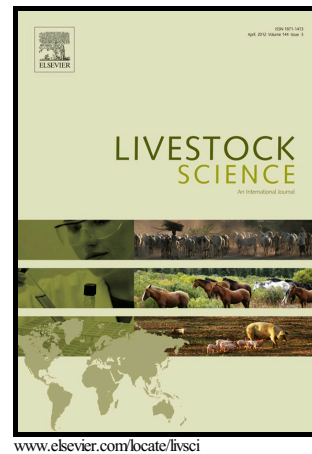


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Meta-analysis of the relationships between reproduction, milk yield and body condition score in dairy cows

Nicolas Bedere, Erwan Cutullic, Luc Delaby, Florence Garcia-Launay, Catherine Disenhaus



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**Meta-analysis of the relationships between reproduction, milk yield and body condition score in dairy cows**

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***Abstract***

The present study aimed to investigate the relationships between each step of the reproductive process (cyclicity, estrus, and fertility) and both milk production and body reserves management. The database included 102 studies and 300 treatments collected on electronic databases. Coding for each type of experimental factor enabled within and between experiment variation to be distinguished, and to select subsets of experiments with common objectives in order to avoid inappropriate aggregation of results across studies with very different objectives. Finally, the models were based on limited numbers of experiments (from 14 to 30 treatments originating from 7 to 15 distinct experiments) because (i) only data coded

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