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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.*

St Clements Clinic Hours: Mon-Fri 7am to 5pm Open Saturday 7am-12pm

Hwy 89 Clinic Hours: Mon-Sat 7am to 1 pm

CLINICS ARE CLOSED SUNDAY and NO DELIVERY SERVICE SATURDAYS AND HOLIDAYS

Orders for Delivery: Please, call BEFORE 9:30 am, for same day local delivery Monday to Friday

24 Hour Emergency Vet Service - call 519-698-2610 519-323-9002 519-699-0404 1-800-663-2941

## **SEPTEMBER 2023 NEWSLETTER**

### **October Holiday**

**Monday October 9th** there will be no delivery service on Thanksgiving. Vet will be available for emergencies. Clinics will be open only in the morning for pick ups and early residue tests.

Boehringer Bovikal<sup>®</sup>] - \$40 per case for producers cheque rebate

\*Purchase Bovikal<sup>®</sup> through your Canadian veterinary clinic between **September 1, 2023 - October 31, 2023**. The deadline for proof of purchase submissions is November 30, 2023. Up to 10 redemptions per farm.

### **Mycoplasma bovis: You know? The disease with the droopy ear?**

Mycoplasma bovis also called M. bovis is a bacteria that lacks a cell wall, is extremely small in size and has the ability to self-replicate. M. bovis is most commonly seen or discussed on farms for its role in Bovine Respiratory Disease Complex. This pathogen commonly affects feedlot animals and young dairy/veal calves. However, the bacteria can be seen throughout all stages of cattle lives. In addition to causing significant pneumonia, M. Bovis can spread to the joints, causing an arthritis, the udder causing a mastitis, the inner ear causing an inner ear infection (which is why you see a droopy ear) and it can also travel to the eyes and brain.

*M. bovis* has the ability to replicate quickly when the body is immunocompromised, most commonly during periods of stress such as weaning, co-mingling transport and fluctuations in weather. The structure of this pathogen makes it resistant to most antibiotics, making it extremely difficult to treat.

With all that information in mind, wouldn't it be nice if there was a way in which we could prevent *M. bovis* from causing severe morbidity and mortality in our calves? Recently, two vaccines have been approved for use in Canada to combat the severity and shed of *M. bovis*; Protivity by Zoetis and MycoBAC by Bimeda/Solvat.

#### Protivity by Zoetis

- Modified Live Vaccine
- Mixed freeze dried vaccine that is mixed with sterile diluent
- 2mL subcutaneous injection
- Initial dose can be given as early as 1 week of age
- Booster after 21 days from initial dose
- Meat withdrawal is 21 days
- Annual vaccination has not been established for this product

#### MycoBAC by Bimeda/Solvat

- Inactivated Bacterin vaccine with prolonged release adjuvant
- Premixed vaccine
- 2mL dose subcutaneous injection
- 3 series booster vaccine: Day 0, Day 7 and Day 21
- Recommend switching sides of the neck with each booster
- Initial dose can be given at 1 week of age but recommend half the dose (1mL). Greater than 2 weeks old can receive a full dose.
- Meat Withdrawal is 60 days
- Annual vaccination has not been established for this product

Remember vaccination is not a silver bullet, limiting stress in calves' first year of life is essential. However, as Dr. Murray Runstedler would say an ounce in prevention is worth a pound in cure! Talk to your veterinarian today if you are concerned about *Mycoplasma bovis* on your farm.