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climate change in Latin America; Past impacts of climate on production; Looking toward the future; Conclusions; Chapter 3.2: Changing Climate in North America: Implications for Crops; Introduction; Climate change; Implications of climate change; Challenges; Chapter 3.3: Regional Impacts of Climate Change: Africa; Introduction; Climate change and agricultural production in Africa; Climate-dependent challenges; Perception of African farmers to climate change; Coping and adaptation strategies to climate variability and change  
ConclusionRecommendations; Chapter 3.4: Regional Climate Impacts on Agriculture in Europe; Agriculture in Europe; Present climate conditions for agriculture; Climate change impacts; A specific adaptation option: Crop insurance in Spain; Chapter 3.5: Climate Change Impacts and Adaptations in the Countries of the Former Soviet Union; Introduction; Geography of agriculture; Climate change impacts and adaptations; Discussion; Chapter 3.6: Climate Change Impact in Agriculture: Vulnerability and Adaptation Concerns of Semiarid Tropics in Asia; Introduction  
Climate change vulnerability in semiarid tropics of AsiaClimate change impacts in Asia; Adaptation to climate change; Conclusions; Future line of investigation; Chapter 3.7: Climate Change Impacts in Japan and Southeast Asia: Implications for Crop Adaptation; Introduction; Climatic change in Japan and Southeast Asia; Projected climate change impacts on crops; Conclusion; Acknowledgments; Chapter 3.8: Regional Impacts: Australia; Introduction; Climate and climate change in Australian cropping regions; Grains, oilseeds, and legumes; Rice; Sugarcane; Viticulture  
Fruits, nuts, and vegetables (excluding grapes)

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#### Sommario/riassunto

A major task of our time is to ensure adequate food supplies for the world's current population (now nearing 7 billion) in a sustainable way while protecting the vital functions and biological diversity of the global environment. The task of providing for a growing population is likely to be even more difficult in view of actual and potential changes in climatic conditions due to global warming, and as the population continues to grow. Current projections suggest that the world's temperatures will rise 1.8-4.0 by 2100 and population may reach 8 billion by the year 2025 and some 9 billion by mi

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