

Summary

Hormone profiles in superovulated buffaloes following dominant follicle ablation and their correlation with superovulatory response and the embryos recovered were studied. In treated group, significant higher concentration of progesterone on day 13 and LH 30 h after prostaglandin administration was recorded. Based on the findings in the present study, progesterone was positively correlated to ovulation rate and embryo recovery, whereas, estrogen before the initiation of superovulatory treatment had negative effect on ovulation rate and embryo recovery. So, superovulation and embryo recovery can be improved in absence of dominant follicle before initiation of the superovulatory treatment in buffaloes.

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