



KNOWLEDGE TRANSFER

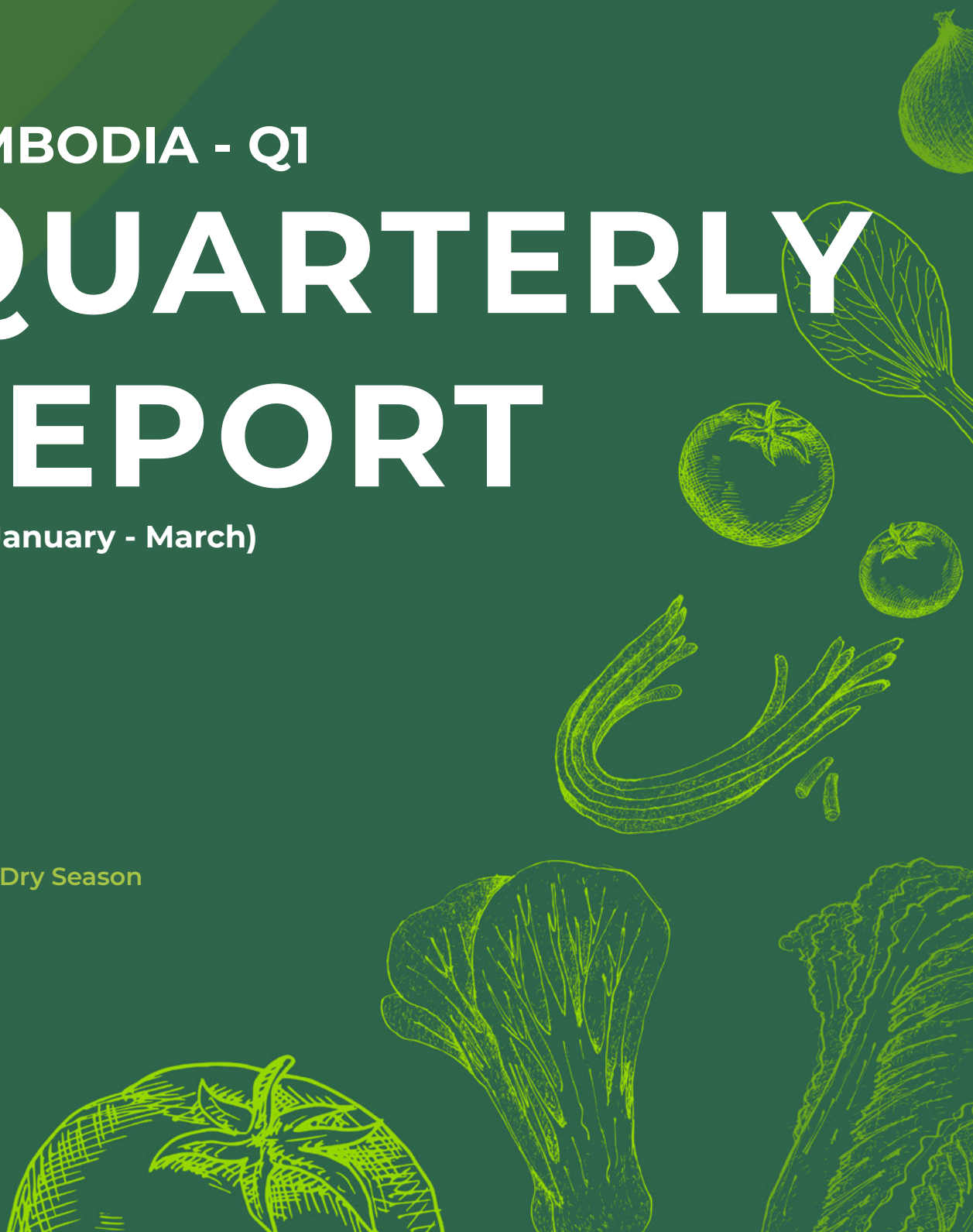
CAMBODIA - Q1

QUARTERLY REPORT

2023 (January - March)



Dry Season





Section 1

NEWS & HIGHLIGHTS



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From 13 to 17 March, EWS-KT Cambodia held a team meeting in Kampot province that included reflections on 2022; improvements for 2023; action plan for 2023; introducing crop business planning to farmers; individual KPI orientation and clarification; data improvement; finance (procurement policy); donor comments, feedback, and expenses; overview budget for 2023; and action research farm.

On 28 March, Alice Melland and Jochen Eberhard from University of Southern Queensland (Australia) visited the Grow Against the Flow project in Kampong Cham province and met with EWS-KT Director Stuart Morris and Cambodia Knowledge Transfer Manager Nonin Chho to better understand the opportunities and challenges of the vegetable sector.

From 29 to 31 March, 2 Technical Field Officers, 1 Technical Specialist, and 2 interns joined a training through the Cambodian Sustainable Intensification Farmer-to-Farmer Program at CE-SAIN Agriculture Technology Park in Siem Reap province. The training was about soil health, composting and biochar, IPM for horticulture, crop water management, and irrigation design.



DIGITAL & OTHER

This quarter, the number of members in the EWS-KT Cambodia Facebook group “Agriculture Technical Advisory” was 6,621. There were 110 posts, 793 comments, and 46,576 unique viewers.

There were 9 Messenger groups, one for each target area. The total number of members at the end of the quarter was 686, which is 77 more than the previous quarter, and new members included farmers, technical field staff, vegetable collectors, and agro-input dealers.

26,131 crop and technical guides were provided to farmers, relevant stakeholders, collectors, and agro-input dealers.



DEMONSTRATION PLOTS

In this quarter, there were 70 demonstration plots (69 ongoing demonstrations and 1 completed demonstration). The gender distribution was 35 female key farmers and 29 male key farmers, and 12.5% of the key farmers were youth.

The age of key farmers was as follows:

- Under 35 years old: 5 male and 3 female farmers
- 35 to 45 years old: 11 male and 15 female farmers
- Over 45 years old: 13 male and 17 female farmers



HIGHLIGHT IMAGES



The EWS-KT Cambodia team held a reflection and planning meeting in Kampot province.



Alice Melland and Jochen Eberhard from University of Southern Queensland (Australia) and EWS-KT Director Stuart Morris visited the Grow Against the Flow project in Kampong Cham province.



HIGHLIGHT IMAGES



Five staff members attended a CE-SAIN Cambodian Sustainable Intensification Farmer-to-Farmer Program on soil health, composting and biochar, IPM for horticulture, crop water management, and irrigation design.



Son Thorn, a key farmer in the Catalysing Market Development project in Kampong Speu province, joined an exchange visit to Battambang province to see modern farming technology; he adopted net house production and was happy to see the results of his radish harvest.



Section 2



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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	Yard Long Bean	26	Sesan 356	25	408
			Other	1	1,000
2	Cucumber	21	HyperC F1	10	811
			Amara-21 F1	6	1,366
			EmpireF1	5	1,081
3	Tomato	10	Phearum F1	9	716
			Platinum F1	1	300
4	Mustard Green	3	Other	2	300
			Makot	1	300
5	Caisim	3	Oni	3	300
6	Lettuce	2	Rapido	2	500
7	Ridge Gourd	1	Naga F1	1	1,920
8	Sweet Corn	1	Sugar King F1	1	550
9	Waxy Corn	1	Whahiba	1	500
10	Bitter Gourd	1	Thon 73 F1	1	1,000
11	Cabbage	1	Samnang F1	1	1,000
Total		70		70	

Table 1 Notes

This quarter, there were 11 demo crops. Yard long bean was the most grown, with 26 demonstrations. Ridge gourd (Naga F1 variety) had the biggest average demo plot size (1,920 square metres).

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			Project Targets
			Ongoing	Completed	Terminated	
Catalysing Market Development	Chamkar Leu	757	6	1	0	90%
	Kompong Trabaek	516	3	0	0	
	Phnom Srouch	1,000	2	0	0	
	Samrong Tong	1,789	3	0	0	
	Thpong	1,444	6	0	0	
	Samraong	685	7	0	0	
Grow Against the Flow	Chhuk	333	6	0	0	90%
	Chum Kiri	578	5	0	0	
	Dambae	433	9	0	0	
	Ponhea Kraek	388	9	0	0	
	Kang Meas	633	9	0	0	
	Prey Chhor	441	4	0	0	
Total			69	1	0	

Table 2 Notes

In this quarter, there were 70 demonstrations, with 69 ongoing demos and 1 completed demo. The number of demos in the Catalysing Market Development and Grow Against the Flow projects reached 90% of the project targets.



Section 2 IMAGES OF DEMO PLOTS



Practicing using plastic mulch (Grow Against the Flow project).



Field Day event on tomato production in Kampong Cham province (Grow Against the Flow project).



Family of key farmers with their tomato field in Kampot province (Grow Against the Flow project).



EWS-KT technical field staff coaching farmers to identify pests and diseases on cucumber (Catalysing Market Development project).



Providing training to farmers about seedling production (Catalysing Market Development project).



Coaching key farmers on understanding pesticide labels (Grow Against the Flow project).



Section 3

FARMER TRAINING



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The main activities that EWS-KT field staff provided this quarter were core group training for farmers, Field Days, village training, agro-input dealer advisory, training of agriculture university students, 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 %
	Province	District					
Catalysing Market Development	Kampong Cham	Chamkar Leu	7	176	60	116	22%
		Kampong Siem	7	191	54	137	3%
		Prey Chhor	3	69	19	50	14%
		Srei Santhor	2	58	25	33	14%
	Kampong Speu	Kong Pisei	1	23	6	17	0%
		Odongk	12	402	101	301	13%
		Phnom Srouch	2	8	3	5	13%
		Samrong Tong	3	18	16	2	11%
		Thpong	7	62	24	38	10%
	Prey Veng	Kompong Trabaek	17	502	176	326	9%
	Takeo	Kaoh Andaet	6	198	70	128	7%
		Kirivong	3	92	37	55	14%
		Prey Kabbas	1	37	18	19	16%
		Samraong	5	150	71	79	0%
Grow Against the Flow	Kampong Cham	Batheay	1	14	2	12	7%
		Kampong Cham	2	25	15	10	0%
		Kampong Siem	4	60	16	44	78%
		Prey Chhor	6	73	28	45	4%
	Kampot	Chhuk	1	10	4	6	0%
		Chum Kiri	3	43	22	21	12%
	Tboung Khmum	Dambae	2	17	17	0	35%
		Ponhea Kraek	3	67	24	43	24%
		Tboung Khmum	1	25	17	8	24%
	TOTAL			99	2,320	825	1,495

Table 4 Notes

This quarter, we provided a total of 99 trainings. The total number of farmers trained was 2,320; 64.43% were female farmers and 12% were youth farmers. Trainings consisted of 29 core group trainings and 70 village trainings in satellite villages (villages located around villages with demos).



Section 3 FARMER TRAINING



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Other Value Chain Highlights

This quarter, we held 17 Field Days. 54.82% of participants were female farmers and 20% were youth farmers



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					
Catalysing Market Development	Kampong Cham	Chamkar Leu	3	23	7	16	22%
	Takeo	Samraong	3	24	15	9	13%
	Prey Veng	Kampong Trabeak	1	12	7	5	8%
Grow Against the Flow	Kampong Cham	Kang Meas	5	44	19	25	25%
		Prey Chhor	1	12	6	6	33%
	Kampot	Chum Kiri	1	15	8	7	7%
	Tboung Khmum	Dambae	1	17	12	5	29%
	Subarna Char	Ponhea Kraek	2	50	15	35	18%
	Total		17	197	89	108	20%

Other Training by EWS-KT

Table 5-2: Opportunities for EWS-KT to reach more people include providing training to university students as part of the course curriculum and giving advice to farmers when EWS-KT staff are present at an agro-input dealer shop.

Project	Location	Party Trained	Modules or Activity	Total People Trained	Male	Female	Youth %
Catalysing Market Development	Prey Veng	Students	Drip irrigation system and introduction to vegetable production	103	50	53	100%
Grow Against the Flow	Kampot	Farmers	Advice given at agro-input dealer shop	89	52	37	10%
	Kampong Cham	Farmers	Advice given at agro-input dealer shop	12	9	3	25%
Total				204	111	93	56%



Section 5

DIGITAL MEDIA



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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			
Messenger Group (Members)	686			

Country Facebook Content and Engagement

Table 7: Content creation and indicators of viewer engagement.

Posts Created	Total Views	Comments	Reactions
110	46,576	793	4,995

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			
EWS-KT YouTube (Views)	5,143			
EWS-KT GrowHow (Users)	380			

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)	26,131			
Agro-Input Dealers (Visitors)	6,141			

Top 3 Facebook Posts

Facebook posts with the most engagement.



Post by Yen Samnang on general information about vegetables

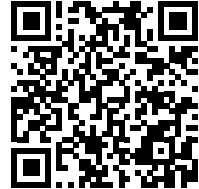
Reach
4,061

Comments
14

Shares
18

Likes
124

Reactions
335



VIEW POST



Post by Uch Sarat about cucumber production on 500 square metres

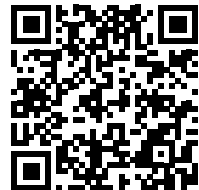
Reach
2,616

Comments
13

Shares
2

Likes
68

Reactions
301



VIEW POST



Post by Yen Samnang about the importance of using drip irrigation

Reach
1,173

Comments
13

Shares
3

Likes
49

Reactions
182



VIEW POST



Section 6

Fresh Vegetable Market Prices

Table 9: This table shows vegetable price fluctuations during the quarter.

Crop	Vegetable Price Fluctuation from January to March 2023 (Average Price per Kilo)											
	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Bitter Gourd	1,760	1,500	1,860	1,760	2,120	2,500	2,400	2,260	2,120	1,860	1,840	1,875
Caisim	1,660	1,660	2,000	1,900	2,000	2,300	2,260	2,220	2,120	1,660	1,400	1,625
Cucumber	1,020	1,620	2,080	2,700	2,560	2,060	1,580	1,560	1,100	680	600	725
Hot Pepper	7,500	8,100	7,860	8,200	7,900	8,000	7,960	7,660	7,160	7,660	7,360	8,000
Pakchoi	2,460	2,160	2,560	2,660	2,560	2,460	2,860	3,160	2,760	2,100	1,940	2,500
Round Eggplant	2,000	1,700	1,800	1,840	2,040	1,740	1,560	1,740	1,800	1,040	940	1,000
Tomato	3,000	2,900	2,920	2,660	2,300	2,000	1,940	1,900	1,900	2,000	1,800	1,800
Watermelon	1,440	1,440	1,440	1,440	1,500	1,440	1,420	1,440	1,440	1,340	1,340	1,375
Wax Gourd	1,000	800	1,060	1,400	1,380	1,420	1,380	1,320	1,220	1,040	1,040	925
Waxy Corn	1,475	1,475	1,525	1,550	1,550	1,550	1,475	1,475	1,475	1,400	1,400	1,400
Yard Long Bean	2,375	2,825	2,675	2,950	2,125	2,075	2,075	2,325	2,325	1,125	1,475	1,500