



Mitchell Veterinary Services

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Dairy Newsletter
April 1, 2016

IMPROVED PREGNANCY RATE IN COWS TREATED FOR CLINICAL MASTITIS WITH METACAM TREATMENT

Research has shown that cows developing a case of clinical mastitis will have lower fertility at the time of the mastitis case and immediately following, due to lower conception rate and early pregnancy loss. Mastitis is an infection and the cow's response to infection is to release natural prostaglandin. Prostaglandin (like estrumate and lutalyse) are the cause of this reduced fertility. Giving Metacam when treating cows for mastitis will reduce the natural prostaglandin produced by the cow and as a result improve her reproductive fertility.

A research trial was conducted to determine how much effect giving Metacam to cows being treated for mastitis would have on their fertility. When treating mastitis with antibiotics only, there was a 50% cure rate, a cure being no udder bacteria present after treatment. When one treatment of Metacam was given, the cure rate increased to 66%. The first service conception rate was 31% in cows receiving Metacam at mastitis treatment compared to 21% when no Metacam was given. By 120 DIM the Metacam treated group had 40% pregnant versus only 31% in the non Metacam treated cows. The Metacam treated cows became pregnant with 2.43 services per conception compared to 2.92 services per conception in the mastitis cases that did not receive Metacam.

The conclusion from this trial is that cows given Metacam when being treated for clinical mastitis had a higher bacteriological cure rate and had improved fertility than cows that did not. This improved health and reproductive benefit justifies the cost of using Metacam in cows with clinical mastitis.

Boehringer is offering to subsidize milk culturing again this spring. With the purchase of Cefa Lak, Dry Clox and Cefa Dri, you will received \$1 per tube applied to the cost of culturing a milk sample. ***Please see the reverse for details.***

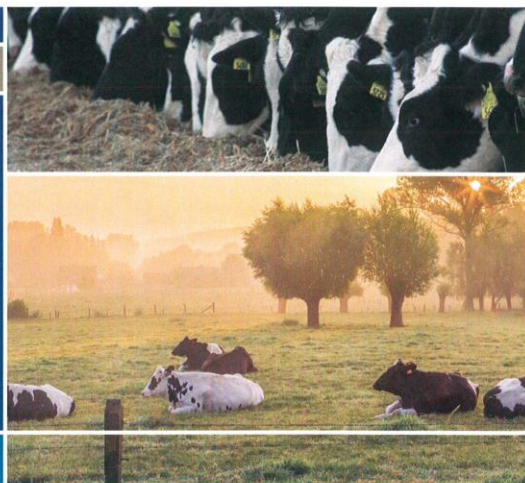
Rick

2016

Milk Culture TESTING PROGRAM

MARCH 1ST - JULY 31ST

BOEHRINGER INGELHEIM (CANADA) LTD.



An effective udder health and mastitis control program wouldn't be complete without identifying which pathogens are involved. Know your enemy, select an effective product that targets this enemy and consider using antimicrobials that are of lesser importance for the treatment of serious human infections. **This is a *prudent use of antimicrobials* approach.**

For every specially marked package of Cefa-Lak[®], Cefa-Dri[®] or Dry-Clox[®] purchased from March 1st to July 31st, receive **\$1.00 discount per tube*** applied on your milk cultures submitted before November 30th 2016.

**Discount of \$12.00 per single box, 2 x \$12.00 per value pack and \$144.00 per pails. Discount is redeemable only on milk cultures submitted to the Canadian veterinary clinic where products were purchased.*



Ask your veterinarian about the family of mastitis products from Boehringer Ingelheim.

For more information, please contact your Boehringer Ingelheim (Canada) Ltd. sales representative or call Customer Care at 1-800-567-1885. For technical support on any of our products, please call 1-877-565-5501.

**Boehringer Ingelheim (Canada) Ltd. reserves the right to amend this program at any time.*

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PREVENTION WORKS.