



# All Africa Horticulture Congress

## Final Program

Day 1		Monday, August 31, 2009	
07:30		Registration (start from Sunday 16:00 at Safari Park Hotel)	
		Opening Ceremony (Plenary Hall): <b>Dr. W. Songa, Chair</b> <b>Dr. S. Mbithi, Master of Ceremony</b> <b>Dr. L. Wasilwa, Rapporteur</b>	
09:00 am to 09:10		Welcoming Remarks: <b>KARI (Dr. E.A. Mukisira, Director)</b>	
09:10 to 10:10		The Place of Horticulture in the NEPAD Agricultural Framework <b>NEPAD (A. Ismail, Deputy Director Regional Office)</b> Horticulture in the International Research for Development Agenda <b>GFAR (Dr. J. Ganry, GCARD facilitator)</b> The Role of Research and Capacity Building in Horticulture Development in Africa <b>FARA (not yet confirmed)</b> Investments in African horticulture: opportunities and challenges Netherlands Embassy ( <b>Dirk Bruinsma, Counsellor for Agriculture, Nature and Food Quality to Kenya, Tanzania and Uganda, also for UNEP</b> ) Horticulture industry in Africa: an overview <b>HCA (T. Shah)</b> Horticulture in Kenya: Milestones <b>HCDA (Joseph Kibe, Chairman)</b>	
10:10 am to 10:30		Objectives and expected outputs of the Congress <b>GlobalHort (Dr. R. Kahane, Executive Secretary)</b> Welcoming Remarks & Invitation of Chief Guest <b>PS Agriculture (Dr. R. Kiome)</b> Official Opening & Opening Speech <b>Minister of Agriculture (Hon. W. Arap Ruto EGH, MP)</b>	
10:30 to 11:20		Health Break Group Picture Taking Official Opening of the Exhibition	
11:20 pm to 11:50		Keynote Addresses: Information on the global picture of horticultural science <b>ISHS (Dr. J. Van Assche, Secretary General)</b> An overview of Horticulture in Africa <b>FAO (Dr. Alison Hodder, Head of Horticulture Division)</b>	
11:50 to 13:10		Plenary Session- Lead Papers (Plenary Hall) <b>Dr. C. Kedera (KEPHIS), Chair</b> <b>Dr. Remi Kahane, Rapporteur</b>	
11:50 to 12:10		Keynote address Theme 1: Food Security <b>Dr. Pape A. Seck, DG WARDA, Benin</b>	

12:10 to 12:30	Keynote address Theme 2: Nutrition & Health Horticulture works for human health: Case study of schools garden to improve children's education and nutrition <b>Dr. Ellen A. Muehlhoff, FAO Nutrition Division, Italy</b>
12:30 to 12:50	Keynote address Theme 3: Environment & Natural Resources Management Status of horticultural pest management in Africa: Challenges and opportunities in a changing global environment <b>Dr. Christian Borgemeister, DG ICIPE, Kenya</b>
12:50 to 13:10	Keynote address Theme 4-5: Socio-economics, food safety and markets International Trade Opportunities and Challenges for Small Scale horticultural Production Systems <b>Dr. Alfred Serem, HCDA Kenya</b>
13:10 to 14:00	Lunch Break
14:00 to 16:00	Parallel Thematic Sessions
	Food Security (Room 1) <b>Dr. Boade Adebayo, Chair</b> <b>Dr. Subramanian Sevgan, Rapporteur</b>
14:00 to 14:20	Agricultural production: The cornerstone for integrated rural village renewal <b>du Preez R.</b>
14:20 to 14:35	The Role of Postharvest Horticulture on TOTAL Food Security in Africa <b>Opara U.L.</b>
14:35 to 14:50	Effect of Fertilizer Inputs on the Yield and Quality of <i>Solanum aethiopicum</i> <b>Ddamulira G., Sseruwagi P., Mayamba A., Logose M., Kasambula P.</b>
14:50 to 15:05	Vegetable production in Egypt <b>Habashi A.H.</b>
15:05 to 15:20	Thirty years of horticultural research in Botswana: the contribution of research to successful development of an irrigated horticulture sector <b>Wiles G.C., Machacha D.</b>
15:20 to 15:35	Food security, food safety and wealth creation: the role of Embrapa Vegetables in the sustainable development of vegetables crops production in Africa <b>Moretti C.L., Vieira J.V., Nascimento W.M.</b>
	Human Health, Nutrition & Lifestyle Horticulture (Room 2) <b>Ellen A. Muehlhoff, Chair</b> <b>James Muthomi, Rapporteur</b>
14:00 to 14:20	Street foods in Nairobi, Kenya: their role as a source of micronutrients in low income groups <b>Oyunga-Ogubi M.A., Waudu N.J., Afullo A., Oiyee S.O.</b>
14:20 to 14:40	Utilisation of indigenous plant resources for health and food security in Swaziland <b>Shongwe V.D., Masarirambi M.T.</b>
14:40 to 15:00	The potential of indigenous fruit trees in homegardens of Central Sudan and Eastern Kenya for improving nutrition and income of rural communities in the face of climate change <b>Kehlenbeck K., Jamnadass R., Gebauer J., Buerkert A.</b>
15:00 to 15:20	Embracing Horticulture for Self-Sustainability among Households Living with

15:20 to 15:40	HIV/AIDS in western Kenya <b>Ng'ang'a M.N., Nyabinda N., Anyama B., Ludman N.</b> Discussion
	Socio-Economics, Food Safety, and Market Issues (Room 3) <b>Dr. Elsa du Toit, Chair</b> <b>Wangai J. Kimenju, Rapporteur</b>
14:00 to 14:20	Africa – U.S Trade Relations in the Horticultural Sector <b>Odularu G.O.</b>
14:20 to 14:35	Residual effect of phosphorus on amaranth production in the tropics <b>Ojo D.</b>
14:35 to 14:50	Framework and synthesis for assessing the impact of production standards on stakeholders in Kenyan vegetable export production <b>Mithöfer D., Asfaw S., Ehlert C., Mausch K., Waibel H.</b>
14:50 to 15:05	South African Citrus Farmers' Perceptions of the Benefits and Costs of Complying with the GLOBALGAP Protocols on Fresh Citrus Exports to the European Union (EU) <b>Darroch M. A.G., Ndlovu P.</b>
15:05 to 15:20	Fruit farmers' challenges and GlobalGAP norms requirements in Toamasina, Madagascar <b>Ramananarivo R., Ramananarivo S., Imbiky H. , Mahafeno A.O., Raharijaona L.J.</b>
15:20 to 15:35	Evidencing and reducing the carbon footprint of Kenyan export horticultural crops – challenges and opportunities <b>Bingley E., Shah H.</b>
14:00 to 17:30	Side Event: ICIPE Workshop on IPM in Horticultural Production Systems (Room 4) <b>Dr. Christian Borgemeister, Chair</b> <b>Dr. Chabi Olaye, Rapporteur</b>
14:15 to 14:30	IPM as an effective mean to control plan pests under GAP conditions <b>Abd El Moity T.H.</b>
14:30 to 14:45	Seed treatment with micronutrients and antioxidants as a new strategy for controlling pathogenic fungi affecting cucumber <b>Yousef S.A.M., Ahmed H.M.I.</b>
14:45 to 15:00	Management of alien invasive insect pest species of fruits and vegetables: Experiences from East Africa <b>Nyambo B., Subramanian S., Chabi-Olaye A., Ekesi S.</b>
15:00 to 15:15	Biological control of the Diamondback Moth, pesticide use and farmers' health in crucifer production in Kenya and Tanzania <b>Mithöfer D., Jankowski A., Löhr B., Waibel H.D.</b>
15:15 to 15:30	Pesticide use in horticultural production in Africa in a changing Global environment <b>Bashir N.H.H.</b>
15:30 to 15:45	Integrated Pest Management training and information flow among smallholder horticulture farmers in Kenya <b>Bekele N., Mithöfer D., Amudavi D., Obare G.</b>

15:45 to 16:00	On-tree fruit bagging for fruit disease and pest control <b>Runkuaa J.M., Mathooko F.M.</b>
16:00 to 16:15	Integrated Pest Management in Ethiopian Rose Horticulture <b>Elings A., den Belder E., Yilma Y., Dawd M., Lemessa F.</b>
16:30 to 17:30	Discussion/Round Table
	Sub-theme: Environment and Natural Resources Management (Room 1) <b>Dr. André De Jager, Chair</b> <b>Dr. Brigitte Nyambo, Rapporteur</b>
16:00 to 16:20	Vertical Farming to Rwanda Small Scale Tomato Farmers - a case study in COPAR-IMENA tomato growers cooperative <b>Ndayambaje, Jean Claude</b>
16:20 to 16:35	Horticultural agroecology research and education programs in Africa <b>de Bon H., Ratnadass A., Lançon J., Vayssières J.-F., Diarra K., Bordat D., Malézieux E.</b>
16:35 to 16:50	Use of <i>Tithonia diversifolia</i> and Compost as soil amendments for growth and yield of <i>Celosia argentea</i> <b>Shokalu A.O., Ojo A.O., E-Adewoyin D.T., Akintoye H.A., Idowu, A.A.</b>
16:50 to 17:05	Importance of wetlands ecosystems to livelihoods and rural economy: role of horticultural crop production in the Volta Basin (Ghana and Burkina Faso) <b>Atibila J., Fraser E.D.G.</b>
17:05 to 17:20	Participatory evaluation of 15 African Eggplant Varieties for Fruit Production in Mali <b>Diouf M., Abdourhamane I.K., Akyeampong E.</b>
17:20 to 17:30	Participatory Variety Evaluation, Selection, and Release of Late Blight Resistant Tomato Varieties in Tanzania <b>C. O. Ojiewo, I. S. Swai, M. O. Oluoch, D. Silué, R. Nono-Womdim, P. Hanson</b>
16:00 to 18:00	Side Event: FAO on Urban Horticulture/City Supply (Room 2) <b>Dr. Alison Hodder, Chair</b> <b>Dr. Monicah Waiganjo, Rapporteur</b>
16:00 to 16:20	The integration of UPA in agriculture policy and strategy in Kigali <b>Kacyira A.K.</b>
16:20 to 16:40	The organizational set up and achievements of UPA in the Democratic Republic of Congo <b>Gwabiza I.</b>
16:40 to 17:00	The impact of urban and peri-urban horticulture on the livelihood of smallholder farmers in Nairobi <b>Runkua J.M., Kamore J., Kamau W.</b>
17:00 to 17:20	Characterizing changes in urban landscape of Nairobi city, Kenya <b>Njoroge J.B.</b>
17:20 to 17:30	Strategies for minimizing health risk of wastewater for poor farmers in the urban environment <b>Keraita B.</b>
17:30 to 17:40	Proposal for an international colloquium on UPA <b>Nono-Womdim R., Hodder A., Baudoin W.</b>

17:40 to 18:00	Roundtable discussion <b>Panel composed of Aisa Kirabo Kacyira, Israel Gwabiza, Stephen MBithi, Ellen A. Muehlhoff, R. Nono-Womdim, Alison Hodder and Wilfried Baudoin</b>
	Socio-Economics, Food Safety and Market Issues for Poverty Alleviation & Wealth Creation (Room 3) <b>Dr. Hannah Jaenicke, Chair</b> <b>Nancy Muthoka, Rapporteur</b>
16:00 to 16:20	Strengthening the impact of horticulture on social development – a Ghanaian example <b>Kumah P.,</b>
16:20 to 16:35	The Impact of Micro-credit in Production of Tissue-cultured Banana in Arumeru District, Tanzania <b>Nguthi F.N. Karembu, M.G. Mbwana A</b>
16:35 to 16:50	Assuring Quality and Safety in fresh Fruits and Vegetables <b>Theophilus M. Mutui</b>
16:50 to 17:05	Facilitating Farmers' Investment Decisions: Enterprise Budgets for Market Oriented Mango Farming in Kenya <b>Eberhard Krain, Arshfod Ngugi, Ndung'u D. Ndegwa and Njeru J. Muriithi</b>
17:05 to 17:20	The effect of silicon on 'Hass' avocado fruit physiology <b>Kaluwa, K., Bertling, I. and Bower, J.P.</b>
17:20 to 17:35	Effect of ripening on eating quality of Keitt mango chips <b>Appiah F., Kumah P., Idun I., Lawson J.R.</b>
17:35 to 17:50	Discussion
17:50 to 18:30	Posters & Exhibition
17:50 to 18:30	Hortivar free training session
18:30 to 20:00	Cocktail Compliments of Crops for the Future
<b>End of Day 1</b>	

**Day 2 Tuesday, September 1, 2009**

08:03-13:45	Plenary Session- Where are we today? (Plenary Hall) <b>Moderators for Discussion, Chairs</b> <b>D. Mithoefer, P. Sseruwagi and S. Mapatano Rapporteurs</b>
	Horticulture Development Programs
08:30 to 08:45	Northern Africa
08:45 to 09:00	Southern Africa
09:00 to 09:15	East Africa Competence-based capacity building for sustainable horticulture development in East Africa - <b>André de Jager</b>
09:15 to 09:30	West Africa <b>Camara Tomane</b>
09:30 to 09:45	Central Africa <b>Aboubakar Njoya</b>
09:45 to 10:15	Discussion <b>Bibi Giyoshe</b>
10:15 to 10:30	Health Break
	Horticultural Research Programs
10:30 to 10:45	Ghana <b>Patrick Kumah</b>
10:45 to 11:00	Kenya <b>Lusike Wasilwa</b>
11:00 to 11:30	AVRDC- Regional Center for Africa <b>Abdou Tenkouano</b>
11:30 to 11:45	WARDA <b>Papa A. Seck</b>
11:45 to 12:00	Discussion <b>Jacky Ganry</b>
12:00 to 12:15	Health Break
	Horticulture Industry
12:15 to 12:30	Global Cold Chain Alliance <b>William Hudson</b>
12:30 to 12:45	TAHA - East Africa Community <b>Jacqueline Mkindi</b>
12:45 to 13:00	ORFL – West and Central Africa <b>Mamy Keita, Gaston Boué</b>
13:00 to 13:15	Public-Private Partnerships in Kenya's Horticulture with reference to the

	National Taskforce on Horticulture <b>Joseph Kigamwa</b>
13:15 to 13:54	Discussion <b>S. Mbithi</b>
13:00 to 14:00	Lunch Break
14:00 to 16:00	Parallel Sessions
	Food Security (Room 1) <b>Jacqueline Mkindi, Chair</b> <b>Dr. Sunday Ekesi, Rapporteur</b>
14:15 to 14:30	Influence of Plant Density and Inorganic Fertilizer on the Productivity of Carrot ( <i>Daucus Carota</i> ) in Highland Region of Rwanda <b>Nsabimana J. de Dieu, Akinyemi S.O.S.</b>
14:30 to 14:45	Clay Pot Pitcher Irrigation: A New Dimension for Homestead Fruit Production under Dryland Environments <b>Woldu Z.</b>
14:45 to 15:00	Important management strategies that reduce fungal diseases and ensure a healthy crop in Passion fruit production systems in Kenya <b>Amata R.L., Otipa M.J., Waiganjo M., Wasilwa L., Kinoti J I., Kyamanyua S., Erbaugh M.</b>
15:00 to 15:15	Application of Next Generation Sequencing to plant pathogen studies <b>Rees J.G.</b>
15:15 to 15:30	Participatory Selection of sweetpotato [ <i>Ipomoea batatas</i> (L.) Lam.] Varieties using Mother and Baby trial approach in western Kenya <b>Kwach J.K., Odhiambo G.O., Dida M.M., Gichuki S.T.</b>
15:30 to 15:45	Effect of Fresh and Decomposed Cassava ( <i>Manihot utilisima</i> Pohl.) Peels on the Growth of Breadfruit ( <i>Artocarpus altilis</i> Fosb.) Seedlings <b>Olomola A., Adams A. B., Abiola I. O., Fakorede C. O.</b>
15:45 to 16:00	Discussion
	Socio-Economic, Food Safety and Market Issues (Room 2) <b>Dr. Romaine Ramanarivo, Chair</b> <b>Johnson Irungu, Rapporteur</b>
14:00 to 14:15	Service provision in smallholder horticulture value chain development <b>Onduru D., van Casteren J.W., de Jager A., Wiersinga R., Nijhoff H.</b>
14:15 to 14:30	A cross - country analysis of cut-flower and foliage exports: the case of Kenya <b>Muthoka, N.M., Omiti, J.M., Ndirangu, L., Waiyaki, N.</b>
14:30 to 14:45	Can Horticultural scientists do things differently in the changing knowledge production terrain? Lessons from Biotechnology Innovation System <b>Kingiri A.</b>
14:45 to 15:00	Cultural Methods for Managing Nematodes on Vegetables and Ornamentals <b>Westerdahl B. B.</b>
15:00 to 15:15	The Physiological Importance of Maintaining the Cold Chain for Avocado Fruit Quality <b>Blakey R.J., Tesfay S.Z., Mathaba N., Bower J.P., Bertling I.</b>

15:15 to 15:30	The export potential of South African edible nuts: The special case of macadamia nuts <b>Sithole N., Viviers W.</b>
15:30 to 15:45	Discussion
Environment & Natural Resources Management (Room 3) <b>Dr. Hannah Jaenicke, Chair</b> <b>Solomon I. Shibairro, Rapporteur</b>	
14:00-14:15	Bioenergy from <i>Jatropha curcas</i> , promises, possibilities and problems in Kenya <b>Munster C., Iiyama M., Jamnadass R.</b>
14:15-14:30	Efficacy of plant promoting rhizobacteria for control of bacterial wilt on tomato <b>Adebayo O.S.</b>
14:30 to 14:45	Morphological Characterization of African eggplant germplasm in some African countries <b>Osei M.K., Oluoch M.O.</b>
14:45 to 15:00	Induction of resistance in plants: A novel strategy to control diseases in African horticulture <b>Monot C., Pajot E., Aveline N., Penguilly D., Le Corre D., Silué D.D.</b>
15:00 to 15:15	A Comparison of Irrigation System Efficiencies, Economics, and Applications <b>Onken B.</b>
15:15 to 15:30	Tomato Breeding in sub-Saharan Africa: Past, Present, and Future Prospects <b>Fufa F., Hanson P., Dagnoko S., Yeboah M., Dhaliwal M.</b>
15:30 to 15:45	Evaluation of vegetable amaranth collections for yield and horticultural traits <b>Dhaliwal M.S., Wanduku N., Kouamé C.</b>
Side Event: AVRDC-RCA Colloquium on Vegetable Seed Industry in Africa (Plenary Hall) <b>Dr. Jackie Hughes, Chair</b> <b>Ronia Tanyongana, Rapporteur</b>	
14:00 to 14:15	Welcome address <b>Abdou Tenkouano</b>
14:15 to 14:30	Brief overview and objectives <b>Jackie Hughes</b>
14 :30 to 14:50	Harnessing the potential of vegetable seed industry in Africa- locally developed varieties vs imported ones <b>Edo Liong Lin</b>
14:50 to 15:10	The Vegetable seed regulatory systems in Africa: What can be done to expedite commercialization of improved varieties? <b>Tasiana Maingu ( to be confirmed )</b>
15:10 to 15:30	The role of Agro-dealers/businesses in vegetable seed commercialization in Africa and critical linkages in sustainable see supply <b>George Onyango Miruka</b>
15:30 to 15:45	Discussion
15:45 to 16:00	Health break

	<p>Side Event: AVRDC-RCA Colloquium on Vegetable Seed Industry in Africa (Plenary Hall)  <b>Dr. Jackie Hughes, Moderator</b>  <b>Ronia Tanyongana, Rapporteur</b></p>
16:00-17:30	<p>Round Table with panel from Policy, Research and Technical sectors:</p> <ul style="list-style-type: none"> <li>- <b>Hon. Mr. Romano Kiome</b> Permanent Secretary of Ministry of Agriculture, Kenya</li> <li>- <b>Hon. Mr. Mohammed Said Muya</b> Permanent Secretary of the Ministry of Agriculture, Food Security and Cooperatives, Tanzania</li> </ul> <p>And <b>Richard Jones (ICRISAT), Harold Roy Macauley (CORAF-WECARD), Moses Onim (Lagrotech Ltd.), Azaria Soi (Simlaw Seed Ltd.), Guy Blaise Satsa (Tropicasem), Sonia Venter (R&amp;T), Fatunbi Oluwole (FARA), Baldwin Shuma (Tanzania Seed Traders), Obongo Nyachae (Seed Trade Association of Kenya), Joseph De Vries (AGRA)</b></p>
15:45 to 16:00	Health Break
16:00 to 18:00	Working Group Meetings (working out applied recommendations and work plan for developing horticulture at the continental level)
16:00 to 18:00	<p>Working Group 1: Policy and Training (Government Institutions) (Room 1)  <b>Geoffrey Kirenga (Min Agric, Tanzania), Moderator</b></p>
16:00 to 18:00	<p>Working Group 2: International Research and Development (International Institutions) (Room 2)  <b>Ron Voss (UC Davis, USA). Moderator</b></p>
16:00 to 18:00	<p>Working Group 3: Private Sector (Farmers and Trade Organizations) (Room 3)  <b>André De Jager (WUR, The Netherlands), Moderator</b></p>
18:00 to 18:30	Hortivar free training session
18:00 to 18:30	Exhibition/Posters
18:30 to 20:00	<p>Round Table (Plenary Hall): How to network the diverse and often fragmented community of African horticulturists? Are regional innovation platforms for horticulture a proper answer, and under which conditions?  <b>Dr. Juergen Anthofer (GlobalHort, Tanzania), Moderator</b>  <b>Panel: NEPAD, IFAP (East Africa), CoP Horti (West Africa), WUR (NL) and Horticulture CRSP (USA)</b></p>
<b>End of Day 2</b>	

Day 3		Wednesday, September 2, 2009	
08:00 to 18:00	Parallel Field Excursions (Departure from the venue, Safaripark Hotel)		
	Group 1 - Production : Small scale and large scale production in Thika area		
	Group 2 - Post-harvest processing : Frikogen, Wakulima market and Jomo Kenyatta International Airport		
	Group 3 - Integrated Pest and Disease Management : Dudutech, Homegrown and some small scale farmers		
17:00 to 18:30	Hortivar free training session		
19:00 to 22:00	Gala Dinner hosted by the Kenyan Ministry of Agriculture at Safari Park Hotel Presentation of Awards		

Day 4		Thursday, September 3, 2009	
08:30 to 10:00	Plenary Session- Forum on Africa Horticulture (Plenary Hall) <b>Dr. David Sammons, Chair</b> <b>Dr. Joseph Kigamwa, Rapporteur</b>		
08:30 to 09:00	Reports from plenary sessions <ul style="list-style-type: none"> <li>• Rapporteurs' synthesis</li> </ul>		
09:00 to 09:30	Reports from working groups <ul style="list-style-type: none"> <li>• Rapporteurs' synthesis</li> <li>• Round Tables synthesis</li> </ul>		
09:30 to 10:00	Congress resolutions: <ol style="list-style-type: none"> <li>1. Future congresses (Dates and Venue for the next All Africa Horticulture Congress)</li> <li>2. African Horticulture Journal</li> <li>3. African Horticulture Council</li> <li>4. Co-ordination of Regional Platforms</li> <li>5. Greater collaboration among international agencies</li> <li>6. Platforms for public-private partnership on horticulture in Africa</li> </ol>		
10:00 to 10:30	Health Break		
10:30 to 11:00	Conference Communiqué <b>Dr. Rémi Kahane, GlobalHort</b>		
11:00 to 11:30	Closing Ceremony		
11:30 to 12:30	Hortivar free training session		