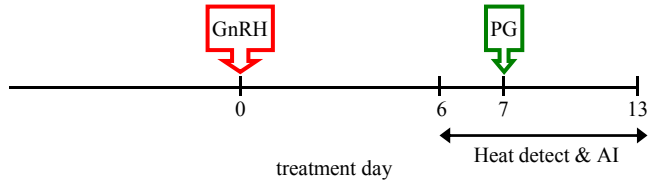




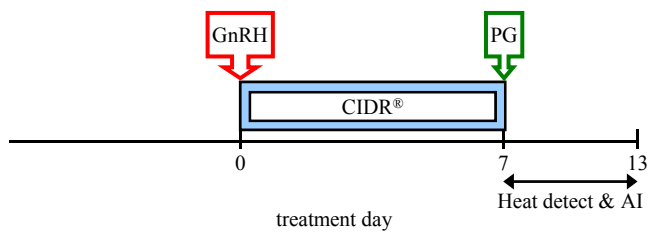
# BEEF COW PROTOCOLS 2009 - Beef Reproduction Task Force

## HEAT DETECTION

### Select Synch



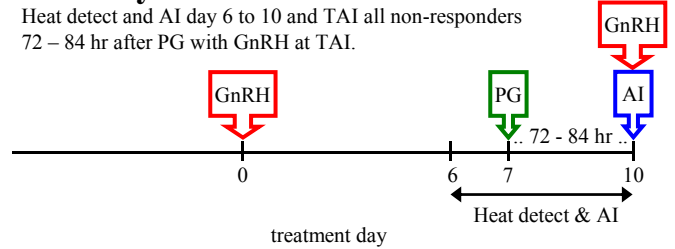
### Select Synch + CIDR®



## HEAT DETECT & TIME AI (TAI)

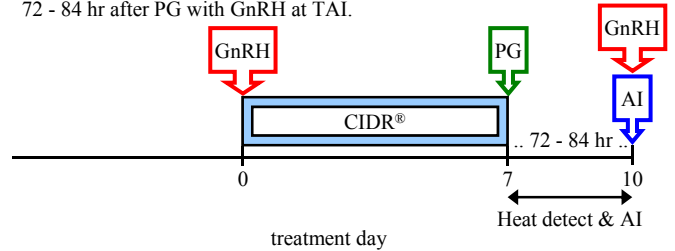
### Select Synch & TAI

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

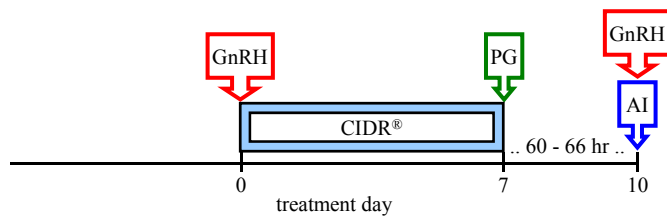
Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



## FIXED-TIME AI (TAI)\*

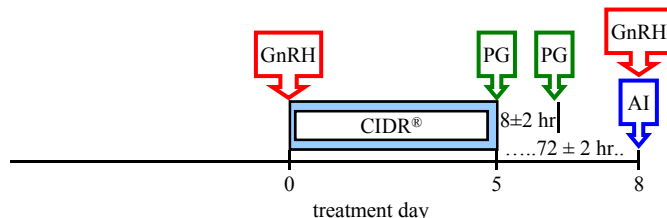
### 7-day CO-Synch + CIDR®

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



### 5-day CO-Synch + CIDR®

Perform TAI at 72 ± 2 hr after 1<sup>st</sup> PG with GnRH at TAI. Two injections of PG 8 ± 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 ± 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®