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PRELIMINARY STUDY ON THE REPRODUCTION PARAMETERS OF CATTLE IN SOME DAIRY FARMS IN THE WEST OF ALGERIA

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ABSTRACT

This study aimed to assess the reproduction parameters of modern dairy cattle in the west of Algeria. Our experimentation included 2270 dairy cows selected from three different farms; two of them situated in the Sidi Bel Abbes region (Taleb and Sidi Lahcen) and the third farm situated in the region of Temouchent (Oued Sebbah). These cows were followed from January 2017 to December 2018 to determine their reproduction performance. Our results recorded that the mean cows' age during the first calving was 30 ± 2.2 months with an extreme of 22 to 43 months. The interval registered between the first calving and mating was 85.0 ± 6.3 days with extremes of 40 to 110 days. In our results, an average of 94.6 ± 7.5 days with extremes of 38 to 152 days was recorded between calving and the fertilizing protrusion. The cow's interval between calving was 423 ± 63.2 days with extremes of 301 to 601 days. Modern infrastructure, food in terms of quality and quantity as well as employing a qualified workforce in farms can significantly improve the performance of our animals.

Key words: Dairy Cattle, Reproduction Performance, Calving interval, Calving-Fertilizing interval.