



KNOWLEDGE TRANSFER

NIGERIA - Q1

QUARTERLY REPORT

2023 (January - March)



Dry Season





Section 1

NEWS & HIGHLIGHTS



KNOWLEDGE TRANSFER

1. Women HortiVantage program
2. Agro-input dealers' graduation from intensive EWS-KT Nigeria training-of-trainers program
3. EWS-KT Nigeria inception meeting



DIGITAL & OTHER

1. HortiNigeria key farmers' graduation
2. Radio survey
3. Podcast survey



DEMONSTRATION PLOTS

1. Mega Field Days for HortiNigeria and Transforming Nigeria's Vegetable Market projects
2. HortiVantage women event



HIGHLIGHT IMAGES



At the 8th agrofood & plastprintpack Nigeria event.



Agro-input dealers' graduation from EWS-KT Nigeria training-of-trainers program.



At the HortiNigeria Mega Field Day in Kano state.



Wageningen University & Research (WUR) representatives meeting with the HortiNigeria team in Kano state.



Section 2



KNOWLEDGE
TRANSFER

DEMONSTRATION PLOTS

Distribution of Crops

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

Sr. No.	Vegetable Crop	No. of Demos	Crop Variety	No. of Demos per Variety	Avg. Land Size (sq. m.)
1	Onion	162	Prema F1	143	250
			Super Yale	18	250
			Red Jewel F1	1	250
2	Cabbage	80	Paske F1	79	250
			Nuzaka F1	1	250
3	Tomato	63	Diva F1	31	250
			Platinum F1	31	250
			Padma F1	1	250
4	Watermelon	22	Sweet Sangria F1	22	250
5	Okra	20	Maha F1	13	250
			Basanti	7	250
6	Cucumber	13	Mona Lisa F1	11	250
			Greengo F1	2	250
7	Lettuce	7	Rapido	7	250
8	Sweet Corn	4	Sugar King F1	4	250
9	Hot Pepper	2	Demon F1	2	250
	Total	373		373	

Table 1 Notes

Onion, cabbage, and tomato have the highest numbers of demos because they are the basic crops grown, unlike hot pepper and sweet corn.



Section 2 DEMONSTRATION PLOTS



KNOWLEDGE
TRANSFER

Demos Associated with Projects

Table 2: Details of major projects during this quarter. Plots <80 square metres are considered home gardens. Plots >80 square metres are considered semi-commercial.

Project Name	Project Area	Average Land Size (sq. m.)	No. of Demos		
			Ongoing	Completed	Terminated
HortiNigeria	Bichi	250	4	0	0
	Dawakin Kudu	250	6	0	0
	Dawakin Tofa	250	19	0	0
	Garko	250	11	0	0
	Ikara	218	7	0	0
	Kubau	250	20	0	0
	Kudan	250	10	0	1
	Kumbotso	250	11	0	1
	Makarfi	250	19	0	0
	Minjibir	250	8	0	0
	Rimin Gado	250	13	0	0
	Sabon Gari	250	19	0	2
	Soba	250	20	0	0
	Tofa	237	3	0	0
	Zaria	250	2	0	1
Transforming Nigeria's Vegetable Market	Dawakin Kudu	250	20	0	0
	Dawakin Tofa	250	17	0	0
	Garko	250	15	0	0
	Kubau	250	12	0	0
	Kudan	238	19	0	1
	Makarfi	250	12	0	0
	Minjibir	250	16	0	0
	Rimin Gado	250	21	0	0
	Sabon Gari	250	18	0	1
	Soba	250	19	0	0
	Tofa	234	14	0	0
	Zaria	250	18	0	0
Total			373	0	7

Table 2 Notes

In this quarter, there were no completed demos, as the rainy season harvest has just commenced. 7 demos were terminated due to animal invasion.



Section 2 IMAGES OF DEMO PLOTS



Harvesting cabbage with a key farmer at her demo field.



Training women on fertilizer and fertilizer application with Technical Field Officer Halima Yassar in Kumbotso LGA.



Onion demo field in Sabon Gari LGA.



Cabbage demo field in Kudan LGA.



Training baseline farmers.



Training on fertilization at a cabbage demo.



Section 3

FARMER TRAINING



KNOWLEDGE
TRANSFER

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					
Transforming Nigeria's Vegetable Market	Dawakin Kudu	Dawakin Kudu	5	666	437	229	59%
	Dawakin Tofa	Dawakin Tofa	5	382	334	48	60%
	Garko	Garko	5	534	335	199	47%
	Kubau	Kubau	5	453	294	159	63%
	Kudan	Hunkuyi	5	686	489	197	72%
	Makarfi	Makarif	5	485	383	102	66%
	Minjibir	Minjibir	5	249	186	63	39%
	Rimin Gado	Rimin Gado	5	728	480	248	81%
	Sabon Gari	Sabon Gari	5	601	516	85	76%
	Soba	Soba	5	513	442	71	66%
	Tofa	Tofa	5	429	346	83	64%
	Zaria	Zaria	5	679	423	256	76%
HortiNigeria	Bichi	Bichi	6	141	122	19	55%
	Dawakin Kudu	Dawakin Kudu	6	621	374	247	69%
	Dawakin Tofa	Dawakin Tofa	6	363	199	164	61%
	Garko	Garko	6	612	490	122	65%
	Ikara	Ikara	6	208	150	58	48%
	Kubau	Kubau	6	669	364	305	65%
	Kudan	Kudan	6	508	314	194	64%
	Kumbotso	Kumbotso	6	393	234	159	54%
	Makarfi	Makarfi	6	494	340	154	71%
	Minjibir	Minjibir	6	725	443	282	58%
	Rimin Gado	Rimin Gado	6	544	337	207	66%
	Sabon Gari	Sabon Gari	6	309	244	65	75%
	Soba	Soba	6	385	253	132	92%
	Tofa	Tofa	6	430	147	283	77%
	Zaria	Zaria	6	368	180	188	55%
TOTAL			150	13,175	8,856	4,319	66%

Other Value Chain Highlights

Farmers faced 3 main challenges in this quarter:

1. Fluctuations in the price of fuel, which caused higher irrigation costs
2. Higher cost for inputs (e.g., NPK fertilizer), which resulted in a higher cost of farming with a lower return
3. Crash in tomato prices due to high production targeting Christmas, causing a glut in the market





Section 3 FARMER TRAINING



KNOWLEDGE
TRANSFER

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					
Transforming Nigeria's Vegetable Market	Dawakin Kudu	Dawakin Kudu	8	204	131	73	75%
	Dawakin Tofa	Dawakin Tofa	1	20	16	4	100%
	Garko	Garko	2	70	59	11	83%
	Kubau	Kubau	6	139	122	17	50%
	Kudan	Hunkuyi	5	135	135	0	74%
	Makarfi	Makarfi	8	174	122	52	50%
	Minjibir	Minjibir	1	42	0	42	56%
	Rimin Gado	Rimin Gado	6	129	52	77	83%
	Sabon Gari	Sabon Gari	7	147	102	45	54%
	Soba	Soba	12	174	146	28	24%
	Tofa	Tofa	8	209	168	41	54%
	Zaria	Zaria	13	200	103	97	60%
HortiNigeria	Bichi	Bichi	3	53	37	16	85%
	Dawakin Kudu	Dawakin Kudu	14	246	88	158	79%
	Dawakin Tofa	Dawakin Tofa	8	96	65	31	62%
	Garko	Garko	7	94	60	34	57%
	Hunkuyi	Hunkuyi	16	470	238	232	75%
	Ikara A	Ikara	7	123	62	61	90%
	Kubau	Kubau	8	188	97	91	47%
	Kumbotso	Kumbotso	12	195	75	120	69%
	Makarfi	Makarfi	4	142	73	69	63%
	Minjibir	Minjibir	14	261	169	92	61%
	Rimin Gado	Rimin Gado	16	249	96	153	49%
	Sabon Gari	Sabon Gari	6	136	94	42	82%
	Soba	Soba	7	194	172	22	63%
	Tofa	Tofa	3	238	109	129	83%
	Zaria	Zaria	15	448	250	198	73%
Total			217	4,776	2,841	1,935	66%

Third-Party Trainings

Table 5-2: Trainings provided by a third party trained by EWS-KT field staff. 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 %
HortiNigeria	Kaduna	Agrodealer	Farmers	GAP	1,487	1,366	121	51%
	Kano	Agrodealer	Farmers	GAP	277	244	33	44%
Transforming Nigeria's Vegetable Market	Kaduna	Agrodealer	Farmers	GAP	629	603	26	55%
	Kano	Agrodealer	Farmers	GAP	2,177	1,926	251	58%
	Kaduna	Subject Matter Specialists	Farmers	GAP	13,318	9,333	3,985	52%
Total					17,888	13,472	4,416	55%

Training of Trainers

Table 5-3: Distribution of stakeholders who are trained as trainers by EWS-KT (including certification programs by EWS-KT and WUR).

Project	Location	Extension Party Trained	Modules or Activity	Total People Trained	Male	Female	Youth %
Transforming Nigeria's Vegetable Market	Kaduna	Subject Matter Specialists	GAP	14,316	10,127	4,189	74%
	Kano	Subject Matter Specialists	GAP	1,112	1,027	85	55%
Total				15,428	11,154	4,274	72%



Section 5

DIGITAL MEDIA



KNOWLEDGE
TRANSFER

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
Country Facebook Group (Members)	26,524			
WhatsApp Group (Members)	1,416			
Messenger Group (Members)	155			
Telegram Group (Members)	167			

Country Facebook Content and Engagement

Table 7: Content creation and indicators of viewer engagement.

Posts Created	Total Views	Comments	Reactions
397	162,906	6,509	31,797

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			
EWS-KT YouTube (Views)	4,872			
EWS-KT GrowHow (Users)	2,768			

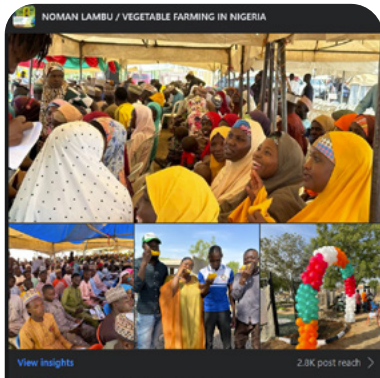
Non-Digital Indirect Outreach

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

Type of Outreach	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Guides Distribution (Sheets)	10,423			

Top 3 Facebook Posts

Facebook posts with the most engagement.



HortiNigeria Mega Field Day in Kano

Reach
2,800
Comments
32
Shares
0
Likes
132

Reactions
21



[VIEW POST](#)



Women farmers at harvest and Field Day in Kumbotso LGA

Reach
4243
Comments
28
Shares
0
Likes
142

Reactions
19



[VIEW POST](#)



Attending the 8th agrofood & plastprintpack Nigeria event

Reach
2,656
Comments
27
Shares
0
Likes
128

Reactions
14



[VIEW POST](#)



Fresh Vegetable Market Prices

Table 9: Vegetable price fluctuations during the quarter, showing the top crop data collected in different markets at different intervention locations. Measurement units for each crop are noted in the Crops column.

Crop	Vegetable Price Fluctuation from January to March 2023 (Average Price per Stated Unit)											
	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Cucumber (per 50 kg)	7,000	6,500	5,700	5,550	3,400	3,600	3,750	4,900	5,150	4,500	4,750	6,750
Chili pepper (per 100 kg)	30,751	28,458	27,875	29,200	27,550	25,330	25,070	21,540	21,915	19,500	21,875	26,375
Onion (per 100 kg)	26,750	29,500	26,500	23,940	18,325	19,650	17,320	13,375	15,000	14,800	7,000	8,250
Tomato (per 65 kg)	4,420	4,710	6,250	4,420	3,750	2,750	2,450	4,550	3,940	3,420	5,750	11,500
Cabbage (per 100 kg)	5,500	5,150	5,450	4,900	2,650	4,340	2,450	2,850	2,880	3,860	4,250	6,000