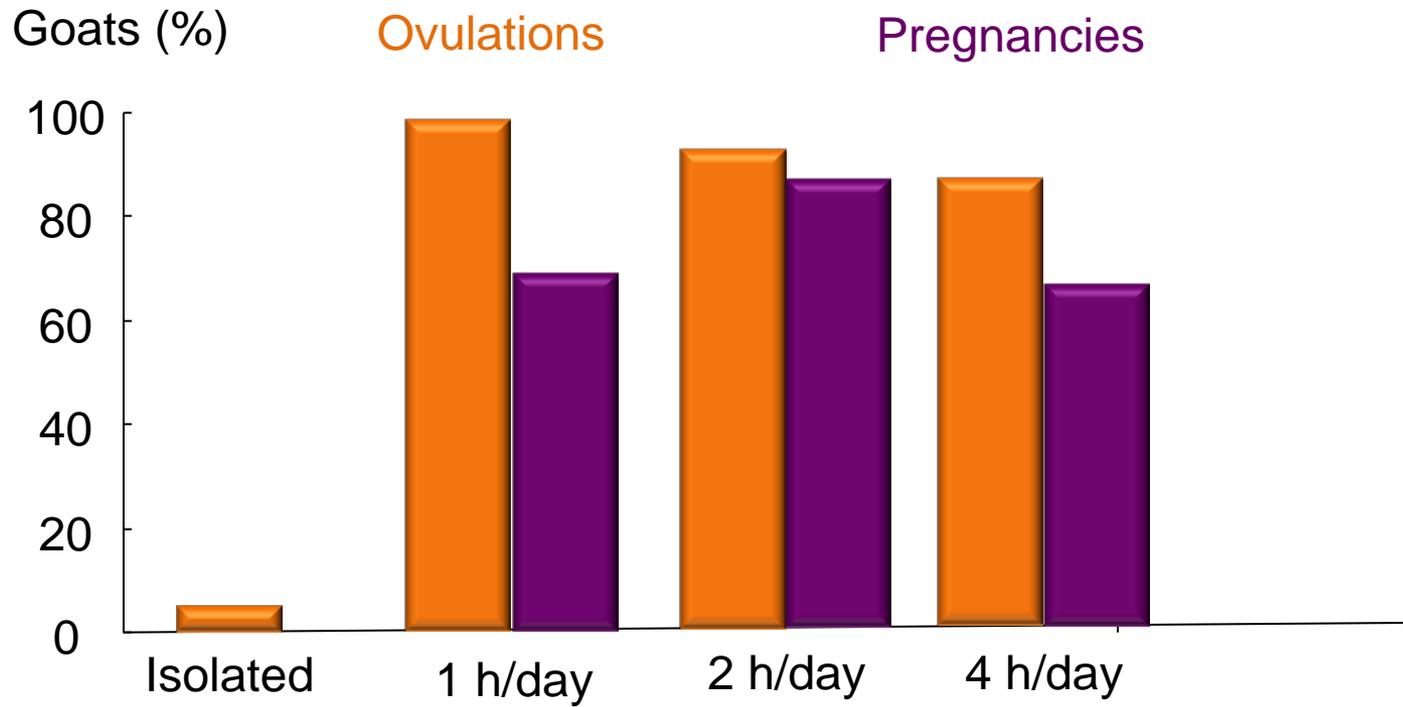


(Delgadillo et al., 2002)

Females: the male effect



Results



Conclusion

One daily hour of contact with sexually active males is sufficient to stimulate reproductive activity in seasonal anovulatory goats

“Photoperiod” and the “male effect”

Sustainable breeding techniques to control goats' reproduction in the subtropics

