

# **World Phosphate Rock Reserves and Resources – IFDC Report Background and Rationale**

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# What Is IFDC's History



- ❖ Established in 1974 during world food crisis
- ❖ Suggested by U.S. Secretary of State Dr. Henry Kissinger
- ❖ U.S. President Jimmy Carter, by Executive Order, accorded IFDC immunities and privileges of an international organization in 1977
- ❖ Non-profit Public International Organization
- ❖ Initial purpose to help developing countries solve food-deficit problems by focusing on development of fertilizers and fertilizer practices to meet special needs of tropical and subtropical climates and soils



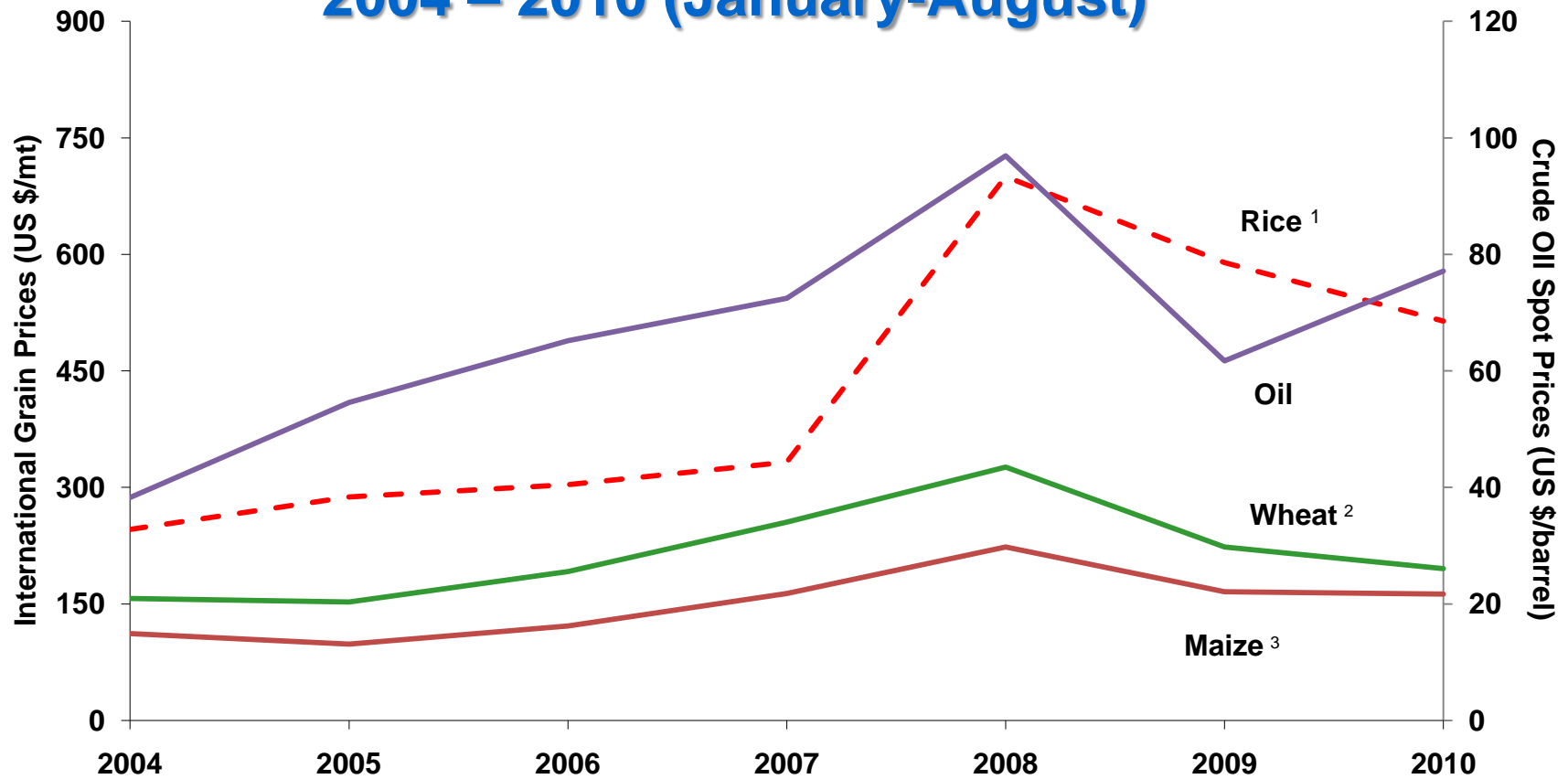
# Activities

- ❖ **Improving nutrient delivery and use**
- ❖ **Particular focus**
  - **Fertilizer raw materials identification and assessment**
  - **Nitrogen, Phosphorus, Potassium and micronutrients**
  - **Development of efficient markets of agricultural inputs**
  - **Capacity building**
  - **Policy advocacy**
- ❖ **Unique combination of research capabilities and market development and training skills enabled IFDC to develop incentive-based programs customized for local needs and problems**

# International Grain and Crude Oil Prices

## Annual Averages

### 2004 – 2010 (January-August)



Oil Prices Source: U.S. Energy Information Administration

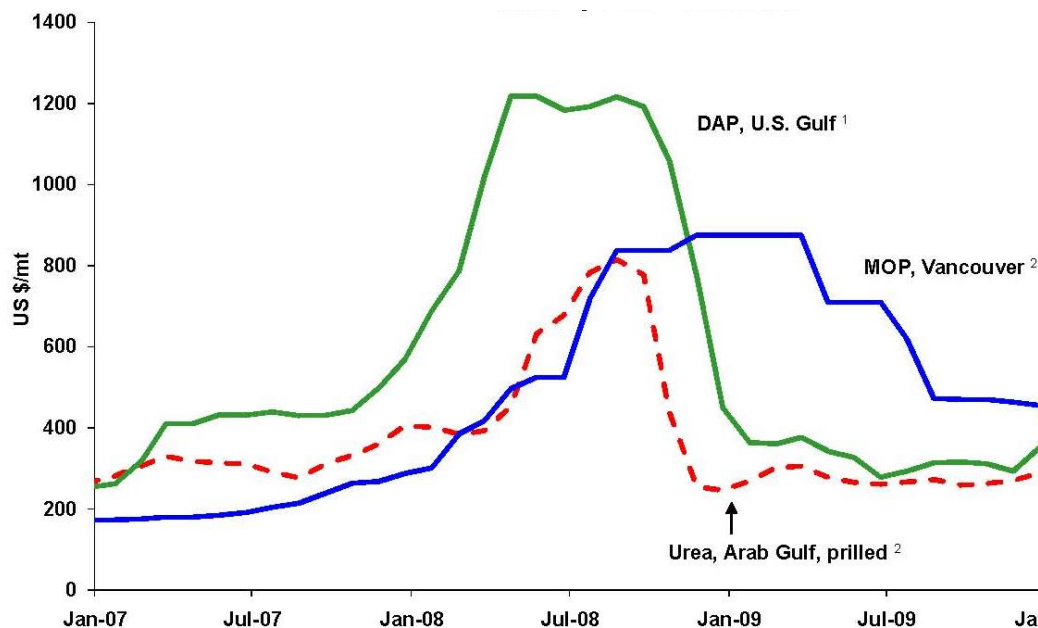
Grain Prices Source: International Monetary Fund: 1. 5% broken, nominal price quote, fob Bangkok.

2. U.S. No. 1 Hard Red Winter, fob Gulf of Mexico. 3. U.S. No. 2 yellow, fob Gulf of Mexico.

**IFDC** Graph by IFDC



# Fertilizer Prices (FOB, bulk) Monthly Averages January 2007–June 2010



1. Derived from *Green Markets*. 2. Derived from *FMB Weekly*.

World fertilizer prices doubled in 2007 and reached all-time highs in April 2008. But prices began dropping dramatically in October and November, 2008. FOB = free on board (average price, with buyer paying freight and insurance, to destination port). DAP = diammonium phosphate. MOP = muriate of potash.

**IFDC** Graph by IFDC

# **Phosphate is One of Three Nutrients Essential to Plant Growth**

**Numerous articles suggest phosphorus (phosphate rock) reserves — resources will be depleted in the 21<sup>st</sup> century.**

# **IFDC Maintains a Very Extensive Phosphate Rock Data Base with Chemical and Mineralogical Information**



# **World Phosphate Rock Reserves and Resources Study Initiated in 2009 with funding from USAID**



# Thank You.

