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Greetings!

This is a Swine Services Unlimited Inc. Quarterly Newsletter being generated to help better enlighten our swine producers on what is occurring in the swine industry.

Swine Health:

The hot topic continues to be focused towards PEDV (Porcine Epidemic Diarrhea Virus). This is a new virus first discovered in the U.S. in April, 2013. <u>PEDV has been diagnosed in 30 states with a total of 5,509 positive cases throughout the U.S.</u> Clinically it causes severe watery diarrhea and vomiting in all ages of pigs with extremely high mortality in suckling piglets.

Currently there are two unrelated strains of PEDV and a new virus that is in the same family as PEDV called swine deltacoronavirus. All three of these viruses produce a similar clinical disease of watery diarrhea and vomiting, but it is thought to have no cross protection between them.

The best way to deal with PEDV or swine deltacoronavirus is to avoid getting infected by practicing impeccable biosecurity. <u>Major areas of potential entry are infected or previously infected pigs, contaminated feed, equipment or transport vehicles. Make sure to do a Vet-to-Vet if you are purchasing any new animals, remove any porcine by-products from feed and make sure all transport vehicles are thoroughly cleaned, disinfected and dried prior to returning to the farm.</u>

Swine Production:

With record high market hog prices and decreased feed prices the industry continues to strive for more pigs produced/sow/year and finding ways to reduce overall pig mortality. <u>Benchmarking data collected from 760 farms demonstrated that the top 10% of farms weaned 11.77 pigs/sow farrowed and the bottom 25% was at 9.67 pigs/sow farrowed (2.1 pigs/sow less). Keeping wean to finish mortality low is extremely important when you consider that each percent in mortality can cost between $1.12 to $3.50/pig.</u>

New Services at SSUI:

Sow and wean to finish record services using PIGKNOWS online software. SSUI provides the data entry, record analysis and you have 24/7 online access to how your farm is performing. In order to strive forward as a successful operation it is imperative to understand what is occurring on your farm and how you can continue to improve your overall production. <u>For more information, please call Dr. Adam regarding options available and how the program works.</u>

New Health Products Available:

As new challenges arise, SSUI works towards providing producers with the most innovative and cost effective products available to the swine industry.

DLI (Diluted *Lawsonia intercellularis*) – The National Animal Health Monitoring Service (NAHMS) report has indicated that 96% of U.S. are positive for *Lawsonia intercellularis* (bacteria that causes ileitis) with 28% being seropositive (clinically infected). It has been estimated that ileitis can cost between $3 to $12 per affected pig, depending on the severity of the disease. <u>Dr. Nathan Winkelman here at SSUI created and patented DLI vaccine in 2012. DLI vaccine is used to aid in the prevention of ileitis. For more information call Dr. Nate or Dr. Adam.</u>

Siloxycide (Combination of Hydrogen Peroxide and Silver) – This is a product ran in the water for cleaning and disinfecting water lines with or without animals present. It has also been demonstrated to have ant-viral activities against PEDV. Pigs will consume roughly 10-11% of their body weight in water daily and any decrease due to poor water quality can lead to an overall decreased performance.

Grazix (Flavoring Solution for Livestock) – Grazix is a natural product containing plant phenols and is labeled as a flavoring agent to promote hydration. This product can be given as an individual oral dose or in a stock solution to help promote hydration and reduce diarrhea.

Thanks to all our producers and we at SSUI wish you all a Happy Easter!