EFFICACY OF OVSYNCH PROTOCOL FOR FERTILITY AUGMENTATION IN BUFFALOES UNDER FIELD CONDITION

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(Received 27/12/2011, Accepted 25/05/2012)

ABSTRACT
The present study was carried out to evaluate the efficacy of Ovsynch protocol of estrous synchronization for augmentation of fertility in buffaloes under field condition. The selected buffaloes received pre synchronization treatment (injection Hitek @ 1 ml per 50 kg body wt. s/c., injection Urimin 10 ml i/m, injection Intavita 5 ml i/m and chelated mineral mixture Agrimin forte @ 50gm orally daily) one week earlier and synchronized with Ovsynch protocol with injection Receptal (GnRH) 2.5 ml intramuscularly on day 0 and 9 while injection Cyclix (PGF₂α) 2 ml intramuscularly on day 7. All the twelve (100%) buffaloes exhibited estrous and timely inseminated 16-20 hrs after second GnRH injection. The first service conception rate was 41.66 per cent showing augmentation of postpartum fertility using Ovsynch synchronization protocol in buffaloes under filed conditions.

KEY WORDS : Conception rate, Estrous synchronization, Ovsynch,