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*We will provide industry-leading, reliable, knowledgeable service, in a friendly, courteous and timely manner, to benefit our clients and the communities we serve.*

**Linwood Clinic Hours: Mon-Fri 7am – 5pm Sat 7am – 12pm**      **Hwy 89 Clinic: Mon-Sat 7am-1 pm**

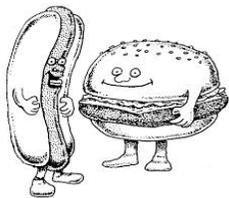
**NOTE: BOTH CLINICS ARE CLOSED SUNDAY**

Orders for Delivery: ***Please call BEFORE 9:30 am*** for same day local delivery Monday to Friday  
24 Hour Emergency Vet Service **1-800-663-2941**

## **August 2016 NEWSLETTER**

### **Clinic News**

There will be no delivery service on Labour Day, **Monday September 5<sup>th</sup>** and **on Monday October 10<sup>th</sup>** for Thanksgiving. Clinics will be open in the morning and on call vets available for emergencies.



**Customer Appreciation Lunch** is Wednesday Aug 17 at the Linwood clinic. Please join us between 11:30am and 1:00 pm in the shade, for burgers and sausages on a bun, salad, a cold drink, conversation, and cupcakes!

Online payment of your Linwood invoices through TelPay is now available. Please email us at [linwoodvet@linwoodvet.ca](mailto:linwoodvet@linwoodvet.ca) and we will forward instructions for TelPay to you.

Zoetis Producer Loyalty Program as of August 2016 will no longer include antibiotics, in an effort to maintain focus on prevention, and minimize risk of resistance through prudent use of this important tool.

The Waterloo County Cattlemen's is having their Annual Bus Trip , touring three Peterborough locations, feedlot, cow/calf operation, and a finishing barn on September 6<sup>th</sup>. Cost is \$35, lunch included. Pick up at Olex 6am and Linwood Vet 6:15 am. More information or to register : Brad Cober 519-503-1530 or Mike Edwards 519-501-8865

Jones Feed Mill- Beef Producer Meeting (Linwood Hall) August 23<sup>rd</sup> (10:30-2:30) Lunch provided.  
Topics: Pre-Harvest Silage Workshop, Feed Storage, Mixer Evaluations, Feed Audits  
Guest Speaker: Don Martell, Ruminant Field Technical Specialist, Diamond V  
RSVP: Jones Feed Mills 1-800-265-8735 by August 19<sup>th</sup>. Transportation available.

## **Acute Toxic Mastitis**

As summer got hotter and more humid the number of acute toxic mastitis increased substantially in our practice. This newsletter topic will explore detection, treatment, economics and most importantly prevention.

Acute toxic mastitis is caused by coliform bacteria, most often *e. coli*. Early signs of toxic mastitis include any of the following: off feed, decreased milk production, weak or unable to rise, temperature, dull, decreased milk production. More severe or later signs of toxic mastitis include: cool to the touch, low temperature, swollen hot quarter containing watery mastitis, down, weak, off feed, sunken eyes.

**Early detection** is key to successfully help a cow through a case of toxic mastitis. Off feed cows or cows which look 'off' should be monitored closely throughout the day for watery mastitis. Often, the watery mastitis may not be present for 12-24 hours after initial signs of a cow looking sick or going off feed.

**Treatment** ranges, depending on severity, individual farmer and vet preference. Treatment often includes the following: broad spectrum antibiotic given systemically, intramammary treatment like Spectramast LC or Special Formula, NSAIDs such as banamine or metacam, steroids, vitamins, calcium and fluid therapy. Fresh cow pickup can also be helpful. To further improve efficacy of treatment the affected quarter should be stripped multiple times per day.

**Economics.** We all know that mastitis costs us money to treat, and the loss of income for a week of waste milk dumped down the drain. What we don't always consider is the loss of future production, cows suffering moderate mastitis can produce 750L less milk per lactation due to mammary cell damage, severe cases can easily lose more. On top of all of this, the loss of a quarter or the loss of a cow can have a greater economic impact on your farms bottom line.

**Prevention** is the most important part of toxic mastitis. The most economical solution to toxic mastitis is to prevent it thus you have no treatment costs, no lost milk and most importantly no dead cows. Prevention is a two pronged attack with acute toxic mastitis.

1. Vaccination. Vaccine such as J-Vac ® are clinically proven to prevent severity of acute mastitis caused by *e. coli*. Vaccination won't prevent every case of *e. coli* mastitis but it will decrease the severity so the cow that was going to die will live and continue to be a productive member of your herd. Talk to your herd vet for a mastitis vaccination protocol to suite your farm.
2. Cleanliness. Clean cows, clean stalls, clean udders, and clean milking equipment.
  - a. Clean well bedded stalls +/- the use of stall lime to dry stalls out
  - b. Tail ties or trimming switches to keep cows clean
  - c. Scrape stalls often
  - d. Keep milking equipment clean and in good working order
  - e. Wear milking gloves
  - f. Prevent teat end damage by not overmilking cows
  - g. The use of orbeseal to prevent fresh cow toxic masititis

Overall, keeping your cows clean and dry will go a long way towards preventing acute toxic mastitis.