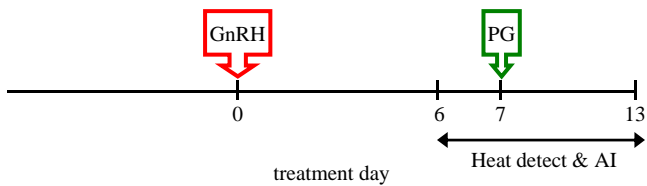


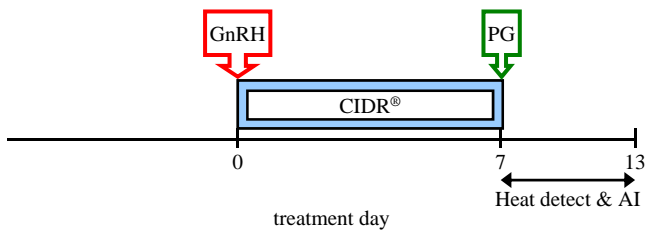
# BEEF COW PROTOCOLS - 2009

## HEAT DETECTION

### Select Synch



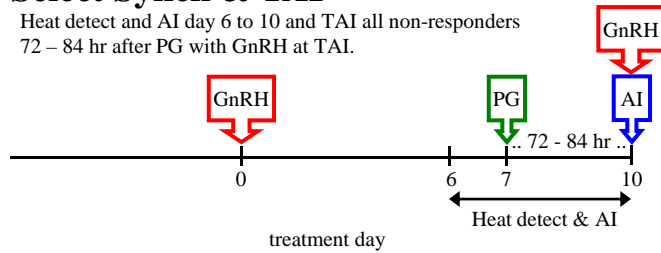
### Select Synch + CIDR®



## HEAT DETECT & TIME AI (TAI)

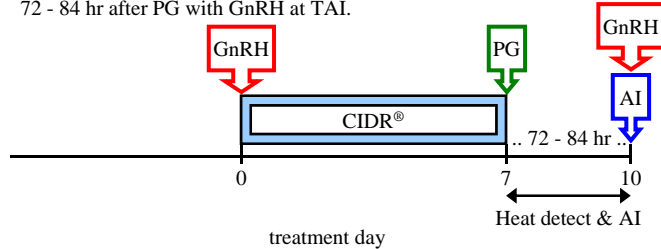
### Select Synch & TAI

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

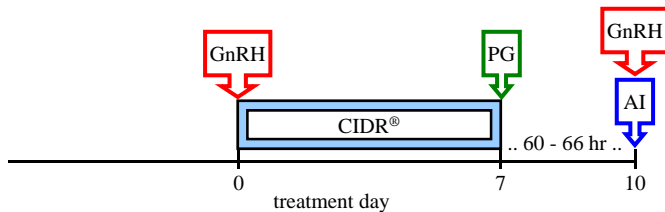
Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



## FIXED-TIME AI (TAI)\*

### 7-day CO-Synch + CIDR®

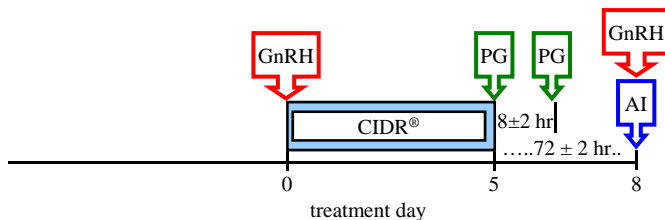
Perform TAI at 60 to 66 hr after PG with GnRH at TAI.



### 5-day CO-Synch + CIDR®

Perform TAI at  $72 \pm 2$  hr after 1<sup>st</sup> PG with GnRH at TAI.

Two injections of PG  $8 \pm 2$  hr apart are required for this protocol.



## COMPARISON OF PROTOCOLS FOR BEEF COWS

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

## HEAT DETECT & TAI

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)

7-day CO-Synch + CIDR® (TAI 60 to 66 hr after PG with GnRH at TAI)	High	Medium
5-day CO-Synch + CIDR® (TAI $72 \pm 2$ hr after 1 <sup>st</sup> PG with GnRH at TAI)	High	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.

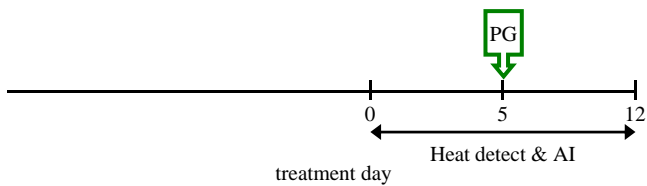
GnRH Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

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

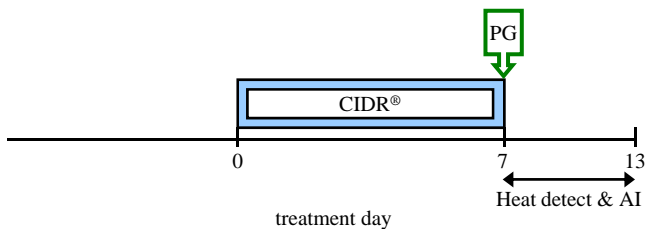
# BEEF HEIFER PROTOCOLS - 2009

## HEAT DETECTION

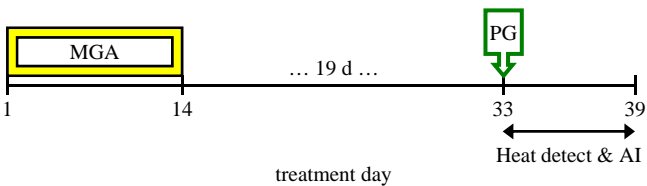
### 1 Shot PG



### CIDR®-PG



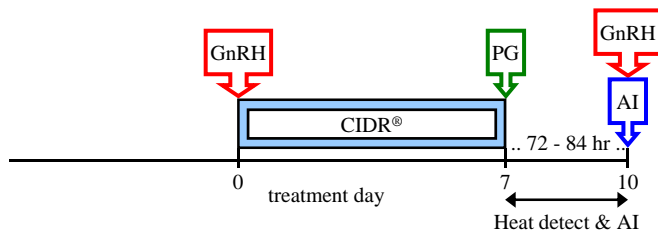
### MGA®-PG



## HEAT DETECT & TIME AI (TAI)

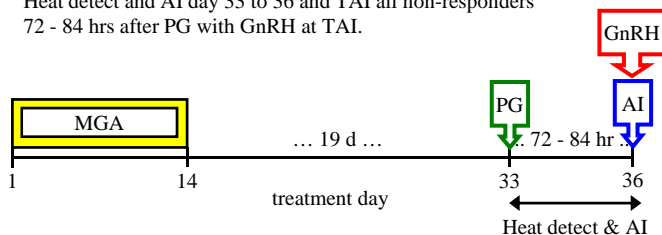
### Select Synch + CIDR® & TAI

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

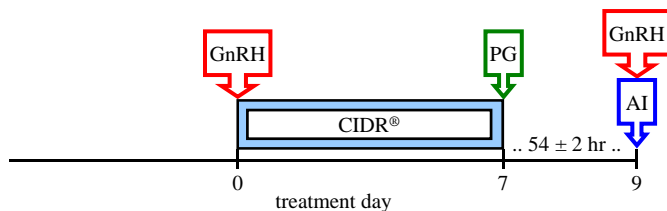
Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hrs after PG with GnRH at TAI.



## FIXED-TIME AI (TAI)\*

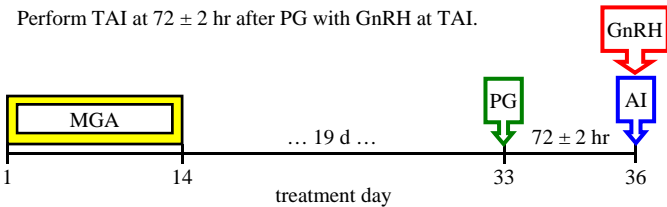
### CO-Synch + CIDR®

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



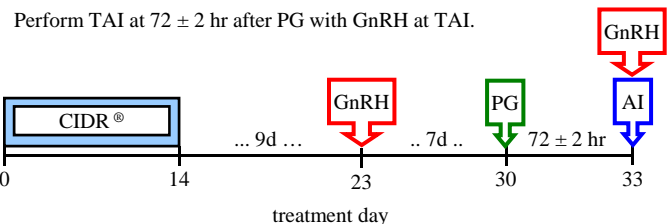
### MGA®-PG

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



### CIDR® Select

Perform TAI at 72 ± 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 ± 2 hr after PG with GnRH at TAI)	High	Medium
MGA®-PG (TAI 72 ± 2 hr after PG with GnRH at TAI)	Medium	Medium
CIDR® Select (TAI 72 ± 2 hr 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 heifers to inseminate, labor, and facilities.

	Cystorelin®, Factrel®, Fertagyl®, OvaCyst®
	Estrumate®, In-Synch®, Lutalyse®, ProstaMate®, estroPLAN®