

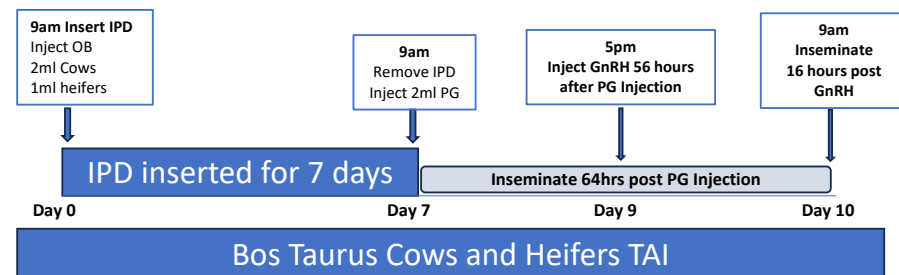
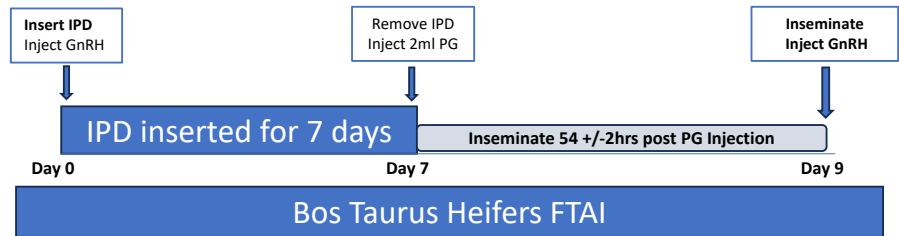
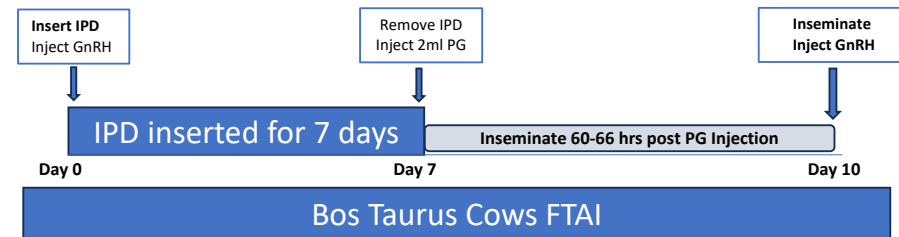
# MAXIMIZE YOUR HERD'S POTENTIAL WITH SYNCHRONISATION

## NHIA BEEF CATTLE PROTOCOLS

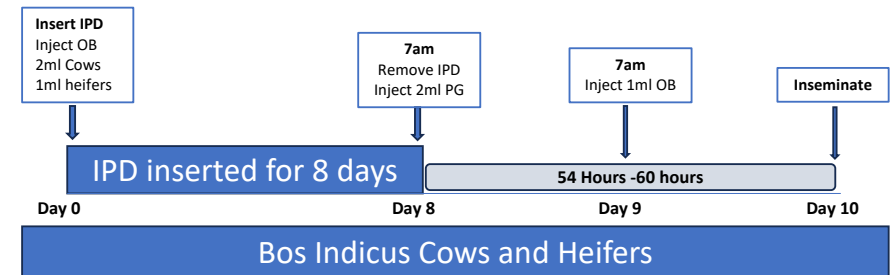
Proudly Endorsed by the NHIA Beef Working Group

- Endorsed protocol compliance and hormone handling and administration
- Significantly increased pregnancy rates early in the breeding season
- Enhance profitability with an earlier, tighter calving window and maximum potential at weaning
- Reduce incidence of post-partum anoestrus, particularly in 1st & 2nd calving females
- Select for enhanced female fertility, and extend female longevity
- Expand female breeding opportunities
- Expand value of replacement females and boost maiden heifer pregnancy rates with earlier pubertal age
- Resource efficiency with reduced bulls and facility space
- Condense breeding and calving season intervals for reduced labour and time savings

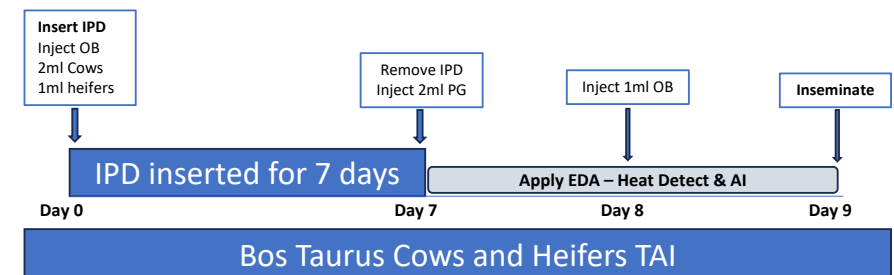
### Fixed-Time AI (FTAI)



### Bos Indicus Cows & Heifers



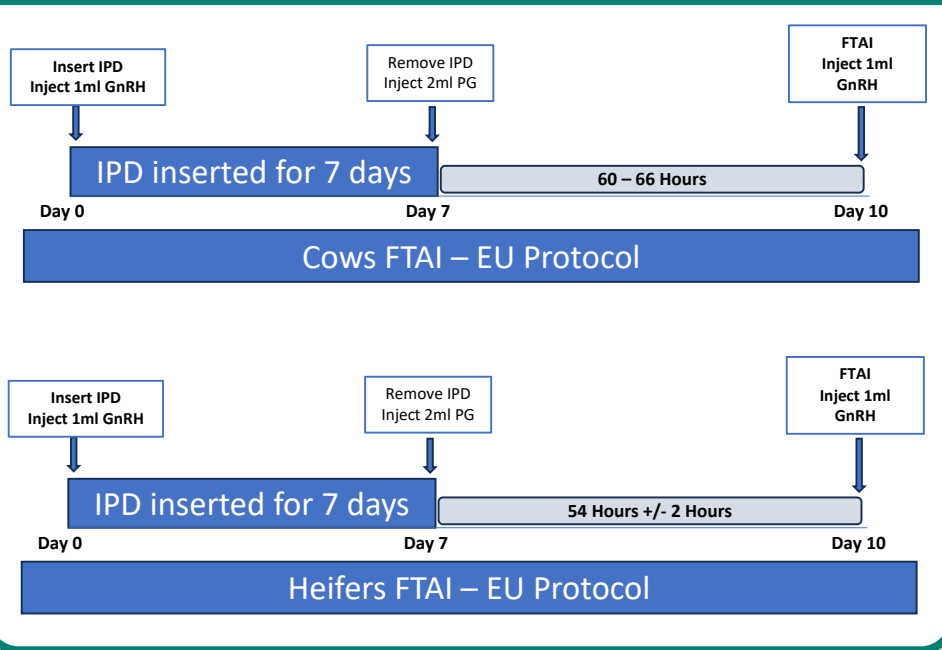
### Timed AI (TAI)



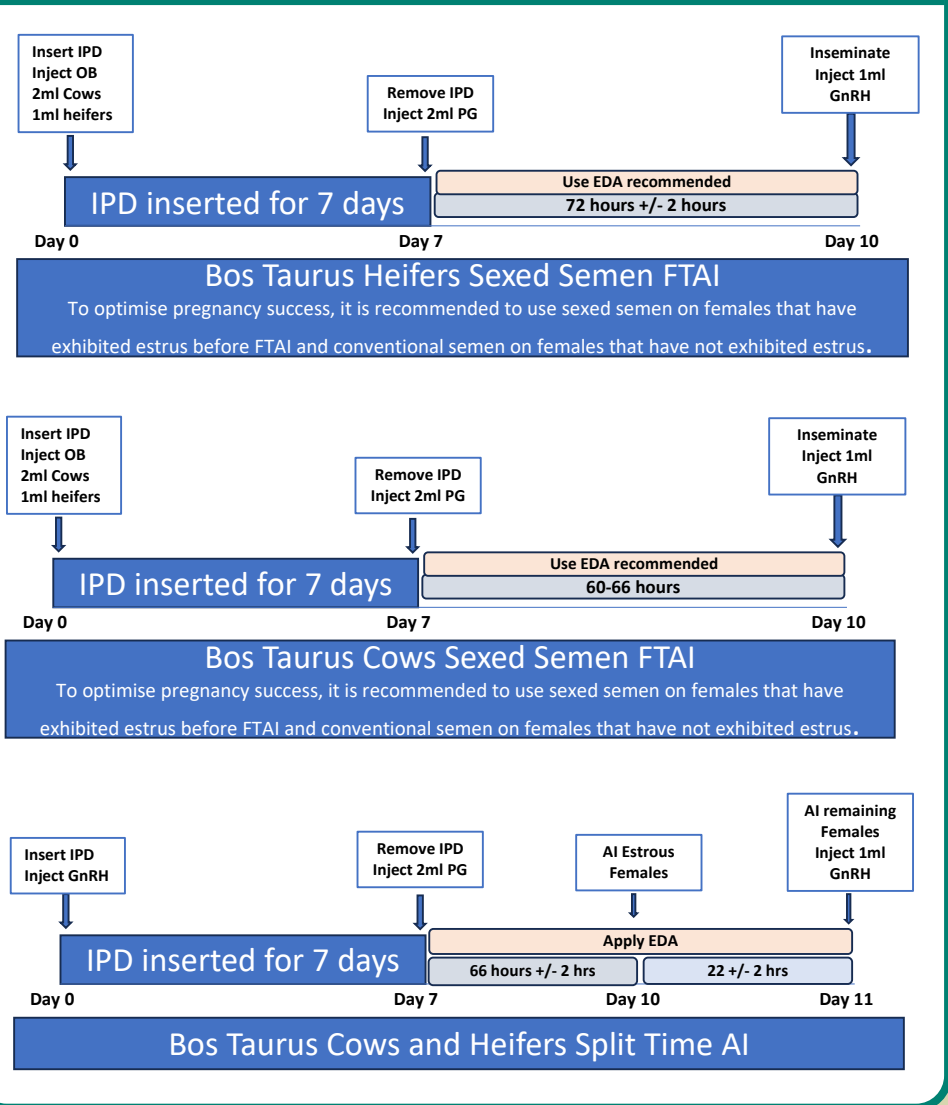
Reference:

IPD: Intra-vaginal Progesterone Device | OB: Oestradiol Benzoate,  
 PG: Prostaglandin | EDA: Estrus Detection Aid

## EU Fixed-Time AI (FTAI)



## Sexed Semen Protocols



## HOW TO HAVE A SUCCESSFUL SYNCHRONISED AI PROGRAM

- Keep accurate calving, breeding, and pregnancy records.
- Ensure a suitable number of days postpartum in females.
- Animal identification should be clear and easily readable.
- Ensure herd health and disease prevention with a well designed prebreeding vaccination protocol. Vaccinate females a minimum of 30 days before the breeding season begins.
- Decide which estrus synchronisation protocol best fits your breeding program, facilities, and personnel.
- Ensure all products are purchased and on-hand prior to initiation of the protocol.
- Prepare the calendar of actions to ensure protocol compliance.
- Meticulously follow the estrus synchronisation protocol!
- If detecting estrus, spend as much time observing the animals as possible.
- Use estrous detection aids to facilitate visual observation of estrus.
- Use a properly trained technician for AI.

**Disclaimer:**

These protocols are endorsed by the NHIA Beef Working Group and are intended solely as a reference. You must consult your regular veterinary practitioner before implementing any synchronised protocol ensuring the correct dispensing, use and application of all reproductive drugs mentioned in these protocols. These protocols are offered as a guide only in the promotion of the use of Artificial Insemination as a tool to improve the rate of genetic gain in the beef industry and profitability of beef producers.