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ISBN	1-282-76132-3 9786612761324 981-4282-11-1
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Collana	IISc centenary lecture series ; ; v. 3
Altri autori (Persone)	BorlaugNorman E <1914-2009.> (Norman Ernest)
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Contents; Dedication; Acknowledgment; Foreword; About the Editor; Introduction; Combining Yield and Quality in Rice; Economics of Pusa Basmati 4 cultivation;; Area under Pusa 1121 cultivation during Kharif 2007;; Release of Pusa 1121 in Punjab;; State of Indian Agriculture Today and the Way Ahead; Defending the Gains; Overcoming the Technology Fatigue; Training; Techno-infrastructure; Trade; References; Section I: Food Security and Economic Development - How science is applied to solve problems of poverty, drought and famine; Commentary 1. Swaminathan, M.S. (1983). Agricultural Progress - Key to Third World Prosperity. Third World Quarterly 5(3): 553-566.2. Swaminathan, M.S. (1990). Changing Nature of the Food Security Challenge: Implications for Agricultural Research and Policy. Sir John Crawford Memorial Lecture (Consultative Group on International Agricultural Research (CGIAR), Washington DC.; Food Security Challenges Today; Technology and Food and Ecological Security; Response to the Challenges Ahead; Biotechnology: Opportunities; Biotechnology and Third World Concerns;

Biodiversity and Biofuture; Food and Jobs

Research for Tomorrow3. Swaminathan, M.S. (2001). Bridging the Nutritional Divide - Building Community Centred Nutrition Security Systems. The Little Magazine, Year end, 2001 , pp. 15-25.; GROWING DISPARITIES; NUTRITION PROFILE AMONG A FEW NATIONS IN ASIA: ROLE OF NON-NUTRITIONAL FACTORS; CHALLENGES AHEAD; MEETING THE CHALLENGES; BUILDING A SUSTAINABLE COMMUNITY NUTRITION SECURITY SYSTEM; AGENDA 2007: A HUNGER-FREE INDIA; REFERENCES; 4. Swaminathan, M.S. (2004). Africa's Rainbow Revolution. TWAS Newsletter 3/4, 10,72-76.; ACTION

5. Sanchez Pedro, A. and Swaminathan, M.S. (2005). Hunger in Africa: The Link Between Unhealthy People and Unhealthy Soils. The Lancet - Vol. 265, Issue 9457,29 January 2005,442-444.Understanding Africa's food productivity crisis; Time for a 21st century green revolution for Africa; Contributors; Acknowledgments; References; 6. Sanchez Pedro, A. and Swaminathan, M.S. (2005). Cutting World Hunger in Half. Science 307(5708): 357-359.; Diagnosis; Recommendations; Entry Points; Resources Needed; It Can Be Done; References and Notes

7. Swaminathan, M.S. (2007). Can Science and Technology Feed the World in 2025? Field Crops Research 104: 3-9.Technology; Training; Techno-Infrastructure; Trade; Shaping our Agricultural Future - A three pronged Strategy; Defending the Gains; Extending the Gains; Making New Gains; References; 8. Parry, Martin L. and Swaminathan, M.S. (1992). Effects of Climate Change on Food Production. Confronting Climate Change: Risks, Implications and Responses. Irwing, M, Montzer (ed.) Cambridge University Press, pp. 113-115.; Editors Introduction; 1. Introduction

2. The Most Threatening Types of Climate Change

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## Sommario/riassunto

This book provides a roadmap for achieving sustainable agricultural advance and food security in an era of climate change and global economic melt-down. The contents include a description of the paradigm shift under the leadership of the author, from a green to an ever-green revolution necessary for advancing productivity in perpetuity without ecological harm. Science and Sustainable Food Security shows many methods of linking ecological security with livelihood security, and provides a scientific basis for entering an era of biohappiness based on the sustainable and equitable use of biodiversity. Also, methods of adaptation to the impact of global warming are described. This book will prove invaluable to all interested in sustainable human security and happiness.

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