When cows fail to cycle, it can be an expensive problem. Today, the prevalence of anestrous cows is estimated to be 20% to more than 40% in U.S. dairy herds. The cost for an extra day open can be more than $3.00 per cow per day.\(^2\)

Eazi-Breed™ CIDR® is now indicated for induction of estrous cycles in anestrous dairy cows. So you can be confident implementing this protocol as an on-label treatment.

### TIPS FOR IDENTIFYING ANESTROUS COWS

Before assuming cows are anestrus, it’s important to rule out poor heat detection. Anestrous dairy cows can be identified by:

**Observation:** No signs of estrus since calving

**Ultrasound:** No corpus luteum detected on either ovary in two exams at seven- to 14-day intervals, such as on Day 35 and Day 42 post-calving

**Blood or milk samples:** Low concentrations of progesterone in two samples collected at seven- to 14-day intervals, such as on Day 35 and 42 post-calving

### IN A STUDY, EAZI-BREED CIDR SIGNIFICANTLY IMPROVED ESTROUS CYCLING

In a multisite field study, the efficacy and safety of Eazi-Breed CIDR was evaluated in postpartum cows at nine commercial dairies:\(^1\)

- 426 anestrous cows received Eazi-Breed CIDR for seven days
- 430 anestrous cows received no treatment

During a 42-day observation period, cows that received Eazi-Breed CIDR showed a 37.5% relative improvement in the rate of estrous cycling induction, a significant improvement \((P < 0.0001)\) over controls.

For best results, observe cows on Days 2 to 5 after removal of the Eazi-Breed CIDR, and inseminate animals found in estrus. The study found 78.3% of the cows were inseminated on the second and third day following the removal of the Eazi-Breed CIDR.
1. What is the significance of anestrous cows on a dairy operation?
   • Anestrous or missed estrous periods can significantly reduce reproduction efficiency and the dairy’s profits.
   • Anestrous cows have a lower probability of breeding, reduced conception rates and a longer interval to conception than cycling herdmates.

2. How do you treat anestrous cows using Eazi-Breed™ CIDR®?
   • Administer one Eazi-Breed CIDR per anestrous cow and remove seven days later (for example, if administered on a Monday remove the following Monday).
   • If insemination is intended, observe cows on Days 2 to 5 after removal of the Eazi-Breed CIDR and inseminate animals found in estrus following typical herd practices. If not inseminated post-removal of the Eazi-Breed CIDR, consider introducing fixed-timed artificial insemination (AI) 10 days following the removal of Eazi-Breed CIDR.

3. Can Eazi-Breed CIDR impact conception rate on subsequent breedings?
   The insert can increase the proportion of large, aged follicles, which can decrease conception rates. Therefore, the heat occurring immediately following removal of the Eazi-Breed CIDR may have lower conception rates. It’s recommended to wait to breed the animal until the following heat.

4. Why does the packaging include a caution statement on conception rates?
   Based on results in the first 21 days of the trial, conception rates were lower with the Eazi-Breed CIDR group. However, there was no difference in pregnancy rates between groups. Because of these results, the product packaging includes a new caution statement: “You May Notice: Reduced conception rates to inseminations conducted immediately following removal of the Eazi-Breed CIDR Cattle Insert when used for induction of estrous cycles in anestrous lactating dairy cows. Such reductions in conception rate are not expected to result in reduced pregnancy rates.”

5. Why are hygiene and cleanliness important?
   • It’s always important to disinfect the applicator between uses and be sure inserts are clean and free of debris to reduce the risk of vaginitis. This, in turn, may help reduce any potential negative impact on conception.
   • To prevent the potential transmission of venereal and blood-borne diseases, the Eazi-Breed CIDR should be disposed of after a single use.

For more than 30 years, Zoetis has been bringing dairy producers innovations to improve the efficiency of your clients’ reproductive programs. For more details on the Eazi-Breed CIDR Cattle Insert, talk to your Zoetis representative or visit CIDR.com/Dairy.

IMPORTANT SAFETY INFORMATION FOR EAZI-BREED CIDR: Avoid contact with skin by wearing protective gloves when handling EAZI-BREED CIDR inserts. Do not use in heifers of insufficient size or age for breeding or in cattle with abnormal, immature, or infected genital tracts. Do not use inserts more than once.