

# SarTec®

www.sartec.com 1-800-472-7832

## 3-Step Yucca Based RSF Program

(Receiving - Starting - Finishing)

**Step 1: SarStart® Drench** - 50 cc drench at receiving time

**Step 2: SarStart® DSC or LSC** - Feed 1.0 gram/head/day for 28 days (or 2.0 cc/head/day of SarStart® LSC)

**Step 3: 3 options for adding to your total mixed ration (TMR):**

1. SarStart® DSC at 0.5 gram/hd/day\*
2. SarStart® LSC at 1.0 cc/hd/day\*
3. SarTemp® at 5.5 oz/ton TMR\*

*\*for the remainder of the feeding period*

Your local SarTec representative:

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“The rumen protozoa reduce the efficiency of fermentation in the rumen, and increases in animal performance often occur when the protozoa are removed (a process called defaunation). **Yucca saponins are effective in suppressing rumen protozoa**, again by reacting with cholesterol in the protozoal cell membrane, causing it to lyse (break open).”

<http://lpi.oregonstate.edu/sp-su98/saponins.html>, Peter R. Cheeke, Ph.D. Professor of Comparative Nutrition OSU/LPI Affiliate Investigator.

“Sarsaponin, a steroidal glycoside of sarsasapogenin, derived from *Yucca shidigera*, is the principal active ingredient in the surfactant used to temper the corn in this study. **Increases in ruminal microbial efficiency have been a consistent response to sarsaponin supplementation of growing-finishing diets for feedlot cattle** (Grobner et al., 1982; Zinn et al., 1983; Zinn, 1988). This effect of sarsaponin on microbial efficiency may be **attributed to its antiprotozoal activity** (Valdez et al., 1986; Lu and Jorgensen, 1987; Klita et al., 1996).” R.A. Zinn, E.G. Alvarez, M.F. Motano, A. Plascencia, and J.E. Ramirez, J. Animal Sci. (1998) 2239-2246.

# Feedlot Operators Observations of SarTec's RSF Program

(Concerning SarStart Plus) "I like using this product for two reasons. First, high-risk **cattle go to the bunk to eat right away**. Second, I feel that it **helps their immune system fight sickness**, which reduces my death loss." (Concerning SarStart DSC) "I like starting calves with this product because **calves start eating right away**. I can shorten my start-up time, which helps me get the calves on a better ration a lot faster. I also like using it for fat cattle that are losing consumption while waiting to be marketed."

- **Irving Yeager, Yeager Feedlot**

"By using the SarTemp grain conditioner, **we don't hardly have any bloat** but when we do, the boluses work good. All our stressed and long haul cattle get the drench (SarStart Pro) at receiving. I've run tests time and time again and **have seen a big difference**. I've even used it on gaunt cattle in the sick pen and it helps get them back to eating and drinking quicker. Drenches come and go but I think this one is here to stay; I wouldn't keep using it if didn't work good."

- **Maynard Burl, Lakin Feeders**

"I feel the product (SarStart Plus) helps me start the calves and it's a product worth giving. **It helps get the calves to the bunk and eating.**"

- **John Herrmann, CJ Feeders**

"Last summer told the story. The loads of incoming cattle that we drenched (SarStart Plus) got on feed right away where the others didn't. It is well worth the benefit. We also give it to cattle in the sick pen. On the sale barn cattle, you can definitely tell the difference. **We now give it to all our cattle at receiving.**"

- **Chris Foote, Bouziden Cattle**

"We use it (SarStart Plus) routinely on incoming, high-stress calves and feel that **we're getting off to a better start** than in previous years."

- **Bill Nicholas, 5N Feeders**

"We use the higher dose and **have seen a reduction of bloat and quicker adaptation to their ration**. We're able to get our cattle up to the final ration quicker than we did before we started using SarTemp. We use it (SarStart Plus & SarStart Pro) on any high-stress cattle and weaning calves at receiving and again when we revaccinate 7 days later. We feel the drench **increases their appetite** so they more readily come to the bunk; they eat better and drink better."

- **Jeff Sibley, Fowler Feeders**

"I mostly use it (SarStart Plus) on unweaned calves and it definitely **seems to keep them eating well**. The probiotics keep the rumen flora and bacteria going."

- **DJ Edwards, DJ Edwards Cattle**

"We use the higher dose and it (SarTemp) **makes a big improvement in flaking the corn**; about a 50% improvement over the (previous) product. I also believe **it has helped with daily gain**. We had several pens of heifers that gained 4.2 lbs./day and several pens of steers that gained 4.6 lbs./day; normal is about 3.5 - 3.6 lbs./day."

- **Mike Jones, Flint Hills Feed Lot**

"SarStart Pro seems to get the high stress cattle we handle up to the bunk faster. **Consumptions are better** in the first 2 weeks than we are used to in high-risk calves."

- **Brian Price, Brookover Ranch Feedyard**