

Rice Fortification: Making Rice More Nutritious Post Harvesting GRAPAS Asia Conference in Bangkok, April 8th 2014

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World Food Programme: Who We Are

- WFP provides food assistance to meet emergency needs, improve food security and increase access to nutritious foods
- On average WFP reaches more than 90 million people with food assistance in around 75 countries each year
- WFP distributes approximately 4 5 million MT of food per year
 - Total food procurement incl. transport is over US\$ 2 billion per year
 - Rice procurement is around 350,000 MT per year (>85% from Asia)







Goal: Fortified Rice as the Standard Option

- Fortified rice as the standard option in government and other relief programmes, in all WFP programmes, and widely available on the commercial market
- Adding essential vitamins and minerals to rice helps make people healthier, smarter and stronger
- Build on experience with flour fortification, mandatory in 78 countries



WFP School feeding programme



School feeding trial with fortified rice in Cambodia

Why Fortify Rice with Micronutrients?

Three main benefits of staple food fortification:

- Improved Health
- 2. Increased Productivity
- 3. Economic Progress
- Micronutrient malnutrition affects 2 billion people world wide, and is one of the main causes of poor health and disability
- Rice is the main staple for 3 billion people, concentrated in developing countries. Rice fortification enables consumers to improve their micronutrient intake without changing their buying and eating habits
- Staple food fortification is a proven cost effective strategy to address micronutrient deficiencies (e.g. salt, flour and oil fortification)
- Time is right: next to WFP rice fortification is supported by governments and key global organizations

Fortifying Rice: a Smart Investment

#1 Best investment

"One of the most compelling investments – to get nutrients to the world's undernourished" Vernon Smith, Nobel Laureate economist **Top Investment Priorities**



Bundled micronutrient intervention to fight hunger & improve education

Malaria combination treatment

Childhood immunization

Deworming

Tuberculosis treatment

R&D to increase yield enhancements

Investment in Nutrition:

Break circle of poverty

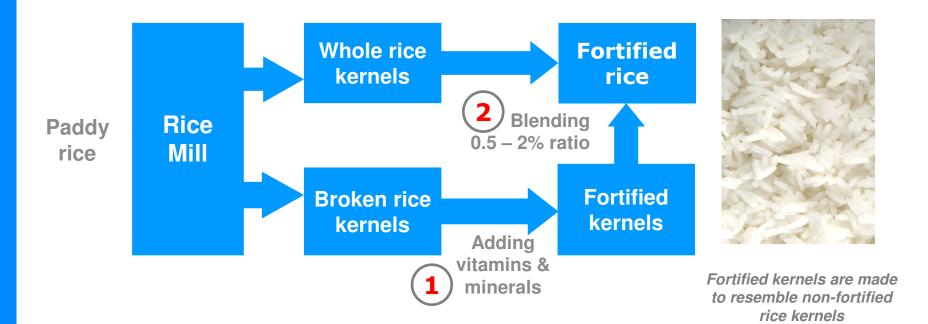


1 US\$ can result in return of up to 30 US\$

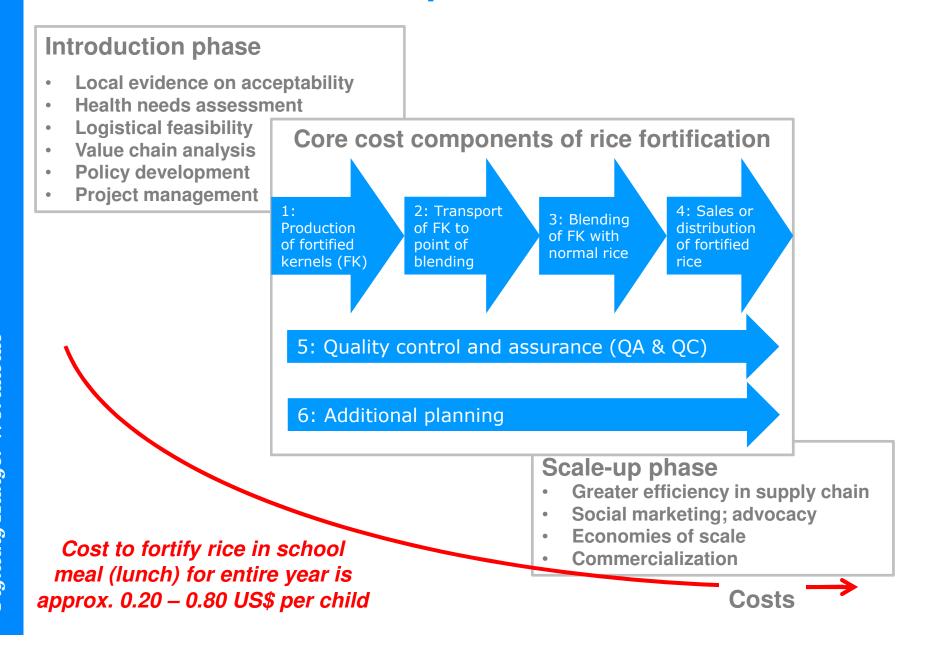
Increase country's GDP by at least 2-3% annually

Fortified Rice – Nutritious Rice with Added Vitamins & Minerals

- Fortifying rice: making rice more nutritious by adding essential vitamins and minerals (micronutrients) needed for productive and healthy life
- Fortifying rice with extrusion technology is straightforward two-step process:



Rice Fortification – Implementation & Costs



Rice Fortification Initiatives

- WFP involved in multiple high-profile pilot studies to:
 - Establish best practices & build capacity
 - Demonstrate impact and acceptability
 - Build on evidence base
- Advocacy and communication of trial results and activities to grow consumer awareness:
 - Informing opinion leaders
 - Local workshops
 - Communication material graphics
- Issuing of WFP fortified rice tenders first tender in 2013 for Swaziland





Scaling Up Rice Fortification

- Alliances and partnerships with key stakeholders:
 - Ministries and Government Organizations
 - Rice millers and traders
 - NGO's active in food distribution and technology development
 - Commercial partners
- As of 2014 fortified rice will be on the USDA Commodity List (CRD)
- Building on experience gained with scaling up flour, salt and oil fortification



Thank you



