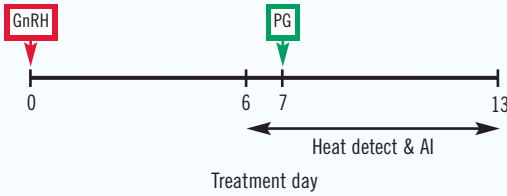


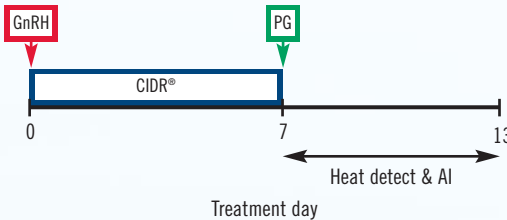
BEEF COW SYNCHRONIZATION PROTOCOLS

Heat Detection

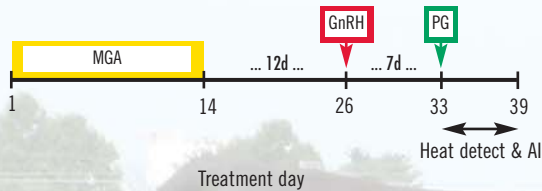
Select Synch



Select Synch + CIDR®

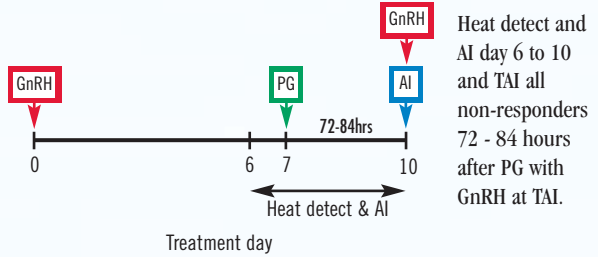


MGA® Select

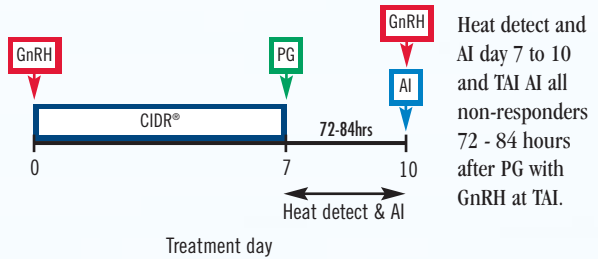


Heat Detect & Timed AI (TAI)

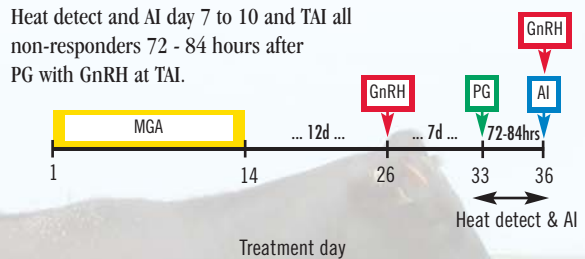
Select Synch & TAI



Select Synch + CIDR® & TAI



MGA® Select & TAI



Comparison of Protocols for Beef Cows

Heat Detection	Cost	Labor
Select Synch	Low	Medium/High
Select Synch + CIDR®	High	Medium
MGA® Select	Medium	Medium/High

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

Fixed-time AI (TAI)	Cost	Labor
CO-Synch + CIDR® (TAI 60 ± 6 hours after PG with GnRH at TAI)	High	Medium
MGA® Select (TAI 72 ± 2 hours after PG with GnRH at TAI)	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.

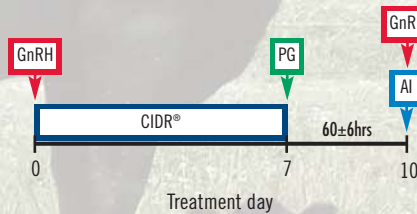
GnRH Cystorelin®, Factrel®, Fertagyl®, OvaCyst®

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

Fixed-time AI (TAI)

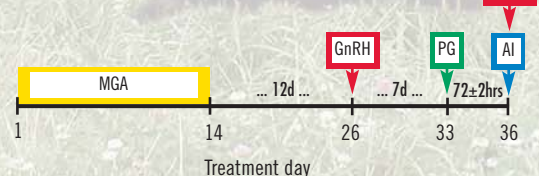
CO-Synch + CIDR®

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



MGA® Select

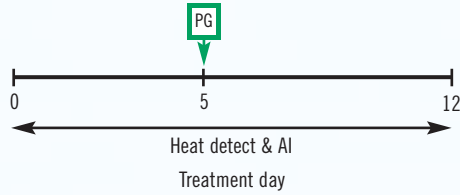
Perform TAI at 72 ± 2 hours after PG with GnRH at TAI.



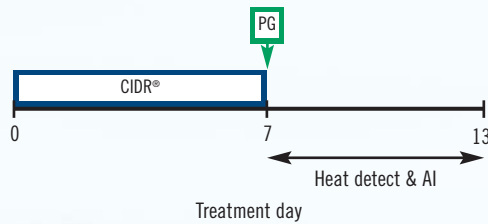
BEEF HEIFER SYNCHRONIZATION PROTOCOLS

Heat Detection

1 Shot PG



CIDR® - PG

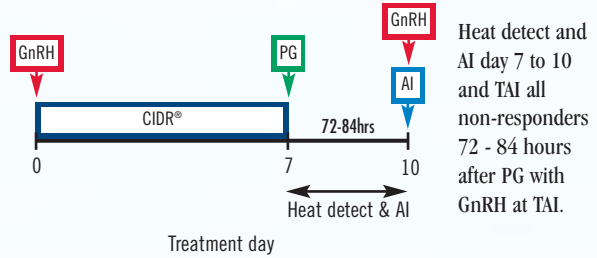


MGA® - PG



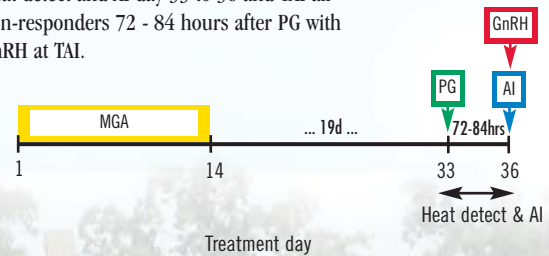
Heat Detect & Timed AI (TAI)

Select Synch + CIDR® & 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.



Comparison of Protocols for Beef Heifers

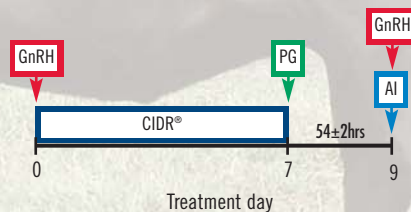
Heat Detection	Cost	Labor
1 Shot PG	Low	High
CIDR® - PG	Medium	Medium
MGA® - PG	Low	Low/Medium
Heat Detection & TAI	Cost	Labor
Select Synch + CIDR® (TAI non-responders 72-84 hours after PG)	High	Medium
MGA® - PG (TAI non-responders 72-84 hours after PG)	Medium	Medium
Fixed-time AI (TAI)	Cost	Labor
CO-Synch + 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

• 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.

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.



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

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