



EAST-WEST SEED
FOUNDATION

KNOWLEDGE
TRANSFER

CAMBODIA - Q3

QUARTERLY REPORT

2023 (July - September)



Rainy season



Section 1

NEWS & HIGHLIGHTS



KNOWLEDGE TRANSFER

On 4 July, the EWS-KT Cambodia Project Coordinator and the Grow Against the Flow project Team Leader joined an end-of-project workshop for the Farmer-to-Farmer (F2F) project in Phnom Penh.

On 4-7 July, EWS-KT Cambodia welcomed members of the Lao PDR government team participating in the Grow Against the Flow project. EWS-KT provided training to the Lao PDR team on integrated pest management, drip irrigation, tomato seedling production, soil improvement, and expansion of microbial cultures of *Trichoderma* and *Metarhizium*. EWS-KT brought the Lao PDR team to visit key farmers and join core group training in Kampong Cham and Tboung Khmum provinces.

On 27 July, the Technical Specialist and the Grow Against the Flow project Team Leader shared their tomato grafting experience in Cambodia with global audiences via Zoom.

On 16-18 August, EWS-KT Cambodia participated in East-West Seed Cambodia's quarterly meeting in Phnom Penh. While in Phnom Penh, EWS-KT team members also gave presentations about their results, challenges, and future plans.

On 20-27 August, the EWS-KT Cambodia Knowledge Transfer Manager and the Technical Specialist went to Lao PDR to provide technical support to the Lao PDR team.

On 1 September, EWS-KT Cambodia welcomed Chea Orn as an intern at the EWS-KT learning farm in Siem Reap province.

On 15 September, the EWS-KT Grow Against the Flow project Team Leader participated in a workshop about agricultural bio-inputs in Cambodia, organized by ECOLAND and CIRAD.



DIGITAL & OTHER

By the end of this quarter, the number of members in the EWS-KT Cambodia Facebook group, called Agriculture Technical Advisory, had reached 7,230. There were 177 posts, 1,003 comments, and 76,831 unique viewers.

There were 9 Messenger groups, one for each target area. The total number of members at the end of the quarter was 743, which is 31 more than the previous quarter, and new members included farmers, technical field staff, vegetable collectors, and agro-input dealers.

4,875 crop and technical guides were provided to farmers, relevant stakeholders, vegetable collectors, and agro-input dealers.



DEMONSTRATION PLOTS

In this quarter, there were 102 demonstration plots (67 ongoing demonstrations and 35 completed demonstrations). The gender distribution was 59 female key farmers and 29 male key farmers, and 9% of the key farmers were youth.

The age of key farmers was as follows:

- Under 35 years old: 4 male and 4 female farmers
- 35 to 45 years old: 9 male and 28 female farmers
- Over 45 years old: 16 male and 27 female farmers



HIGHLIGHT IMAGES



Field visit to a demonstration farm in Tboung Khmum province by the Lao PDR government team participating in the Grow Against the Flow project.



EWS-KT Cambodia team members present their results, challenges, and future plans at a quarterly meeting in Phnom Penh.



Project Coordinator and Grow Against the Flow Team Leader at Farmer-to-Farmer project workshop in Phnom Penh.



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.)
Yard Long Bean	65	Sesan 356	65	387
Tomato	20	Phearum F1	19	415
		Platinum F1	1	300
Caisim	8	Oni	8	312
Cucumber	5	HyperC F1	2	650
		Empire F1	2	1,750
		Amara-21 F1	1	700
Mustard Green	2	Makot	2	850
Lettuce	1	Rapido	1	500
Watermelon	1	Loueng Reach F1	1	400
Total	102		102	

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			% of Total Project Target Reached
			Ongoing	Completed	Terminated	
Catalysing Market Development	Chamkar Leu	375	0	1	0	100%
	Samraong	666	0	3	0	100%
	Kompong Trabaek	450	0	2	0	100%
Grow Against the Flow	Chhuk	327	10	1	0	90%
	Chum Kiri	345	18	4	0	90%
	Dambae	300	0	2	0	90%
	Kampong Cham	362	8	0	0	90%
	Kampong Siem	380	5	0	0	90%
	Kang Meas	485	0	14	0	90%
	Chamkar Leu	375	3	0	0	90%
	Krong Soung	474	15	0	0	90%
	Ou Reang Ov	400	4	0	0	90%
	Ponhea Kraek	460	0	5	0	90%
	Prey Chhor	370	2	3	0	90%
Tboung Khmum	300	1	0	0	90%	
Nurture Veg	Rukh Kiri	3,000	1	0	0	10%
Total			67	35	0	

Table 2 Notes

Total project targets were reached or nearly reached for the two older projects, while new project Nurture Veg has accomplished 10% of the total project target.



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 (KHR)	Returns (KHR)	Profits (KHR)	Productivity per Plant (kg)	EWS Reference	
							Productivity per Plant (kg)	Plant Population
Yard Long Bean	19	1,097	497,672	1,587,446	1,089,774	0.90	1 - 1.2	1,333
Tomato	8	622	501,294	2,730,906	2,229,611	2.88	2.25 - 3	1,333

Table 3 Notes

During this quarter, there were 35 demos completed, of 8 crops. Only yard long bean and tomato are shown here, as the other crops had fewer than 5 completed demos each. The average yard long bean profit per 500 square meters was 1,089,774 riel (US\$272), while the average tomato profit was 2,229,611 riel (US\$557).



Section 2 IMAGES OF DEMO PLOTS



EWS-KT field staff and a key farmer using rice straw as mulch in Banteay Meanchey province (Nurture Veg project).



Village meeting to select key farmers for the Nurture Veg project in Battambang province.



EWS-KT field staff coaching a farmer to identify pests and diseases on eggplant (Nurture Veg project).



New key farmers in Tboung Khmum province with farm inputs provided by EWS-KT (Grow Against the Flow project).



Demonstration farm in Kampot province (Grow Against the Flow project).



Key farmer in Kampot province happy with his yard long bean harvest (Grow Against the Flow 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, 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	Chamkar Leu	Bos Khnor	4	72	35	37	8%
	Chhuk	Krang Snay	4	27	12	15	4%
	Chum Kiri	Srae Chaeng	4	31	14	17	16%
	Kampong Siem	Srak	3	33	8	25	24%
	Krong Soung	Vihear Luong	4	37	21	16	19%
	Krouch Chhmar	Kampong Treas	7	102	54	48	1%
	Ou Reang Ov	Tuol Sophi	3	33	22	11	6%
	Ponhea Kraek	Popel	1	15	5	10	0%
	Prey Chhor	Mien	6	99	43	56	0%
	Tboung Khmum	Mong Riev	17	268	124	144	3%
Nurture Veg	Aek Phnum	Preak Norin	2	46	12	34	11%
	Banan	Chheuteal	1	18	7	11	39%
	Bavel	Prey Khpos	7	172	49	123	4%
	Koas Krala	Thiep Deh	3	59	33	26	7%
	Mongkol Borey	Rohat Tuek	16	324	143	181	2%
	Moung Ruessie	Ro Bos Mongkul	1	14	5	9	14%
	Phnum Srok	Phnom Dei	2	50	46	4	6%
	Preah Netr Preah	Tuek Chour	1	32	2	30	16%
	Rukh Kiri	Preak Chik	4	63	28	35	21%
	Sangkae	Vat Ta Muem	1	14	6	8	21%
TOTAL			91	1,509	669	840	6%

Table 4 Notes

This quarter, 56% of the farmers trained were female and 6% were youth. Trainings consisted of 23 core group trainings and 68 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					
Grow Against the Flow	Chamkar Leu	Bos Khnor	1	26	13	13	54%
	Chhuk	Krang Snay	1	17	8	9	18%
	Chum Kiri	Srae Chaeng	2	25	13	12	24%
	Dambae	Kouk Srok	1	17	13	4	41%
	Kampong Cham	Sambuor Meas	4	19	7	12	32%
	Kampong Siem	Srak	3	46	15	31	39%
	Kang Meas	Reay Pay	1	25	7	18	0%
	Krong Soung	Vihear Luong	2	19	11	8	0%
	Ponhea Kraek	Popel	1	12	4	8	17%
	Prey Chhor	Mien	1	20	6	14	0%
Total			17	226	97	129	25%

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	TFO	Farmers	Advice	190	88	102	8%
	Kampong Cham	TFO	Farmers	Advice	60	39	21	8%
	Tboung Khmum	TFO	Farmers	Advice	55	45	10	11%
Total					305	172	133	8%

Other Value Chain Highlights

57% of the farmers trained at Field Day events were female and 25% were youth.





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)	-	1,637	1,796	
Country Facebook Group (Members)	6,621	6,751	7,230	
Messenger Group (Members)	686	712	743	

Country Facebook Content and Engagement

Table 7: Content creation and indicators of viewer engagement.

Posts Created	Total Views	Comments	Reactions
177	76,831	1,003	5,962

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	76,831	
EWS-KT YouTube (Views)	5,143	3,970	8,617	
EWS-KT GrowHow (Users)	380	392	456	

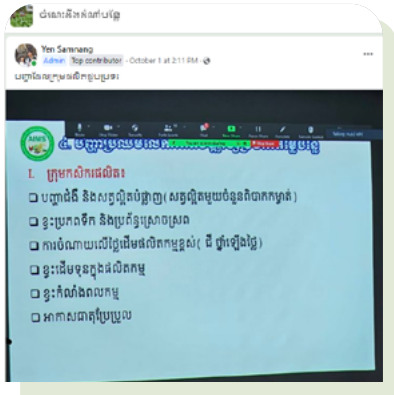
Non-Digital Indirect Outreach

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	4,875	
Agro-Input Dealers (Visitors)	6,141	3,764	3,332	

Top 3 Facebook Posts

Facebook posts with the most engagement.



Post by EWS-KT Team Leader Yen Samnang about a problem that vegetable producers face

Reach
959
Comments
26
Shares
0
Likes
37

Reactions
24



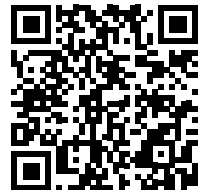
[VIEW POST](#)



Post by EWS-KT Technical Specialist Nov Menghot about the price of yard long bean per kilo

Reach
1,890
Comments
19
Shares
3
Likes
69

Reactions
185



[VIEW POST](#)



Post by EWS-KT Team Leader Yen Samnang about using pesticide on morning glory

Reach
2,147
Comments
21
Shares
16
Likes
53

Reactions
1



[VIEW POST](#)

Fresh Vegetable Prices at the Farm Gate

Table 9: Vegetable prices at the farm gate during the quarter. This data was collected weekly from vegetable collectors who buy vegetables directly from the farmers.

Crop	Vegetable Price Fluctuation, July to September 2023 (average price per kilo, in KHR)											
	W25	W26	W27	W28	W29	W30	W31	W32	W33	W34	W35	W36
Bitter Gourd	1,925	2,075	1,825	1,925	1,875	1,750	1,825	1,875	1,875	2,050	2,000	1,766
Caisim	1,875	2,125	2,075	1,750	1,875	1,750	1,750	1,750	1,750	1,875	1,833	1,833
Cucumber	1,425	1,050	1,250	1,200	1,550	1,375	1,425	1,550	1,425	1,300	833	600
Hot Pepper	6,250	6,000	6,000	6,250	6,125	6,000	6,000	6,250	6,000	5,875	6,166	6,166
Pakchoi	3,125	3,125	2,725	2,950	2,900	2,875	2,875	2,875	2,875	2,825	2,833	2,666
Round Eggplant	1,250	1,325	1,075	1,300	1,475	1,350	1,250	1,250	1,250	1,150	833	966
Tomato	2,250	2,250	2,125	1,875	1,825	1,750	2,125	2,250	3,000	2,625	2,500	2,500
Watermelon	1,375	1,300	1,300	1,125	1,250	1,250	1,325	1,375	1,375	1,375	1,333	1,333
Wax Gourd	1,100	1,125	1,325	1,325	1,475	1,450	1,250	1,150	1,100	950	633	700
Waxy Corn	1,475	1,400	1,475	1,475	1,475	1,400	1,575	1,575	1,575	1,500	1,600	1,600
Yard Long Bean	2,000	2,500	2,300	2,500	1,800	1,500	3,500	3,500	3,300	2,500	2,500	2,300