FERTILIZERS: KEY TO ACHIEVING HUNGER AND POVERTY GOALS IN AFRICA

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Millennium Declaration

- Adopted by UN Member States in 2000
- A set of 8 goals to reduce by 2015
 - Hunger
 - Poverty
 - Illness
 - Ignorance





MDG # 1:

To cut hunger and poverty in half by 2015



Progresss at the MDG midpoint?

- Modest results
- Under 5 underweight declined 33% → 29%
- Earning under \$1/day declined 46%→41%







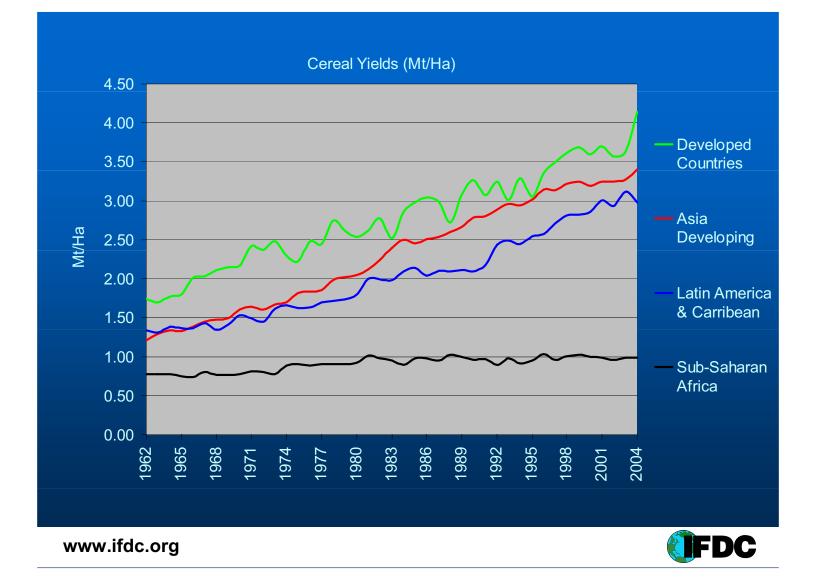


Africa's Agricultural Situation

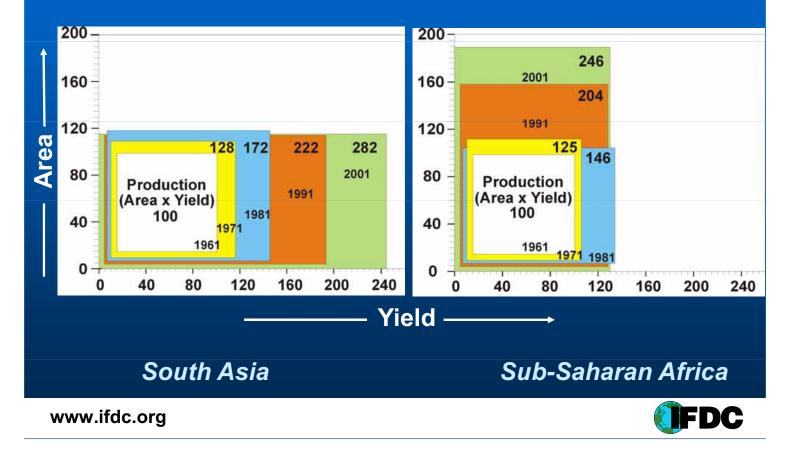
Three ways to assess:

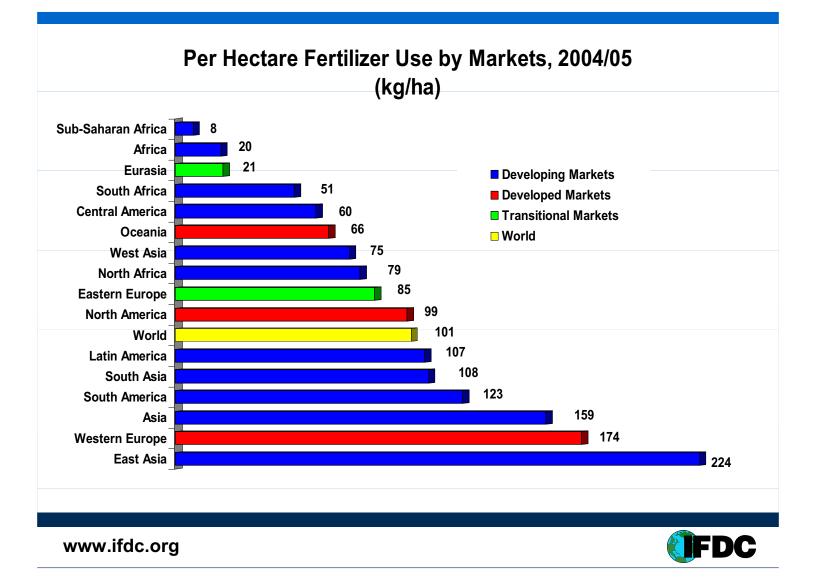
- Production (positive)
- Per Capita Production (negative)
- Productivity (negative)

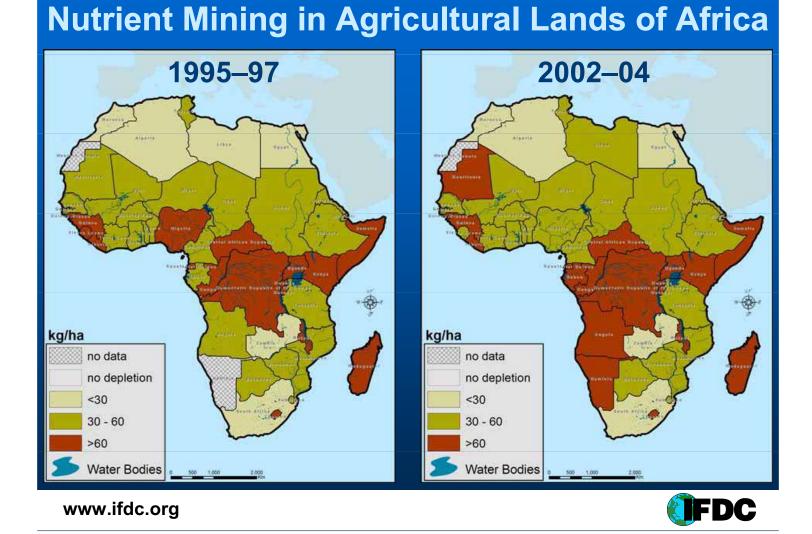










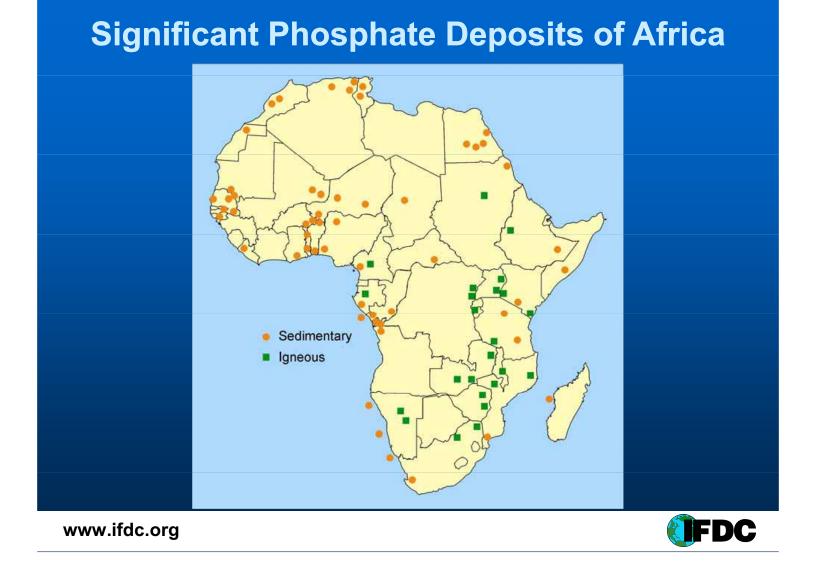


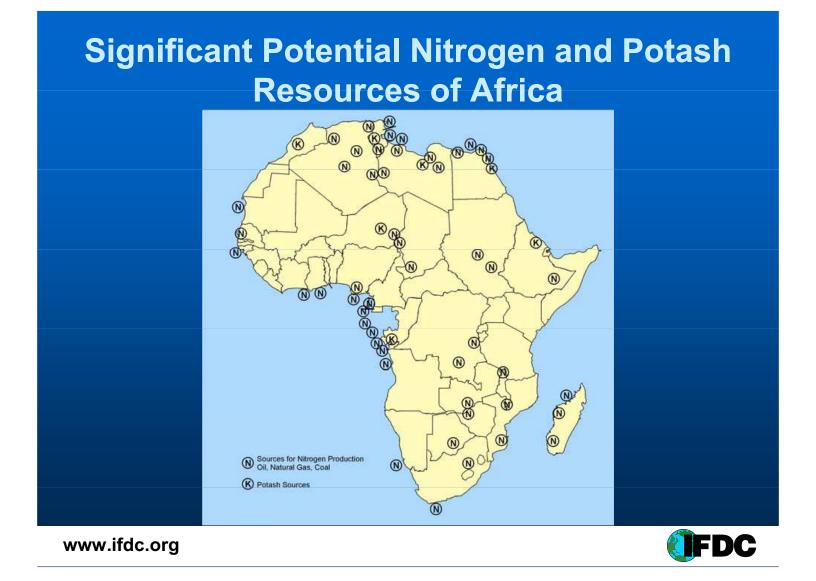
Soils in Africa are so severely depleted that they represent a major constraint to agricultural productivity.

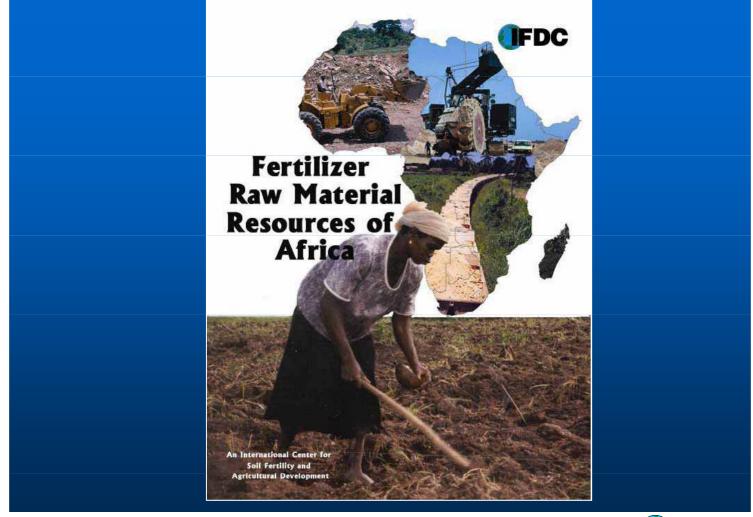


Continent in need of fertilizer is well endowed with fertilizer resources

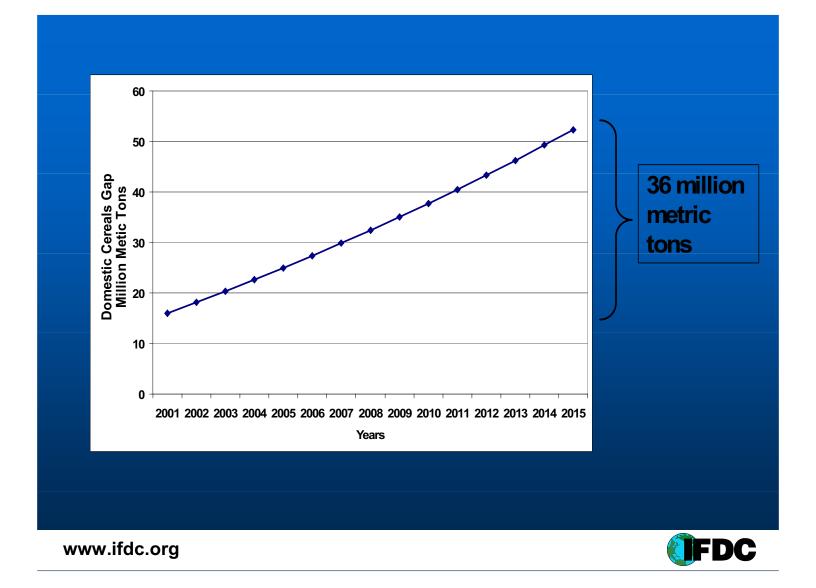












How can Africa close the cereal gap?

- Expand land under cultivation by 36 million hectares by 2015 (47% increase)
- Import 36 million tons more of cereals per annum by 2015 (\$7.2 billion @ \$200/ton)
- Import 7 million tons of fertilizer per annum by 2015 (\$2.5 billion @ \$350/ton)



The Africa Fertilizer Summit

June 9 – 13, 2006



Guiding Principle

 Inorganic fertilizers are essential for agricultural growth to achieve African Green Revolution – but they are not enough

Holistic approach needed to improve:

- Access: Increase volume, range, and quality of inputs using commercial channels
- Affordability: Reduce the price of all inputs
- **Incentives:** Improve functioning of the output markets





Major Actors

- Summit Chairman: H.E. Olusegun Obasanjo
- Convened by AU/NEPAD, hosted by the Federal Government of Nigeria
- Organization and implementation facilitated
 - Eminent Persons' Group
 - Technical Committee
 - IFDC and NEPAD Summit Secretariats
 - National and Local Organizing Committees
 - Communications Strategy Group
- Sponsored by multi-donor group
- www.AfricaFertilizerSummit.org



Format June 9-10: Technical Session June 11: Stake Holders' Meetings

- June 12: Ministerial Meeting
- June 13: Meeting of the Heads of State



Abuja Declaration

Fertilizer is Crucial for Achieving an African Green Revolution

Fertilizer is a Strategic Commodity Without Borders

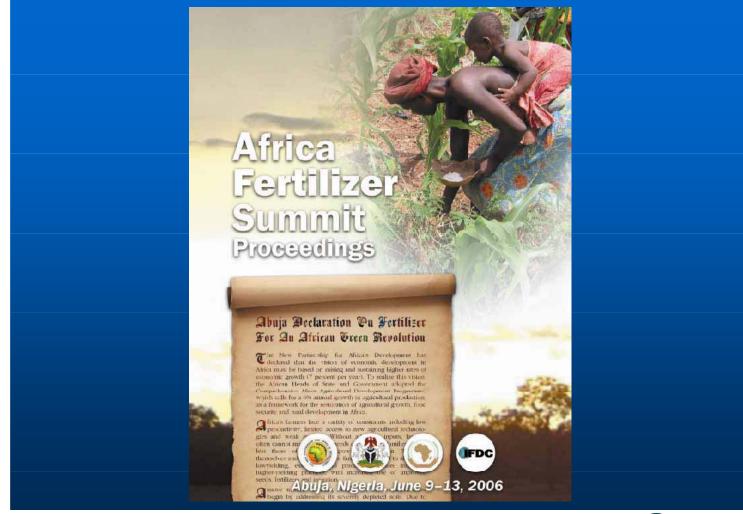
Twelve Resolutions Adopted



AFS- Priority Actions

- Agro-dealer development
- National Agricultural Input Credit Guarantee Facilities
- "Smart" subsidies for the poor and vulnerable
- Regional procurement and production to realize economies of scale
- Fertilizer Development Financing Mech.







Environmental Sustainability

Are MDG 1 (hunger and poverty) and MDG 7 (environmental sustainability) compatible?



Environmental Consequences of Fertilizer Use

Overuse

- Groundwater/aquifer pollution
- Underuse
 - Poor yields
 - Nutrient mining
 - Land expansion

Smalling finds the latter more prevalent in Africa



MDG 7 and Fertilizer

Continued removal of nutrients from the soil without replenishment and continued expansion into new lands is not sustainable.

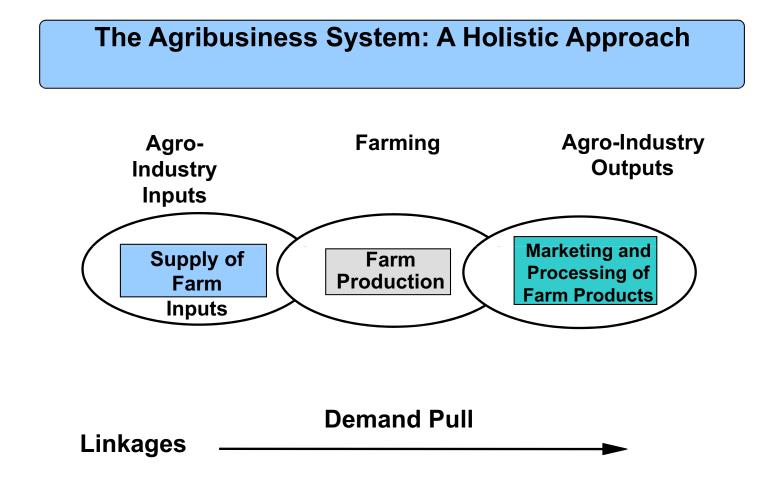
Thus increased fertilizer use is not merely compatible with MDG 7, it is essential to its achievement.



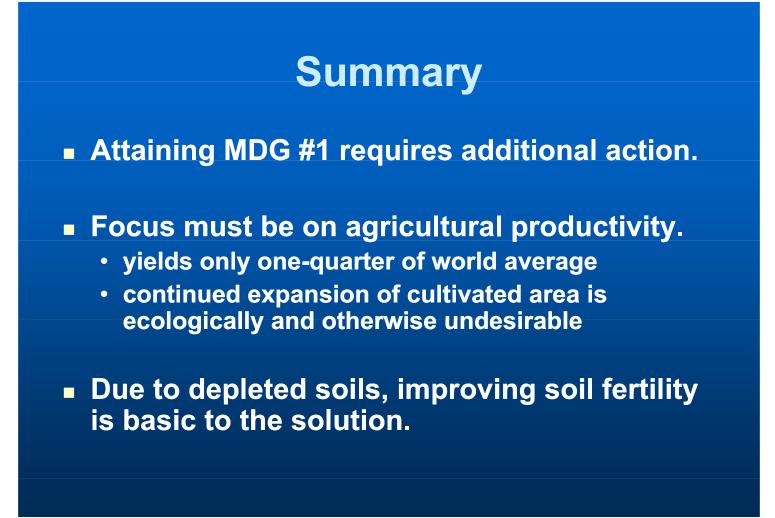
How to Achieve a Green Revolution in Africa?

- Fertilizer alone is not enough.
 - High-yielding varieties, organic inputs, good management, and irrigation.
- Simple solutions are neither appropriate nor effective.
 - Fertilizer is a political commodity
 - Holistic approaches are required





IFDC





Summary (continued)

- To be effective, soil improvement must be accompanied by
 - the use of high-yield varieties,
 - improved farm management techniques including better use of water resources
 - more efficient value chains.



Summary (continued)

- This process is complicated
 - millions of smallholder farmers involved
 - capital requirements high for investment in fertilizer and other inputs
 - cost of organization and training also high.

 Perhaps this complexity has led to so many decades of inaction, but continued inaction is a recipe for disaster.





