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ENVIRONMENT AND RESOURCE ECONOMICS

Economics of Dryland Management

John A. Dixon, David E. James
and Paul B. Sherman

Economics Dryland Management

Ian Goldin, L. Alan Winters



Economics Dryland Management:

Economics of Dryland Management John A. Dixon, David E. James, Paul B. Sherman, 2013-11-05 We have always had land in which the agricultural productivity is limited because there is not enough moisture Systems of farming and burning often degrade dryland further until it is desert Today however the problem is becoming much more serious Over 20 per cent of the world's population lives in dryland areas and unless action is taken drylands will increase dramatically This book focuses on the people who live and farm in the drylands their use of land resources and the economic returns from their decisions In a clear and thorough economic appraisal the authors show how it is still possible to arrest the problem Originally published in 1989

Dryland Management: Economic Case Studies John A. Dixon, David E. James, Paul B. Sherman, 2013-11-05 Drylands are a sizeable part of the world's potentially arable land They vary from the hyper arid regions of the classic deserts of Africa and Asia to the more common semi arid and sub humid areas that support extensive agricultural systems dependent on rainfall or irrigation Following their successful and innovative work *The Economics of Dryland Management* the editors have assembled twenty case studies from nine countries in the continents of Africa Asia North America and Australia They help to explore more fully the costs of land degradation and illustrate the economics of reclamation rehabilitation and prevention The cases in this book present a rich varied and readable survey of a wide range of drylands and their resources Originally published in 1990

Dryland Management John A. Dixon, Paul B. Sherman, David E. James, 1990 Written by the same authors as *The Economics of Dryland Management* this book outlines an acute global problem and puts forward a new strategy for dealing with it

The Economics of Dryland Management John A. Dixon, 2009

Dryland Farming Henry Gilbert, 1991

The Future of Drylands Cathy Lee, Thomas Schaaf, 2008-10-29 Drylands have been cradles to some of the world's greatest civilizations and contemporary dryland communities feature rich and unique cultures Dryland ecosystems support a surprising amount of biodiversity Desertification however is a significant land degradation problem in the arid semi arid and dry sub humid regions of the world Deterioration of soil and plant cover has adversely affected 70% of the world's drylands as a result of extended droughts as well as mismanagement of range and cultivated lands The situation is likely to worsen with high population growth rates and accompanying land use conflicts The contributions to *The Future of Drylands* an international scientific conference held under the leadership of UNESCO address these issues and offer practical solutions for combating desertification along with conserving and sustainably managing dryland ecosystems Major themes include the conservation of dryland biological and cultural diversity and the human dryland interface This volume documents how our improved understanding of drylands provides insight into the health and future prospects of these precious ecosystems that should help ensure that dryland communities enjoy a sustainable future

The Application of Economic Techniques in Environmental Impact Assessment David E. James, 2013-03-09 The contribution of economic thought and method to environmental management needs practical illustration Too few books on the subject achieve such an outcome This book is

among the notable exceptions That economics can provide a powerful vehicle for communicating an integrated understanding of the often diverse scientific findings germane to environmental impact assessment needs to be illustrated convincingly This book does just that But it does more It speaks across cultures not to transfer know how from one culture to another but rather to activate an effective exchange of insights from one locale on the planet to another As such it is a genuine contribution to the great environmental exhortation of our times think globally act locally Too often the people best placed to make such contributions are too committed to practical outcomes and making a living doing so Just occasionally however they can be persuaded to make the special effort required to communicate globally In this book David James has once again orchestrated the contributions of virtuoso performers In doing so he has emulated the contribution he sustained throughout the International Drylands Project and preparation of the books written with John Dixon and Paul Sherman The Economics of Dry and Management and Case Studies in Dry and Management Earthscan London Taken together with his recent work as Special Commissioner for the path breaking national Forest and Timber Inquiry for the Australian Government we have a body of work characterised by great worthiness integrity and true global significance

New Directions in Development Economics Mats Lundahl, Benno Ndulu, 2005-08-10 New Directions in Development Economics is divided into two parts The first half considers the dilemma of growth with special reference to its environmental cost The second half focuses on the role of the state in the context of the growing dominance of the free market argument The contributors include Paul Collier Partha Dasgupta Ronald Findlay and Deepak Lal

The Economics of Sustainable Development Ian Goldin, L. Alan Winters, 1995-02-24 This book applies rigorous economic analysis to the question of sustainable development It considers the inter relationship between growth and sustainability showing that one does not necessarily exist to the detriment of the other Sustainability may be measured and defined in national accounting terms and the contributors explore a potentially powerful theoretical definition Case studies on Morocco and China examine some of the domestic policy requirements of sustainability revealing the desirability of quite complex combinations of policies International policy aspects of sustainability are considered such as technology transfers and the establishment of workable agreements to reduce global pollution The volume demonstrates the need to build the sustainability debate on sound economic foundations and the ability of economists to provide such foundations

Building climate-resilient dryland forests and agrosilvopastoral production systems Haddad, F.F., Ariza, C., Malmer, A., 2021-03-19 With climate change impacts already felt in the world's drylands there is an urgent need for action at various scales and initiated by different stakeholders to ensure the sustainability of food production and livelihoods in these regions in the coming decades There is also the need to rapidly establish baselines assess and start monitoring progress on sustainability emerging as result of the action taken To aid in this effort this paper provides a short list of expected transformations under each of the three sustainability pillars for guiding the planning and implementation of policy governance and practice level actions Gender and indigenous people's

rights and knowledge will be considered cross cutting issues The expected transformations will be shared with and agreed by dryland experts and practitioners and will be complemented with additional relevant information sources and indicators However it is recommended that national and subnational governments programmes projects and individual practitioners and experts define the indicators they will use for measuring their own progress towards the expected transformations based on the availability of data and specific national and local conditions The paper will also present case studies portraying actions that have led to progress in sustainability and are directly related to the expected transformations A related policy brief Blooming Drylands will complement the paper and offer practical recommendations on how policymakers can reach the expected transformations *Economics of Soil Degradation* Joshua Bishop,1995 **Handbook of Development**

Economics Hollis Burnley Chenery,J. Behrman,T.N. Srinivasan,1988 Handbooks of development economics edit Chenery v 1

Human Well-Being and the Natural Environment Partha Dasgupta,2001-11-15 In Human Well Being and the Natural Environment Partha Dasgupta explores ways to measure the quality of life In developing quality of life indices he pays particular attention to the natural environment illustrating how it can be incorporated more generally into economic reasoning in a seamless manner Professor Dasgupta puts the theory that he develops to use in extended commentaries on the economics of population poverty traps global warming structural adjustment programmes and free trade particularly in relation to poor countries The result is a treatise that goes beyond quality of life measures and offers a comprehensive account of the newly emergent subject of ecological economics With the publication of this new paperback edition Professor Dasgupta has taken the opportunity to update and revise his text in a number of ways including developments to facilitate its current use on a number of graduate courses in environmental and resource economics The treatment of the welfare economics of imperfect economies has been developed using new findings and the Appendix has been expanded to include applications of the theory to a number of institutions and to develop approximate formulae for estimating the value of environmental natural resources **Sustainable Development of Dryland Agriculture in India** R.P. Singh,2011-01-01

There are chapters on varied topics covering the major gamut of dryland agriculture The topics covered by eminent scientists are Dryland agricultural research in India a historical perspective The eminence of authors and the institutions they represent gives credence to the contents of the book Research and development workers all would like to possess this book for ready reference and use **Sustainable Regional Development Methodologies For Microregional Diagnostics**

Literature Review Richard Edwards,1995 **Sustainable Regional Development Methodologies For Microregional**

Diagnostics Richard Edwards, *Sustainability of Dryland Agriculture in India* S. Lakshmikanthamma,1997 Study

restricted to the Mittermari micro watershed in Kolar District Karnataka *The Economics of Soil Productivity in Sub-Saharan Africa* Food and Agriculture Organization of the United Nations,2001-01-01 This study examines the current and potential role of economics in soil productivity in sub Saharan Africa After examining the status of soil productivity and

the contribution of conventional economic analyses it considers more innovative approaches that enable economics to play a greater role in the planning and evaluation of soil productivity enhancing measures at farm national and global level In the past economics has tended to focus on one factor at a time but many factors affect soil productivity Decisions policies and their impact call for a more integrative participatory analytical approaches capable of weighing various aspects simultaneously This study highlights how economics can respond to this challenge through the application of fresh concepts e g natural capital and specific techniques e g multi criteria analysis green accounting Economics and Ecology Edward B. Barbier,2012-12-06 In the Summer of 1991 Bob Carling who was then Life Sciences Editor of Chapman Hall approached me over the possibility of producing an edited volume of works on economics and ecology As we discussed the matter further what became clear is that there is a growing literature on the frontiers of both disciplines that has involved economists borrowing from ecology and ecologists borrowing from economics We decided that this volume should try to provide a small cross section of that literature I was very much interested in editing this volume for several reasons First one of my principal interests in economics has been how the economic analysis of natural resource and environmental problems can benefit from the concepts and lessons learned from other disciplines in particular ecology I was grateful at having the opportunity to pull together a selection of readings that illustrate how the integration of the two disciplines can lead to fruitful analysis Second I was also aware that as Director of the London Environmental Economics Centre and as a Senior Researcher at the International Institute of Environment and Development I was fortunate to have worked with or to have known a number of economists and ecologists whose work would be ideal for this volume I was delighted that so many of my friends and colleagues were as enthusiastic about this project as I and agreed to participate **Enhancing Resilience of Dryland Agriculture Under Changing Climate** Anandkumar Naorem,Deepesh Machiwal,2023-03-09 This contributed volume describes management practices based on interdisciplinary and convergence science approaches from different disciplines of agricultural science to enhance the resilience of dryland agriculture The main focus of this book is to address the current issues and trends along with future prospects and challenges in adopting salient agricultural management practices in drylands globally under a climate change scenario Climate change and global warming have profound repercussions on increasing frequency severity and duration of droughts and or floods which may have implications for future productivity of dryland agriculture e g more water shortages or abundances and high or low runoff rates diminished crop yields and reduced water productivity In past few years many technological advancements and management strategies have been evolved to tackle the climate induced risks of dryland agriculture considering interdisciplinary and convergence approaches that integrate knowledge from multi disciplines This book is an attempt to bridge the gap in literature by unraveling controversies and characteristics of dryland ecosystems under the changing climate and dealing with detailed procedures of applying the advanced practices adapted to climate change for management of dryland agriculture This edited

book is of interest to ecologists economists environmentalists geologists horticulturalists hydrologists soil scientists social scientists natural resource conservationists and policy makers dealing with dryland agriculture This book offers a broad understanding of dryland agriculture and assists the reader to identify both the current as well as the probable future state of dryland agriculture in a global context

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