



Technologies for African
Agricultural Transformation

TAAT INVESTORS FORUM

Improved and Climate-Smart Market-Preferred Rice Varieties and Hybrids



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Showcasing TAAT Technologies

15 February 2022: 1000 -1600 (WAT)

Market Drives the Rice Value Chain

Consumer Preference, Quality Standards & Packaging



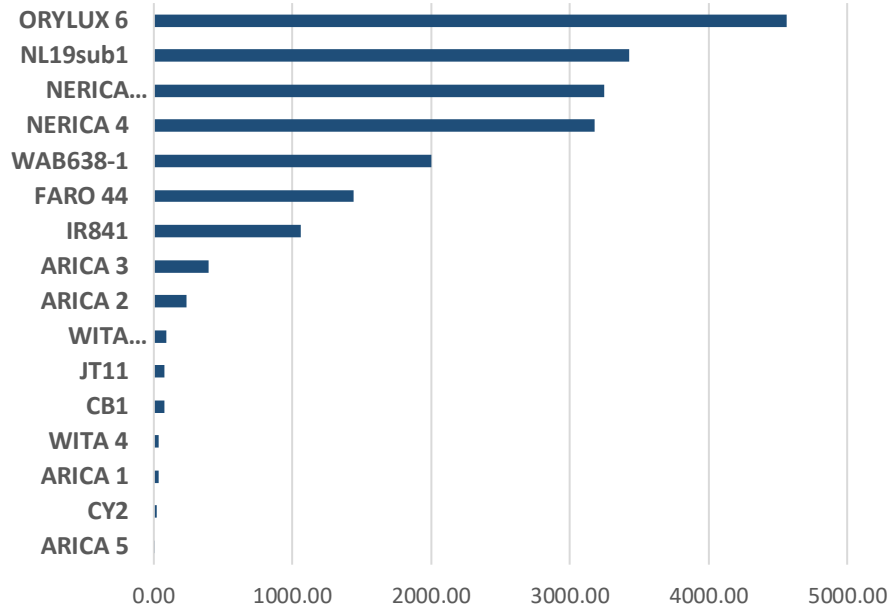
Rice processed by Women Group in Benin ready for market

Bukan Sidi Lafia IP n Nasarawa State in Nigeria transformed to an enterprise

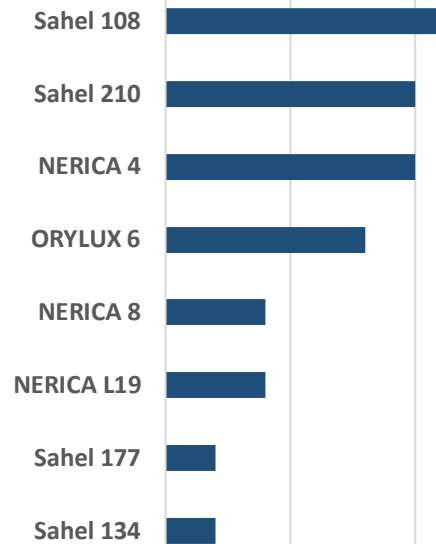
Seeds of Climate Smart Varieties & Hybrids: Highly Demanded



Humid & Savannah Regions: C d'Ivoire Centre



Sahel Region: Senegal Centre



Going forward with the hybrids →

Hybrid	Country	Yield range (T/Ha)	Max Yield Advantage
AR032H, AR051H, AR606H, AR708H	C. d'Ivoire	4.0 - 9.4	-135%
AR051H, AR606H, AR647H, AR708H	Mauritania	9.0 - 14.4	- 121%
AR051H, AR606H, AR708H	Nigeria*	8.5 - 11.0	- 100%
AR051H (CASL), AR606 H	Senegal*	5.8- 7.3	- 40%

* Based on yields from Nigeria & Senegal

Business Models in Partnership with COSEM-Riz

Quality Rice Seed of Improved Varieties, Hybrids, and Toolkits	Membership Fee Annual Cost \$		Royalty \$	Licensing / Sub-Licensing \$	
<i>Hybrid Rice Seed Production and Toolkits Dissemination</i>	Platinum \$ 2,500		% on volume of seed	Fixed Annual Cost	
<i>Foundation Seed Production and Toolkits Dissemination</i>			NA	NA	
<i>Certified Seed Production and Toolkits Dissemination</i>		Gold \$ 1,000		NA	NA
<i>Dissemination of Hybrid and Certified Rice Seeds, and Toolkits</i>		Silver \$500		NA 2% of sales	NA



76 Enterprises in database

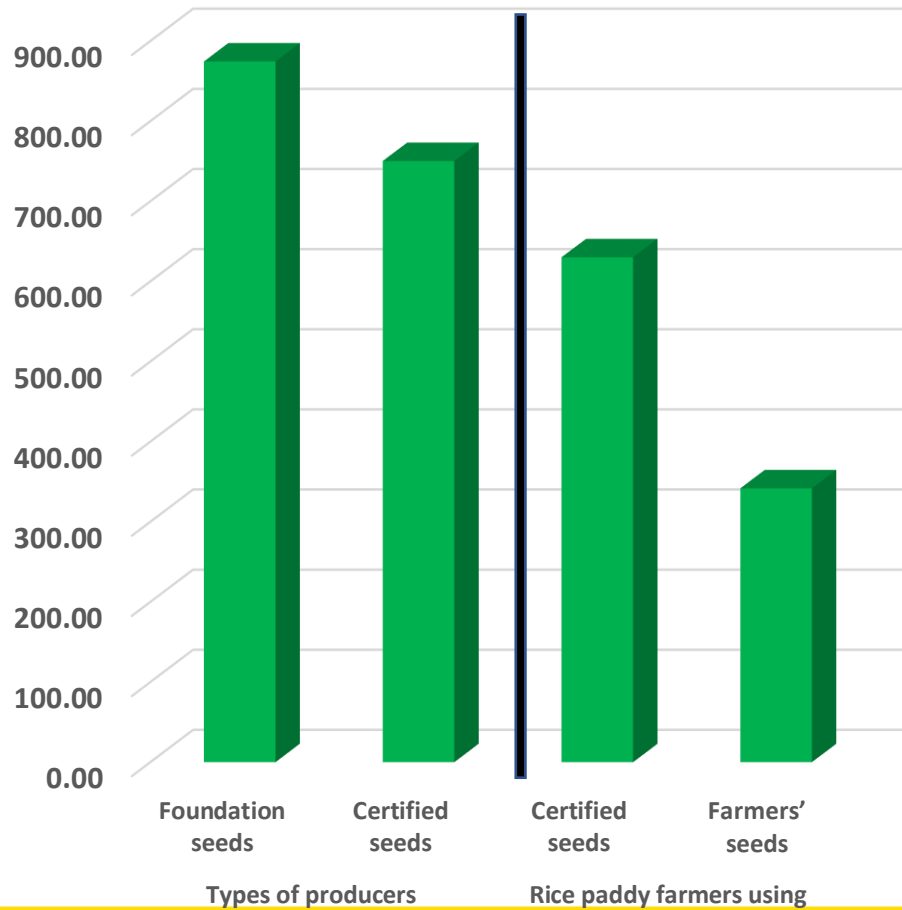
41 Members in COSEM-Riz

Return on investment

Net Profit

Cote, d'Ivoire, Benin and Mali

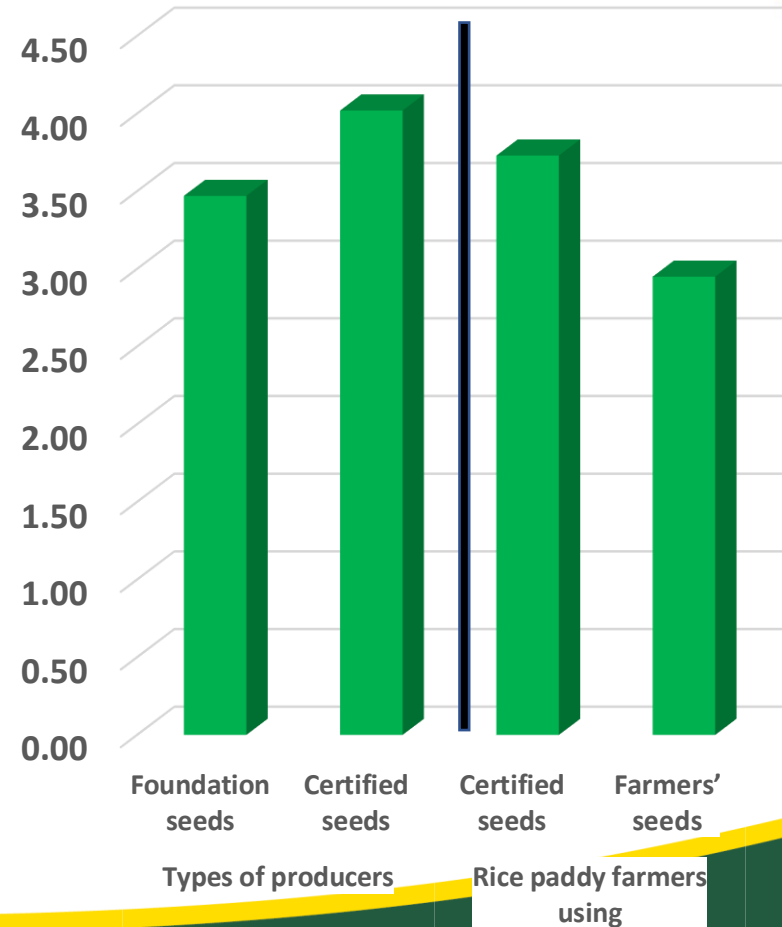
Overall Net profit (USD/ha)



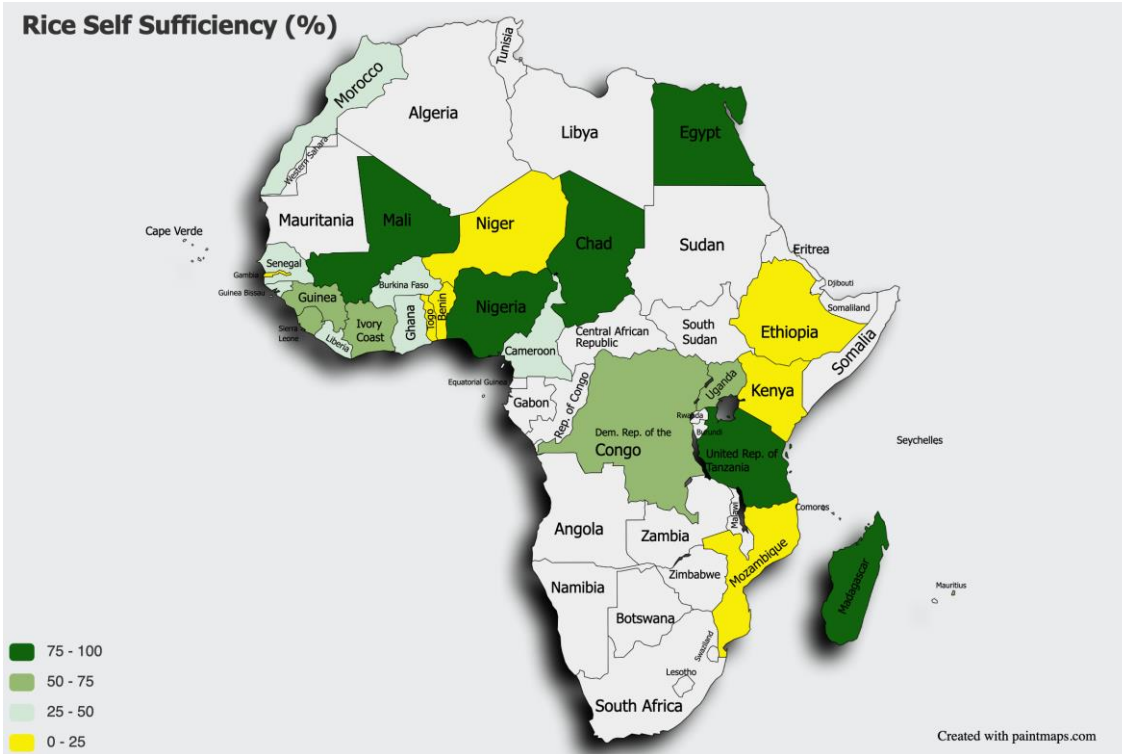
Benefit - Cost

Cote, d'Ivoire, Benin and Mali

Overall: Benefit-Cost Ratio



Rice Self Sufficiency - 26 High Rice Proucing Countries



TAAT Technology ORYLUX 6



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ORYLUX 1, ORYLUX 2, ORYLUX 3, ORYLUX 4, ORYLUX 5, and ORYLUX 6
High yield, good grain quality, acceptable organoleptic properties, and consistent performance,
Derived from the cross WITA 1 × Pusa Basmati

- Agonomic characteristics
- Days to heading (50%): 81
- Days to maturity: 100
- Potential yield (kg ha⁻¹): 6500
- Weight of 1000 grains (g): 19.5
- Disease resistance: Medium
- Insect resistance: Medium
- Aroma: Aromatic



Geographical Coverage

- Lowland/irrigated ecology in all rice growing countries in Sub Sahara Africa

Commodity

- Rice

Value Chain Position

- Seed; Paddy, Processing and Marketing

Problems Solved and Benefits

- Good grain quality
- High consumer preference
- Strong contributed to import substitution
- High yielding potential
- Stimulates seed businesses
- Create opportunity for women process and market enterprises

What is it for:

- Seed producers, farmers, millers, women processors, marketing enterprises

Cost /ROI

- Sengal: USD 1,247 off-season irrigated; USD 921 for rainy season crop.
- Mali: USD 631 for off-season production under irrigation and USD 841 for rainy season production

THANK YOU

