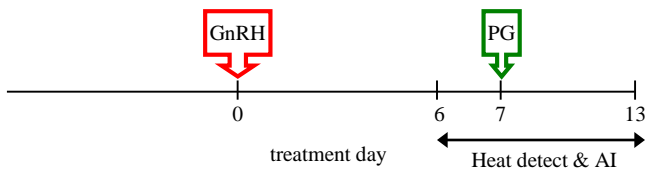


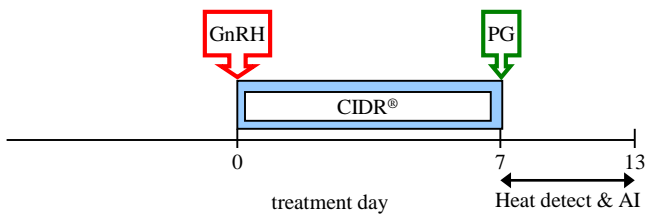
# BEEF COW PROTOCOLS - 2017

## HEAT DETECTION

### Select Synch

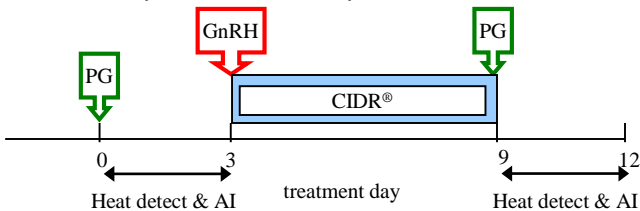


### Select Synch + CIDR®



### PG 6-day CIDR®

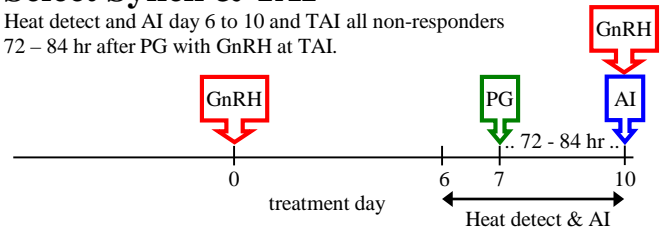
Heat detect and AI days 0 to 3. Administer CIDR to non-responders and heat detect and AI days 9 to 12. Protocol may be used in heifers.



## HEAT DETECT & TIME AI (TAI)

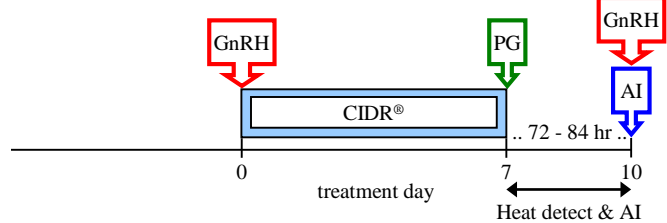
### Select Synch & TAI

Heat detect and AI day 6 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



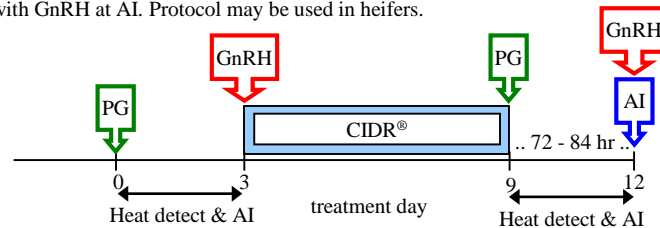
### Select Synch + CIDR® & TAI

Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



### PG 6-day CIDR® & TAI

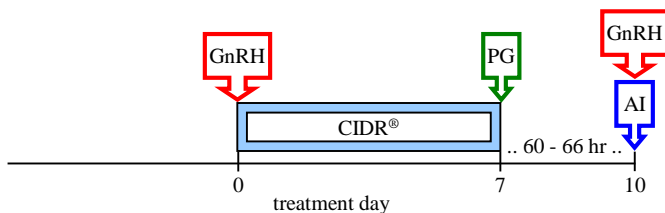
Heat detect & AI days 0 to 3. Administer CIDR to non-responders & heat detect and AI days 9 to 12. TAI non-responders 72 - 84 hr after CIDR removal with GnRH at AI. Protocol may be used in heifers.



## FIXED-TIME AI (TAI)\*

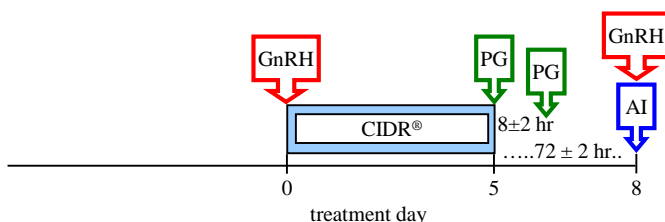
### 7-day CO-Synch + CIDR®

Perform TAI at 60 to 66 hr after PG with GnRH at TAI.



### 5-day CO-Synch + CIDR®

Perform TAI at 72 ± 2 hr after CIDR removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.

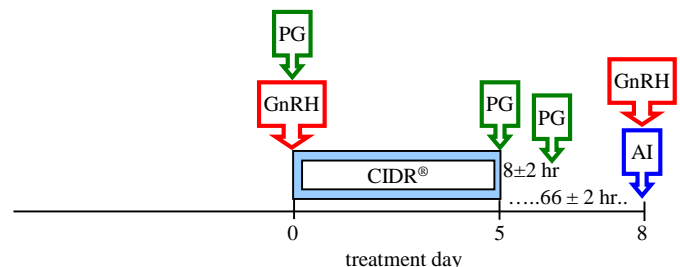


## FIXED-TIME AI (TAI)\*

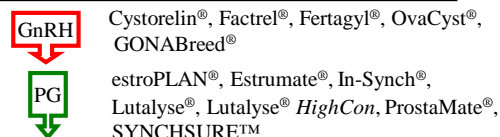
for *Bos Indicus* cows only

### PG 5-day CO-Synch + CIDR®

Perform TAI at 66 ± 2 hr after CIDR removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.



\* The time listed for "Fixed-time AI" should be considered as the approximate average time of insemination. This should be based on the number of cows to inseminate, labor, and facilities.



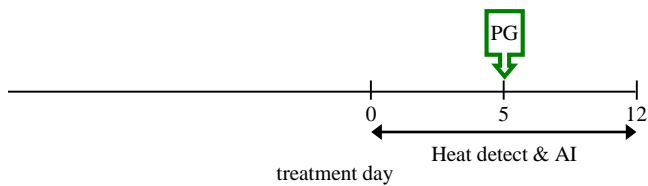
Cystorelin®, Factrel®, Fertagyl®, OvaCyst®, GONABreed®

estroPLAN®, Estrumate®, In-Synch®, Lutalyse®, Lutalyse® HighCon, ProstaMate®, SYNCHSURE™

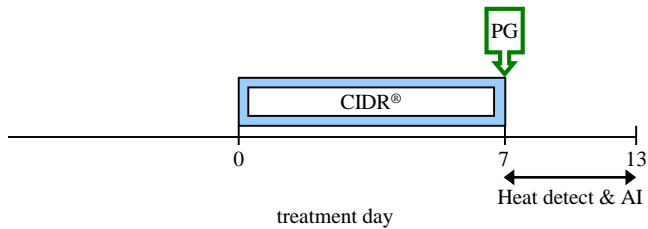
# BEEF HEIFER PROTOCOLS - 2017

## HEAT DETECTION

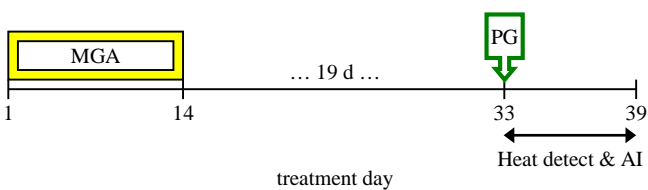
### 1 Shot PG



### 7-day CIDR®-PG



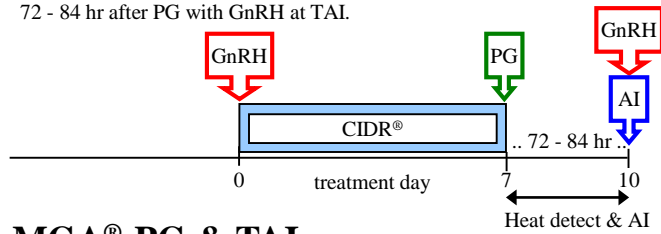
### MGA®-PG



## HEAT DETECT & TIME AI (TAI)

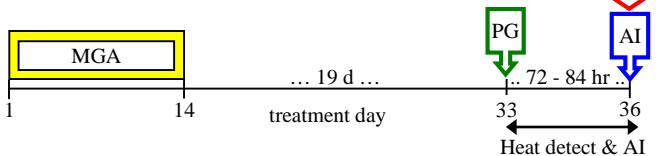
### Select Synch + CIDR® & TAI

Heat detect and AI day 7 to 10 and TAI all non-responders  
72 - 84 hr after PG with GnRH at TAI.



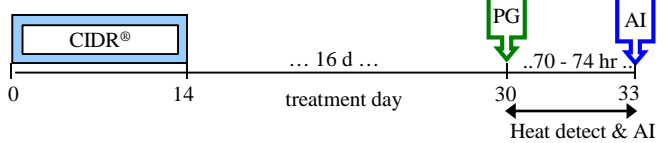
### MGA®-PG & TAI

Heat detect and AI day 33 to 36 and TAI all non-responders  
72 - 84 hrs after PG with GnRH at TAI.



### 14-day CIDR®-PG & TAI

Heat detect and AI day 30 to 33 and TAI all non-responders  
72 hrs after PG with GnRH at TAI.

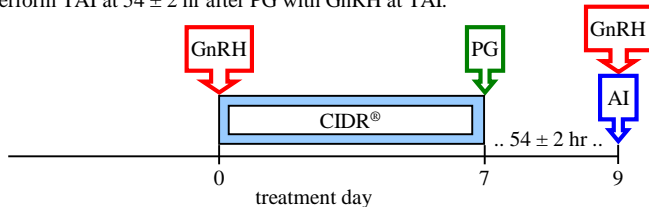


## FIXED-TIME AI (TAI)\*

### Short-term Protocols

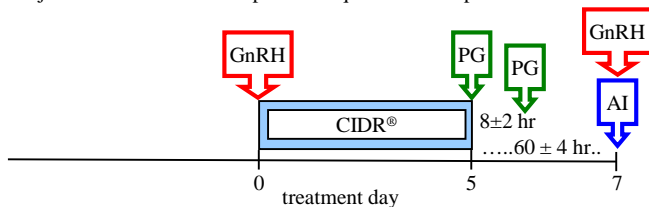
#### 7-day CO-Synch + CIDR®

Perform TAI at  $54 \pm 2$  hr after PG with GnRH at TAI.



#### 5-day CO-Synch + CIDR®

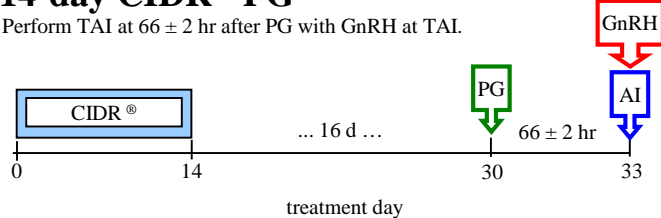
Perform TAI at  $60 \pm 4$  hr after CIDR removal with GnRH at TAI.  
Two injections of PG  $8 \pm 2$  hr apart are required for this protocol.



### Long-term Protocols

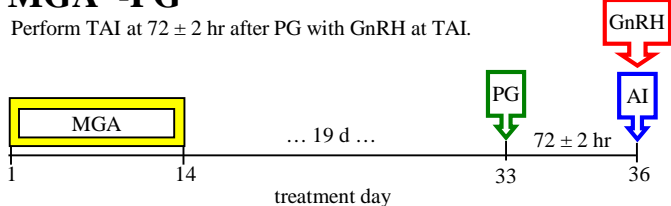
#### 14-day CIDR®-PG

Perform TAI at  $66 \pm 2$  hr after PG with GnRH at TAI.




#### MGA®-PG

Perform TAI at  $72 \pm 2$  hr after PG with GnRH at TAI.



\* The times listed for "Fixed-time AI" should be considered as the approximate average time of insemination. This should be based on the number of heifers to inseminate, labor, and facilities.

 Cystorelin®, Factrel®, Fertagyl®, OvaCyst®, GONABreed®

 estroPLAN®, Estrumate®, In-Synch®, Lutalyse®, Lutalyse® HighCon, ProstaMate®, SYNCHSURE™