

2018 Kenya Fertilizer Roundtable (KeFERT) Speakers

Thematic Area 1: Fertilizers, Soils and Crop Nutrition under Changing Climatic Conditions

Chair



Shamie Zingore, IPNI

Dr. Shamie Zingore is research expert with over 15 years of international experience in plant nutrition research. He is the Regional Director for the sub-Saharan Africa Region at the International Plant Nutrition Institute, a position he has held since 2010. In this role, he is leading projects that promote the adoption of fertilizer best management practices. He holds a PhD degree in Soil Science and Farming Systems Analysis from Wageningen University and MSc and BSc degrees in Soil Science from the University of Zimbabwe. He has published over 40 papers scientific papers and supervised numerous MSc and PhD students.

Presenters



John Wendt

Dr. John Wendt joined IFDC in 2011 and is the Deputy Director for Field Research, based in Nairobi, Kenya. He has more than 20 years of experience across the agricultural research-to-development continuum in diverse African environments (semi-arid Sahel, East African savannas, West African rainforests) involving multiple cereal, legume and root and tuber crops. His current area of focus is on balanced crop nutrition, which is addressing all crop nutrient deficiencies and soil acidity constraints through provision of balanced fertilizers and lime. His experience includes diverse management experience of multi-disciplinary teams of scientists, technical staff, grantees and stakeholders at project, program and research station levels. John has specific expertise in soil and plant analysis laboratory management, balanced crop nutrition, conservation agriculture practices, and integrated soil fertility management.

Prior to his position at IFDC, John was Northern Area Projects Manager and head agronomist for ACDI/VOCA from 2008 to 2011 in Uganda. From 2001 to 2006, John was soil scientist and program and station administrator for the International Institute for Tropical Agriculture (IITA), also in Uganda. John was a postdoctoral fellow for the Rockefeller Foundation in Malawi from 1989 to 1993. He holds a doctorate in agronomy from Purdue University, West Lafayette, Indiana, USA. He also earned a master's degree in agronomy and a bachelor's degree in agricultural engineering from Texas A&M University, College Station, Texas, USA.



Catherine Njeri Kibunja

Dr. Catherine Njeri Kibunja is a Senior Principal Research Officer with the Kenya Agricultural and Livestock Research Organisation (KALRO), with a bias in soil fertility and plant nutrition. She holds a PhD degree in nitrogen dynamics and soil microbiology from the University of Nairobi. She began her career as an Assistant Agricultural Officer in the Research Division of the Ministry of Agriculture in December 1979. Later on, she moved to Kenya Agricultural Research Institute (KARI) which was established in 1989 where she rose to the position of Senior Principal Research Officer.

Dr Kibunja has extensive expertise in the use of nuclear techniques in agriculture and has participated in many IAEA funded projects focusing on enhancing agricultural productivity. In addition, she has evaluated the efficacy of several imported/locally manufactured bio-fertilizers before marketing in Kenya on behalf of the Kenya Standing Technical Committee on Imports and Exports (KSTCIE) of the Ministry of Agriculture. She is currently involved in validating and promoting sustainable soil fertility management strategies using lessons learnt from the Kabete 40-year old long term experiment. She has backstopped many collaborative projects, including Efficient Nutrient use in east Africa (ENSET project) supported by the Royal Netherlands; nitrogen efficient maize (IMAS project with CIMMYT) and the African Soil Information Service (AfSIS project with TSBF-CIAT) and lately the regional AGRA-funded and CABI-managed project on Optimizing Fertilizer Recommendations in Africa (OFRA) where soil-crop-region fertilizer recommendations were developed for 7 food crops and 8 agro-ecological regions for increased on-farm profitability. Dr Kibunja has extensive expertise in the area of integrated soil fertility management having been the National Coordinator of Integrated Soil Fertility Management (ISFM) programme within the Natural Resources Management Division of former KARI, where she was engaged in guiding research scientists in developing annual work plans and budgets and executing project activities. She is currently the Head, Soil Fertility and Plant Nutrition Research Programme, one of the seven programmes implemented at KALRO-Kabete centre, where the ISO-certified KALRO Soil Laboratory is situated. She has published several papers in referred journals, book chapters and conference proceedings in the area of sustainable soil fertility management.

Anthony O. Esilaba



Dr. Anthony O. Esilaba is a Soil Scientist and the Assistant Director, Natural Resources Systems Unit at the Kenya Agricultural and Livestock Research Organization (KALRO) Secretariat in Nairobi, Kenya. His responsibilities include national coordination of research programmes that include soil and water management, integrated soil fertility management, land use planning, irrigation, drainage and management of problem soils.

Dr. Esilaba received his Bachelor's and Master's degree at the University of Nairobi in Agriculture and Soil science, respectively. He obtained his doctorate (PhD) from the University of Nebraska Lincoln, USA in Agronomy with an emphasis on soil chemistry/fertility.

He has more than 30 years' experience as a Research Scientist in Land and Water Management and Agroforestry with emphasis on Integrated Soil Fertility Management and Climate Smart Agriculture. As a national scientist he has collaborated with national, regional and international institutes in many projects.

Dr. Esilaba has supervised MSc. and PhD students at the University of Nairobi and Egerton University and he has served as an external examiner at Moi and the Nairobi University in Kenya. He has published more than 22 book chapters, edited 1 book and 1 conference proceedings, 39 papers in refereed journals, 2 training manuals, 14 technical handbooks/bulletins, 92 papers, abstracts and

posters in published conference proceedings, 4 policy briefs, edited 4 technical publications/reports, compiled and edited 8 institutional annual reports. He has also been a consultant for ICRAF, AGRA, ASARECA and the International Water Management Institute (IWMI). Recently he was the Chairman Soil Science Society of East Africa (SSSEA) from 2011 to 2013 and is a member of various professional organisations.

Michael Kamau



Michael Kamau is an Intervention Specialist in charge of Yield Enhancing Technologies; Fertilizer and Agricultural Lime at Kenya Markets Trust. He has 15 years of experience in agricultural input markets, specifically in fertilizer and crop protection product development and marketing. Michael has previously worked in the public and private sector. He was a Technical and Marketing Manager- Bio-medica Laboratories Ltd, Country Manager- Kencrop Kenya Ltd. and a Divisional Agricultural and Extension Officer at the Ministry of Agriculture. Michael focuses in Agribusiness in a fast-paced environment to fully utilize his skill to ensure sustainable access to improved fertilizer, seed, and other inputs at the farmer level and to support a continuum of learning and utilization of productivity-enhancing inputs among smallholder farmers

Thematic Area 2: Fertilizer Supply Chain and Usage

Chair

Rebbie Harawa, AGRA



Rebbie Harawa is currently the Head for Soil Fertility and Fertilizer Systems at AGRA responsible for helping countries to build sustainable soil health and fertilizer systems for improved crop productivity. Before joining AGRA, Rebbie worked as a Team Leader and Science Coordinator for the UNDP/Columbia University-Millennium Villages Project, a multi-sectoral project which aimed at achieving the Millennium Development Goals (MDGs) at local community level. Rebbie also worked as an Adjunct Associate Research Scholar (part-time) for Global Health and Economic Development, Columbia University. Previously she also worked for World Agroforestry Center as a Research Specialist where she implemented projects on evaluating agroforestry technologies in Malawi.

Rebbie holds a Ph.D. in Soil Science (with minor in extension) from Cornell University, Ithaca, New York in USA. In addition, she received BSc and MSc in Agriculture from Bunda College of Agriculture, University of Malawi.

Presenters



Eustace Muriuki

Mr. Eustace Muriuki holds BSc (UON) and MSc (Univ. Wageningen) degrees. He is currently the Managing Director for MEA Ltd., one of the largest fertilizer companies in Kenya and the Chairman of Fertilizer Association of Kenya (FAK). Mr. Muriuki has a wealth of experience in soil fertility management, fertilizer blending and fertilizer trading.



Joaquin Sanabria

Dr. Joaquin Sanabria, Senior Scientist-Biometrician, is in charge of designing and analyzing experiments and surveys in the areas of crop nutrition, soil fertility, studies to mitigate agricultural impact on the environment, and assessments of fertilizer quality. He has conducted national fertilizer quality assessments in twelve countries throughout Africa and Southeast Asia. Sanabria has published as author or coauthor more than 40 peer-reviewed articles in scientific journals.

Sanabria has extensive experience using statistics in research projects associated with agricultural production and environmental studies at the Colombian Institute of Agricultural Research (ICA) as Research Statistician within the 1981-1995 period, at Texas A&M University as Research Statistician in the Blackland Research Center at Temple, Texas, USA, between 1995 and 2007; and at the International Fertilizer Development Center (IFDC) as Senior Scientist-Biometrician in Muscle Shoals, AL, USA since 2007.



Grace Chilande

Grace Chilande is a Fertilizer Market Specialist with the International Fertilizer Development Center (IFDC). She is also the Lead Project Coordinator of the AfricaFertilizer.org Initiative; an initiative that is hosted by IFDC and supported by AFAP and IFA, and has since 2009 been collecting, processing, and publishing fertilizer sector statistics for key fertilizer markets in SSA. AFO aims to contribute to the development of a sustainable and profitable agriculture sector in Africa through the provision of clear and opportune information on fertilizers, such as production, trade, consumption and market intelligence to fertilizer stakeholders. On market intelligence, AFO has supported the strategic analysis on routes to market for various international fertilizer producer and suppliers and specifically, in the development of fertilizer cost chain build-ups (port to farmer) through the key trade corridors in east and southern Africa. Ms. Chilande has a Bachelors in Economics and Finance from Kenyatta University in Nairobi, Kenya.



James Mutonyi

Mr. James Mutonyi is a Rural Development Expert and Agricultural Specialist with more than 20 years of experience working with small business and smallholder agriculture in Africa. He is currently the Managing Director of the Agricultural Market Development Trust (AGMARK) www.agmark.org – a regional development organization supporting smallholder farmers to access inputs and technologies for increased production and output markets. AGMARK has been a Key player in small holder agricultural sector in the region since 2004, working with Government Private sector and development partners to develop and implement innovative models for smallholder farmers

and pastoralists to access improved inputs for increased Agricultural production and create markets production in the East and Southern African region. AGMARK work has impacted over 280,000 smallholder farmers with project funding of over \$20 Million since its inception in 2004. Mr. Mutonyi has extensive experience in enterprise development in Africa, having traveled widely within the region consulting, training and offering technical support to government institutions, private agricultural input supply companies and local development institutions on issues relating to smallholder agricultural input access and output marketing.



Zacharia Kuto

Mr. Zakaria Kiptanui Kuto is the Kenya National Farmers' Federation (KENAFF) National Chairman representing Nandi County and a member of the KENAFF National Farmers' Council/National Executive Council. KENAFF is the umbrella organization of all farmers in Kenya representing the interests of over 2.2 million farm families as their legitimate voice. Pursuant to the Federation's objective to articulate issues affecting farmers by defending their interests, Mr. Kuto represents and lobbies for farmers to the relevant entities at the county, national and regional levels.

A retired teacher, Mr. Kuto is now a full time small scale farmer, well versed in community mobilization, networking and linkages. He is also a trainer of farmers in good agricultural practices (GAP), group dynamics, leadership and governance among others. As a farmer leader in Nandi County, he has championed communities living in Nandi in various beneficial initiatives. These include among others; assisting in identification of farmers and agro dealers during the National Accelerated Agricultural Input Access Programme (NAAIAP); enhancing the livelihoods of farmers through the Farmers' Fighting Poverty (FFP)" programme and he also played a vital role in the enhancement of farmers entrepreneurial skill through the Enhancement of Farmers' Entrepreneurship for Development (EFED) programme.

Mr. Kuto has represented farmers in various county agricultural committees including the Agricultural Sector Development Support Programme (ASDSP) and the National Agricultural and Rural Inclusive Project (NARIGP) – where he sits in the County Project Steering Committees.

Thematic Area 3: Policy, Laws and Regulations

Chair



Milton Ayieko

Dr. Milton Ayieko is the Executive Director, Tegemeo Institute of Agricultural Policy and Development, Egerton University. He holds a doctorate degree in Agricultural, Food and Resource Economics from Michigan State University, USA, with specialization in agricultural markets, policy analysis and international development. Dr. Ayieko has been involved in agricultural policy research and advocacy, focusing on rural livelihoods, market development, technology adoption, seed systems and agricultural value chain analysis. He has held various positions including being the Regional Coordinator of the Integrated Seed Sector Development in Africa (ISSD Africa). He has also served in various ministerial task forces and committees. His current research interests include diversification of rural livelihoods, household food security and welfare, and poverty dynamics.

Presenters



Ann Onyango

Ms. Ann Onyango is currently Agriculture Secretary in the State Department for Crop Development, Ministry of Agriculture, Livestock, Fisheries and Irrigation. My duties include co-ordination of all Technical activities in 3 Directorates and 16 National Projects within the State Department. Deputizing the Principal Secretary in various meetings, Technical Committees and Boards of Parastatals (KALRO, Vision 2030 and Radiation Protection Board). Convener of the Technical Committee that is reviewing the Agricultural Sector Strategy for Transformation and Growth towards 2030. Over 35 years' experience in the Agriculture Sector. I hold BSc in

Agriculture – University of Nairobi (Kenya) and MSc in Agriculture Extension and Rural Development – University of Reading (UK).



Mary Nzomo

Mrs. Mary Nzomo Agricultural Economist by Profession with a Masters of Science Degree in Entrepreneurship. Currently working for the County Government of Trans Nzoia, Kenya, as the County Executive Committee in charge of Agriculture, Livestock Fisheries & Cooperatives Development and also chair of the Agriculture CECMs caucus. My career spans over a period of 25 years with a wealth of experience in Agricultural Extension & implementation of various donor funded programmes. I've held several leadership positions during my career & received several awards for best performance as a Departmental Head. I aspire to empower the Kenyan farmer since the Country's economy is Agriculture driven with over 80% of

the population depending on Agriculture for their livelihood. I look forward to meeting and networking with like-minded individuals & organizations with a passion for spurring, developing and advancing Agricultural growth and transformation for the good of the farming Community.

Timothy Njagi



Dr. Timothy Njagi is a seasoned Development Economist with a wealth of experience in the fields of development planning, public policy research, formulation and implementation, and monitoring learning and evaluation. He enjoys working with rural communities to develop sustainable solutions to social and economic challenges. His current research focus is on farm productivity, technology adoption, credit, governance, and impact evaluation. He holds a PhD in Development Economics from the National Graduate Institute for Policy Studies (GRIPS) and is currently a researcher with Tegemeo Institute of

Agricultural Policy and Development. He is a member of the International Association of Agricultural Economists, African Association of Agricultural Economists, African Evaluation Association, Institute of Economic Affairs, Kenya, and Evaluation Society of Kenya.

Nancy Laibuni



Nancy Laibuni is a Policy Analyst at the Kenya Institute for Public Policy Research and Analysis (KIPPRA) in the Productive Sector Department. Her research interests are in the areas of agricultural policy, value chain analysis and public expenditure. She has several publications to her credit and has advocated on various policy issues in the agricultural sector. Before joining KIPPRA, Nancy worked with the Kenya Agricultural Research Institute (KARI) as Senior Research Officer in the Socio-Economics and Biometrics Division.

Thematic Area 4: Financing Opportunities and Experiences Learned from Other Input Sectors

Chair

Susan Maina, Kenya Markets Trust



Susan is a market systems development expert with more than 10 years of management experience working in economic and private sector development in Kenya. She is currently a Sector Manager at the Kenya Markets Trust (KMT) with key roles in sector strategy development and management of interventions aimed at improving the performance of the Agricultural Inputs market in Kenya.

Susan has been involved in the development of PSD (Private Sector Development) thinking in Kenya and has been part of the BDS (Business Development Services) donor group that has evolved towards the Market Systems Development approach (MSD/M4P). In various capacities, Susan has taken a key lead in facilitating partnerships to unlock co-investments from private sector firms, and supported establishment of new retail strategies that have increased access to quality inputs and private extension support for smallholder farmers.

Susan has strong experience in strengthening long-term relationships between market actors, as well as building capacity of lead firms and other agribusinesses, cultivating BDS providers, partnering with financial institutions to increase access to finance for under-served populations, and working with women- and youth-led MSMEs to increase competitiveness and access to local, regional, and international markets.

Presenters



Agnes Ngare

Agnes is a supply chain professional with over 10 years of experience in customer service, warehousing, distribution, demand management, logistics and ERP Project management. At One Acre Fund, Agnes ensures timely delivery of affordable, quality of fertilizer for over 600,000 smallholder farmers across One Acre Fund's seven countries of operations.



Joseph Mwangangi

Joe passionately believes that appropriate agribusiness interventions have potential to effectively counter Africa's perennial poverty and food insecurity trap. He is an Agribusiness Advisor Board Secretary to AFAP and a founder member/trustee of the Agricultural Markets Development Trust (AGMARK). He has been a key architect and promoter of the Hub-Agrodealer model for distribution of yield enhancing agricultural inputs and technologies in eastern and southern Africa for the last ten years. Joe has over thirty years' involvement in implementing agribusiness development programs for leading international development agencies including TechnoServe, CRS and CNFA. He owns and runs a private company engaged in poultry production and processing for the Nairobi market in Kenya. He has a Masters in Agricultural Development from the University of London.



Esther Muiruri

Esther Muiruri is an Associate Director in charge of Agribusiness at Equity Bank. Esther also serves as a Director in the Board of Equity Insurance Agency a Subsidiary of Equity Group. She graduated with a degree in Business Administration and a Master Degree in Strategic Management from the University of Nairobi.

Before joining Equity Bank, Esther had worked with Government of Kenya in various positions managing agriculture projects working with farmers and other stakeholders in the wider agriculture sector in Kenya.

Esther established the agribusiness department and introduced financing of agriculture value chains through strategic partnerships with players in the agriculture sector. She has served as a member of most agricultural stakeholders' forums in Kenya with objective of making smallholder agriculture commercially sustainable and internationally competitive.



Duncan Onduu

Duncan Ochieng' Onduu is a Kenyan and holds a Master of Arts Degree in Planning obtained from the University of Nairobi in 1997 on a University Scholarship. He is the Executive Officer; Seed Trade Association of Kenya (STAK). STAK was formed in December 1982 under the Societies Act Cap 108 of the laws of Kenya, to represent interests of the seed sector and to promote the development of formal seed trade. The association operated on voluntary basis until July 1999 when an independent Secretariat was set up to co-ordinate its activities in serving the interests of members. STAK is an organization of seed companies which are registered by the Kenya Plant

Inspectorate Services (KEPHIS) to produce, process and/or market seed in Kenya, and includes service providers. To date, STAK has a membership of 38.

STAK's vision is **Championing a Competitive Seed Industry for Food Security**. The mission is **to enable our members grow their businesses while contributing to national and world-wide food security through information, food security and service**.

Before then, he was the Country Manager, The Donkey Sanctuary Kenya, which is an animal welfare organization. Duncan also worked with Self Help Africa (SHA) for seven years as the first Country Director for the Kenyan Programme. He took the organization through the registration process with the NGO Co-ordination Board and the setting up of the existing programmes that are an Integrated Food and Livelihood Security.

He has worked at the University of Nairobi's Department of Urban and Regional Planning as a service lecturer for five academic years; teaching Masters of Planning Students in Sociology of Planning during the academic years 1997/2001 and Master of Architecture in Community Services during the 1998/1999 Academic year and has been a Part Time Lecturer at St. Paul's University-Nairobi Campus and a Sessional Assistant Lecturer at the Technical University of Kenya at the Department of Spatial Planning and Design.

Duncan is a Corporate member of the Kenya Institute of Planners (KIP) No. 0183C coupled with an Environmental Impact Assessment (EIA)/Environmental Audit (EA) training from the Africa Nazarene University and now a Licensed Expert on EIA/EA with National Environment Management Authority (NEMA) Reg. No. 6646.



Evelyn Luseneka

Evelyn Luseneka is the CEO of Agrochemicals Association of Kenya with over 15 years in the pesticide industry which has seen AAK to be the leading pesticide national association in Africa and Middle East. She has extensive experience in both the public and private sector Agriculture industry in Kenya and across the region with involvement in various dialogues in the sector. Evelyn is also an expert in Association Management, Pesticide Risk Management, resource mobilization and Project Management. Prior to becoming CEO, she grew the Stewardship portfolio for the industry where she led projects such as the Spray Service

Provider program, Container Management and was lead in setting up the National Poison Information center at the Kenyatta National Hospital.

She has been instrumental in strengthening the industry reputation by developing partnerships with relevant stakeholders to enhance self-regulation. She has successfully developed strategic partnerships and linkages with various key government and non-governmental agencies such as World Bank, Swedish Government, Danish Government, Netherlands Government (SNV), United States Agency for International Development (USAID) and Centre for Agriculture and Biosciences International (CABI), Kenya Market Trust.

As CEO, Evelyn has transformed the Agrochem industry especially in Regulatory and Advocacy agenda, built strong linkages with various government agencies in Agriculture, environment, trade, Finance and parliament. She has been part of different policy re and formulation processes that affect Agriculture and has been involved in reviewing of various laws and regulations where she has actively participated in streamlining the regulatory agenda of the Agriculture sector.

Evelyn serves in various Agriculture committees and boards under the Ministry of Agriculture and other non-governmental agencies. In addition to this she is an expert in corporate governance.

Way Forward: Proposed Fertilizer Platform

Chair



Ann Onyango, Agriculture Secretary, MOALF&I

Ms. Ann Onyango is currently Agriculture Secretary in the State Department for Crop Development, Ministry of Agriculture, Livestock, Fisheries and Irrigation. My duties include co-ordination of all Technical activities in 3 Directorates and 16 National Projects within the State Department. Deputizing the Principal Secretary in various meetings, Technical Committees and Boards of Parastatals (KALRO, Vision 2030 and Radiation Protection Board). Convener of the Technical Committee that is reviewing the Agricultural Sector Strategy for Transformation and Growth towards 2030. Over 35 years' experience in the Agriculture Sector. I hold BSc in

Agriculture – University of Nairobi (Kenya) and MSc in Agriculture Extension and Rural Development – University of Reading (UK).

Presenters



Carlos Zandamela

An Agronomist with over 30 years of experience in the industry, Carlos Zandamela, President, Mozambican Association for Fertilizers (AMOFERT), Mozambique, has over the years been a key player within the fertilizer industry in Mozambique. With numerous scholarly papers and projects under his belt, Carlos has impacted many and used his skills to support agricultural industries in Mozambique, Philippines, Italy just to mention a few



Alexander Fernando

Alexander Fernando is IFDC's Regional Director for East and Southern Africa based in Nairobi, Kenya. Fernando has 19 years of experience in agribusiness, market systems and value chain development, and management consulting. He previously served as IFDC Portfolio Manager for the region and as Country Representative and Chief of Party of the Agricultural Input Markets Strengthening (AIMS) project in Mozambique.

Prior to joining IFDC, he worked for several development organizations including TechnoServe, DAI, ACDI/VOCA, CNFA, and Chemonics. His focus has been on market systems and value chain development in staple crops, horticulture, livestock, coffee, as well as in agricultural input markets.

Fernando holds a master's degree in international affairs from Columbia University's School of International and Public Affairs (SIPA) in New York and a bachelor's degree in international relations from the University of Pennsylvania.

KeFERT Plenary Session Moderator



Mr. Kinyua M'Mbijjewe

Kinyua M'Mbijjewe is a food and agricultural consultant for Syngenta and AFAP, following 20 years leading Corporate Affairs in Africa for global agricultural companies Syngenta and Monsanto -after 4 years working in the food industry with Del Monte in Kenya.

His focus and ambition is on enabling farmers succeed commercially so that they can better feed Africa, through shaping progressive partnerships that provide predictable markets, quality farm inputs, affordable financial services, good agricultural knowledge, IT solutions and an incentivizing policy environment. In place, these elements spur a dynamic agribusiness environment that stimulates rural prosperity and economic growth.

He is particularly keen on innovative ways to support youth engagement in agribusiness, convinced that young people have the entrepreneurial energy to build successful business' in the food and agricultural space. He is based in Nairobi, is married with two children and is an active farmer.