



KNOWLEDGE
TRANSFER

NIGERIA - Q3

QUARTERLY REPORT

2023 (July - September)



Rainy Season



Section 1

NEWS & HIGHLIGHTS



KNOWLEDGE TRANSFER

1. HortiNigeria program management meeting with the Plastic Crates Owners Association of Nigeria to discuss possible collaboration and the signing of a memorandum of understanding for the promotion of the use of plastic crates in harvesting, packaging, and transporting.
2. East-West Seed Human Resources staff met with the EWS-KT Nigeria team to better understand how EWS-KT operates.
3. Knowledge-sharing event with stakeholders to discuss successes, challenges, and solutions encountered in the course of program implementation and find ways of addressing problems.



DIGITAL & OTHER

1. Covered EWS-KT techniques for International Hausa Day on Facebook and WhatsApp.
2. Took a new direction for KT Thursday Kitchen, a digital media initiative to help farmers integrate vegetables into the meals they prepare.
3. Experienced an increase in the number of Facebook followers, to 41,607.



DEMONSTRATION PLOTS

1. Rainy-season onion seedling production, in preparation for dry-season onion production targeting a good market in December or January.
2. Training some women farmer groups on improved seedling production to ensure a good seedling supply for local farmers.
3. Increase in youth participation in both projects in an effort to deliver the project targets.

Current projects:

HortiNigeria (2021-2025), funded by the Embassy of the Kingdom of the Netherlands in Nigeria, is implemented through a consortium led by IFDC that includes EWS-KT, Wageningen University & Research, and KIT Royal Tropical Institute.

Transforming Nigeria's Vegetable Market (2019-2024), funded by SDG Partnership Facility (SDGP), is implemented by EWS-KT in partnership with the Ministry of Agriculture & Forestry Kaduna State; Ahmadu Bello University; Wageningen University & Research.



HIGHLIGHT IMAGES



East-West Seed Human Resources staff met with the EWS-KT Nigeria team to better understand how EWS-KT operates.



Knowledge-sharing event with stakeholders to discuss program implementation successes, challenges, and solutions.



Training on rainy-season onion seedling production.



HortiNigeria program management meeting with the Plastic Crates Owners Association of Nigeria.



DEMONSTRATION PLOTS

Distribution of Crops

Table 1: Demonstration plots managed by key farmers in this quarter.

Vegetable Crop	No. of Demos	Crop Variety	No. of Demos per Variety	Average Land Size (sq. m.)
Tomato	127	Platinum F1	58	250
		Padma F1	57	250
		Diva F1	12	250
Okra	113	Maha	106	250
		Basanti	7	250
Cabbage	70	Pakse	58	250
		Nuzaka F1	12	250
Sweet Corn	47	Sugar King F1	47	250
Cucumber	41	Mona Lisa F1	26	250
		Greengo F1	15	250
Onion	14	Prema F1	13	250
		Prema	1	250
Hot Pepper	3	Other	2	250
		Demon F1	1	250
Total	415		415	

Table 1 Notes

Tomato was the top choice for demos during this off-season because it is hard for farmers who have not worked with EWS-KT to produce quality tomatoes at this time of year, so there is a good market at harvest time. Sweet corn demos have increased as people become more aware of them, leading to more market opportunities after production.



Section 2 DEMONSTRATION PLOTS

Demos Associated with Projects

Table 2: Details of major projects during this quarter.

Project Name	Project Area	Average Land Size (sq. m.)	No. of Demos		
			Ongoing	Completed	Terminated
Transforming Nigeria's Vegetable Market	Dawakin Kudu	250	15	0	0
	Dawakin Tofa	250	15	0	0
	Garko	250	15	0	0
	Kubau	250	15	5	0
	Kudan	250	13	5	0
	Makarfi	250	12	4	0
	Minjibir	250	17	0	0
	Rimin Gado	250	18	0	0
	Sabon Gari	250	14	1	0
	Soba	250	14	7	0
	Tofa	250	15	0	0
	Zaria	250	9	11	0
	Bichi	250	16	0	0
	Dawakin Kudu	250	13	0	0
HortiNigeria	Dawakin Tofa	250	15	0	0
	Garko	250	24	0	0
	Ikara	250	11	3	0
	Kubau	250	8	1	0
	Kudan	250	5	1	0
	Kumbotso	250	13	0	0
	Makarfi	250	12	3	0
	Minjibir	250	23	0	0
	Rimin Gado	250	13	0	0
	Sabon Gari	250	2	10	0
	Soba	250	16	0	0
	Tofa	250	15	0	0
	Zaria	250	6	0	0
			364	51	0

Demo Profits and Productivity

Table 3: Average demo costs and profits. All results are calculated per 250 square meters.

Crop (Variety)	No. of Demos	No. of Plants	Costs (NGN)	Returns (NGN)	Profits (NGN)	Productivity per Plant (kg)	EWS Reference	
							Productivity per Plant (kg)	Plant Population
Cabbage (Pakse)	27	666	21,682	76,122	54,440	1.45	1.8 - 2.5	667
Okra (Maha)	12	444	11,303	38,746	27,443	0.93	1.5 - 2	444
Onion (Prema F1)	12	6,666	9,769	58,760	48,992	0.08	0.03 - 0.05	6,667
Tomato (Platinum F1)	7	666	21,712	150,505	128,792	1.24	2.25 - 3	667
Tomato (Diva F1)	5	666	21,677	142,879	121,202	1.10	2.25 - 3	667
Sweet Corn (Sugar King F1)	4	1,129	22,094	112,675	90,581	0.83	0.3 - 0.4	1,111
Cucumber (Greengo F1)	2	667	26,287	110,840	84,553	1.21	2 - 3	667

Table 3 Notes

The data for sweet corn and cucumber is based on less than 5 demos and should be viewed with caution.



Section 2 IMAGES OF DEMO PLOTS



Training farmers on raised bed preparation.



Training farmers on sweet corn transplanting at Karofin Yashi Community, Rimin Gado LGA, Kano.



Training farmers on the safe use of pesticides in Dosan 2 community, Dawakin Kudu, Kano.



The team leader inspects a rainy-season onion (Prema) demonstration plot in Gidan Mai Unguwa 2, Kudan, Kaduna.



Technical Field Officer Margaret Rekwot monitors key farmer Maryam Idris's cabbage plot in Anguwan Maikaji 3 community, Sabon Gari, Kaduna, as another farmer looks on.



SDGP Transforming Nigeria's Vegetable Market project Team Lead Abubakar Isyaku and HortiNigeria project Team Lead David Godfrey visit Community Field Facilitator Jamilu Sani at his adoption farm in Rugar Duka, Garin Malam, Kano, where Jamilu has trained other farmers.



Section 3

FARMER TRAINING



Training Sessions

Table 4: Number of farmers trained by region in this quarter.

Project	Demonstration Location		No. of Trainings	Total Farmers	Male	Female	Youth %
	District	Village Tract					
HortiNigeria	Bichi	Bichi	18	766	411	355	54%
	Dawakin Kudu	Dawakin Kudu	21	610	403	207	75%
	Dawakin Tofa	Dawakin Tofa	5	316	202	114	67%
	Garko	Garko A	19	496	167	329	66%
	Garko	Garko B	8	243	77	166	66%
	Ikara	Ikara A	25	468	314	154	54%
	Kubau	Kubau	9	449	180	269	89%
	Kudan	Hunkuyi	20	422	135	287	82%
	Kumbotso	Kumbotso	13	334	177	157	66%
	Makarfi	Makarfi	19	510	303	207	72%
	Minjibir	Minjibir	6	562	279	283	69%
	Minjibir	Minjibir B	10	288	131	157	69%
	Rimin Gado	Rimin Gado	14	405	255	150	67%
	Sabon Gari	Sabon Gari	15	353	208	145	76%
	Soba	Soba	14	450	294	156	98%
	Tofa	Tofa	15	929	456	473	82%
	Zaria	Zaria	13	424	192	232	63%
Transforming Ni-geria's Vegetable Market	Dawakin Kudu	Dawakin Kudu	25	447	323	124	58%
	Dawakin Tofa	Dawakin Tofa	15	696	456	240	56%
	Garko	Garko A	17	496	338	158	55%
	Kubau	Kubau	38	747	448	299	62%
	Kudan	Hunkuyi	18	1,005	479	526	74%
	Makarfi	Makarfi	19	978	420	558	75%
	Minjibir	Minjibir	30	1,081	796	285	58%
	Rimin Gado	Rimin Gado	14	933	475	458	79%
	Sabon Gari	Sabon Gari	24	373	181	192	83%
	Soba	Soba	21	805	503	302	71%
	Tofa	Tofa	30	579	394	185	72%
Zaria	Zaria	26	568	168	400	93%	
TOTAL			521	16,733	9,165	7,568	71%

KT Field Days

Table 5-1: Field Day location and attendance.

Project	Demonstration Location		No. of Field Days	Total Farmers	Male	Female	Youth %
	District	Village Tract					
HortiNigeria	Bichi	Bichi	1	29	29	0	28%
	Dawakin Kudu	Dawakin Kudu	2	23	16	7	83%
	Garko	Garko B	8	159	125	34	55%
	Ikara	Ikara A	4	38	22	16	63%
	Kubau	Kubau	6	162	3	159	86%
	Kudan	Hunkuyi	11	239	159	80	70%
	Kumbotso	Kumbotso	1	3	3	0	0%
	Makarfi	Makarfi	8	64	48	16	44%
	Minjibir	Minjibir	1	30	30	0	56%
		Minjibir B	7	49	42	7	56%
	Rimin Gado	Rimin Gado	8	103	70	33	61%
	Sabon Gari	Sabon Gari	14	200	125	75	73%
	Soba	Soba	8	244	107	137	98%
	Tofa	Tofa	7	45	24	21	76%
Zaria	Zaria	2	65	39	26	74%	
Transforming Nigeria's Vegetable Market	Dawakin Kudu	Dawakin Kudu	4	13	13	0	69%
	Kubau	Kubau	11	179	116	63	66%
	Kudan	Hunkuyi	9	207	17	190	84%
	Makarfi	Makarfi	7	90	64	26	62%
	Minjibir	Minjibir	11	193	71	122	52%
	Rimin Gado	Rimin Gado	7	57	18	39	82%
	Sabon Gari	Sabon Gari	9	169	93	76	93%
	Soba	Soba	5	56	36	20	68%
	Tofa	Tofa	11	153	107	46	82%
Zaria	Zaria	14	319	178	141	93%	
Total			176	2,889	1,555	1,334	75%

Third-Party Trainings

Table 5-2: Trainings provided by a third party trained by EWS-KT. Third-party trainers can range from key farmers to agro-input dealers to government officials.

Project	Location	Third-Party Trainer	Party Trained	Modules or Activity	Total People Trained	Male	Female	Youth %
Transforming Nigeria's Vegetable Market	Igabi	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	166	86	80	55%
	Kubau	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	1,153	818	335	59%
	Kudan	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	511	404	107	46%
	Makarfi	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	946	697	249	44%
	Sabon Gari	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	738	507	231	54%
	Soba	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	1,234	848	386	53%
	Zaria	Subject Matter Specialists (Government Extension Agents)	Farmers	GAP	1,958	1,211	747	54%
Total					6,706	4,571	2,135	53%

Training of Other Stakeholders

Table 5-4: Distribution of additional stakeholders trained by EWS-KT. This includes online certification programs by EWS-KT.

Project	Location	Party Trained	Modules or Activity	Total People Trained	Male	Female	Youth %	Youth %
EWS-KT	Online	-	Vegetable Production Beginner Certification	62	41	21	89%	55%
EWS-KT	Online	-	Agrobusiness Certification	62	47	15	85%	59%
Total					124	88	36	87%

Advice at Agro-Input Dealer Shops

Table 5-5: Advice provided at agro-input dealer shops by EWS-KT Technical Field Officers (TFOs) or supervised agro-input dealers.

Project	Location	Trainer	Party Trained	Modules or Activity	Total People Trained	Male	Female	Youth %
HortiNigeria and Transforming Nigeria's Vegetable Market	Bichi	Agro-Input Dealers	Farmers	GAP	2,196	1,737	459	56%
	Bunkure	Agro-Input Dealers	Farmers	GAP	352	301	51	59%
	Dawakin Kudu	Agro-Input Dealers	Farmers	GAP	1,961	1,682	279	49%
	Dawakin Tofa	Agro-Input Dealers	Farmers	GAP	1,460	1,271	189	37%
	Garko	Agro-Input Dealers	Farmers	GAP	2,515	2,234	281	46%
	Igabi	Agro-Input Dealers	Farmers	GAP	211	193	18	57%
	Ikara	Agro-Input Dealers	Farmers	GAP	2,475	2,389	86	84%
	Kubau	Agro-Input Dealers	Farmers	GAP	1,989	1,938	51	57%
	Kudan	Agro-Input Dealers	Farmers	GAP	6,796	5,898	898	58%
	Kumbotso	Agro-Input Dealers	Farmers	GAP	1,588	1,511	77	46%
	Kura	Agro-Input Dealers	Farmers	GAP	20	20	0	70%
	Makarfi	Agro-Input Dealers	Farmers	GAP	5,970	5,200	770	68%
	Minjibir	Agro-Input Dealers	Farmers	GAP	1,634	1,598	36	46%
	Rimin Gado	Agro-Input Dealers	Farmers	GAP	380	338	42	27%
	Sabon Gari	Agro-Input Dealers	Farmers	GAP	5,785	4,918	867	56%
	Soba	Agro-Input Dealers	Farmers	GAP	3,882	3,571	311	50%
Tofa	Agro-Input Dealers	Farmers	GAP	402	351	51	53%	
Zaria	Agro-Input Dealers	Farmers	GAP	2,867	2,346	521	49%	
Total					42,483	37,496	4,987	56%

Other Value Chain Highlights

The agro-input dealers trained by EWS-KT under the HortiNigeria and Transforming Nigeria's Vegetable Market projects continue to give advice to local vegetable farmers.





Section 4

DIGITAL MEDIA

Digital Platform Members or Followers

Table 6: Number of members/followers at the end of each quarter.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
EWS-KT Main Facebook Page (Followers)	-	4,018	4,865	
Country Facebook Group (Members)	26,524	28,200	41,607	
WhatsApp Group (Members)	1,416	2,105	1,352	
Messenger Group (Members)	155	146	298	
Telegram Group (Members)	167	174	171	

Country Facebook Content and Engagement

Table 7: Content creation and indicators of viewer engagement.

Posts Created	Total Views	Comments	Reactions
1,479	392,182	25,151	103,934

Digital Outreach

Table 8-1: Number of digital platform users, viewers, or views.

Digital Platform	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Country Facebook Group (Viewers)	162,906	259,643	392,182	
EWS-KT YouTube (Views)	4,872	4,549	7,375	
EWS-KT GrowHow (Users)	2,768	2,267	1,247	

Non-Digital Indirect Outreach

Table 8-2: Outreach through printed guides, radio, and other non-digital means.

Type of Outreach	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Radio (Callers)	-	564	406	
Guides Distributed (Guides)	10,423	7,534	10,774	

Top 3 Facebook Posts

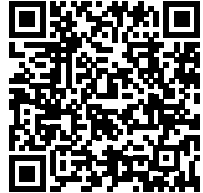
Facebook posts with the most engagement.



Baking soda is a gardener's best friend
(10 uses of baking soda)

Reach
250,973
Comments
139
Shares
572
Likes
1,300

Reactions
45



VIEW POST



Combination of different Field Day photos

Reach
49,475
Comments
93
Shares
12
Likes
801

Reactions
22



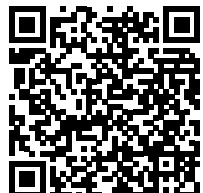
VIEW POST



Pictures of papaya seedlings and fruits
from a gardener

Reach
7,065
Comments
117
Shares
3
Likes
192

Reactions
9



VIEW POST

Fresh Vegetable Market Prices

Table 9: Retail vegetable prices during the quarter. This data was collected on a weekly basis from various vegetable markets in Kano and Kaduna by the field staff. Examples include Makarfi, Dutsen Wai, and Hunkuyi markets in Kaduna and Badume, Darki, and Karfi markets in Kano. Measurement units for each crop are noted in the Crops column.

Cro	Vegetable Price Fluctuation, July to September 2023 (average price per stated unit, in NGN)											
	W25	W26	W27	W28	W29	W30	W31	W32	W33	W34	W35	W36
Cucumber (per 50 kg)	6,200	6,750	7,125	8,400	9,000	12,000	9,650	7,000	8,000	5,580	5,800	7,050
Chili Pepper, dried (per 30 kg)	29,000	25,375	21,500	28,800	39,200	45,000	34,300	32,000	34,000	30,000	29,150	31,300
Onion (per 100 kg)	22,500	16,000	22,000	19,500	17,100	20,000	27,000	30,000	35,000	26,000	25,150	29,500
Tomato (per 65 kg)	11,850	8,000	10,250	10,000	7,750	8,000	8,500	21,000	20,000	13,050	14,250	8,000
Cabbage (per 100 kg)	6,000	6,000	6,850	8,750	4,500	9,750	10,100	9,000	9,500	4,350	7,000	6,500

Table 9 Notes

The price of vegetables increased this quarter due to high demand.