INITIATIVE ON
Rethinking
Food Markets

CGIAR

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Introducing improved seed varieties in Nigeria's vegetable value chain

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WAGENINGEN
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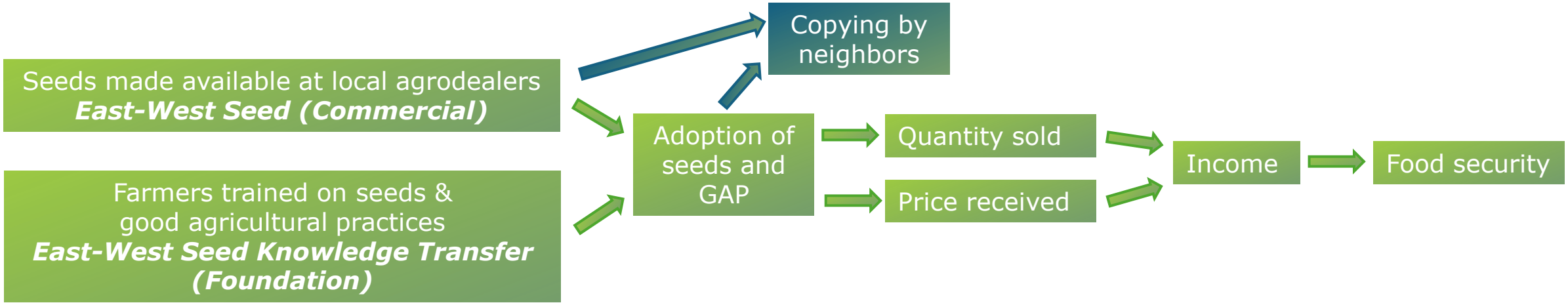
Background

- Provision of inputs
- Production
- Distribution
- Retail
- Consumption

Research questions

- Can vegetable production be increased by making *improved seeds* available and known?
- Does this improve the livelihoods of the trained farmers?
- Do the innovations spread among neighboring farmers?
- Does public acknowledgment of trained farmers stimulate diffusion?



Intervention

East-West Seed KT Extention Module

- Extension agent trains 20-30 farmers on demo plot
  - Key farmer (provides demo plot)
  - Peer (“core”) farmers
  - 5 trainings over 2 cropping cycles
  - (Voluntary practice test with public graduation ceremony)

Location

- 70 communities in Kaduna state
- 80 communities in Kanu state

Research design (RCT)

Training only

52 communities

Baseline interviews
(Aug-Nov 2023)
Key: 51
Core: 482
Other: 495

Endline interviews
(Oct-Dec 2024)

Training
Nov 2023-Apr 2024 (dry season)
May-Oct 2024 (rainy season)

Training and signaling

50 communities

Baseline interviews
(Aug-Nov 2023)
Key: 50
Core: 458
Other: 459

Endline interviews
(Oct-Dec 2024)

No training

48 communities

Baseline interviews
(Aug-Nov 2023)
Key: 47
Core: 0
Other: 595

Endline interviews
(Oct-Dec 2024)

Preliminary results

- Balancing tests reveal that treatment and control groups were highly similar at baseline
- Endline finalized in 101 communities, 49 pending
- 14% attrition rate

- 94% of farmers invited for training participated in at least 1 training
- 45% these farmers received training on at least 10 out of 26 topics

Very preliminary results

% farmers applying	Farmers in communities without training (N=368)	Farmers invited for training (N=1,124)	Neighbors without Signaling (N=244)	Neighbors with Signaling (N=269)
	1. Farmers in communities without training	2. Farmers invited for training	3. Neighbors without Signaling	4. Neighbors with Signaling
% of farmers growing vegetables	32	43	82?	37
% applying GAP (of those growing veg)				
Improved vegetable seeds	35	34	34	26
Crop rotation	83	82	82	82
Thinning	62	69	62	63
Transplanting	95	94	93	92

Next steps

- Finalizing data collection
- Cleaning data
- Impact assessment
- Reporting

Questions and Comments