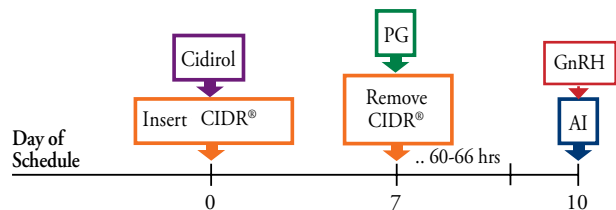


BEEF SYNCHRONIZATION PROTOCOLS

Fixed - Time AI

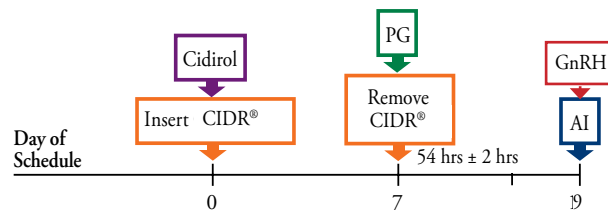
7-day Co-synch & CIDR® for Beef Cows



Timed AI at 60-66 hours after CIDR® removal is critical. Inject GnRH at AI.

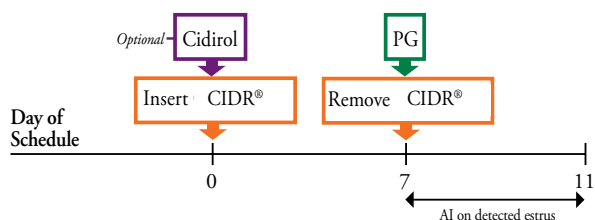
Fixed - Time AI

7-day Co-synch & CIDR® for Beef Heifers



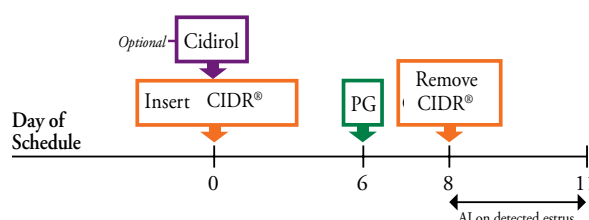
Timed AI at 54 hours (with + or - 2hrs) after CIDR® removal is critical. Inject GnRH at AI.

CIDR® with Prostaglandin 1



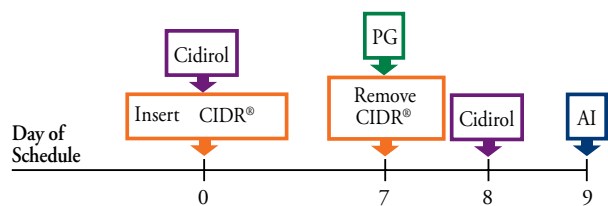
Prostaglandin injection may be given at the same time as CIDR® removal. Expect slightly less tightness of synchronization.

CIDR® with Prostaglandin 2



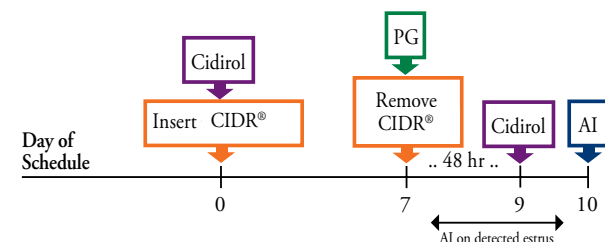
Day 6 PG tightens the AI period, so the extra muster on Day 6 can save two musters during AI period. CIDR® can be removed at Day 7.

CIDR® with Cidriol - Timed Insemination



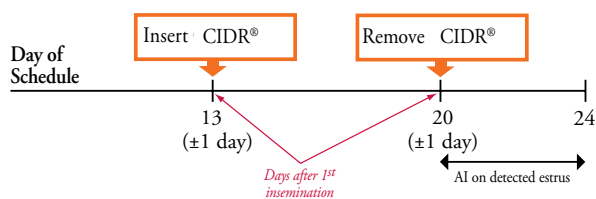
Prostaglandin injection may be given at the same time as CIDR® (Day 7). Insemination on Day 9.

CIDR® with Cidriol - Heat Detection & Timed Insemination



Inseminate on heat detection Days 7-9. Cows not detected, inject Cidriol on Day 9. Blanket AI Day 10.

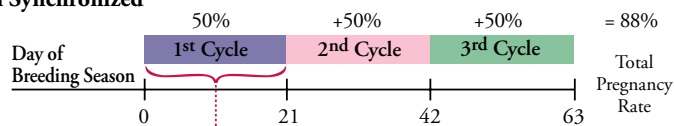
ReSynch with CIDR®



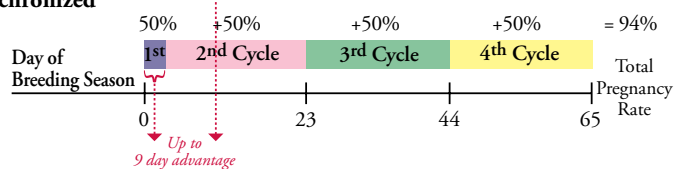
For heifers, CIDR® can be inserted on Day 12 and removed on Day 19, without the use of cidirol.

The Value of Synchronization

Non Synchronized



Synchronized



More Calves

- More chances to conceive during the breeding season
- Some synch systems induce cows to cycle earlier

Heavier Calves

- Calves born earlier on average
- 9 days x 1.0 ADG x \$1.80 = \$16.20, which will pay for most synch programs.