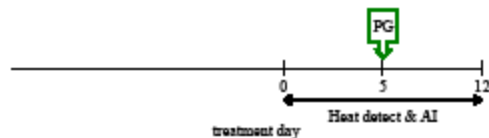


Protocol Sheets/Estrus Synchronization Planner

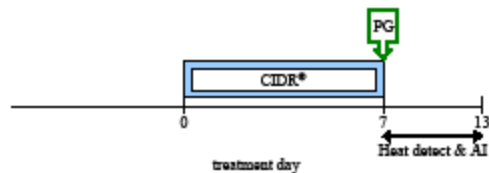
Sandy Johnson
sandyj@ksu.edu

HEAT DETECTION

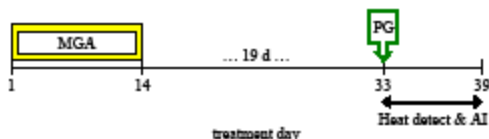
1 Shot PG



CIDR®-PG



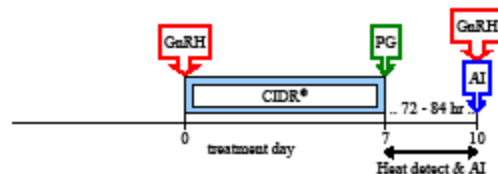
MGA®-PG



HEAT DETECT & TIME AI (TAI)

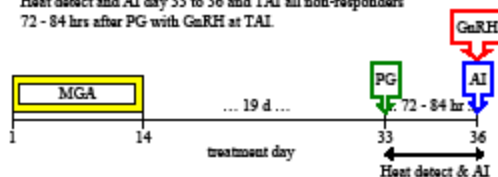
Select Synch + CIDR® & TAI

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

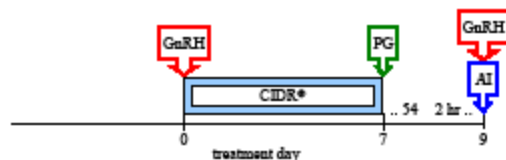
Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hrs after PG with GnRH at TAI



FIXED-TIME AI (TAI)*

CO-Synch + CIDR®

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



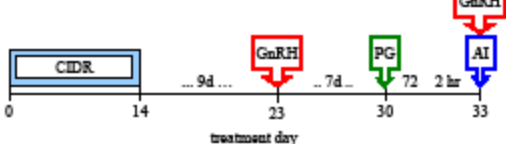
MGA®-PG

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.

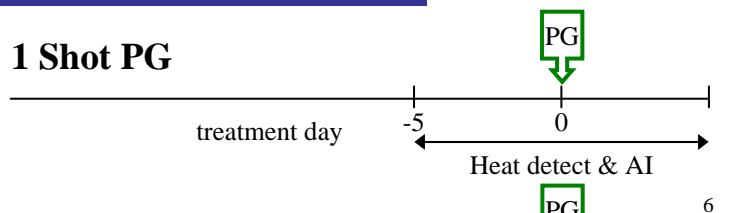
GnRH Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

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

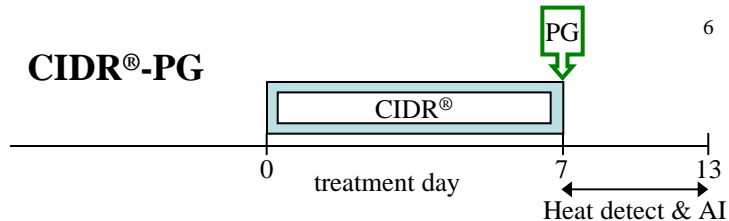
BEEF HEIFER SYNCHRONIZATION PROTOCOLS

HEAT DETECTION

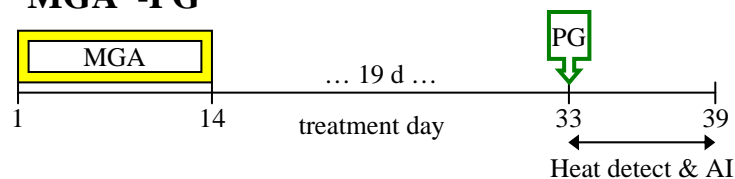
1 Shot PG



CIDR®-PG



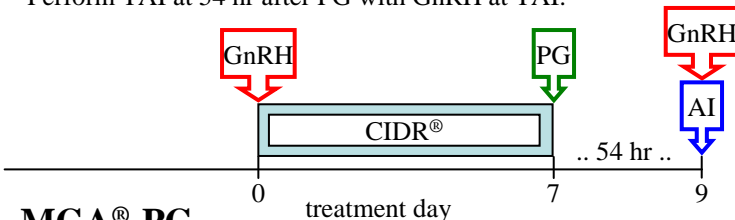
MGA®-PG



FIXED-TIME AI (TAI)

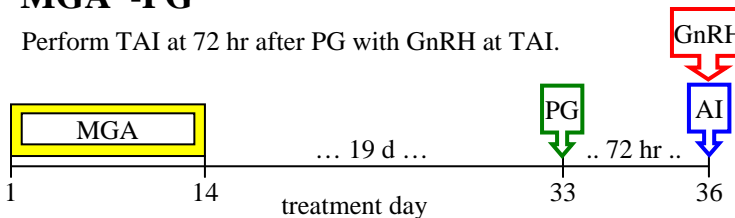
CO-Synch + CIDR®

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



MGA®-PG

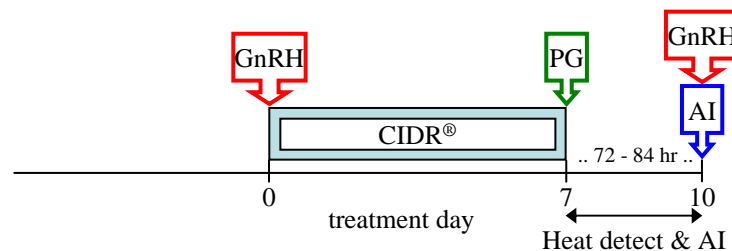
Perform TAI at 72 hr after PG with GnRH at TAI.



HEAT DETECT & TIME AI (TAI)

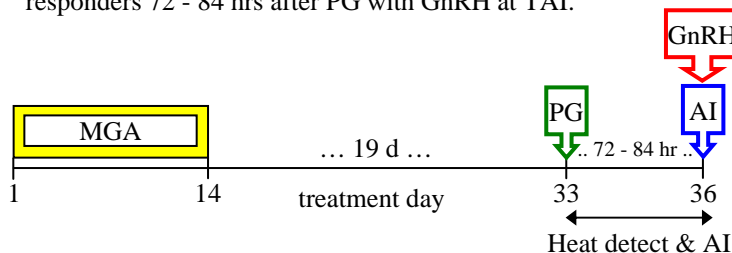
Select Synch + CIDR® & TAI

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.



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

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

Products

GnRH



Cystorelin[®], Factrel[®], Fertagyl[®], OvaCyst[®]

PG

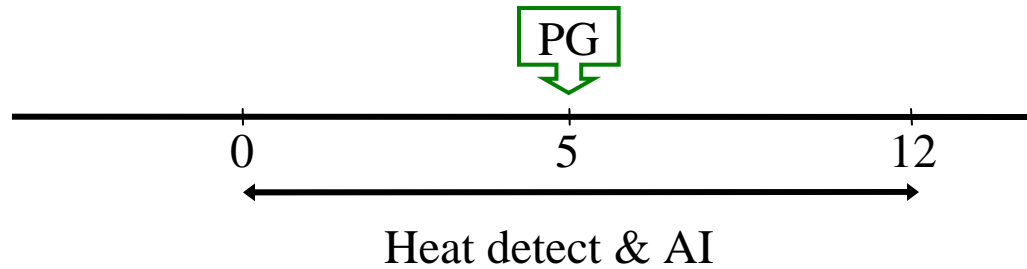


Estrumate[®], In-Synch[®],
Lutalyse[®], ProstaMate[®], estroPLAN[®]

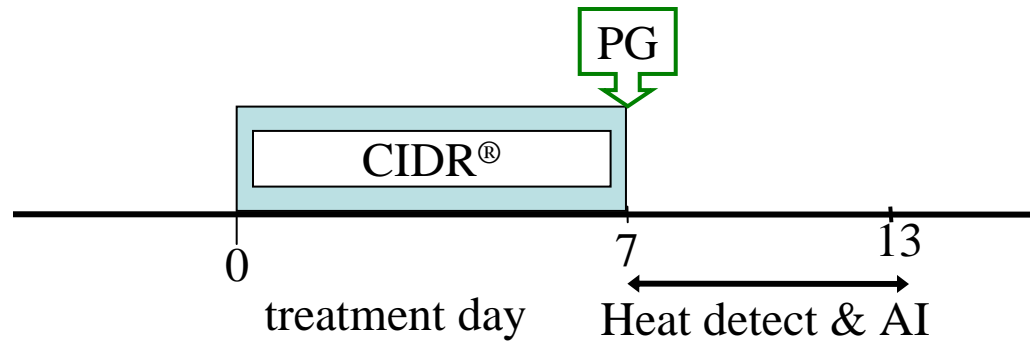
- Make sure to give the correct injection on the day specified in the protocol
- Within product category, all products are equally effective
- Use at label dose
- Follow BQA guidelines for all injections

Heifers– Heat Detection

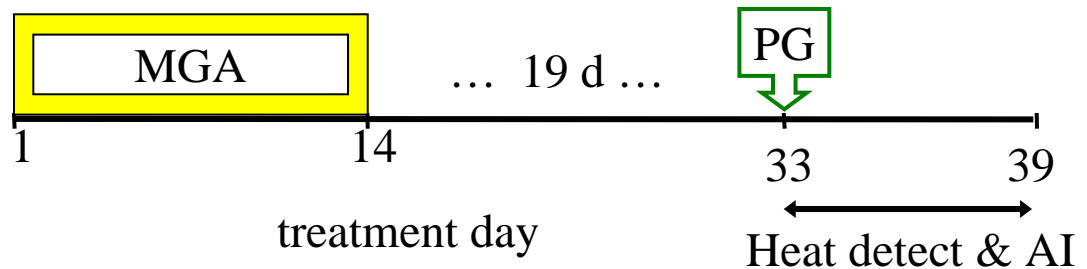
1 Shot PG



CIDR® -PG



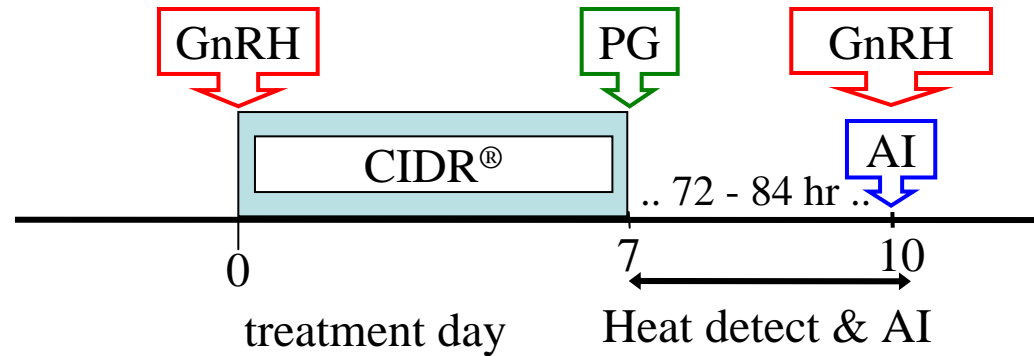
MGA® -PG



Heifers – Heat Detect & TAI

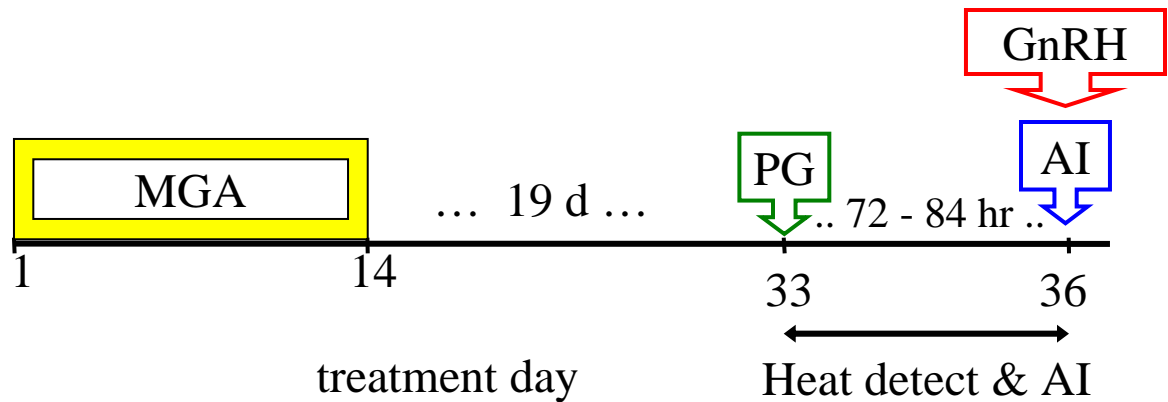
Select Synch + CIDR® & TAI

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

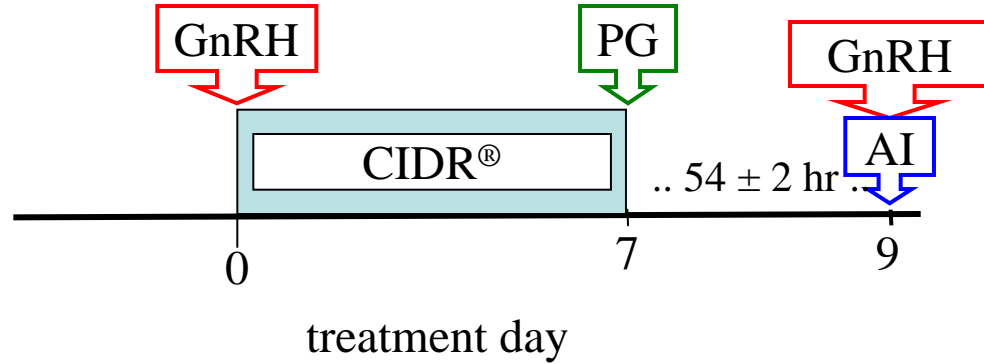
Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



Heifers— Fixed-Time AI (TAI)

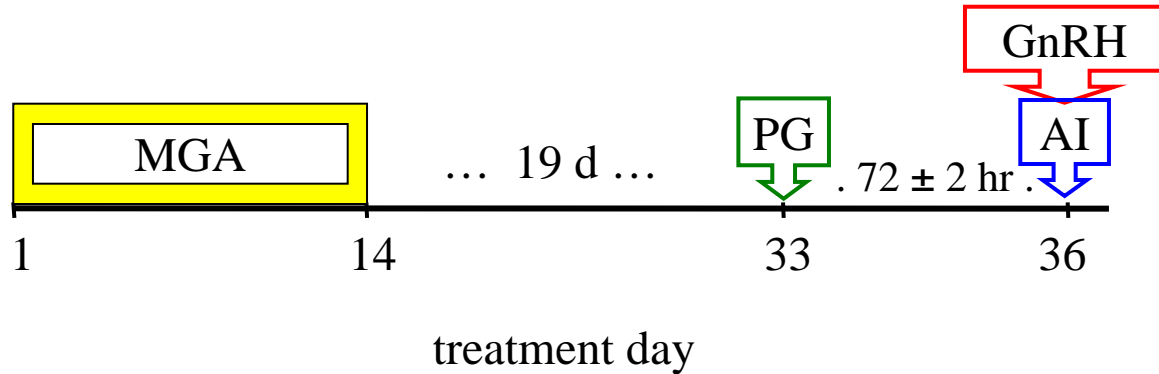
CO-Synch + CIDR®

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



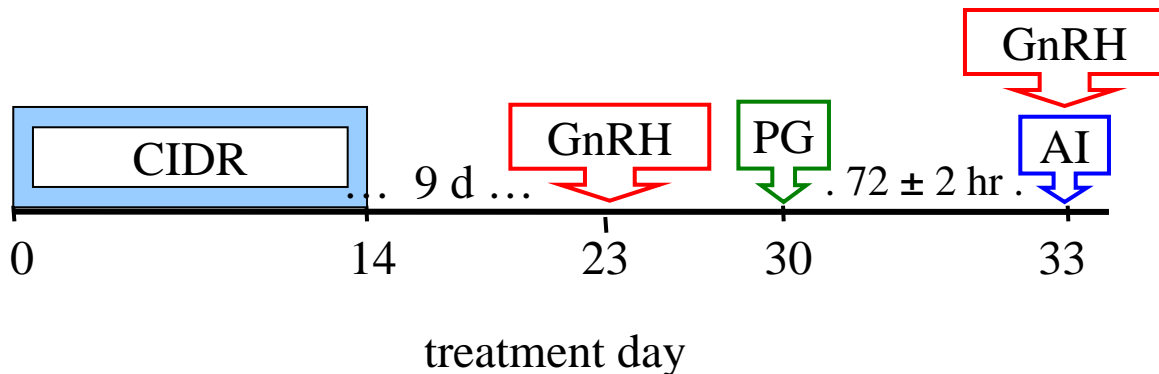
MGA® -PG

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.

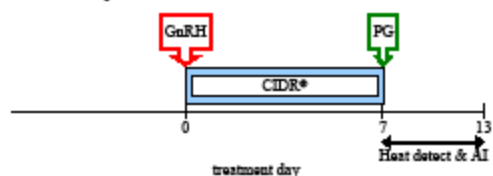


HEAT DETECTION

Select Synch

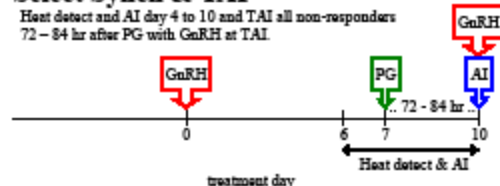


Select Synch + CIDR®

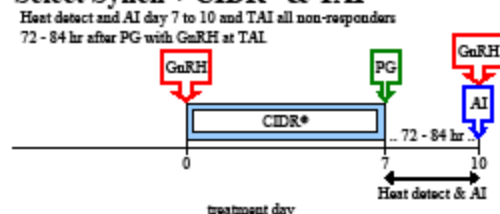


HEAT DETECT & TIME AI (TAI)

Select Synch & TAI



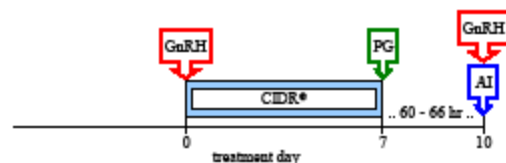
Select Synch + CIDR® & TAI



FIXED-TIME AI (TAI)*

CO-Synch + CIDR®

Perform TAI at 60 to 66 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 to 66 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.

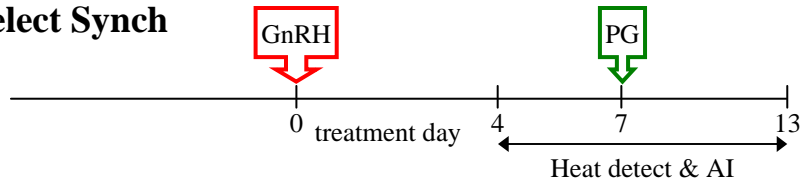
GnRH Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

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

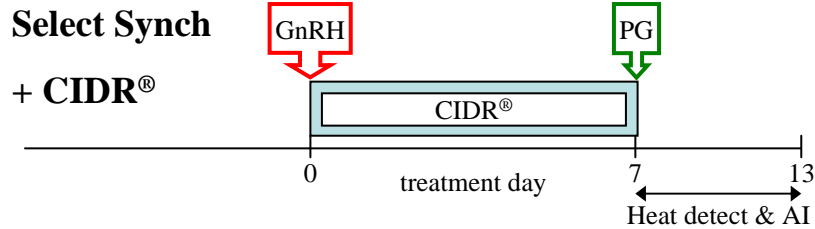
BEEF COW SYNCHRONIZATION PROTOCOLS

HEAT DETECTION

Select Synch



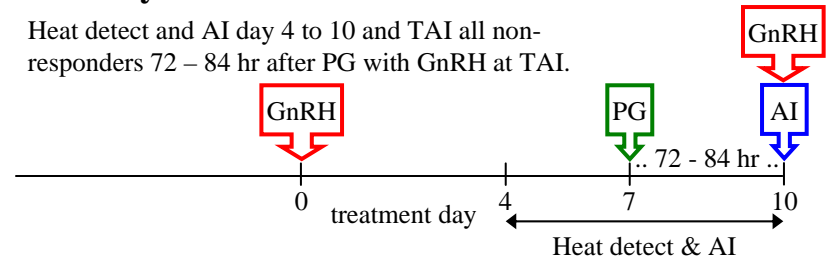
Select Synch + CIDR®



HEAT DETECT & TIME AI (TAI)

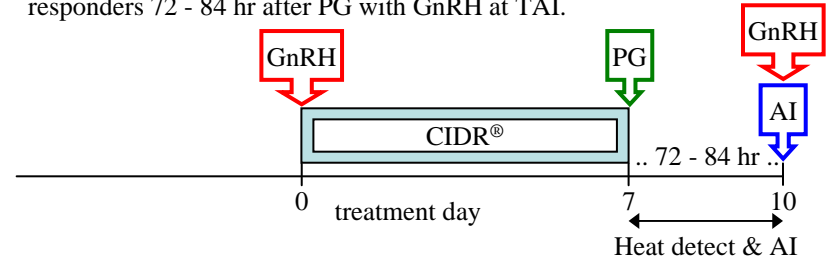
Select Synch & TAI

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

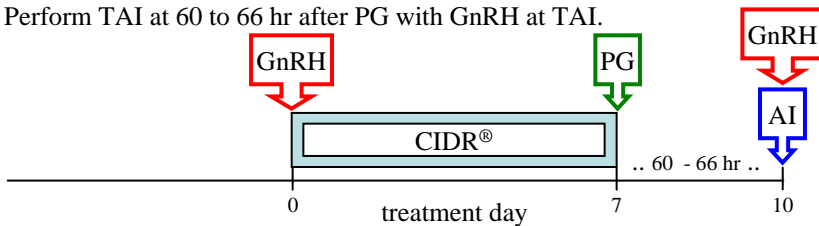
Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



FIXED-TIME AI (TAI)

CO-Synch + CIDR®

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

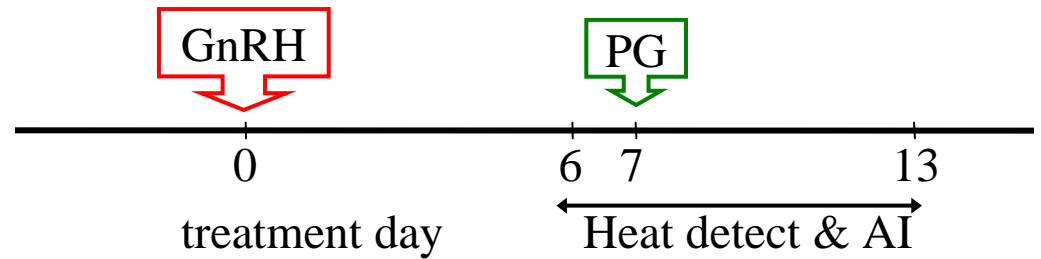


GnRH Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

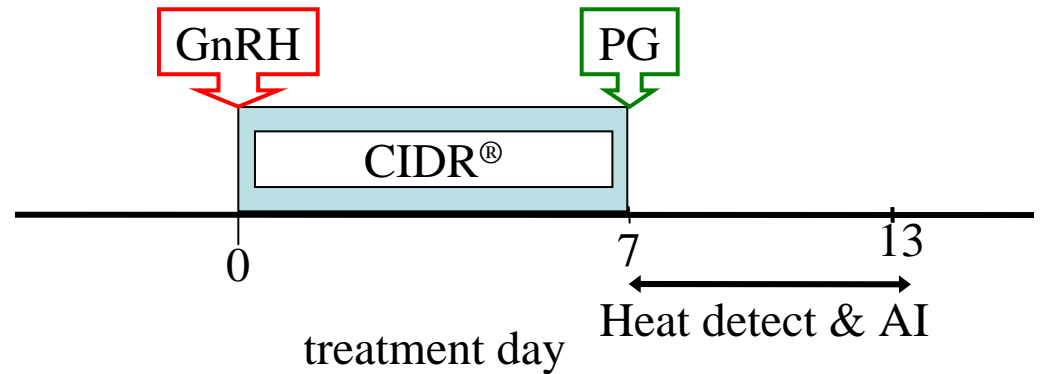
PG Estrumate®, In-Synch®, Lutalyse®, ProstaMate®

Cows – Heat Detection

Select Synch



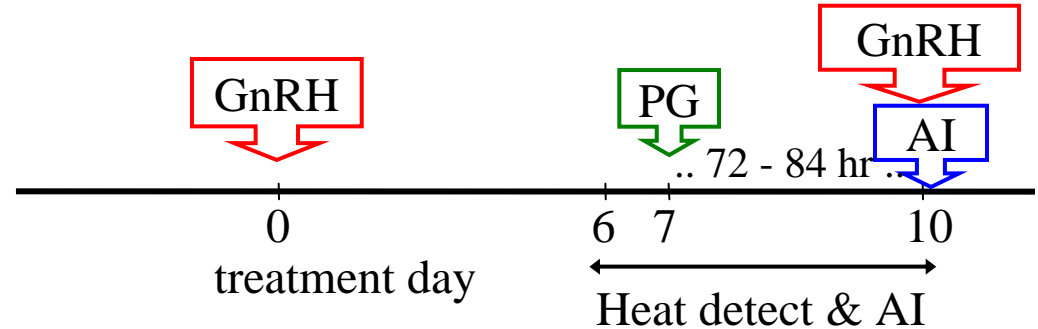
Select Synch + CIDR[®]



Cows – Heat Detect & TAI

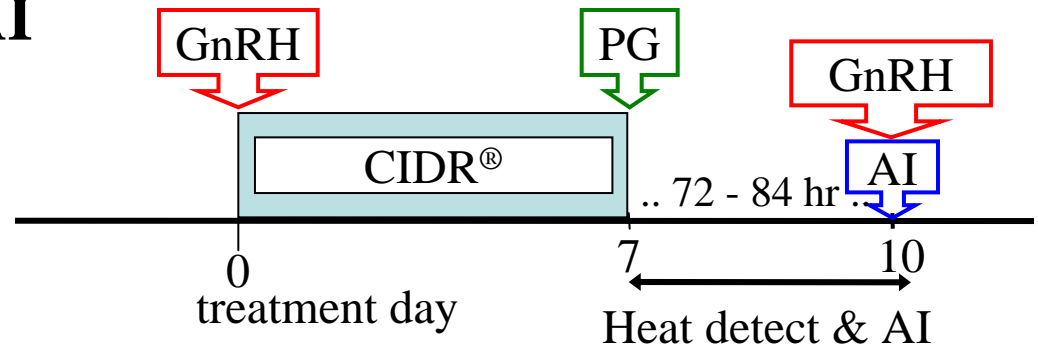
Select Synch & TAI

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

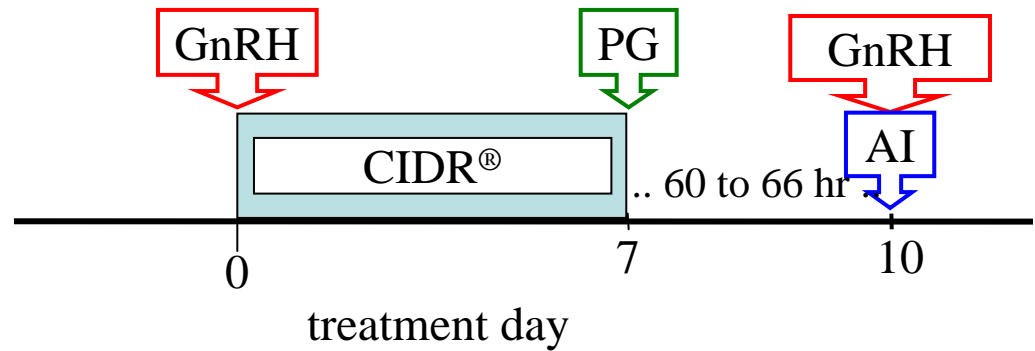
Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.



Cows – Fixed-Time AI (TAI)

CO-Synch + CIDR®

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



Estrus Synchronization Planner



Features

- Recommended systems for cows & heifers
- Select systems by type
 - Heat detect & AI systems
 - Heat detect & cleanup AI systems
 - Fixed-Timed AI Systems
- List of daily activities
- Generates Barn Calendar
- Cost per AI pregnancy
- Support materials