Agricultural Extension Manual

This book on Improving Agricultural Extension: a Reference Manual offers a critical review and inventory-analysis of the "State of the Art" in agricultural extension theory and best practices written by internationally known agricultural extension practitioners, educators and scholars. A total of 38 authors from 15 countries contributed to the 23 chapters of this book and thus they provided broad international perspectives, covering both theory and practice, as well as micro and macro issues related to agricultural extension. It is the third edition of a classic reference manual on agricultural extension published by the Food and Agriculture Organization (FAO) of the United Nations. Aimed at agricultural extension planners, managers, trainers, educators, and field practitioners, this book could be useful in improving the quality of agricultural extension and in generating new ideas and methods for increasing further the cost-effectiveness of agricultural extension programmes. It provides many sound and practical suggestions for developing and improving the conceptual, technical, and operational methods and tools in order to strategically plan, efficiently manage, and scientifically evaluate a problem-solving, demand-driven and needs-based agricultural extension programmes. Volume 3 of this series of the Handbooks in Economics follows on from the previous two volumes by focusing on the fundamental concepts of agricultural economics. The first part of the volume examines the developments in human resources and technology mastery. The second part follows on by considering the processes and impact of invention and innovation in this field. The effects of market forces are examined in the third part, and the volume concludes by analysing the economics of our changing natural resources, including the past effects of climate change. Overall this volume forms a comprehensive and accessible survey of the field of agricultural economics and is recommended reading for anyone with an interest, either academic or professional, in this area. *Part of the renown Handbooks in Economics series *Contributors are leaders of their areas *International in scope and comprehensive in coverage

This national award winning book was developed especially for Master Gardener volunteers and home gardeners and is a primary source for research-based information on gardening and landscaping successfully in North Carolina and the Southeast. A fundamental reference for any seasoned gardener, the North Carolina Extension Gardener Handbook is also written to appeal to beginners just getting their hands dirty. It explains the "why and how" basics of gardening from soils and composting to vegetable gardening and wildlife management. Advice on garden design, preparation, and maintenance covers all types of plantings including lawns, ornamentals, fruits, trees, and containers. This handbook provides color images, detailed graphics, diagnostic tables, case studies, frequently asked questions, and specific management strategies for insects, diseases, weeds, and other pests. Written by a team of the state’s leading horticulture experts, it contains a wealth of information to support you in creating and managing thriving gardens, lawns, and landscapes. The North Carolina Extension Gardener Handbook is an essential book for serious gardeners in North Carolina and the Southeast. Want to learn more? * Visit go.ncsu.edu/eg-handbook to view information contained in this book in an open access format. * Access free gardening resources from NC State Extension by visiting gardening.ces.ncsu.edu. * Find the Extension center in your county to speak with local experts by visiting www.ces.ncsu.edu/directory. * Become a Master Gardener volunteer and join an outstanding group of life-long learners working together to change the world. Learn how at ncemgv.org.


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The effects of climate change and climate variability on agriculture pose the greatest challenge for Kenya to realize its Vision 2030 and other agricultural strategies. Agriculture is sensitive and highly vulnerable to climate change/variability, whose effects are already being experienced in life threatening ways. Given the high dependency on rain-fed agriculture, people and communities whose livelihoods is conditional on agricultural sector are at higher risk of climatic extremes. This manual has been prepared to assist agricultural extension officers and community leaders in disseminating a list of Climate-Smart Agriculture practices. These set of practices when implemented in an integrated approach should ensure increased production and profitability, enhance resilience and adaptation to climate change effects but also promote low greenhouse gas emission. Though the list of practices are not exhaustive, the manual attempt to demonstrate possible effective combination of practices that are suitable for most of the Kenyan farming systems and which simultaneously achieve a farming approach that is productive, adaptive and with opportunities for carbon sinks. Each chapter describes a Climate-Smart Agriculture practice and tries to respond to the three questions of proposed technologies i.e. What?, Why? and How? The format of writing was intended to make it easy for the users to be able to apply the synergistic implementation of selected practices. This manual will be complemented by other manuals and policy guidelines prepared by FAO and the Government of Kenya to support policy makers in integrating climate change concerns in other development areas while achieving food and nutrition security

1st edition 1972

The North Carolina Agricultural Chemicals Manual provides extension specialists and agents, researchers, and professionals in the agriculture industry with information on the selection, application, and safe and proper use of agricultural chemicals. The manual is revised annually offering a wealth of up-to-date and reliable information covering pesticides, fertilizers, application equipment, specimen identification, growth regulators, and the control of insects, diseases, weeds, and animals. It is available digitally free of charge in a PDF format at the following url: content.ces.ncsu.edu/north-carolina-agricultural-chemicals-manual/.

This manual is designed for a four-day training course on climate-smart agriculture that would take the learner from the basics of climate science to the impacts of climate change and the linkages among climate, agriculture and food security. It contains four modules, each addressing a particular aspect and consisting of several sessions that are held either in plenary, as one group, or in smaller work groups. The content and structure of this manual has been developed and tested through fieldwork involving extension agents and agricultural producers in Zambia, Malawi and Viet Nam.

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