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**Maliro, M.F.A., Abang, M.M.,
Mukankusi, C., Lung'aho, M., Fenta,
B., Wanderi, S., Kapa, R., Okiro, O.A.,
Koma, E., Mwaba, C., Isse, M.M. and
Bazile, D., Food and Agriculture
Organization of the United Nations**

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Food Security for African Smallholder Farmers Hupenyu Allan Mupambwa, Adornis Dakarai Nciizah, Patrick Nyambo, Binganidzo Muchara, Ndakalimwe Naftal Gabriel, 2022-02-28 This book provides a synthesis of current agricultural research in Africa with the aim of presenting evidence based information that can be directly applied into improving the African smallholder farmers food security It presents positive scientific research that has been undertaken in Africa in simpler terms thus driving the research for development agenda contributing to the attainment of SDG 2 Numerous research that targets resource poor African smallholder farmers has been published yet the region faces very low productivity levels This lack of translation from research to food security and increased agricultural incomes is due to the poor uptake of scientific research by farmers which is partly due to poor presentation of this body of knowledge into simpler forms that extension workers and farmers can directly adopt Therefore this book offers research information in an easy digestible and application oriented style so as to enable transformation of the African agricultural sector by effectively driving agricultural productivity in Africa This book is of interest to African extension workers who will translate the simplified knowledge into lessons that can be useful to smallholder farmers The book is also beneficial for policy makers as well as academics researchers and other science based professionals

An overview on local alternative ingredients, aquafeed supply and feeding management in selected African countries Food and Agriculture Organization of the United Nations, Garcia Sampaio, F. (ed.); Hasan, M.R. (ed.); El-Sayed, A-F.M. (ed.), Aquaculture plays a vital role in enhancing food security in Africa but faces challenges in the fed aquaculture sector particularly in accessing and producing high quality aquafeeds To address this FAO organized the Expert Workshop on Local Alternative Ingredients Aquafeed Supply and Feeding Management in Egypt in 2023 Experts and stakeholders from nine African countries Cameroon Egypt Ghana Kenya Malawi Nigeria Uganda the United Republic of Tanzania and Zambia participated alongside representatives from governments academia development agencies the private sector and farming communities Pre workshop questionnaires informed national reports on feed ingredient supply feed manufacturing and feeding management practices These reports along with workshop discussions form the basis of this technical document comprising nine country analyses and a regional synthesis Common challenges identified include limited access to alternative feed ingredients poor feed preparation and storage practices inadequate monitoring of on farm feeding lack of investment for small scale producers low technical capacity among farmers poor feed quality and weak regulatory frameworks The synthesis report recommends key actions stabilizing feed ingredient supply and costs promoting training for feed producers and farmers improving on farm feed and water quality management enhancing data collection and analysis expanding access to finance and storage facilities and strengthening collaboration among stakeholders These measures aim to build a more efficient sustainable and resilient aquaculture sector across the region

Transforming Higher Education in Asia and Africa Fred M. Hayward, 2020-03-01 Drawing on over fifty years of on the

ground experience Fred M Hayward's *Transforming Higher Education in Asia and Africa* analyzes change processes in higher education in eight Asian and African countries. The twelve cases range from the push to upgrade and transform higher education in Afghanistan in the midst of a war to the successful struggle against apartheid in South African institutions as well as thwarted efforts in Sierra Leone and Madagascar. Providing both practical lessons learned and hope for communities globally, Hayward demonstrates that higher education change and even transformation, which is more fundamental and structural, can occur even in the most difficult environments. Successful transformation requires well-crafted strategic and budget plans with careful implementation, monitoring, and effective leadership at multiple levels. Yet also critical are a commitment to human development, a desire for freedom, and belief in democracy and recognition that high quality higher education is essential to national development.

Prospects for quinoa adaptation and utilization in Eastern and Southern Africa Maliro, M.F.A., Abang, M.M., Mukankusi, C., Lung'aho, M., Fenta, B., Wanderi, S., Kapa, R., Okiro, O.A., Koma, E., Mwaba, C., Isse, M.M. and Bazile, D., Food and Agriculture Organization of the United Nations, 2021-01-22. Quinoa (*Chenopodium quinoa* Willd.) is an emerging crop in the world with great potential to contribute to Africa's food and nutritional security. The increased popularity of quinoa in the last few years is attributed to the impact of activities carried out within the framework of the International Year of Quinoa (IYQ2013) which helped greatly to raise awareness on the crop's multiple nutritional benefits and its expanding cultivation globally. The Food and Agriculture Organization (FAO) which championed the IYQ2013 has worked with developing countries in Africa which are grappling with food and nutrition insecurity to introduce and promote cultivation of quinoa. Production and utilization of quinoa is expected to significantly reduce food and nutrition insecurity and help farming communities adapt to climate change. FAO implemented a Technical Cooperation on quinoa titled 'Technical Assistance for the Strengthening of the Food System of Quinoa' (TCP/SFE 3406) implemented in 2014 to 2015. This project was designed to support the institutional capacities of seven countries including Djibouti, Ethiopia, Kenya, Somalia, South Sudan, Uganda, and Zambia in the production, evaluation, management, utilization, and marketing of Quinoa under diverse farming systems and agro-ecological zones. The project was implemented and led by the FAO Subregional office for Eastern Africa. SFE Quinoa evaluation trials that were conducted across multiple sites in the participating countries served as pilot adaptability studies for the crop. This technical paper presents key technological, institutional, and policy considerations for the successful introduction, adaptation, and utilization of quinoa in Africa.

Assessing and strengthening Malawi's pluralistic agricultural extension system: Evidence and lessons from a three-year research study Ragasa, Catherine, Mthinda, Catherine, Chowa, Clodina, Mzungu, Diston, Kalagho, Kenan, Kazembe, Cynthia, 2019-11-20. In July 2016, the International Food Policy Research Institute (IFPRI) and partners launched a three-year evidence-based policy support project to analyze demand for and supply of agricultural extension services in Malawi and help design activities to strengthen service providers' capacity to address farmers' demands for information. For this project, IFPRI partnered with Wadonda Consult and the Lilongwe

University of Agriculture and Natural Resources LUANAR to conduct the household survey and qualitative interviews Funding came from the Government of Flanders the U S Agency for International Development through the Strengthening Agricultural and Nutrition Extension SANE the German Agency for International Cooperation GIZ and the CGIAR Research Program on Policies Institutions and Markets PIM The project collected two rounds of nationally representative panel data of 2 880 households 2016 and 2018 two rounds of focus group discussions FGDs census of extension service providers in 15 districts and a series of in depth interviews This note summarizes the main findings from 10 reports completed to analyze and draw conclusions from the stories behind these datasets

The African Food Environments Amos Laar,Kaleab Baye,Anna Lartey,Francis Zotor,Gershim Asiki,2023-09-05 In many respects the continent of Africa is in transition Prominent among them currently is the nutrition transition One consequence of the nutrition transition is the increase in prevalence of nutrition related non communicable diseases NCDs such as obesity type 2 diabetes cardiovascular diseases and certain cancers Although NCDs are a global public health problem the rate of increase in NCDs morbidity and mortality in some African countries is staggering This surge has been linked to modifiable environmental factors factors that facilitate the consumption of obesogenic energy dense nutrient poor foods rather than unrefined cereals fruits and vegetables It has long been recognized that the physical and social environments in which people live work and eat are critical determinants of their health More recently there has been a greater focus on the food environment as a key determinant of health Available evidence shows that unhealthy food environments drive unhealthy diets and unhealthy diet is one of four main risk factors for NCDs

... Approved Output Based Budget Document Malawi,2015 *Fertilizer subsidies in Malawi: From past to present* Benson, Todd,De Weerd, Joachim,Duchoslav, Jan,Masanjala, Winford,2024-02-12 Malawi has been at the center of the debate on agricultural input subsidies in Africa ever since it significantly expanded its fertilizer subsidy program about two decades ago When it did so Malawi was a trailblazer receiving international attention for seemingly leveraging the subsidy program to move the country from a situation characterized by food deficits and widespread hunger to crop production surpluses In this paper we trace the history of Malawi s subsidy program over the past 70 years describing how the country arrived at that watershed moment earlier this century and how the subsidy program has developed since We show how donor support for the program has wavered and how external pressure to remove the subsidy has repeatedly been unsuccessful We also demonstrate how over the years the program s total fiscal burden has fluctuated significantly However we find that since the expansion of the subsidy program in 2004 the fiscal costs of the program have shown little correlation with the maize harvest that same agricultural season We show that the subsidy program has succeeded in raising awareness about the value of the fertilizer for increased crop productivity However despite its continued prominence in the country s agricultural policy most Malawian smallholder do not manage to grow sufficient maize to feed their households throughout the year and every year millions depend on food assistance during the worst months of the lean season

The ... Mid-year Budget Review

Malawi,2015 Annual Economic Report ,2017 **Livestock Genomics and Community-based Breeding Strategies in Low-and-Middle-Income Countries: Challenges, Opportunities and Future Perspectives** Isidore Houaga,Maria Wurzinger,Ntanganedzeni Mapholi,2024-07-17

Low and Middle Income Countries LMICs are home to diverse populations of livestock species adapted to various agro ecological zones production systems and harsh environmental conditions However the livestock in LMICs have not been systematically improved and current low levels of productivity do not meet the demand for livestock products by a growing population Recent advances in next generation sequencing and genotyping technologies have enabled the application of genomic selection in various livestock species in some western countries with great success Despite the low adoption of genomic breeding in LMICs livestock industry various studies and programs were initiated and some are still ongoing Furthermore community based breeding programs CBBP have been initiated in many LMICs with great benefits for smallholder livestock farmers CBBPs are based on the active participation of farmers from inception through to implementation and consider their needs views decisions breeding objectives and available infrastructure In Africa for instance small ruminants CBBPs have generated substantial genetic gains and socioeconomic benefits for rural poor farmers However the current challenges affecting the data recording and genetic evaluation of the CBBPs in LMICS are yet to be fully reported Furthermore the CBBPs are yet to integrate genomic selection in their breeding strategies For sustainable livestock breeding in LMICs there is a need to assess the current status of livestock genomics and community based breeding strategies to identify the challenges and suggest mitigating strategies and future improvement strategy plans In this Research Topic we aim to collect findings from past and current livestock genomics and community based breeding programs the challenges the lessons learned the opportunities and future perspectives

Unveiling the Power of Verbal Beauty: An Psychological Sojourn through **Luanar 2015 16**

In a global inundated with monitors and the cacophony of immediate connection, the profound power and psychological resonance of verbal artistry often fade in to obscurity, eclipsed by the constant onslaught of noise and distractions. Yet, set within the musical pages of **Luanar 2015 16**, a interesting work of fictional elegance that impulses with fresh emotions, lies an wonderful trip waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this mesmerizing opus guides readers on a mental odyssey, gently exposing the latent potential and profound impact embedded within the delicate web of language. Within the heart-wrenching expanse with this evocative analysis, we will embark upon an introspective exploration of the book is key styles, dissect their fascinating writing style, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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