**HEAT DETECTION**

**Select Synch**

- GnRH
- PG
- Treatment day 6 to 13
- Heat detect & AI

**Select Synch + CIDR®**

- GnRH
- PG
- CIDR®
- Treatment day 0 to 13
- Heat detect & AI

**PG 6-day CIDR®**

Heat detect and AI days 0 to 3. Administer CIDR to non-responders and heat detect and AI days 9 to 12. Protocol may be used in heifers.

- PG
- CIDR®
- Treatment day 0 to 13
- Heat detect & AI

**FIXED-TIME AI (TAI)**

**7-day CO-Synch + CIDR®**

- GnRH
- PG
- CIDR®
- Treatment day 0 to 10
- 60 - 66 hr

**5-day CO-Synch + CIDR®**

- GnRH
- PG
- CIDR®
- Treatment day 0 to 8
- 8±2 hr

*The time 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.*

**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.

- GnRH
- PG
- Al
- Treatment day 0 to 10
- Heat detect & AI

**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.

- GnRH
- PG
- CIDR®
- Al
- Treatment day 0 to 10
- Heat detect & AI

**PG 6-day CIDR® & TAI**

Heat detect and AI days 0 to 3. Administer CIDR to non-responders & heat detect and AI days 9 to 12. TAI non-responders 72 - 84 hr after CIDR removal with GnRH at AI. Protocol may be used in heifers.

- PG
- CIDR®
- Treatment day 0 to 13
- Heat detect & AI

**PG 5-day CO-Synch + CIDR®**

Perform TAI at 66 ± 2 hr after CIDR removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.

- PG
- CIDR®
- Treatment day 0 to 8
- 8±2 hr

Approved 12-01-13

Beef Reproduction Task Force

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

1 Shot PG

7-day 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.

14-day CIDR®-PG & TAI

Heat detect and AI day 30 to 33 and TAI all non-responders 72 hrs after PG with GnRH at TAI.

**FIXED-TIME AI (TAI)**

Short-term Protocols

7-day CO-Synch + CIDR®

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

5-day CO-Synch + CIDR®

Perform TAI at 60 ± 4 hr after CIDR removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.

Long-term Protocols

14-day CIDR®-PG

Perform TAI at 66 ± 2 hr after PG with GnRH at TAI.

MGA®-PG

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

* 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.