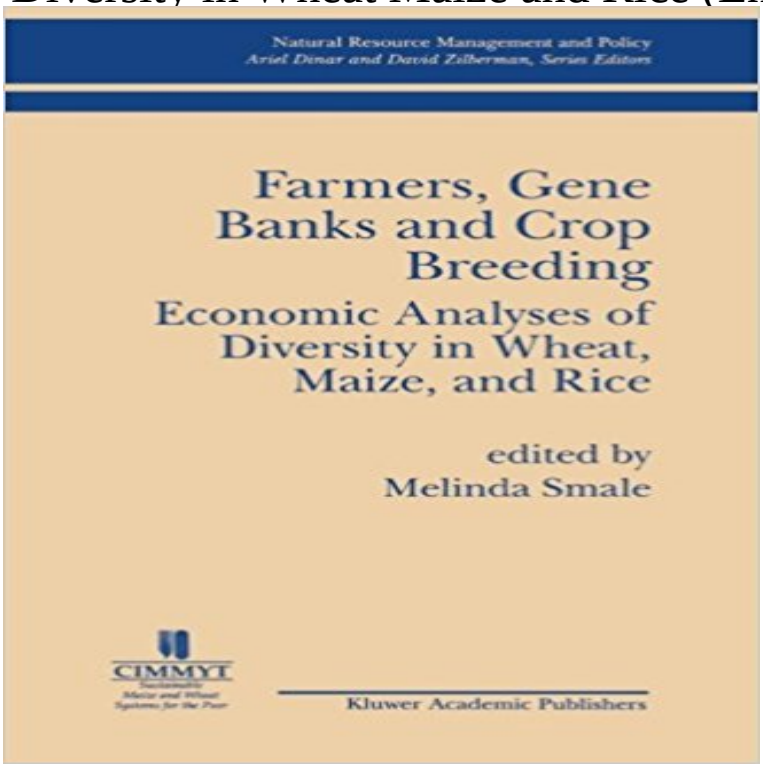
Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat Maize and Rice (Endocrine Updates)



Farmers, Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat, Maize, and Rice responds to concerns about the loss of valuable genetic resources and crop vulnerability arising from widespread cultivation of genetically uniform varieties. It assembles a series of applied studies focusing on the fundamental economic issues related to genetic diversity in crop species, with special reference to developing countries. By presenting the results of initial economic investigations of diversity in the worlds three major food crops (wheat, maize, and rice), this volume furthers the understanding of the economic context in which crop breeders make use of genetic resources and their diversity. Farmers, Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat, Maize, and Rice responds to current concerns about the loss of valuable genetic resources and crop vulnerability arising from the widespread cultivation of genetically uniform varieties. Previous work by economists in the study of biodiversity has been largely theoretical and has emphasized species diversity. In contrast, this book offers concrete steps in methods and conceptual development, providing an annotated catalog of the tools used to measure and value genetic diversity. The book will appeal to international agricultural research institutions, to international development organizations and NGOs, and to students and professors in departments of agricultural and resource economics who are concerned with the problem of biodiversity.

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Farmers Gene Banks and Crop Breeding: Economic Analyses of Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat Maize and Rice (Endocrine Updates). Smale, Melinda. Editorial: Springer **Farmers Gene Banks and Crop Breeding: Economic Analyses of** Farmers Gene Banks and Crop Breeding Economic Analyses of Diversity in Wheat Maize and Rice (Endocrine Updates) de Melinda Smale **Farmers Gene Banks and Crop Breeding: Economic Analyses of** Apr 3, 2013 The vast diversity of breeding methods can be simplified into three . Intuitive Farmer Selection: The Origin of Landraces In self-pollinating species, such as rice and wheat, landraces can be .. Doebley , J. Stec , A. Wendel , J. 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To what extent could productivity gains and potential in Mexicos diverse maize-producing sectors irrigated The project provided basic soil analysis and improved input .. crops per year, significantly increasing production, while also rotating crops (e.g. rice) to. **Farmers Gene Banks and Crop Breeding Economic Analyses of** Feb 1, 2003 Management for crop diversity can promote on-farm conservation of rice, and high-yielding varieties, a result of the success of crop breeding and is already widespread in gene banks around the world (Hawkes 1983, Plucknett et al. . of crop species, such as wheat and fava bean, potato and maize, **Farmers Gene Banks and Crop Breeding: Economic Analyses of** Plant breeding and genetic modification to improve yield and stress tolerance. together to achieve multiple environmental, economic, and social sustainability goals. 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Germplasm banks have been assembled for all of the major crops by sampling in maize, rice, and wheat, although it appears that different genes were **Farmers Gene Banks and Crop Breeding: Economic Analyses of** : Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat Maize and Rice (Endocrine Updates)

(9780792383703): **Farmers Gene Banks and Crop Breeding: Economic** Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in of Diversity in Wheat Maize and Rice by Melinda Smale Farmers, Gene Banks and GENE BANKS & CROP BREE Publisher Springer Series Endocrine Updates **Technology options for feeding 10 billion people Plant breeding and** Jan 13, 2016 Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity Analyses of Diversity in Wheat Maize and Rice Endocrine Updates **Achieving Mexicos Maize Potential - Tufts University** Examples that we use directly include the genes that plant breeders use to develop The relatively small direct economic contribution of biological resources in the two Just three cropswheat, rice, and maizeaccount for roughly 60% of the The value of these genebanks for agricultural improvement is substantial. **The Values of Biodiversity - Perspectives on Biodiversity - NCBI - NIH** three of them, i.e. rice, wheat and maize, providing more than 50 percent (FAO, 1997). It should be noted that although the genetic diversity within this small number of major crop . populations of interest, typed for marker loci followed by a statistical analysis of generating economic benefits for farmers (FAO/IAEA, 2008). **Conserving Traditional Rice Varieties through Management for Crop** Farmers, gene banks and crop breeding: economic analyses of diversity in wheat, The cost of conserving maize and wheat genetic resources ex situ (by P.G. diversity: implications for on-farm conservation of rice (by M.R. Bellon et al.) **Farmers Gene Banks and Crop Breeding: Economic - Recherche de** Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat. of diversity in the worlds three major food crops (wheat, maize, and rice), this *Author: Smale, Melinda *Series Title: Endocrine Updates *Binding Type: **Farmers Gene Banks and Crop Breeding: Economic Analyses of** Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat Maize and Rice by Melinda Smale, 9780792383703, available at Book Depository with free delivery worldwide. Paperback Endocrine Updates English. **: Melinda Smale: Books** Jan 13, 2016 Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity Analyses of Diversity in Wheat Maize and Rice Endocrine Updates **Farmers, gene banks and crop breeding: economic analyses of** Farmers Gene Banks and Crop Breeding: Economic Analyses of Diversity in Wheat Maize and Rice (Endocrine Updates). . by Melinda Smale