



REBUILD. RESTORE. RENEW.

## NEWS RELEASE

### Contact:

Lindsey Beedle  
Christie Communications  
805.969.3744  
[lbeedle@christiecomm.com](mailto:lbeedle@christiecomm.com)

Wayne Tucker  
Bio S.I. Technology  
866.393.4786  
[wayne@biositechnolgy.com](mailto:wayne@biositechnolgy.com)

### Stop Livestock Health Concerns before They Become Human Ones

Implementing Bio S.I.'s Jackpot probiotic formula in livestock nutrition boosts digestive health

**Justin, TX – April 2013** – As far back as 2010, the U.S. Food and Drug Administration recognized the critical concern that routine use of antibiotics in livestock production would become a major threat to the public's health. They initially called for livestock operations to voluntarily reduce their dependence on feeding small doses of antibiotics to entire herds and flocks, but an FDA report from February 2013 indicates that antibiotic sales for livestock have been on the rise.<sup>1</sup> Specializing in microbial soil amendments, Bio S.I. Technology ([www.biositechnology.com](http://www.biositechnology.com)) created their Jackpot Livestock Probiotic formula to restore healthy levels of these naturally-occurring, beneficial microbes in livestock digestive systems which may help reduce the use of antibiotics overall. This will also help reduce public concern about overuse of antibiotics.

The reasoning behind the prophylactic use of antibiotics on healthy animals is to prevent the proliferation of disease in crowded livestock operations and as an inexpensive aid to increase animal growth. The future costs of this method could far outweigh the momentary benefits when the persistent use of low-dose antibiotics has the potential to create drug-resistant strains of bacteria. These alarming findings have prompted a growing interest in the alternative approach of substituting probiotics for the sub-therapeutic levels of livestock antibiotics used.<sup>2</sup> The primary benefit that can be derived through the ingestion of probiotics such as Bio S.I.'s Jackpot formula is the addition of beneficial gastrointestinal microbes which helps reduce intestinal problems in stressed livestock. Beneficial microbes like these are found in healthy soil and ingested by the animals when grazing. These microbes help to maintain an animal's digestive system. However, livestock that are kept in crowded close quarters are unable to naturally sustain healthy levels of beneficial bacteria due to the stress of being moved and the change in environment.

Bio S.I.'s proprietary Jackpot formula contains the necessary beneficial microbes to keep livestock's digestive systems working, healthy, and may reduce the reliance on low-dose antibiotics. Jackpot can be added directly to animals' drinking water or sprayed onto feed; these beneficial microbes increase nutrient uptake by providing the digestive system with enzymes that can convert the animal's diet into usable nutrients. Jackpot may help reduce the use of prophylactic dosages of antibiotics in nutrition regimens. There are certain stressful conditions in which the Jackpot formula can be used effectively to help reduce animal gastrointestinal problems with an application of Jackpot prior to shipping, moving the animals to a new location, or putting them in high density

<sup>1</sup> <http://www.latimes.com/news/opinion/editorials/la-ed-antibiotics-livestock-fda-report-20130228,0,7618023.story>

<sup>2</sup> <http://fapc.okstate.edu/news/flash/2004/probiotics.html>



REBUILD. RESTORE. RENEW.

holding pens where they become stressed and stop eating. Also, apply Jackpot after antibiotic use and worming treatments to restore beneficial microbes killed by these treatments.

Bio S.I.'s Jackpot formula is safe for use in cattle, hog, poultry, and all other livestock operations.

They have also developed the Jackpot II formula, which is made for equine use. Jackpot formulas are available for purchase in pints, quarts, gallons, 2.5 gallons, 5-gallon pails, and 55-gallon drums or totes. Larger orders can be delivered upon request.

### **About Bio S.I. Technology**

Bio S.I. Technology, LLC is a USDA BioPreferred™ member and includes a team of experts who have over 20 years of experience producing microbial products. Bio S.I. produces a variety of microbial products including Bio S.I. Turf Formula, Turf Select, Lawn & Garden Formula, Lawn & Garden Select, Agriculture Formula, Pond Formula, Septic Cleanser Formula, Remediation Formula and JACKPOT, a new pro-biotic product which brings the naturally beneficial soil borne microbes found in nature to animals. For more information about Bio S.I. Technology, or to purchase their cutting-edge formulas, please visit [www.biositechnology.com](http://www.biositechnology.com).

If you would like further information, images, or would like to schedule an interview with Wayne Tucker, President of Bio S.I. Technology, please contact Lindsey Beedle via email at [lbeedle@christiecomm.com](mailto:lbeedle@christiecomm.com) or by phone at 805-969-3744.