
"HOGG SENSE".....

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Cystitis-Pyelonephritis in Sows: Commonly associated with *E. coli* and *Eubacterium suis* (formerly *Corynebacterium suis*). Treatment/prevention: top-dress 2 ounces of citric acid on each sows feed/per day/for 2 weeks post-weaning. Buy citric acid in 50 lb. bags. Cost per sow: \$1.75. Treatment: Inject ampicillin (200 mgm./ml), one ml/ 20 lbs body weight. Common cause: Not enough intake of water. Gilts accustomed to water nipples during grow/finish may not learn to drink from shallow troughs in gestation crates. Diagnosis of low water intake: collect urine samples, dark yellow color and higher than normal total solids indicates low water intake. (Phillip Hardenburger, DVM, Crete, NE., 68333).

Analytical Variations in Nutrient Analyses: Veterinarians should be aware of laboratory variation when using analyzed values to check calculated values of feed. The variations for commonly tested nutrients are: crude protein +/-3%; lysine +/-10%; calcium +/-22%; phosphorus +/-12%; and zinc +/-20%. Be sure to follow proper sampling procedures (i.e., take 10 or 12 small samples directly from 10 or 12 feeders and place them in one plastic bag). Don't jump to the conclusion that there is a feed quality problem unless the analytical value falls outside the normal range. (Duane E. Reese, PhD, Ani. Sci., UN-L, Swine Health Management, June 2, 1994, p. 23).

On-set of Puberty in Gilts: There is a wide variation in the percentage of confinement reared gilts reaching puberty by 8-9 months of age according to breed. The proportion of gilts exhibiting normal estrus at 8 1/2 months in five breeds is: Large White 86%; Landrace 78%; Hampshire and Duroc 71%; and Yorkshire 56%. A higher percentage of gilts raised in dirt lots show regular estrus activity than gilts raised in confinement. Transportation and mixing stress increases the number of gilts having estrus. (B. Straw, DVM, PhD, Un-L, Ext. Newsletter, ISU, July 1993).

Submitting Specimens for Diagnosis: Fixed tissues: use large mouth containers, use a ratio of 1:10 or more of formalin to tissue, don't freeze tissues for histopath. (Drs. Davis and Payeur, NVSL, USDA, Ames, Iowa).

People Problems: Paul Hemsworth has demonstrated that fear response accounts for 20% of the variability in fertility between herds. Modifying a person's behavior can increase productivity by a pig/sow/year. (Ross Cutler, DVM, Australia Dept. of Agriculture, National Hog Farmer, May 15, 1992).