

# Attica Veterinary Associates, PC

## September 2018 Newsletter



### Salmonella Dublin Meeting

Cornell Cooperative Extension is hosting a Salmonella Dublin producer meeting on Thursday, October 11, 2018 from 11:30am – 2:00pm at the Cornell Cooperative Extension building, 36 Center St Warsaw. The lecture will be delivered by Dr. Belinda Thompson from the Diagnostic Lab at Cornell University and is reportedly fantastic. Farms interested in attending **must** RSVP to the clinic by October 1. Please RSVP by phone at 585-591-2660 or by email to [atticavettech@yahoo.com](mailto:atticavettech@yahoo.com).

### Streamline Your Orders

To improve the ordering process, we can now accept orders via text message at 585-356-3420 or email [avacattltek@icloud.com](mailto:avacattltek@icloud.com). Please allow 12-24 hours for fulfillment.

### For Sale:

Badger BN950 Chopper Wagon. 16ft, 3m tandem running gear. \$5400.

Please call Robert Koithan at 716-807-1965.

# Get the Jump on Coronavirus Among Calves this Fall

Coronavirus is frequently associated with calf diarrhea and sometimes with pneumonia as well in our heifer calves. This virus is associated with “winter dysentery” among cows.

**How is this virus spread?** It is found in both feces and respiratory fluids from dams and from infected calves. Why be concerned now? There is evidence that fecal shedding from cows is higher in the fall season while also peaking in cows at the time of calving. Also, infected calves not only shed heavily during active infection but can continue to shed the virus particles after infection, for two or more weeks after clinical symptoms disappear. This means that calves who do not appear sick may be shedding. Closed up calf barns in the fall are ideal environments for high transmission rates.

## Reducing Infection Rates

1. **Reduce shedding.** Controlling stress is a key factor in maternity cows. All the usual good management rules apply such as adequate resting space, adequate feed bunk space, and minimizing pen moves before calving. Among calves, again, the best management practices contribute to robust health suppress shedding – for example, these practices are excellent colostrum management and seasonally-adequate nutrition to promote strong anti-viral immunity. Monitor colostrum-based immunity levels – have your vet (or vet-tech) take blood samples from 1-7 day-old calves to show how well colostrum management is working. September-October are key months to confirm blood serum total protein levels – Test, don’t guess!
2. **Reduce transmission.** Keep calving pens well ventilated. Minimize the time newborn calves are exposed to high-shedding adult cows (that is, cows who are close up or just calved). Keep air exchange rates seasonally-adequate in calf barns – don’t be fooled by cooler weather that calf barns need to be closed up, resulting in stale, moist and virus-loaded air. Cooler weather allows the virus to live longer – sometime as long as 3 days. Fecal-oral transmission is always a threat. It can happen in the calving pen – especially if a newborn calf licks the hair coat of an adult cow. It can happen among hutches as care givers carry calf manure from hutch to hutch. Nasal discharge and saliva carry the virus – especially on calf feeding equipment, too.

## Tips for effective cleaning of feeding equipment

1. Rinse with lukewarm water before washing.
2. Wash with a high pH alkaline chlorinated detergent in water over 120F. Liquid detergents like the ones used for washing parlor pipeline work fine. Or, a dry powder detergent will work well (1oz. to 2gal water) (e.g., Super Kleenite). Remember, household liquid detergents are less effective in cutting biofilms than these because they do not create as strong an alkaline solution as the other detergents.
3. During high risk periods (e.g, Fall season) we suggest disinfecting just-cleaned equipment with a strong chlorine rinse (e.g., household bleach at 5oz. bleach to 5gal water) or even stronger chlorine dioxide solution. We have shelf-stable chlorine dioxide tabs at the vet clinic. Or, any of the “oxy” brand disinfectants that require blending ingredients will also work.

[www.calfacts.com](http://www.calfacts.com) and scroll down to “Washing Milk Containers” for both a checklist and protocol in English and Spanish.