



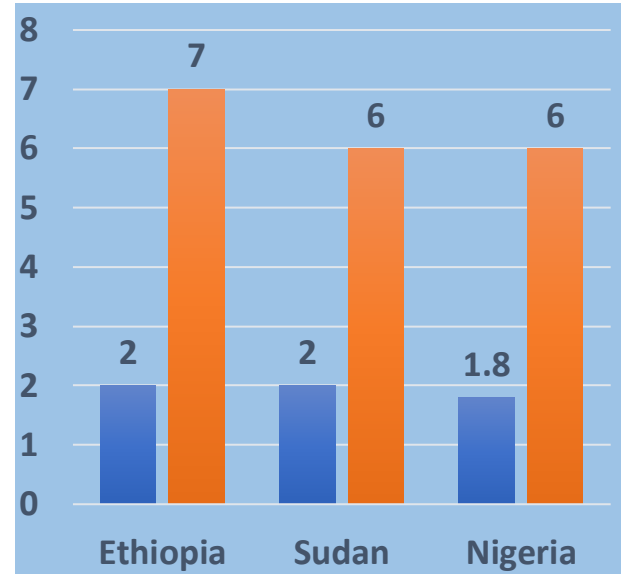
Technologies for African
Agricultural Transformation

TAAT INVESTORS FORUM

Showcasing TAAT Technologies
15 February 2022: 1000 -1600 (WAT)



Heat Tolerant Wheat Varieties



Wheat is a major staple crop in Africa and demand is continue to increase due to growing population, urbanization and changing food habits and Africa become dependent on imports

TAAT is AfDB's Feed Africa Flagship and it supports Africa to achieve wheat self-sufficiency through technological innovation by growing climate smart varieties- heat and drought tolerant, water use efficient, disease tolerant, high grain yield and high grain quality

About 30 varieties with different traits are developed and released in SSA and can be used across countries within the regionally harmonized seed regulatory framework



Partnership for Scaling the HTW Along the Seed Value Chain



We worked along the wheat value chain from grain production to value addition with a wide range of private sector entities

It includes associations (farmers, women groups youth groups), cooperatives, private seed companies, agro-processors, involved in grain production, seed production, value addition (wheat products), agro-processing and food manufacturers

Seed producers are linked to farmers who are grain producers making profit of wheat seed markets

Farmer grain producers are linked to agro-processors which producing flours for distribution to local bakeries

All different enterprises at individual or group levels have shown greater net benefits due to the availability and quality of climate smart wheat varieties

Name of partner	Category	Name of technology	Scaling agreement	License agreement	Country	Total sales	Gross income	Area (ha)	Remarks
Fento Youth Grain Producers Association	Youth association (38)	HTW	Yes, scaling	No	Ethiopia	69,333	48,183	32.4	Grain
Galma Fadama Cooperative Union	Cooperatives (350)	HTW	Yes, scaling	No	Nigeria	144,639	63,115	78	Seed
Hase Tadech Balla Association	Farmer groups	HTW	Yes, scaling	No	Ethiopia	336,000	226,333	168	Seed and grain
Sudan Seed Trade Association	Private seed companies	HTW	Yes, scaling	No	Sudan				Seed suppliers
ElTayeb and Group (600)	Farmers	HTW	Yes, scaling	No	Sudan		\$100,000 (seed sales) \$150,000 (grain sales)		Seed and grain
Babahu JIGI Community-based Seed Production (140)	Cooperatives	HTW	Yes, scaling	No	Mali	404,135	311,310	149	seed
Robe youth Association	Urban Youth	Value addition	Yes, scaling	No	Ethiopia				Bread making and supply
Wad Rabia'a Women Association	Women	Value addition	Yes, scaling	No	Sudan				Local business based on wheat products

Partnership with Seed companies for Scaling HTW

Country	Contact person	Organization	Role	Tel number	Email address	
Nigeria	Prof. I. U. Abubakar	Institute of Agricultural Research	Breeder and foundation seed production	+2348034529942	iuabubakar@gmail.com	
	Dr. Zakari Turaki	Lake Chad Research Institute	Breeder and foundation seed production	+2348027294083	drturaki@yahoo.com	
	Prof. Abraham O. Ogungbile	Premier Seeds Ltd	Certified seed production	+2348028435718	premierseednigeria@gmail.com	
	Aliyu Inuwa	Rahama Seeds Ltd	Certified seed production	+2347089265355	allynua@gmail.com ; rahamaseeds@yahoo.com	
	Lawal Gwadabe	Seed Project Ltd	Certified seed production	+2348033493239	seedprojectcoy@gmail.com	
	Prof. Mukhtar Atiku Kurawa	Maina Seeds Ltd	Certified seed production	+2348036811189	Maina.seeds@yahoo.com	
	Balarabe Shehu	Greenspore Seed Ltd	Certified seed production	+2348065456657	greensporeseed@gmail.com	
	Stella Thomas	Techni Seeds Ltd	Certified seed production	+2348023809270	techniseeds@yahoo.com	
	Prof. S. Miko	SG2000 Nigeria	Foundation and Certified seed	+2348034018763	sanimiko@saa-safe.org	
	Ms Sarah Huber	Flour Millers Association of Nigeria	Represent Millers	+2348106894510	shuber@fmnplc.com	
	Salim Mohammed	Farmers Association of Nigeria	Represent farmers	+2348035880892	salimwfan@gmail.com	
	Dr. Olusegun Ojo	Nigeria Seed Council	Quality assurance and seed certification	+2348161856219 +2348054143905	dr.poojo@gmail.com	
	Mr. Naphtali Telta	Wheat Desk Office, Federal Ministry of Agriculture	Policy formulation	+2348026676879	Telta.naphtali@yahoo.com	
	Mali	Dr Oumarou GOITA	IER	Breeder and basic seed production	+223 76 02 24 81 +223 62 15 69 04	oumarougaita60@gmail.com
		Kangaye MAIGA	Baaba Hujicii,	Certified seed production	+223 76 02 33 30	
Souleymane MAIGA		N'Gorfohondou	Certified seed production	+223 77 75 60 17		
Hamidou TRAORE		N'Debougou	Certified seed production	+223 74 04 92 05		
Maimouna COULIBALY		Faso Kaba seed company	Certified seed production	+223 76 28 24 76	fasokaba@yahoo.fr	
Idrissa Alpha TOURE		Direction Regional de l'Agriculture Tombouctou	Seed Control in field	21 92 10 42	Drissat6@yahoo.fr	
Dioncounda Camara		Seed Control Laboratory	Seed Control in Lab		dioncoundac@yahoo.fr	



Partnership with Seed companies for Scaling HTW



Country	Contact person	Organization	Role	E-mail	Tel number
Sudan	Dr Izzat Tahir	Agricultural Research corporation	Breeder and foundation seed	lzzatahir@yahoo.com	+249-918300544
Sudan	Zubeir Ibrahim	Nile Sun Enterprise Co.	Certified seed	nilesun@hotmail.com	+249-912398547
	Dr Mohamed Busharaa	Arab Sudanese Seed Company	Certified seed	bushara441@gmail.com	+249-912955801
	Mubarak El-Sheikh	Sudan Seed Trade Association	Certified seed	mubarakelshikh@gmail.com	+249-912393575
		Makeen Seed Company	Certified seed	babikrelhussein58@gmail.com	+249-912383042
	Kamal Abdalla Hajeltoum	Mahgoub (Sons) Inputs and Services Co. LTD	Certified seed	hajeltom@gmail.com	+249-123045343
		Amtar for Investment CO	Certified seed	khalidaltaib@yahoo.com	249-912559195
		Harvest CO	Certified seed	hani@almaslamani.com	+249-912179421
		Social Security Agric Investment Company	Certified seed	hajeltom@gmail.com	+249-114191669
		DAL Innovative Agriculture Co	Certified seed	sami.adam@dalgrou.com	+249-912927057
	Dr Karta Kaske	Ethiopian Institute of Agricultural Research	Breeder and foundation seed	kartakaske@gmail.com	+251-911995911
Ethiopia	Feleke Gezahgen	Ethiopian Seed Enterprise	Foundation and certified seed	felekegezahegn@yahoo.com	+251-911949212
	Ashine Boglae	Oromia Seed Enterprise	Foundation and certified seed	ashinie.gonfa@yahoo.com	+251-944335748
	Jemberie Workneh	Amhara Seed Enterprise	Certified seed	Jembwork55@gmail.com	
	Belay Harriso	South Seed Enterprise	Certified seed	hariso.belay@gmail.com	

Heat tolerant wheat Varieties

TAAT Technology: Wheat – Heat Tolerant Varieties

About 30 wheat varieties for irrigated and upland areas in Africa:

- Minimum water (2000-3000 mm) and heat resistant
- High yielding, high biomass and high dry matter content for improved feed value
- High grain yield with high test weight for better market returns
- Heat tolerance varieties for double cropping in humid tropical areas
- High grain specific gravity (average of 78-82%) suitable for applications of end products (e.g. bread making)

Geography Coverage:

- Africa
- Asia
- Europe
- South America

Community:

- Africa

Value Chain Position:

- Crop Production

Problems Solved and Benefits:

- Expansion of wheat production in high stress environments and upland areas
- Increased productivity and production of wheat
- Increased farmer income from wheat production through direct sales
- The creation of jobs in wheat value chain (from seed to flour)
- Availability of good quality wheat grain for local agri-processing

Wheat by & for:

- African grain producers
- African grain processors
- Agri-processors

Quality/MSD:

- Average yield of wheat production per ha (2000-3000 mm) (range \$200-300 to \$500-600)
- Average grain yield per ha (2000-3000 mm) (range \$200-300 to \$500-600)
- Average test weight for wheat production per ha (2000-3000 mm) (range 78-82%)
- Average dry matter content (range 78-82%)
- Average grain specific gravity (range 78-82%)
- High yield potential of wheat production (range 2000-3000 mm) (range \$200-300 to \$500-600)

Link to Associated Technologies:

<https://www.taatafrica.com/>



A study conducted on wheat production has shown a RoI of 108-144% based on productivity gains translated from \$197 to \$549 per ha

Value addition of wheat processing showed an increase of 44.3% by farmers, 37.45% by processors and 18.2% by bakeries

Potential opportunities for contract farming between farmers and agro-processors which guarantee the local availability and access to reliable quality wheat grain