



Beef Tech-Line



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Aureo S 700[®] in Starting Rations

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Nutritionists, veterinarians and feedlot managers debate the merits of various medications in starting cattle diets. The topic is worthy of debate because many medications and combinations are available and differentiating between them can be confusing. The good news is that all of the FDA approved starting feed medications do what they are claimed to do and can be used effectively in starting programs. There is no one best medication for starting cattle. Your choice depends on the age of cattle, amount of stress, amount of comingling, previous medications, previous health experience in the feedlot and personal bias. This Tech-Line discusses the merits of Aureo S 700 in beef feedlot starting programs.

Aureo S 700 has been used effectively for decades in cattle starting diets and continues to perform well. Aureo S 700 is commonly referred to as simply AS700. Aureo S 700 is a combination of Aureomycin[®] (chlortetracycline) and Sulfamethazine. Each medication is supplied at 350 mg/head/day. The combination of both medications adds up to 700 mg/head/day thus the name AS700 or Aureo S 700. Aureo S 700 utilizes the concept of antimicrobial synergy. The combination of Aureomycin and Sulfamethazine together is more effective than either medication is individually.

Aureo S 700 is FDA approved "As an aid in the maintenance of weight gains in the presence of respiratory disease such as shipping fever." The approval is for a 28 day feeding period and there is a 7 day slaughter withdrawal. Aureo S 700 works by inhibiting the growth of bacteria allowing the animal a chance to mount an immune response and overcome the infection.

Aureo S 700 programs supply a moderate level of synergistic antimicrobials for an extended period of time. Ideally Aureo S 700 is started before animals become ill and continues until the stress period is over.

Advantages of an Aureo S 700 program include:

- The program is offered over the entire high risk time period. It does not require trying to guess when the animals may become ill. The medication can be started immediately upon arrival at the feedlot allowing animals time to get started on the medication before disease stress is greatest and while they are still on feed.
- Decades of success – a proven track record.
- The synergistic antimicrobial effect allows for small amounts of medication to have a large affect on animal health.
- Broad spectrum effectiveness.
- Aureo S 700 has been shown to reduce lung lesions caused by *Haemophilus somnus* by 88%.

Aureo S 700 can be included in a StressGuard Starting Feed or can be added as a crumble. Some feeding programs gradually phase out the starter feed and phase in the grow/finish concentrate. Crumbles work best for that type of starting program. The crumbles can be included in the ration at the same amount each day regardless of the amount of starter supplement supplied.

Aureo S 700 is a good choice:

- For a standard starting program
- If respiratory disease is a concern
- If you don't know when the cattle will break with respiratory disease
- For transition periods when started cattle are moved and/or comingled

There is no single best medication program for getting beef cattle started on feed. Aureo S 700 is effective in a wide variety of situations and is a good choice if you are unsure about what medication to use. Please contact your Hubbard representative if you have questions regarding beef starting feeds or starting medications.