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The U.S. Government's Global Hunger & Food Security Initiative

‘Seed, Soil and Water Innovations: Reaching the Last Mile’ Feed the Future Ghana’s Agriculture Technology Transfer Project



ATT's Strategic Approach



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SNAPSHOT OF ATT



- Cooperative Agreement - USAID
- April 15, 2013 – April 14, 2018
- Total Program Budget: \$US 22,000,000
- \$6m – Grant Component
- Implementing Partners: IFDC, CDI, ISU, and GAABIC
- Project Components: Seed, ISFM (Soil and Water) and Research





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ATT Project Objective

Increase availability and use of agricultural technologies to increase and sustain productivity in Northern Ghana through:

Interventions to **build capacity in seed and ISFM technologies**



Interventions to **build research capacities & promote labor saving technologies**



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Progress in pictures



3 modern seed laboratories in Northern Ghana



Supporting mechanization and learning centers



Technology development and dissemination



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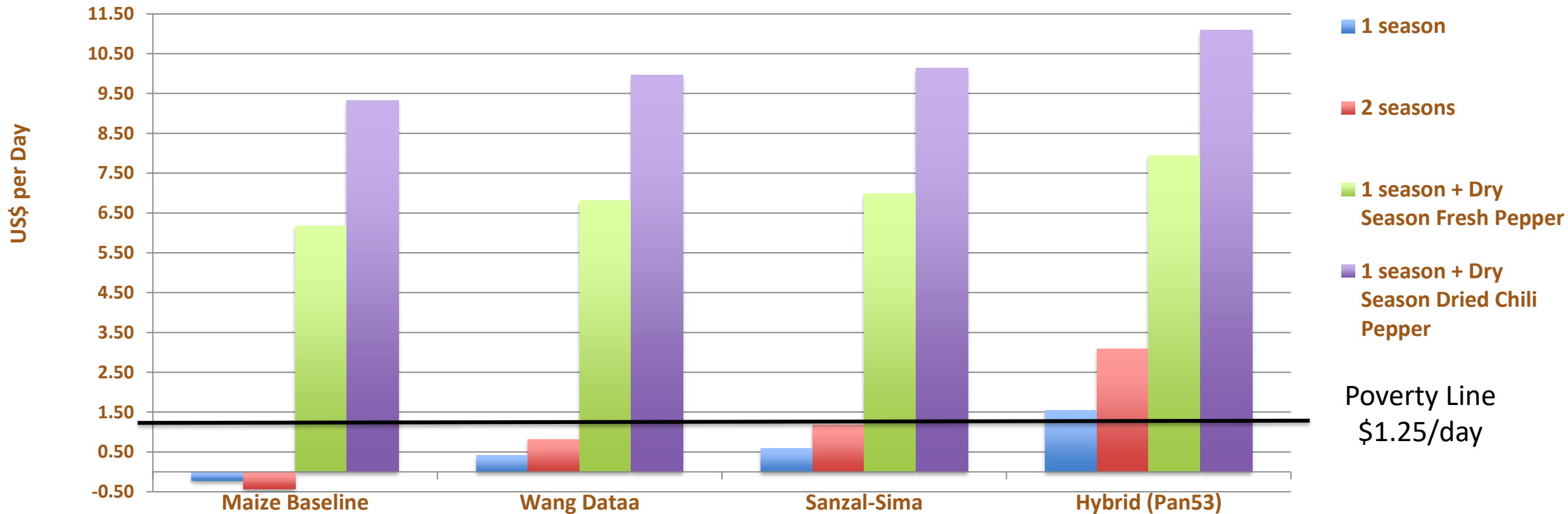




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Comparing Daily Income Generated From Different Maize Varieties on 1 Hectare per Year by Cropping Once, Twice or Once with Pepper as a Second (Dry Season) Crop



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ATT STRATEGY -- ACHIEVING 40% IMPROVED SEED PLANTING IN SADA ZOI BY END OF 2018 CROPPING SEASON

**2017 FOCUS >> CERTIFIED SEED PRODUCTION,
ACCESS AND USE, AND SCALING UP
SUPPORTING TECHNOLOGIES**



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UREA DEEP PLACEMENT TECHNOLOGY



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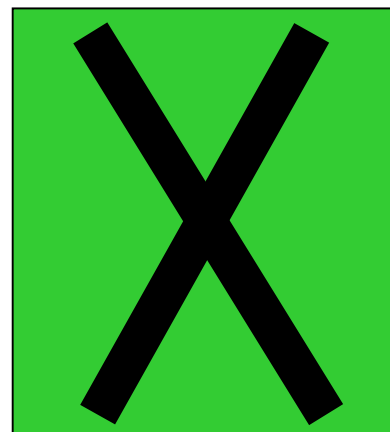
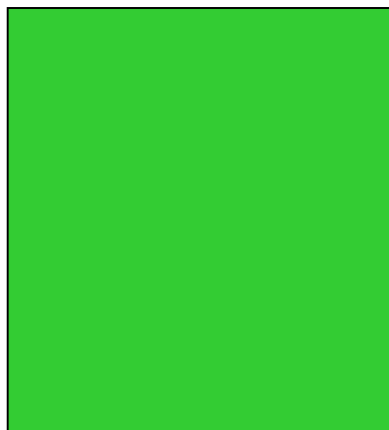


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Nitrogen Management Problems in Irrigated Rice

Nitrogen Use Efficiency is usually Less than 40%
In Irrigated Rice when Broadcasting



2 out of 3 Bags of Urea are lost



Urea Super Granules



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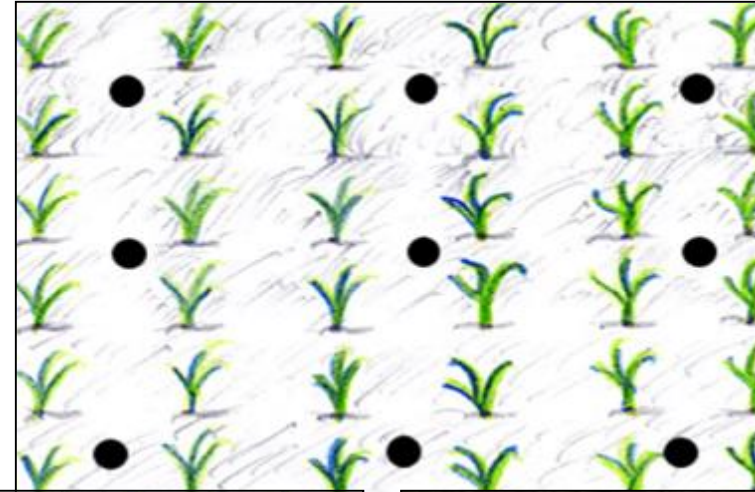


Urea Deep Placement (UDP)

UDP has two Main Aspects:

«DEEP» placement - fertilizer is placed between 4 plants and below the soil surface (7 to 10 cm depth)

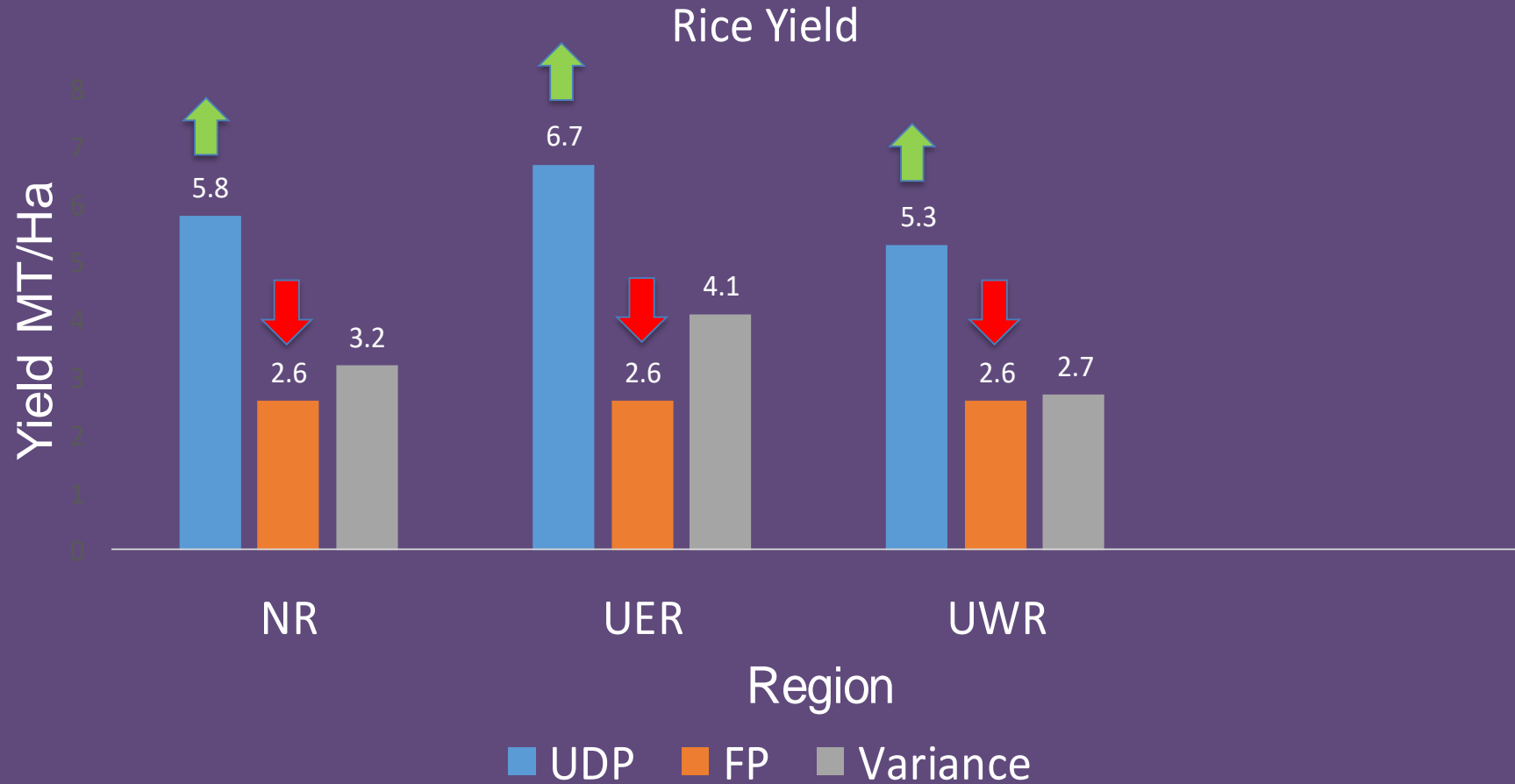
«N form» very high local ammonia concentration resulting in high pH values and inhibition of nitrification, hence, reducing N loss





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Yield and Economic Results from Rice Farmers at Bontanga Irrigation Scheme, Northern Region 2015 Dry Season

Application	Yield MT/ha	Gross Margin GHS/Ha	GM/Cost Ratio
Farmer Practice	2.48	2,667.60	2.03
UDP	8.52	6,182.50	2.64





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