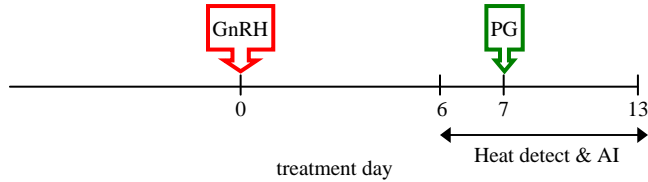


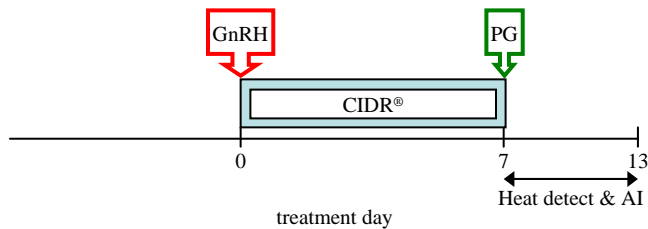
# BEEF COW PROTOCOLS

## HEAT DETECTION

### Select Synch



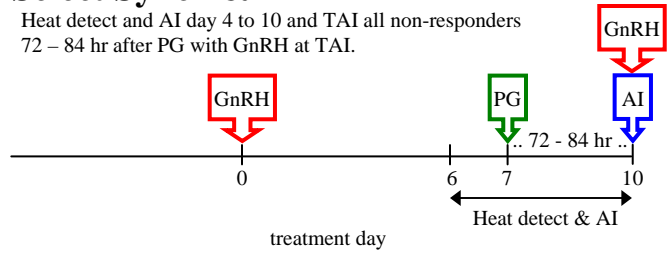
### Select Synch + CIDR®



## HEAT DETECT & TIME AI (TAI)

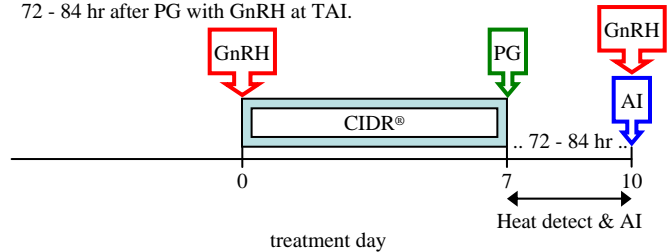
### Select Synch & TAI

Heat detect and AI day 4 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



### Select Synch + CIDR® & TAI

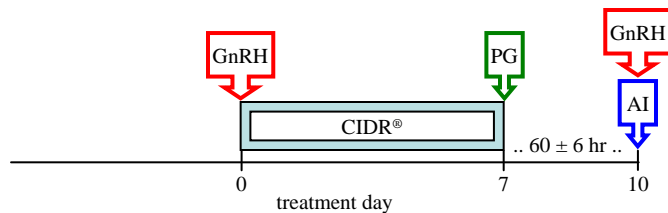
Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



## FIXED-TIME AI (TAI)\*

### CO-Synch + CIDR®

Perform TAI at 60 ± 6 hr after PG with GnRH at TAI.



### COMPARISON OF PROTOCOLS FOR BEEF COWS

HEAT DETECTION	COST	LABOR
Select Synch	Low	Medium/High
Select Synch + CIDR®	High	Medium


HEAT DETECT & TAI	COST	LABOR
Select Synch (TAI non-responders 72-84 hr after PG)	Low	Medium/High
Select Synch + CIDR® (TAI non-responders 72-84 hr after PG)	High	Medium

FIXED-TIME AI (TAI)	COST	LABOR
CO-Synch + CIDR® (TAI 60 ± 6 hr after PG with GnRH at TAI)	High	Medium

\*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.

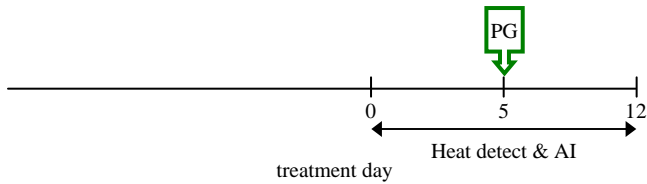
 Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

 Estrumate®, In-Synch®, Lutalyse®, ProstaMate®, estroPLAN®

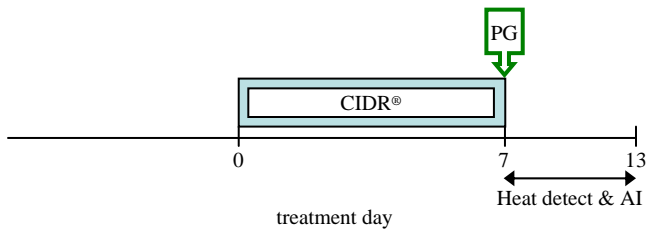
# BEEF HEIFER PROTOCOLS

## HEAT DETECTION

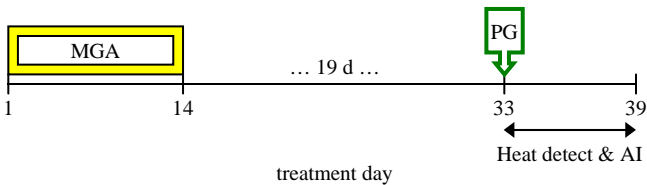
### 1 Shot PG



### CIDR®-PG



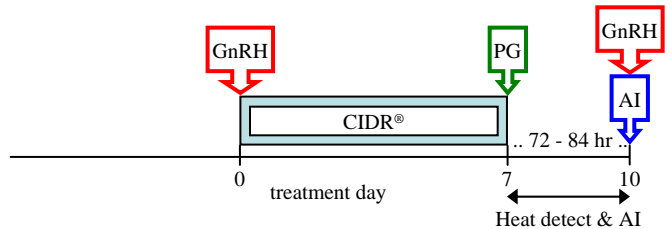
### MGA®-PG



## HEAT DETECT & TIME AI (TAI)

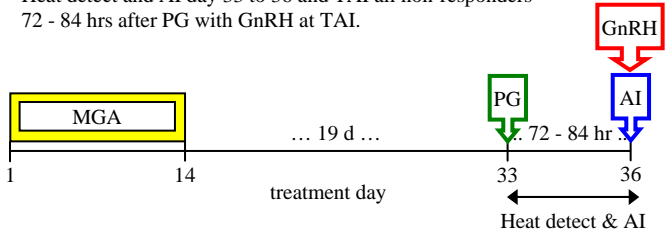
### Select Synch + CIDR® & TAI

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

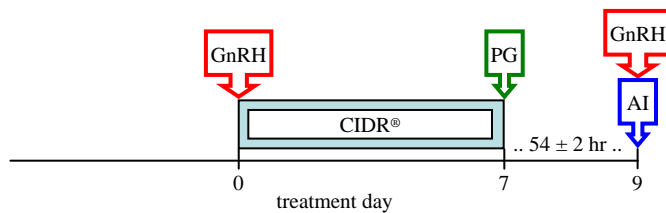
Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hrs after PG with GnRH at TAI.



## FIXED-TIME AI (TAI)\*

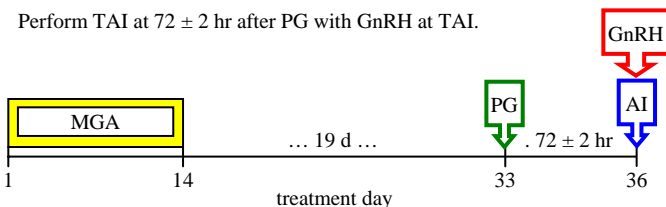
### CO-Synch + CIDR®

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



### MGA®-PG

Perform TAI at  $72 \pm 2$  hr 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 DETECT & TAI


Select Synch + CIDR® (TAI non-responders 72-84 hr after PG)	High	Medium
MGA®-PG (TAI non-responders 72-84 hr after PG)	Medium	Medium

## FIXED-TIME AI (TAI)

CO-Synch + CIDR® (TAI $54 \pm 2$ hr after PG with GnRH at TAI)	High	Medium
MGA®-PG (TAI $72 \pm 2$ hr after PG with GnRH at TAI)	Medium	Medium

\* 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.

 GnRH Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

 PG Estrumate®, In-Synch®, Lutalyse®, ProstaMate®, estroPLAN®