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Collana	Frontiers of economics and globalization, , 1574-8715 ; ; v. 17
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Soggetti	Food security Food supply Business & Economics - Development - Economic Development Development economics & emerging economies
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Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Prelims -- Assessing the impact of agricultural R&D investments on long-term projections of food security -- The nexus of dietary guidelines and food security -- Food security through biotechnology: the case of genetically modified sugar beets in the united states -- What would happen if we don't have GMO traits? -- Climate change and food security: threats and adaptation -- Climate change and food security: Florida's Agriculture in the coming decades -- Vegetable production, diseases, and climate change -- U.S. Agricultural policy: impacts on domestic and international food security -- Sugarcane yields and production: Florida and Louisiana -- Aquaculture: its role in the future of food -- Food security and the Food Safety Modernization Act -- Agricultural biotechnology and food security: Can CETA, TPP, and TTIP Become venues to facilitate trade in GM products? -- Assessing food security in Ethiopia -- The coffee-food security interface for subsistence households in Jimma Zone Ethiopia -- Assessing food security in rural Bangladesh: The role of a nonfarm economy -- Food costs during the food crisis: the case of Tanzania -- Food loss and waste as an economic and policy problem -- Index.
Sommario/riassunto	World agricultural resources will be altered by climate change which will

require both public and private actions. Global agriculture is affected by invasive alien pest and disease species and by severe weather such as sea-level rise flooding and drought. Rising sea levels will increase salinity in coastal groundwater and the loss of coastal wetlands. Drought will increase the vulnerability of forest ecosystems due to decreased soil moisture and increased evapotranspiration. Many changes will be needed to maintain global food security. Climate change will affect food supply and demand, as well as prices. Research and development have the potential to impact both supply and demand, especially through the adoption of biotechnology. Researching plant and animal breeding for multiple disease resistance against pathogens of global relevance has great evolutionary potential. One such program is aquaculture. Another problem is land constraints as rural and urban areas compete for land. For rural food-insecure households, land competition means necessary changes in production practices. Research and development investments could substantially decelerate food prices to prevent hunger and deteriorating living standards in rural households worldwide. Increasing food security will mean establishing dietary guidelines that alleviate the negative health and economic outcomes associated with malnutrition. It is highly questionable to aggregate all food items based solely on calories per kilogram content when not all calories are equal in their effect on health. Food security also includes increasing diet diversity while decreasing food waste and loss. It is imperative that actions be taken for a food-secure future.

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