Bovine somatotropin (bST) is a naturally occurring protein hormone in cows. bST helps young cattle grow and adult cows produce milk. A small amount of this hormone is naturally present in all milk, including organic products. When you drink milk, bST is completely broken down by digestion like any other protein.

Some dairy farmers may use a synthetic version of bST, known as rbST or BGH, to increase milk production. rbST is not added to the milk itself. The use of supplemental bST was approved by the Food and Drug Administration (FDA) in 1993 based on an exhaustive review of scientific studies.\(^1\)

Dairy farmers who use rbST say it helps boost their herds’ milk production, which can benefit their businesses and help ensure a plentiful milk supply for the public.\(^7\) According to U.S. Department of Agriculture (USDA)’s Animal and Plant Health Inspection Service (APHIS), about 15% of U.S. dairy farmers choose to use rbST with their herds, accounting for 20-25% of cows.\(^8\)

All milk naturally contains minute amounts of hormones, and science shows that there is no significant difference in hormone levels between organic and regular milk.\(^9\)\(^{-21}\) In fact, in the first peer-reviewed study comparing conventional milk, milk labeled “rbST-free” and organic milk, researchers found that the composition of the milk itself was essentially the same, despite the use of different production practices on the farm.

Over the last 20 years rbST has been heavily researched, and separate reviews by the National Institutes of Health (NIH), the joint World Health Organization/Food and Agriculture Organization Committee (WHO/FAO), the American Medical Association (AMA) and the American Dietetic Association (ADA) have all supported the FDA’s position that milk from rbST-supplemented cows is safe.\(^1\)\(^{-6}\)

The dairy industry supports choices in the dairy case, and some farmers, manufacturers and retailers will support different types of production that may or may not include the use of rbST. But it’s important to understand that carton to carton, bottle to bottle, all milk is wholesome, safe and nutritious. All milk contains the same combination of nutrients that makes dairy products an important part of a healthy diet.

**Additional Resources**
- Dairy Farming Today: [www.dairyfarmingtoday.org](http://www.dairyfarmingtoday.org)
- FDA’s position on the safety of rbST: [www.fda.gov/cvm/RBRPTFNL.htm](http://www.fda.gov/cvm/RBRPTFNL.htm) or [www.fda.gov/bbs/topics/ANSWERS/ANS00564.html](http://www.fda.gov/bbs/topics/ANSWERS/ANS00564.html)
- Cornell University rbST fact sheet: [www.cfsan.fda.gov/%7Eear/CORBST.html](http://www.cfsan.fda.gov/%7Eear/CORBST.html)
References
1. www.fda.gov/cvm/RBRPTFNL.htm
4. www.cfsan.fda.gov/~ear/CORBST.html

Scientific Status Report - #19
www.aphis.usda.gov/vs/ceah/ncahs/nahms/dairy/dairy02/Dairy02BST.pdf
12. Malekinejad, H., P. Scherpenisse, and A.A. Bergwerff. Naturally occurring estrogens in 
18. Technology Assessment Panel. NIH Technology Assessment Conference statement on bovine 
19. U.S Congress, Office of Technology Assessment, U.S. Dairy Industry at a Crossroad: 
    somatotropin: safety and benefits of these biotechnologies. Journal of the American Dietetic 
21. Vicini J. et al. Survey of retail milk composition as affected by label claims regarding farm-

Contact Dairy Management, Inc. at 800-853-2479/ 
www.nationaldairycouncil.org for more information