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| 1. Record Nr. | UNINA9910303435803321 |
| Titolo | Food Safety Economics : incentives for a safer food supply // Tanya Roberts, editor |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing, , 2018 |
| ISBN | 3-319-92138-X 9783319921389 |
| Edizione | [1st ed. 2018.] |
| Descrizione fisica | 1 online resource (ix, 411 pages) |
| Collana | Food microbiology and food safety |
| Classificazione | 56.24.24 |
| Disciplina | 664.00289 |
| Soggetti | Agricultural economics Food—Biotechnology Microeconomics Public health Health economics Microbiology Agricultural Economics Food Science Public Health Health Economics Food Microbiology food safety public health case study agricultural economics biotechnology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Part 1 -- Food Safety Applied Economics: Economic Incentives in Regulations and in the Private Sector -- Overview of Food Safety Economics -- Information Is the Basic Problem for Economic Incentives -- Supply Chain Control, Principal-Agent Theory, and International Challenges HACCP Implementation, Economic Incentives, and |

Benefit/Cost Analysis: U.S. Meat and Poultry -- Economic Impact of Posting Restaurant Ratings: UK and US Experience -- Part II. Economics of Foodborne Illness Metrics: When to Use What -- Overview of Estimates and Use by Private Companies and Public Policy Analysis - Robert Scharff, Arie Havelaa -- Burden of Disease for Cost Effectiveness Analysis -- Cost of Illness and DALY Methods and Applications -- Identification of Acute Foodborne Illnesses and Their Long Term Health Outcomes -- Part III Case Studies in Applied Food Safety Economics -- Economic Incentives of Product Testing: U.S. Beef -- Surveillance of Campylobacter in New Zealand -- Outbreak Consequences: Sweden's Salmonella Testing from Farm to Fork -- Economics of Antibiotic Use in Swine and Poultry Production -- The Role of Surveillance in Regulations and in Promoting Economics Incentives -- Economic Incentives for Capacity Building in Food Safety -- Pathogen Information and Supply Chain Performance: Costs and Benefits -- Legal Liability Changes for Food Safety in the United States and Selected Countries -- The Challenges and Promise of GFSI in International Markets -- Part IV. The Future of International Food Safety: Economic Incentives, Risks, GFSI, WTO, and Country Regulations.

Sommario/riassunto

This book examines the economic incentives for food safety in the private marketplace and how public actions have helped shape those incentives. Noted contributors analyze alternative public health protection efforts and the benefits and costs associated with these actions to understand: why an excess of foodborne illness occurs what policies have worked best how regulations have evolved what the path forward to better control of pathogens in the U.S. and the international food supply chain might look like While the first third of the book builds an economic framework, the remaining chapters apply economics to specific food safety issues. Numerous chapters explore economic decision making within individual companies, revealing the trade-offs of the costs of food safety systems to comply with regulations, vs. non-compliance which carries costs of possible penalties, reputation damage, legal liability suits, and sales reduction. Pathogen control costs are examined in both the short run and long run. The book's unique application of economic theory to food safety decision making in both the public and private sectors makes it a key resource for food safety professionals in academia, government, industry, and consumer groups around the world. In addition to Benefit/Cost Analysis and economic incentives, other economic concepts are applied to food safety supply chains, such as, principal-agent theory and the economics of information. Authors provide real world examples, from Farm-to-Fork, to showcase these economic concepts throughout the book.
