

Achieving an African Green Revolution: AGRA and the Fertilizer Procurement Program

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Effect of global price increases on import costs, SSA

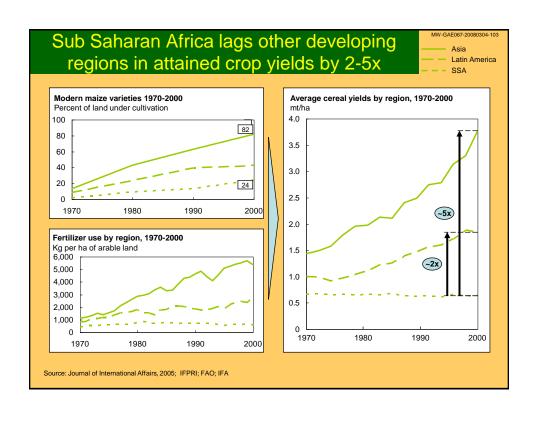
	2005	2006 (US\$	2007 billion)	2008*	Increase 2007 to 2008
Rice	1.82	1.94	2.07	5.76	278 %
Maize	0.57	0.71	9.49	14.3	151 %
Wheat	2.09	2.63	3.49	4.96	142 %
Fertilizer	1.30	1.33	1.90	3.69	194 %
TOTAL	5.78	6.61	16.98	28.71	169 %

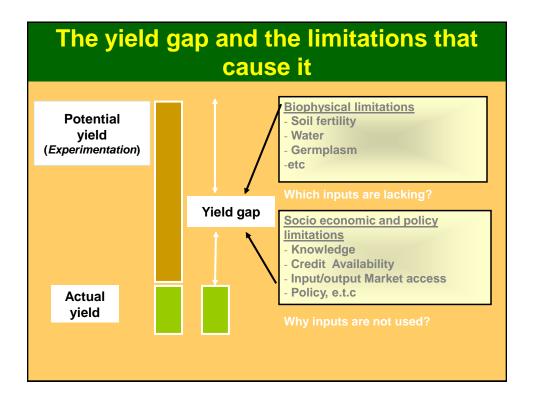
Note: Physical quantities of imports held constant across all years

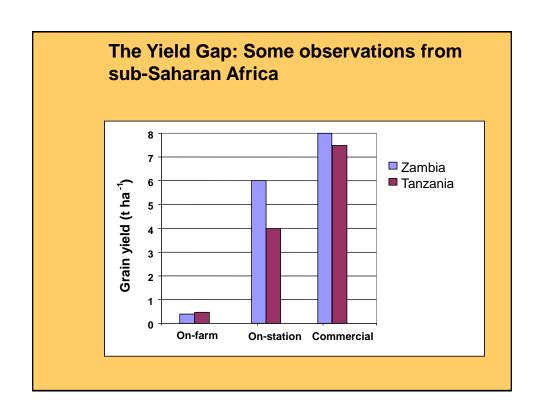
Land degradation

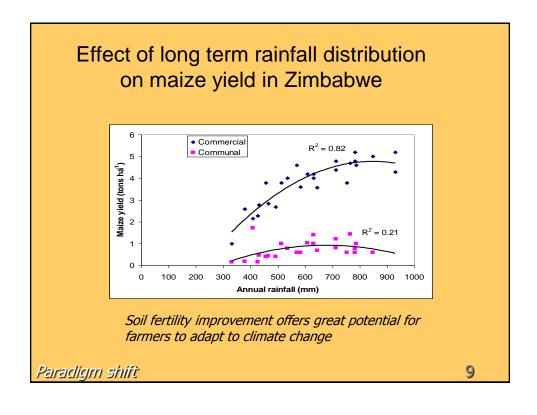
- Africa looses equivalent of \$4b per year due to soil nutrient mining
- An estimated \$42b in income is lost and 6 million hectares of productive land threatened every year due to land degradation
- Despite about U\$ 20b of commercial imports and U\$ 2b of food aid, 26% of the people are undernourished
- Unsustainable soils for crop production occupy 55%, Prime 9.6%, high potential 6.7% and medium and low potential 28.3%

Introduction

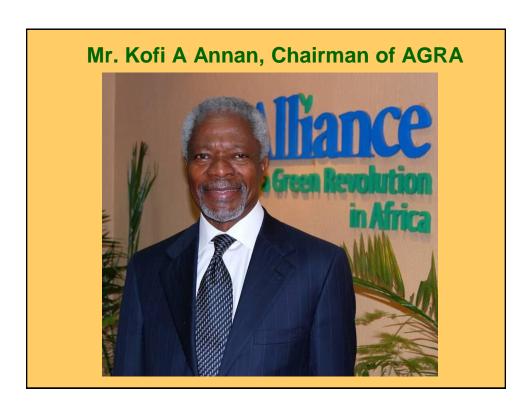


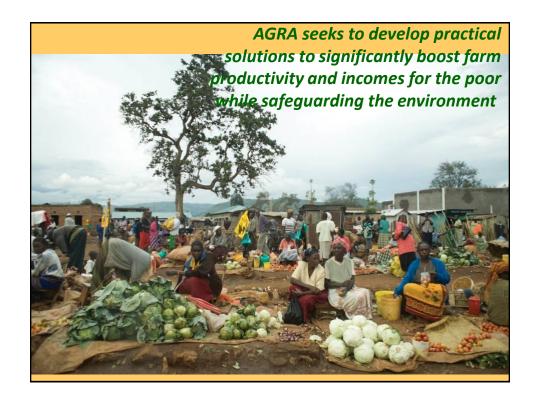


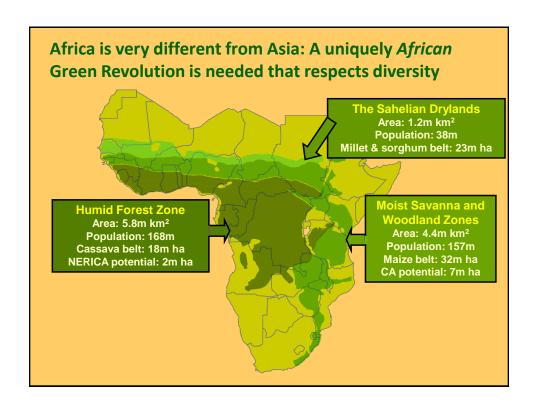


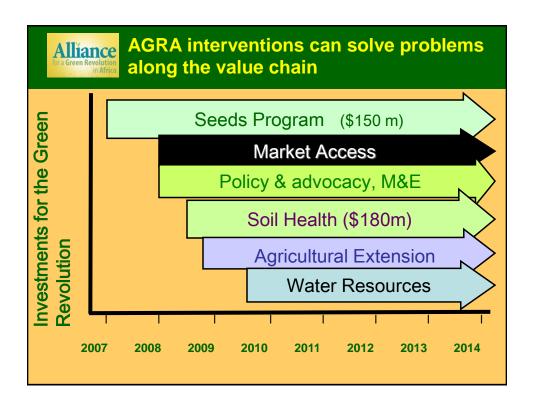














Program for Africa's Seed Systems (PASS)

The first and catalytic initiative of AGRA, PASS consists of 4 sub-programs:

- 1. Education for African Crop Improvement
- 2. Improvement and Adoption of African Crops
- 3. Seed Production for Africa
- 4. Agro-Dealer Development Program



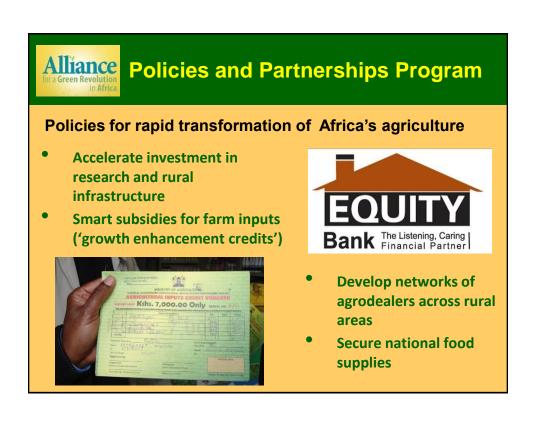
Market Access Program

The program's global objective:



Build efficient and well-integrated input markets through which farmers can buy supplies and output markets that enable farmers to sell their harvest in order to encourage farmers to adopt sustainable agricultural technologies.





Turning point on hunger in Africa: Malawi feeds a hungry nation

- 2005/06: \$50m subsidy distributed by the government
- 2006/07: \$60m "smart subsidies" alloted to farmers
- 2006/07: Private sector distributed inputs for the first time

Private sector sold \$25m of seeds and fertilizers

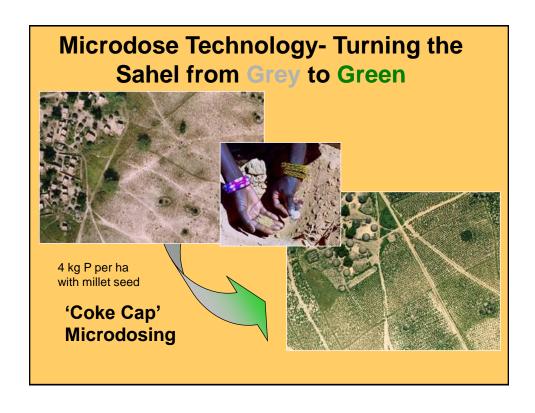
A Malawian Green Revolution

400,000 MT surplus in 2005/06

900,000 MT surplus in 2007

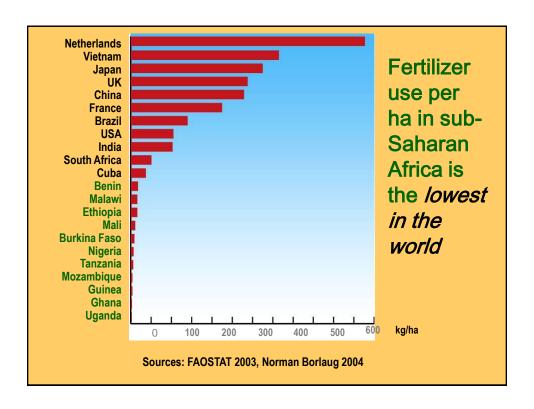
Exports \$ 160 million of maize

Donates 10,000 MT of maize to Lesotho and Swaziland!





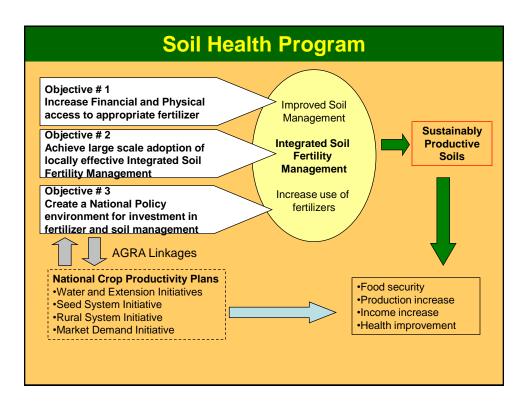






Opportunities and leverage points for increasing soil health

- 1. Support the fertilizer distribution channel
- 2. Promote fertilizer use and improved soil management at large scale
- 3. Advocate and provide knowledge and technical support for policy change that improves fertilizer procurement
- 4. Transfer knowledge to farmers
- 5. Improve technologies and data resources for soil health management and train and network the next generation of soil scientists



SHP Sub-Programs

1. Fertilizer Supply Program (FSP)

Focuses on the production and distribution (i.e. importing and wholesale) elements of the fertilizer supply chain

2. Soil health training sub-program (SHTP)

 Seeks to work with national governments to invest in African extension workers, technicians and scientists to facilitate the development and extension of new and existing ISFM technology packages

SHP Sub-Programs

3. Soil health research sub-program (SHRP)

 Focuses on supporting the development, adaptation and fine-tuning of ISFM technologies

4. Soil health extension sub-program (SHEP)

 Focuses on scaling up ISFM technological packages to thousands of farmers

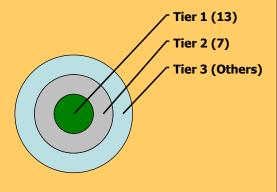
Country engagement strategy: The 3-Tier Approach

Tier 1:

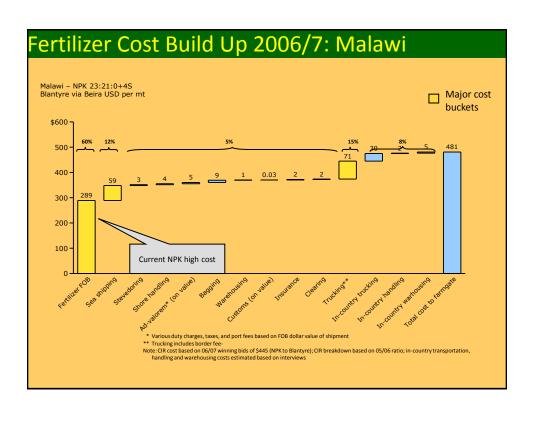
- Kenya, Uganda, Tanzania, Ethiopia, Rwanda
- Burkina Faso, Ghana, Mali, Nigeria, Niger
- Malawi, Zambia, Mozambique

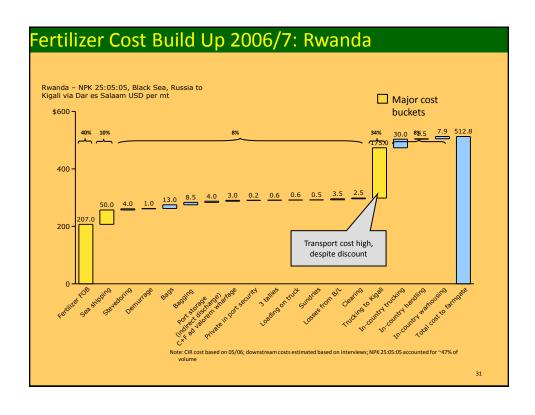
Tier 2:

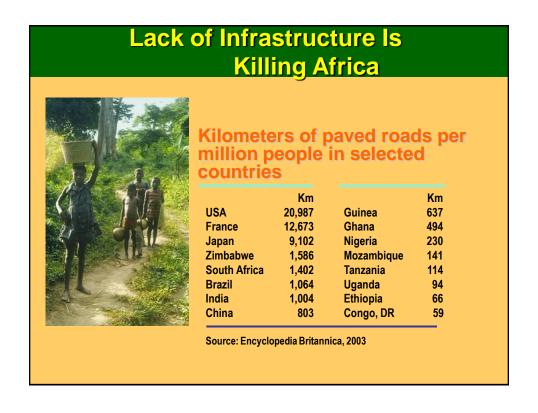
Cameroon; Senegal; Sierra Leone, Cote d'Ivoire, Madagascar, Benin and the Democratic Republic of Congo



The Africa Fertilizer Financing Mechanism (AFFM)



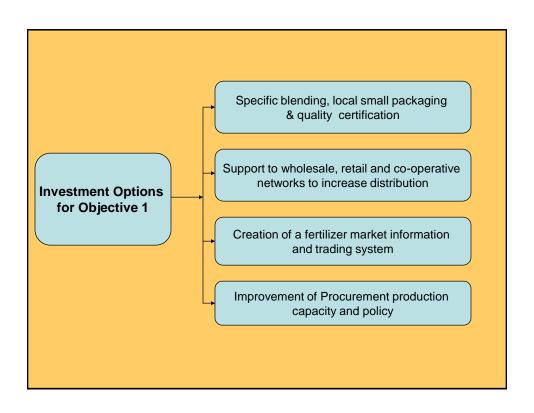




Increase financial and physical access to appropriate fertilizer

Goals

- Development of the fertilizer supply chain
- Improvement by 20% of fertilizer agronomic efficiency
- Package at affordable cost
- Price reduction at the farm gate by 15%



The Africa Fertilizer Financing Mechanism (AFFM)

- AGRA is partnering with the AfDB and other stakeholders to roll out the implementation of the AFFM
- Various consultation have been ongoing on the on how to develop the African Regional Fertilizer Procurement Facility (ARFPF)

Activities of the AFFM

- Developing policy instruments
- · Building capacity in soil fertility and research
- Developing Africa's fertilizer blending and manufacturing capacity
- · Providing credit guarantees
- · Regional fertilizer facilities
- Organizational activities-coordination and linkages among public and private partners

African Regional Fertilizer Procurement Facility (ARFPF)

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Objective:

- To review the status of plans for the East and Southern Africa Consultation Meeting on the establishment of African Regional Fertilizer Procurement Facility (ARFPF)
- This meeting was to be held in Nairobi, Kenya on the 23 of February 2009 but has been postponed till April
- Planning for a similar meeting for the West Africa region

The Expected Output of these meetings

 The Ministers will be expected to reach agreement on the organization structure and the modality of operation of the an African Regional Fertilizer Procurement Facility (ARFPF)

African Regional Fertilizer Procurement and Distribution Facility Models

- Following consultancies, 4 models for the ARFPF have been proposed
- Two examples are presented here:
 - Modified Petroleum Distribution Model by Fela Aromolaran
 - Africa Fertilizer Procurement Facility (AFPF): Phase
 1: East Africa by KaiZen Innovation, LLC, USA

Modified Petroleum Distribution Model

Ву

Fela Aromolaran

Africa Fertilizer Procurement Facility (AFPF): Phase 1: East Africa

By

KaiZen Innovation, LLC, USA

Local Production

- Small Scale Dry Blending At Regional Centers And Close To Farm Gates
- Regional Dry Blending
- Compact Blending
- Compound Blending
- Using Africa's Mineral Deposits
- Full Fledged Manufacturing In Africa

A better, more secure future:

A new, efficient, dynamic and competitive agricultural sector will unlock hope for millions of children!





