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## Synchronisation of Oestrus with Prostaglandin F2 Alpha Analogue in Non-Descript Cow

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### Abstract

Oestrus synchronization was undertaken in multiparous and cyclic ten Non descript cows (Group-I) and twelve crossbred cows (Group- II). All the animals were treated with two injections of Lutalyse (Dinoprost tromethamine) 25 mg each intramuscularly at 11 days apart. Out of 10, eight (80.00 percent) cows from Group-I and 12 (100.00 percent) cows from Group-II were responded to the treatment. The interval for onset of oestrus was slightly different in non descript cows than crossbred cows ( $54.50 \pm 2.60$  Vs.  $55-58 \pm 3.28$  hours). There was non-significant difference observed for synchronized oestrus in Group-I and Group-II ( $21.25 \pm 0.881$  Vs  $20.83 \pm 0.814$  hours). In Group I the intensity of oestrus was intense in 2(25.00 per cent) cows, intermediate in 4(50.00 per cent) cows and weak in 2(25.00 per cent) cows. In Group-II it was intense in 5(41.67 per cent) and intermediate in 7(58.33 per cent) cows.

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