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Annotated Bibliography of Sustainable Agriculture and Biotechnology

The environmental impact of dairy production: 1944 compared with 2007. Journal of Animal Science,Capper, J. L., Cady, R. A., Bauman, D. E. 2009; 87 (6): 2160 DOI: 10.2527/jas.2009-1781 *(reduced carbon footprint in dairy production)*

New York Times **Don't Cry Over rBST Milk** June 29, 2007

"Antimicrobial Resistance: Implications for the Food System." Doyle et al., Institute of Food Technologists Comprehensive Reviews in Food Science and Food Safety, Vol.5, Issue 3, 2006ter for Molecular (*safety of pharmaceutical technologies in food production in relation to antibiotic use in livestock)*

"Microbiological Quality of Ground Beef From Conventionally-Reared Cattle and "Raised without Antibiotics" Label Claims" Journal of Food Protection, July 2004,Vol 67 Issue 7 p. 1433-1437 *(factors other than the sub therapeutic use of antibiotics in beef production contribute to antimicrobial resistant bacteria in ground beef)*

San Diego Center for Molecular Agriculture: Foods from Genetically Modified Crops (pdf) *(summary of environmental and health benefits of biotechnology)*

''Hybrid Corn.'' Abelson, P.H. (1990) Science 249 (August 24): 837. *(improved diversity of crops planted)*

Enterprise and Biodiversity: Do Market Forces Yield Diversity of Life?
David Schap and Andrew T. Young Cato Journal, Vol. 19, No. 1 (Spring/Summer 1999) *(improved diversity of crops planted)*

A Meta-Analysis of Effects of Bt Cotton and Maize on Nontarget Invertebrates.
Michelle Marvier, Chanel McCreedy, James Regetz, Peter Kareiva
Science 8 June 2007: Vol. 316. no. 5830, pp. 1475 – 1477 *(reduced impact on biodiversity)*

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Comparison of Fumonisin Concentrations in Kernels of Transgenic Bt Maize Hybrids and Nontransgenic Hybrids. Munkvold, G.P. et al . Plant Disease 83, 130-138 1999. *(Improved safety and reduced carcinogens in biotech crops)*

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"Why Spurning Biotech Food Has Become a Liability.' Miller, Henry I, Conko, Gregory, & Drew L. Kershe. Nature Biotechnology Volume 24 Number 9 September 2006. (*Health and environmental benefits of biotechnology)*

Genetically Engineered Crops: Has Adoption Reduced Pesticide Use?Agricultural Outlook ERS/USDA Aug 2000 *(environmental benefits)*

GM crops: global socio-economic and environmental impacts 1996-2007. Brookes & Barfoot PG Economics (summary) report (actual report)*(environmental benefits of biotech: reduced pollution, improved safety, reduced carbon footprint)*

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'Association of farm management practices with risk of *Escherichia coli* contamination in pre-harvest produce grown in Minnesota and Wisconsin.' International Journal of Food Microbiology Volume 120, Issue 3, 15 December 2007, Pages 296-302 *(comparison of E.Coli risks and modern vs. organic food production methods)*

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Lessons from the Danish Ban on Feed Grade Antibiotics. Dermot J. Hayes and Helen H. Jenson. Choices 3Q. 2003. American Agricultural Economics Association. *Ban on feed grade sub-therapeutic antibiotics lead to increased reliance on therapeutic antibiotics important to human health.*

Does Local Production Improve Environmental and Health Outcomes. Steven Sexton. Agricultural and Resource Economics Update, Vol 13 No 2 Nov/Dec 2009. University of California.