

# EFFECT OF REPRODUCTIVE CONDITION AND SEASON ON PRODUCTIVE PERFORMANCE OF FEMALE RABBITS



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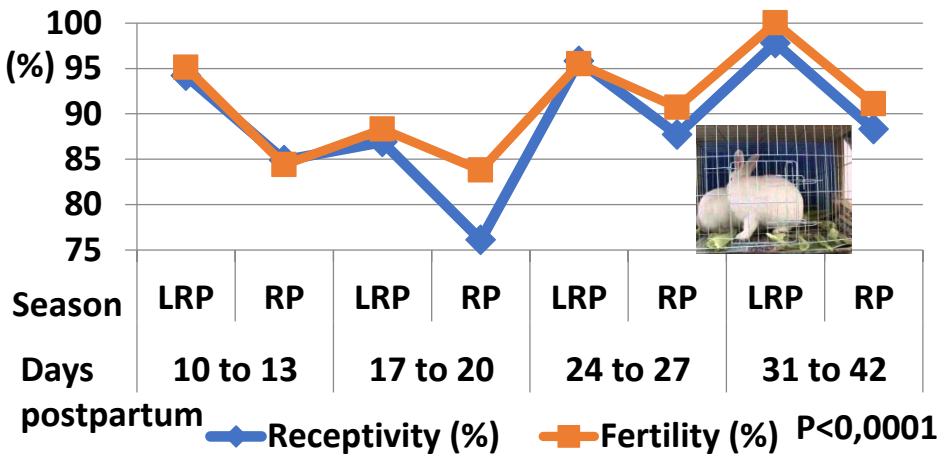
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**(1) Message:** Adequate time of mating in tropical climate conditions

**(2) Methods:** A Kruskal-Wallis test was used to analyze the effects of times of mating, season (LRP-low rainy and RP-rainy periods) and their interaction on non-parametric variables (receptivity and fertility rates). While, an analysis of variance was used to study the effects on litter size.

## (3) Results

**Graphic 1 Effect of time of mating and season on receptivity and fertility (%)**



**Table 1 Effect of time of mating and season on litter size at birth and weaning**

Indicators	Litter size at birth		Litter size at weaning	
	LRP	RP	LRP	RP
Days postpartum/Season				
10 to 13	5.6 <sup>ab</sup>	5.9 <sup>b</sup>	4.7 <sup>b</sup>	4,8 <sup>b</sup>
17 to 20	5.9 <sup>b</sup>	5.1 <sup>a</sup>	4.9 <sup>bc</sup>	4,1 <sup>a</sup>
24 to 27	6.1 <sup>b</sup>	5.1 <sup>a</sup>	5.5 <sup>c</sup>	4,7 <sup>ab</sup>
31 to 42	6.08 <sup>b</sup>	5.01 <sup>a</sup>	5.5 <sup>c</sup>	4,6 <sup>ab</sup>
P-value	P < 0.0001			