## Milk production quantity model evaluation in saddle horse Anglo-Arabian type lactating mares



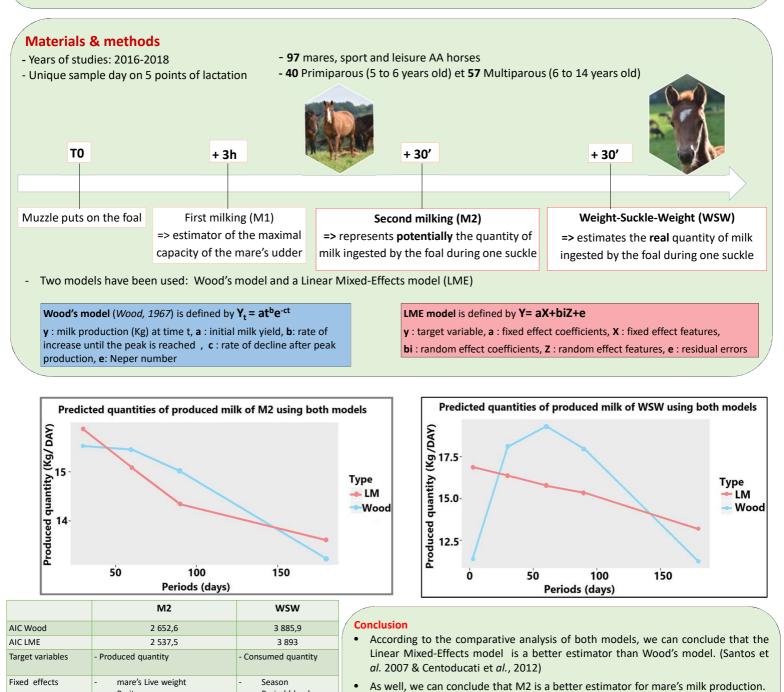
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## Introduction

Estimating mare's milk production is a stake for the equine sector. This part of the equine industry has been developping itself around mare's milk (human food and cosmetics) and foals' growth which is directly linked to the disponibility of mare's milk. During the first two months of his life, the foal's diet is mainly consisted of milk. Thus, identifying the variation factors of the milk production will allow a better understanding about mare's needs during the lactation and the foal's growth.



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WSW may be considered as a estimation of foal's milk ration. (Gibbs et al. 1982)

Literature cited

Random effects

Parity

Period (days)

Milking 1 Individuals

Centoducati P., Maggiolino A., De Palo P., & Tateo A. (2012). Application of Wood's model to lactation curve of Italian Heavy Draft horse mares. Retrieved from Journal of Dairy Science 95, 5770-5775

Period (days)

Individuals

- Gibbs P.G., Potter G.D., Blake R.W., & McMullan W.C. (1982). Milk production of Quarter horse mares during 150 days of lactation. Retrieved from Journal of Animal Science 54, 496-499
- Santos A.S., & Silvestre A.M. (2006). A study of Lusitano mare lactation curve with Wood's model. Retrieved from Journal of Dairy Science 91, 760-766
- Wood, P. D. P. (1967). Algebraic model of the lactation curve in cattle. Retrieved from Nature 216, 164–165