BACKGROUND

These pathways are intended to support seed businesses and other stakeholders of the potato value chain to visualize the options that exist to produce seed potato considering differing stages of seed production and points of sale.

By carefully following the arrows in the pathways one can assess the options of i) where to start seed potato production, i.e., at minitubers, pre-basic or basic seed, ii) how many generations to consider, and iii) at which point to sell, certified seed for later stage seed producers or at differing stages of early generation seed for more specialized seed producers.

While all the possible entry and exit points are presented, not all options are profitable. Normally, a seed business needs to multiply over at least two generations to be profitable.

Workshops were held in Uganda and Kenya to validate the pathways which feedback from diverse profiles of seed stakeholders was considered.

LEGEND

- Enterprise
- Generation
- Multiplication of seed within the seed business
- Sales of seed - change of hands - from one seed business to another
- Sales of potato as ware
- Formal seed production in the field
- Semi-formal/informal seed production in the field

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CGIAR

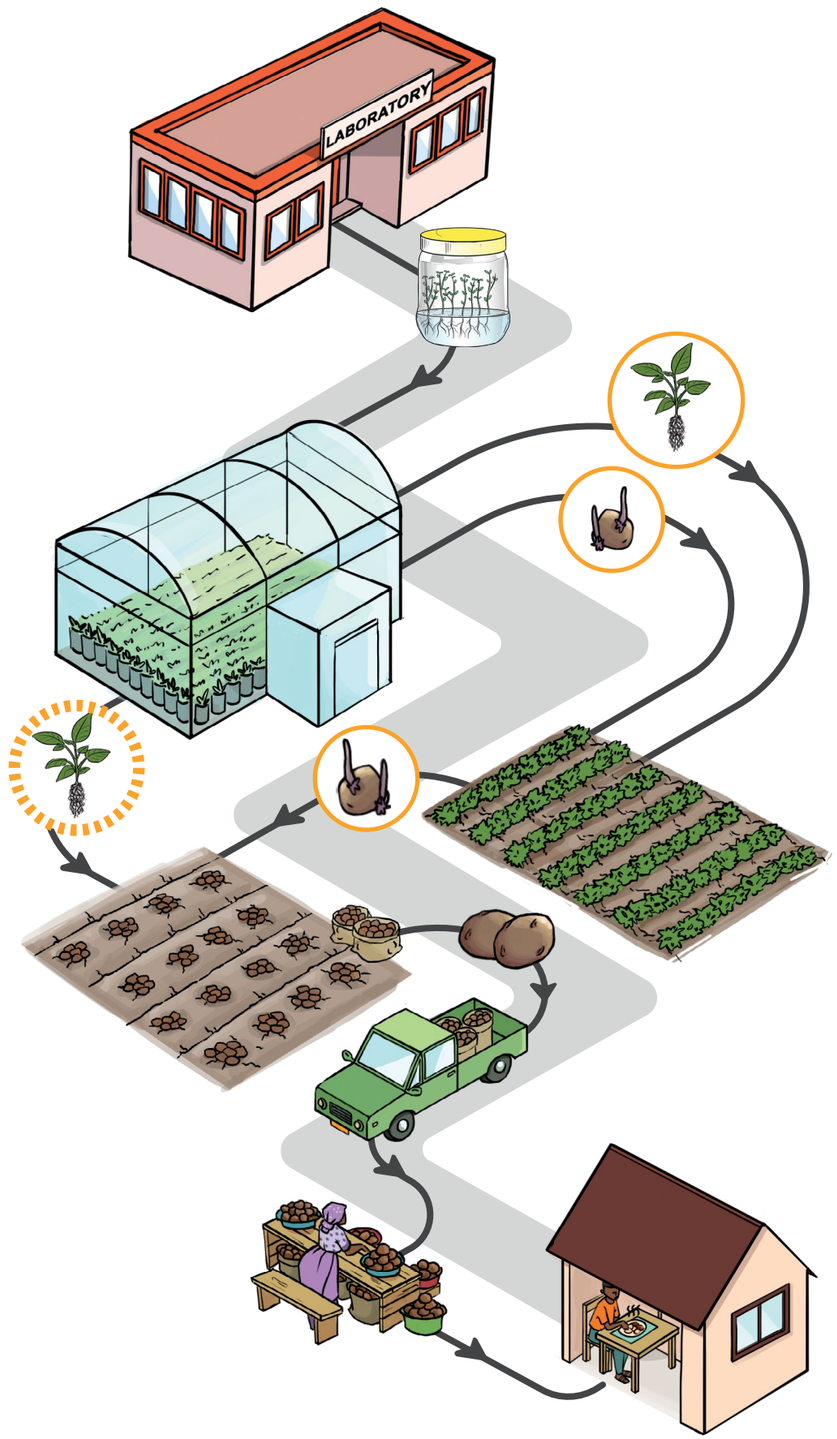
INITIATIVE ON Seed Equal

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Monica L. Parker

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DELIVERY PATHWAYS FOR DIFFERENT SEED POTATO PRODUCTION SYSTEMS AND SCALES OF PRODUCTION



LABORATORY | SCREENHOUSE | FIELD (SEED PRODUCTION) | FIELD (WARE PRODUCTION) | FRESH MARKET (WARE SALES)



Private/public laboratory



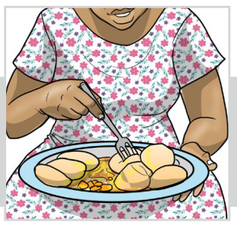
Specialized seed business (with screenhouses)



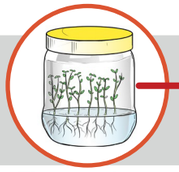
Seed multipliers (without screenhouses)



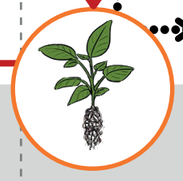
Large & small-scale farmers



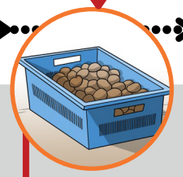
Consumers



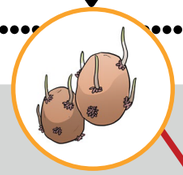
Tissue culture plantlets



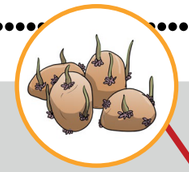
Rooted apical cuttings



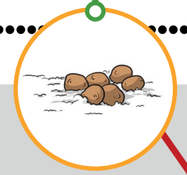
Minitubers



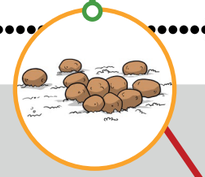
Pre-basic seed



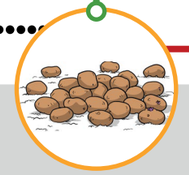
Basic seed



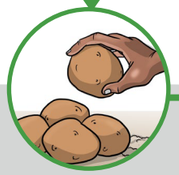
Certified (C1) seed



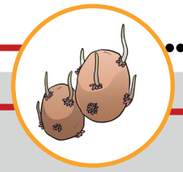
Certified (C2) seed



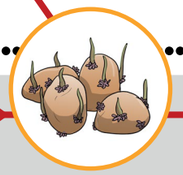
Certified (C3) seed



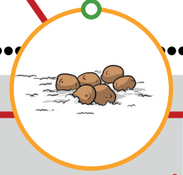
Big tubers



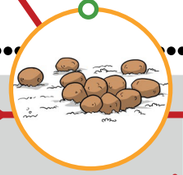
Pre-basic seed



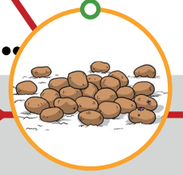
Basic seed



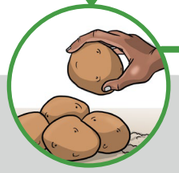
Certified (C1) seed



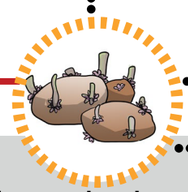
Certified (C2) seed



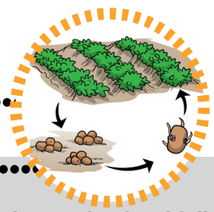
Certified (C3) seed



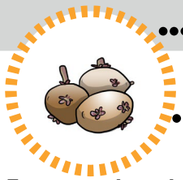
Big tubers



Farm-produced seed



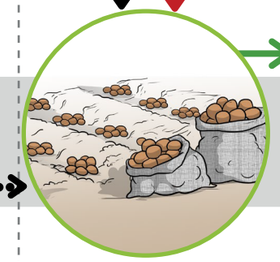
Multiple rounds of multiplication



Farm-saved seed



Selected (small) tubers



Ware potato



Big tubers



Ware potato

Generation	G0 seed/Breeders seed	G1 seed	G2 seed	Seed potato	Ware potato
	Early generation seed potato				