



EAST-WEST SEED
FOUNDATION

KNOWLEDGE
TRANSFER

CAMBODIA - Q2

QUARTERLY REPORT

2023 (April - June)



Dry Season



Section 1

NEWS & HIGHLIGHTS



KNOWLEDGE TRANSFER

On 4 April, EWS-KT Cambodia welcomed members of the Sustainable Intensification Farmer-to-Farmer Program to visit field activities of the Grow Against the Flow project in Kampong Cham province.

From 9 to 11 May, EWS-KT Cambodia welcomed an internal field visit from the Bangladesh Knowledge Transfer Manager, the India Knowledge Transfer Manager, and the Indonesia Assistant Knowledge Transfer Manager to see demonstrations and field activities of the Grow Against the Flow project and Catalysing Market Development project in Kampong Cham, Kampong Speu, and Takeo provinces.

On 25 May, EWS-KT Cambodia welcomed representatives from the United States Department of Agriculture (USDA) to visit project areas of the Catalysing Market Development and Grow Against the Flow projects in Kampong Cham province.

From 26 to 30 June, EWS-KT Cambodia held a team reflection training in Siem Reap province. Six modules for training and staff capacity building were discussed to further strengthen the team.



DIGITAL & OTHER

This quarter, the number of members in the EWS-KT Cambodia Facebook group, Agriculture Technical Advisory, was 6,751. There were 167 posts, 1,072 comments, and 71,836 unique viewers.

There were 9 Messenger groups, one for each target area. The total number of members at the end of the quarter was 712, which is 26 more than the previous quarter, and new members included farmers, technical field staff, vegetable collectors, and agro-input dealers.

8,700 crop and technical guides were provided to farmers, relevant stakeholders, vegetable collectors, and agro-input dealers.



DEMONSTRATION PLOTS

In this quarter, there were 83 demonstration plots (39 ongoing demonstrations and 44 completed demonstrations). The gender distribution was 50 female key farmers and 26 male key farmers, and 14.5% of the key farmers were youth.

The age of key farmers was as follows:

- Under 35 years old: 5 male and 6 female farmers
- 35 to 45 years old: 8 male and 19 female farmers
- Over 45 years old: 13 male and 25 female farmers



HIGHLIGHT IMAGES



Bangladesh Knowledge Transfer Manager, India Knowledge Transfer Manager, and Indonesia Assistant Knowledge Transfer Manager visited demonstrations and field activities of the Catalysing Market Development project in Kampong Cham province.



United States Department of Agriculture (USDA) representatives visited the project area of the Catalysing Market Development and Grow Against the Flow projects in Kampong Cham province.



HIGHLIGHT IMAGES



EWS-KT Cambodia conducted a team reflection training in Siem Reap province.



Members of the Sustainable Intensification Farmer-to-Farmer Program visited field activities of the Grow Against the Flow project in Kampong Cham province.



Section 2

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.)
Cucumber	28	HyperC F1	14	933
		Empire F1	9	988
		Amara-21 F1	5	1,499
Yard Long Bean	18	Sesan 356	18	507
Tomato	17	Phearum F1	17	400
Caisim	7	Oni	4	450
		Other	3	733
Mustard Green	3	Makot	2	750
		Other	1	300
Bitter Gourd	2	Thon 73 F1	2	850
Lettuce	2	Rapido	2	500
Cabbage	1	Samnang F1	1	1,000
Pumpkin	1	Sovan 162 F1	1	400
Ridge Gourd	1	Naga F1	1	1,920
Sweet Corn	1	Sugar King F1	1	550
Watermelon	1	Loueng Reach F1	1	400
Waxy Corn	1	Whahiba	1	500
Total	83		83	

Table 1 Notes

This quarter, there were 13 demo crops. Cucumber was the most grown, with 28 demonstrations. Ridge gourd (Naga F1 variety) had the biggest average demo plot size (1,920 square meters).

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			Project Targets
			Ongoing	Completed	Terminated	
Catalysing Market Development	Chamkar Leu	679	0	15	0	100%
	Kompong Trabaek	530	2	3	0	
	Samraong	900	0	9	0	
	Samrong Tong	1,340	1	5	0	
	Thpong	1,265	1	7	0	
	Phnom Srouch	1,000	0	2	0	
Grow Against the Flow	Chamkar Leu	425	2	0	0	90%
	Chhuk	300	4	0	0	
	Chum Kiri	373	11	1	0	
	Dambae	950	2	0	0	
	Kampong Cham	422	9	0	0	
	Kampong Siem	500	1	0	0	
	Kang Meas	750	1	1	0	
	Ponhea Kraek	567	3	0	0	
	Prey Chhor	300	1	1	0	
Tboung Khmum	500	1	0	0		
Total			39	44	0	

Table 2 Notes

In this quarter, there were a total of 83 demonstration plots. The number of demos reached 90% of the project target for Grow Against the Flow and 100% of the project target for Catalysing Market Development.



Section 2 DEMONSTRATION PLOTS

Demo Profits and Productivity

Table 3: Average demo costs and profits. All results are calculated per 500 square meters.

Crop	No. of Demos	No. of Plants	Costs (Riel)	Returns (Riel)	Profits (Riel)	Productivity per Plant (kg)	EWS Reference	
							Productivity per Plant (kg)	Plant Population
Cucumber (Empire F1, HyperC F1, Amara-21 F1)	26	1,053	545,127	1,837,284	1,292,157	1.28	2 - 3	1,333
Caisim (Oni)	7	20,620	179,967	1,646,411	1,466,444	0.05	0.09 - 0.10	11,111
Bitter Gourd (Thon 73 F1)	2	285	679,260	2,616,910	1,937,650	5.38	3 - 5	400 - 444
Yard Long Bean (Sesan 356)	2	1,089	339,200	1,085,236	746,036	0.53	1 - 1.2	1,333
Sweet and Waxy Corn (Sugar King F1, Whahiba)	2	2,200	339,418	832,727	493,309	0.1	0.3 - 0.4	2,222
Lettuce (Rapido)	2	23,700	212,850	912,500	699,650	0.02	-	-
Mustard Green (other)	1	11,100	354,833	2,500,000	2,145,167	0.07	-	-
Cabbage (Samnang F1)	1	1,400	180,500	2,090,000	1,909,500	0.7	1.8 - 2.5	1,333

Table 3 Notes

During this quarter, there were 44 demos completed, of 10 crops. The average cucumber cost per 500 square meters was 545,127 riel (US\$136), with an average return of 1,837,284 riel (US\$459) and an average profit of 1,292,157 riel (US\$323).



Section 2 IMAGES OF DEMO PLOTS



Key farmer training and practice on land preparation and bed preparation (Grow Against the Flow project).



Providing farm inputs to new key farmers in Tboung Khmum province (Grow Against the Flow project).



Providing tomato grafting training and practice with key farmers in Kampong Cham province (Grow Against the Flow project).



Holding a village training in Kampong Speu province (Catalysing Market Development project).



Cucumber demonstration farm in Kampong Speu province (Catalysing Market Development project).



Coaching key farmers to identify pests and diseases on cucumber plants (Catalysing Market Development project).



Section 3

FARMER TRAINING

The main activities that EWS-KT field staff provided this quarter were core group training for farmers, Field Days, village training, advice at agro-input dealer shops, and individual coaching.

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					
Grow Against the Flow	Kang Meas	Preaek Krabau	1	13	4	9	0%
	Batheay	Tang Krasang	1	22	14	8	41%
	Chamkar Leu	Svay Teab	2	18	7	11	28%
	Cheung Prey	Sramar	1	7	6	1	0%
	Chhuk	Lbaeuk	4	105	35	70	5%
	Chum Kiri	Chumpu Voan	2	85	34	51	8%
	Dambae	Kouk Srok	4	45	40	5	20%
	Kampong Cham	Sambuor Meas	6	31	12	19	0%
	Kampong Siem	Ou Svay	12	138	46	92	17%
	Krong Soung	Vihear Luong	4	35	18	17	0%
	Ou Reang Ov	Kong Chey	1	16	16	0	0%
	Ponhea Kraek	Popel	3	28	12	16	18%
	Prey Chhor	Lvea	3	38	14	24	11%
	Tboung Khmum	Mong Riev	2	15	7	8	13%
Catalysing Market Development	Bati	Tnaot	4	125	85	40	41%
	Chamkar Leu	Svay Teab	7	125	61	64	26%
	Kampong Siem	Ou Svay	3	72	44	28	18%
	Kaoh Soutin	Kampong Reab	3	66	33	33	0%
	Kirivong	Ream Andaeuk	5	145	48	97	1%
	Phnom Srouch	Tang khya	8	279	87	194	1%
	Prey Chhor	Lvea	1	32	11	21	3%
	Samrong Tong	Krang Ampil	1	11	8	3	0%
	Srei Santhor	Svay Khsach Phnum	2	30	15	15	0%
	Stueng Trang	Tuol Preah Khleang	2	38	15	23	5%
	Tram Kak	Tram Kak	2	100	52	48	2%
Preah Sdach	Krang Svay	9	321	94	227	15%	
TOTAL			93	1,940	818	1,124	8%

Table 4 Notes

This quarter, 58% of the farmers we trained were female and 8% were youth. Trainings consisted of 27 core group trainings and 66 trainings in satellite villages (villages located around villages with demos).

Field Days

Table 5-1: Field Day location and attendance.

Project Name	Demonstration Location		No. of Field Days	Total Farmers	Male	Female	Youth %
	District	Village Tract					
Catalysing Market Development	Chamkar Leu	Svay Teab	1	10	7	3	20%
	Kompong Trabaek	Kompong Trabaek	1	6	1	5	17%
Grow Against the Flow	Kang Meas	Preaek Krabau	1	29	12	17	0%
	Dambae	Kouk Srok	1	22	21	1	0%
Total			4	67	41	26	4%

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 %
Grow Against the Flow	Kampot	TFOs	Farmers	Advice	311	133	179	7%
	Kampong Cham	TFOs	Farmers	Advice	24	15	9	0%
Total					335	148	188	6%

Other Value Chain Highlights

In quarter 2, we held 4 Field Days. The number of farmers trained at Field Day events was 67 (39% female farmers and 4% youth 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
Country Facebook Group (Members)	6,621	6,751		
Messenger Group (Members)	686	712		

Country Facebook Content and Engagement

Table 7: Content creation and indicators of viewer engagement.

Posts Created	Total Views	Comments	Reactions
167	71,836	1,072	4,916

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)	46,576	71,836		
EWS-KT YouTube (Views)	5,143	3,970		
EWS-KT GrowHow (Users)	380	392		

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 Distributed (Guides)	26,131	8,700		
Agro-Input Dealers (Visitors)	6,141	3,764		

Top 3 Facebook Posts

Facebook posts with the most engagement.



Post by farmer Veng Nary asking about a problem with her yard long bean crop

Reach
1,358

Comments
35

Shares
3

Likes
53

Reactions
169



VIEW POST



Video posted by EWS-KT Team Leader Yen Samnang about tomato grafting

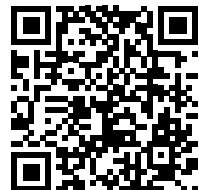
Reach
3,023

Comments
16

Shares
31

Likes
129

Reactions
2,367



VIEW POST



Video posted by EWS-KT Team Leader Yen Samnang about a female farmer and the cost and profit of her tomato production

Reach
1,133

Comments
23

Shares
8

Likes
80

Reactions
705



VIEW POST

Fresh Vegetable Market Prices

Table 9: Retail vegetable prices during the quarter. This data was collected weekly.

Crop	Vegetable Price Fluctuation, April to June 2023 (Average Price per Kilo, in Khmer Riel)											
	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24
Bitter Gourd	1,950	2,100	2,025	2,000	2,075	2,200	2,450	2,000	2,250	2,500	2,000	2,500
Caisim	2,100	2,125	2,575	2,375	2,500	2,167	2,625	2,033	2,000	1,500	1,500	1,500
Cucumber	1,000	1,075	1,325	1,500	1,825	1,775	2,125	1,833	2,000	2,000	2,000	1,700
Hot Pepper	6,575	5,875	5,525	5,950	1,825	1,775	2,125	1,833	2,000	2,000	2,000	1,700
Pakchoi	3,075	2,950	3,625	3,375	2,925	2,950	2,900	3,333	3,000	2,500	5,000	6,000
Round Eggplant	1,700	1,575	1,700	1,700	1,775	1,750	1,450	1,633	2,000	1,500	2,500	3,000
Tomato	1,825	2,325	2,450	2,575	2,500	2,375	2,325	2,600	2,500	2,500	2,500	2,500
Watermelon	1,350	1,350	1,300	1,350	1,425	1,300	1,300	1,333	1,450	1,200	1,200	1,200
Wax Gourd	1,175	1,125	1,375	1,075	1,050	1,075	1,075	1,200	1,450	500	600	500
Waxy Corn	1,833	1,600	1,600	1,700	1,700	1,800	1,800	1,567	1,750	2,000	2,000	2,000
Yard Long Bean	2,767	3,167	3,167	2,933	3,333	4,167	3,600	3,000	2,500	3,000	2,500	2,500