

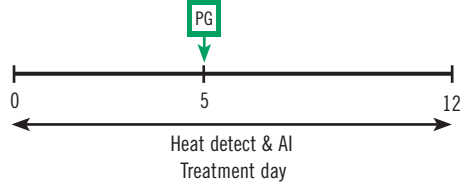


# 2009 Beef Heifer Synchronization Protocols

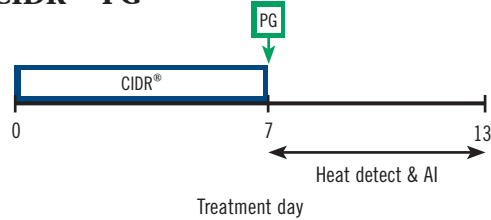
Beef Reproduction Task Force

## Heat Detection

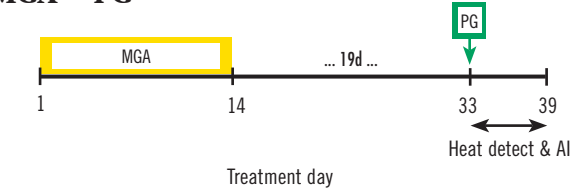
### 1 Shot PG



### CIDR® - PG



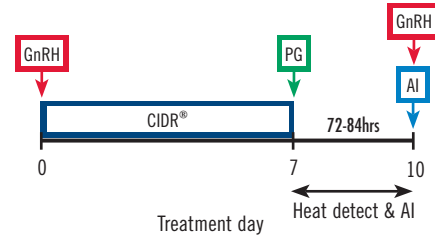
### MGA® - PG



## Heat Detect & Timed AI (TAI)

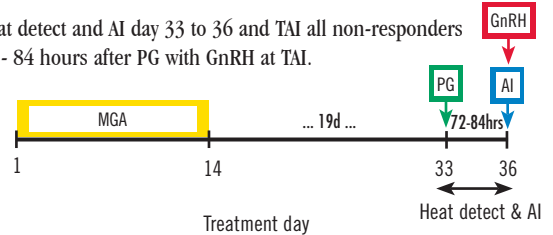
### Select Synch + CIDR® & TAI

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



### MGA® - PG & TAI

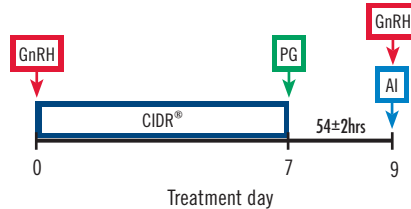
Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hours after PG with GnRH at TAI.



## Fixed-time AI (TAI)\*

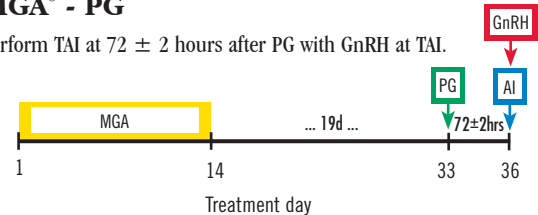
### Co-Synch + CIDR®

Perform TAI at 54 ± 2 hours after PG with GnRH at TAI.



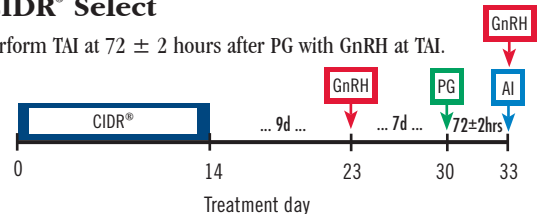
### MGA® - PG

Perform TAI at 72 ± 2 hours after PG with GnRH at TAI.



### CIDR® Select

Perform TAI at 72 ± 2 hours after PG with GnRH at TAI.



## Comparison of Protocols for Beef Heifers

Heat Detection	Cost	Labor
1 Shot PG	Low	High
CIDR® - PG	Medium	Medium
MGA® - PG	Low	Low/Medium

Heat Detection & TAI	Cost	Labor
Select Synch + CIDR® (TAI non-responders 72-84 hours after PG)	High	Medium
MGA® - PG (TAI non-responders 72-84 hours after PG)	Medium	Medium

Fixed-time AI (TAI)	Cost	Labor
Co-Synch + CIDR® (TAI 54 ± 2 hours after PG with GnRH at TAI)	High	Medium
MGA® - PG (TAI 72 ± 2 hours after PG with GnRH at TAI)	Medium	Medium
CIDR® Select (TAI 72 ± 2 hours after PG with GnRH at TAI)	High	Medium/High

\* 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 cows to inseminate, labor, and facilities.

