



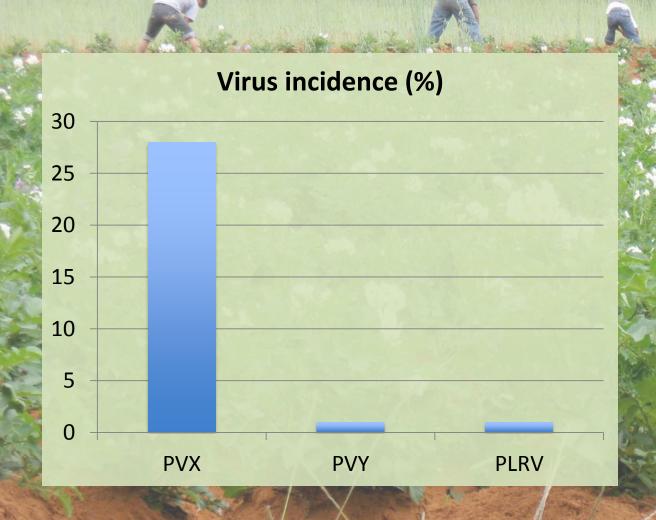








### Healthy native potatoes













#### **Profile**

The DANESPO Group

News

General Terms and Conditions for Sale

How to find DANESPO

Links

#### Production in the largest seed producing country in the world

Skilled employees and potato growers deliver the best potatoes and prioritise our customer service and good logistics for our clients.

Good logistics and a large network of Dutch growers enable us to do fast potato trading. We can react within a few hours and make potato transports for all parts of the world. Contact DANESPO Holland

Wide selection of varieties

DANESPO Holland work with several new and exiting varities such as Cimega. Cropps and

DANESPO is one of the leading companies in Northern Europe producing, selling, trading and breeding quality ware and seed potatoes. We are specialized in sales to companies and professional potato growers.





#### Paradigms in science

(Kuhn 1970)

Paradigm: Universally recognized scientific achievements that for a time provide models and solutions to a community of practitioners

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Paradigm paralysis: The inability or refusal to see beyond the current models



Country	Informal seed system (%)	Reference			
Afghanistan	100	Kadian et al., 2007			
Bangladesh	95	Ilangantileke et al., 2001			
Bhutan	98	Kadian et al., 2007			
Bolivia	98	Hidalgo et al., 2011			
China	80	Muthoni et al., 2013			
Colombia	90-98	FPAPA, 2010; Guzmán-Barney et al., 2012			
Ecuador	97-99	Thiele, 1999; ESPAC, 2012			
India	80	Kadian et al., 2007			
Indonesia	94	Muthoni et al., 2013			
Kenya	97	Gildemacher et al., 2009			
Pakistan	95	Muthoni et al., 2013			
Peru	99	Hidalgo et al., 2011			
Uganda	96	Gildemacher et al., 2009			

Сгор		Seed Source: 'most recent/current season' (%)									
	Own stock	Friend, neighbor relative	Local market	Agro- dealer	CBSG	Govern ment	NGO / UN	Contract growers	Other		
Maize	30.3	9.5	41.9	6.1	0.2	4.8	6.4	0.1	0.0		
Other cereals	40.0	12.1	37.9	2.2	0.8	0.9	6.0	0.0	0.0		
Sorghum	51.2	12.1	28.3	0.2	0.1	1.1	7.1	0.1	0.0		
Millets	44.6	21.1	18.7	0.7	0.0	2.4	12.4	0.0	0.1		
Rice	15.1	9.3	64.3	6.9	2.5	0.0	1.9	0.0	0.1		
Legumes <sup>1</sup>	24.2	4.0	64.4	0.6	0.5	0.6	5.5	0.0	0.2		
Groundnut	34.8	6.4	51.7	0.1	0.3	0.2	6.6	0.0	0.1		
Common bean	10.4	0.9	81.3	8.0	0.9	0.4	5.1	0.0	0.2		
Cowpea	26.7	4.4	56.6	2.4	0.5	4.4	5.0	0.0	0.0		
Pigeonpea	30.1	5.5	61.4	0.4	0.2	1.4	0.6	0.0	0.3		
Green gram	37.1	2.2	49.5	2.9	0.0	4.6	1.6	0.0	0.5		
VPCs	47.3	29.9	18.3	0.1	0.5	0.4	3.2	0.0	0.4		
Cassava	52.9	32.4	9.5	0.0	0.3	0.5	4.3	0.0	0.1		
Banana	16.0	26.0	54.7	0.4	8.0	0.0	0.6	0.0	1.6		
Sweet potato	79.2	14.6	3.5	0.0	0.0	0.0	2.7	0.0	0.0		
Irish potato	38.8	36.7	22.0	0.0	2.0	0.0	0.1	0.0	0.4		
Others <sup>2</sup>	22.9	9.1	33.5	22.3	0.0	1.4	8.7	1.5	0.7		

McGuire S, Sperling L, 2016. Seed systems smallholder farmers use. Food Security 8, 179–195.

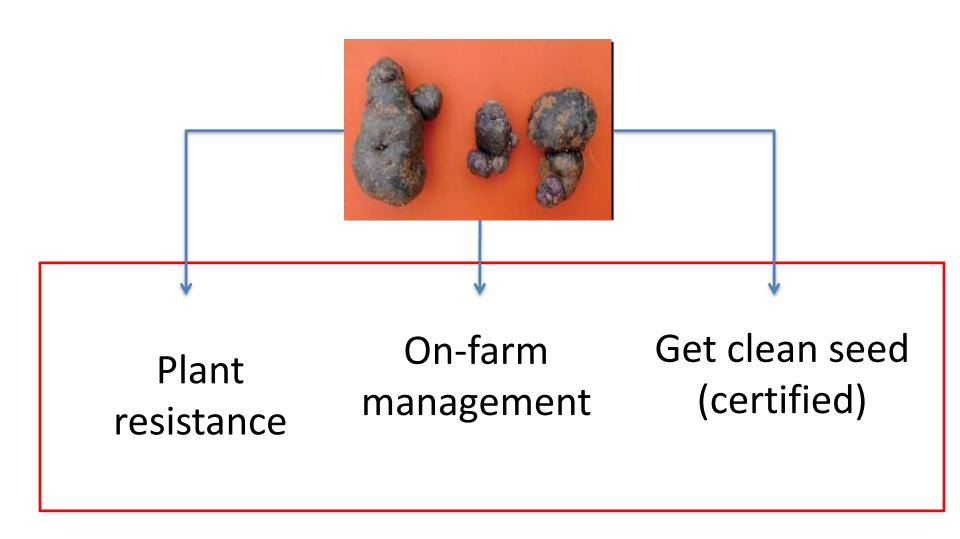


#### clean seed replacement paradigm



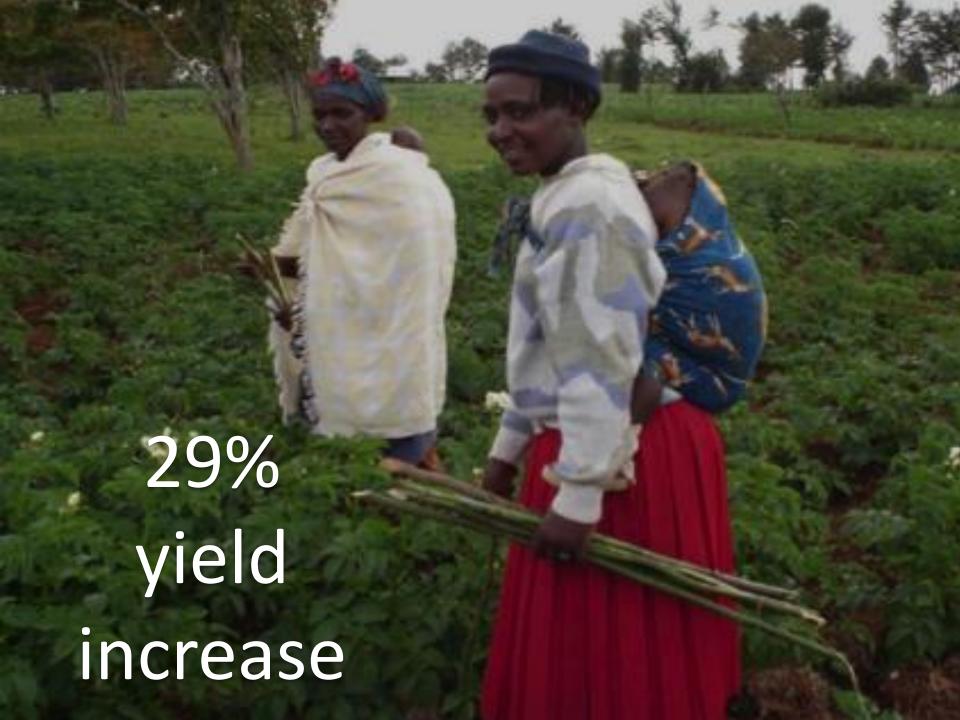
Get clean seed (certified)

#### Integrated seed health strategy











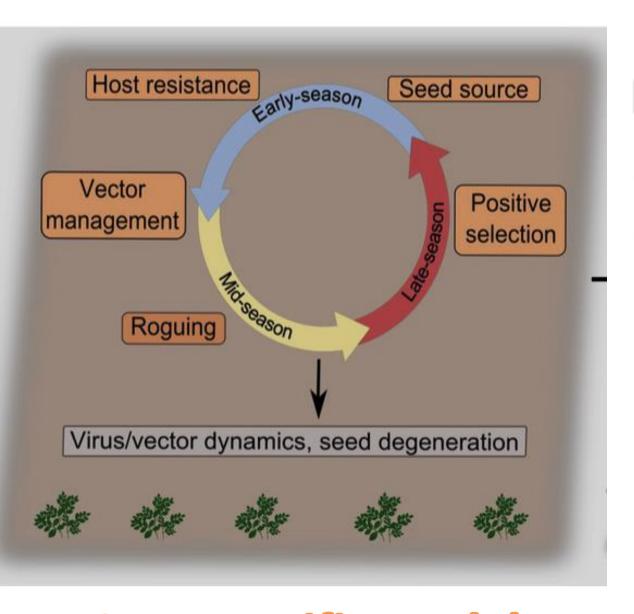


## Workshop report:

# Tools for managing seed degeneration in RTB crops

Facilitation: Kathleen Vaughan Logistics: Julia Zamudio (CIP) James Legg (IITA), East African





Resistance?
Selection
efficiency?
Environment?
Reversion?

Crop specific models

