



# Building a Sustainable World from the Bottom Up

Mike Mack

IFAMA World Forum, June 2011



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# To a sustainable world in 2050

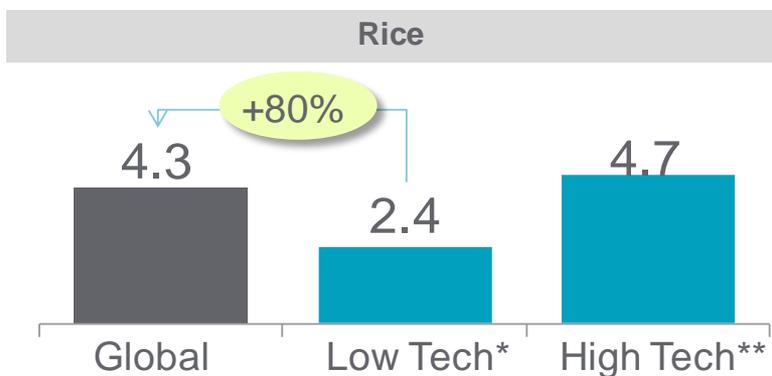
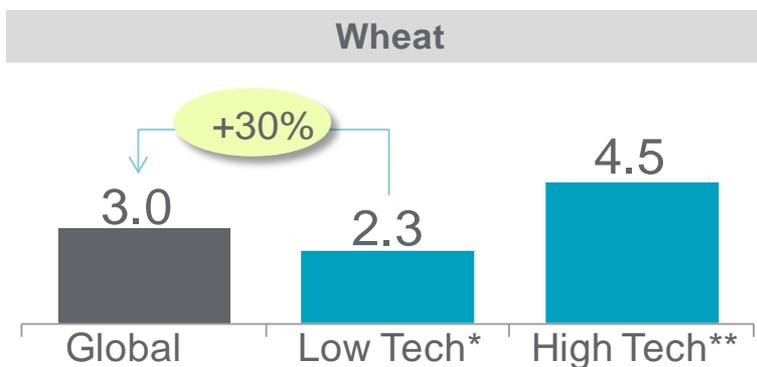
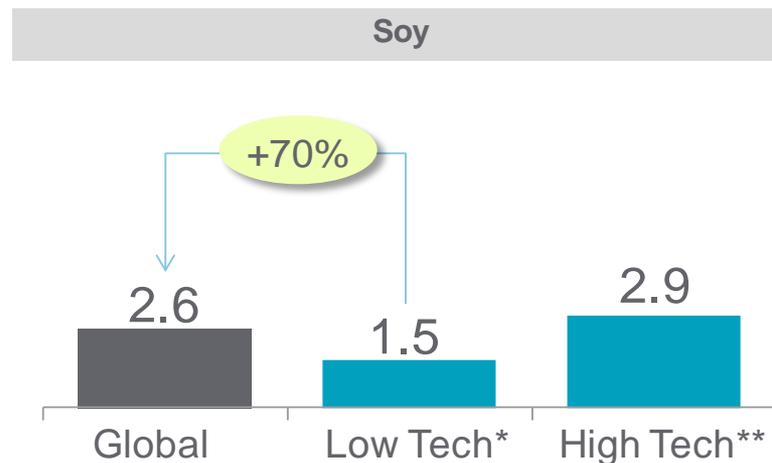
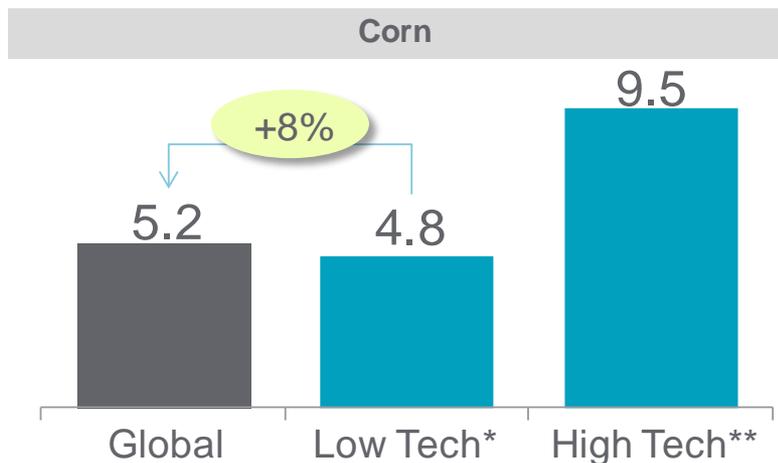




# Intrinsic Sustainability

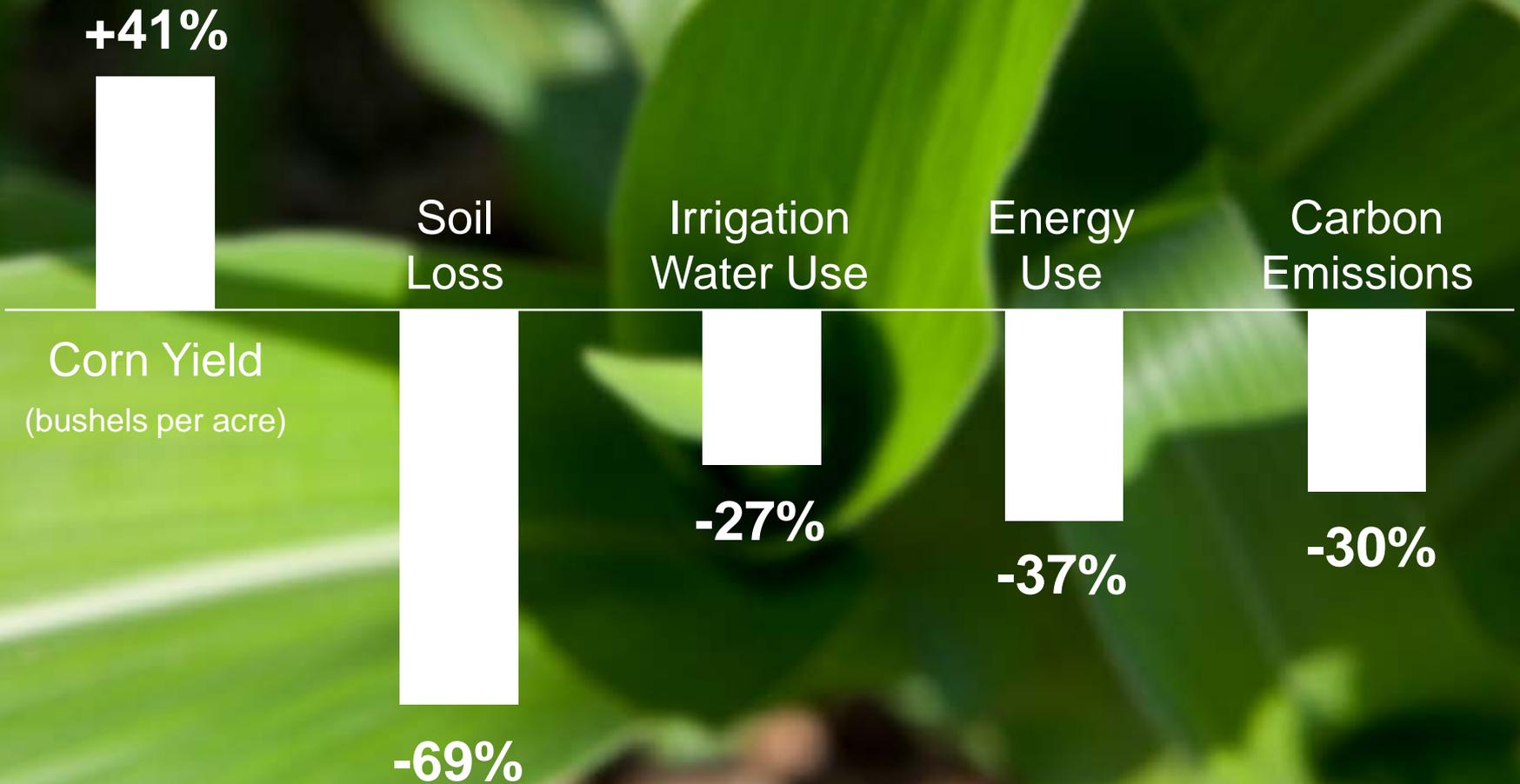
# Yield differences between low tech and high tech agriculture

Yields 2010 (E), ton/ha

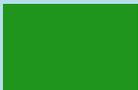


\* Corn: BR, China, CIS; Soy: RoW; Wheat: CIS, India; Rice: SEA, India;  
\*\*Corn: US, AR, EU; Soy: US, AR, BR; Wheat: US, EU, China; Rice: China, Japan, US  
Source: USDA, Syngenta Analysis

# Corn: 1987-2007





 Amazon Rainforest

Enviro-Map.com











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