KENYA'S MAIZEVALUE CHAIN:

TOWARD STRATEGIC INTERVENTIONS TO ADDRESS NATIONAL POLICY CHALLENGES

Lilian Kirimi, Nicholas Sitko, T.S. Jayne, Francis Karin, Milu Muyanga, Megan Sheahan, James Flock, Gilbert Bor

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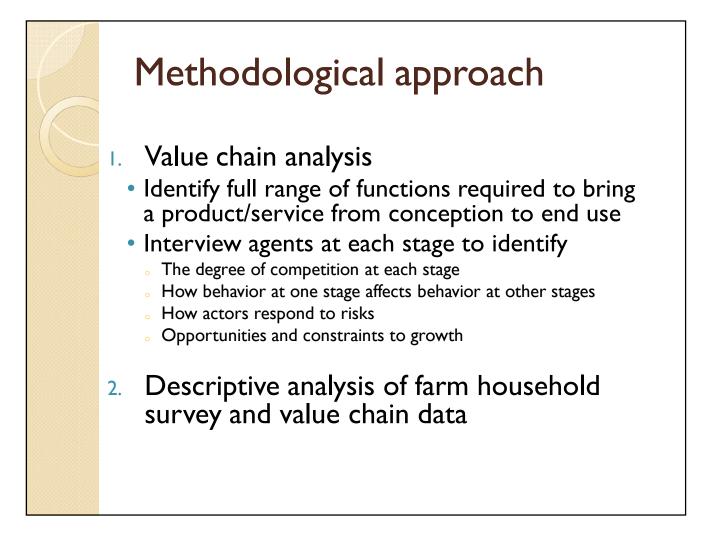
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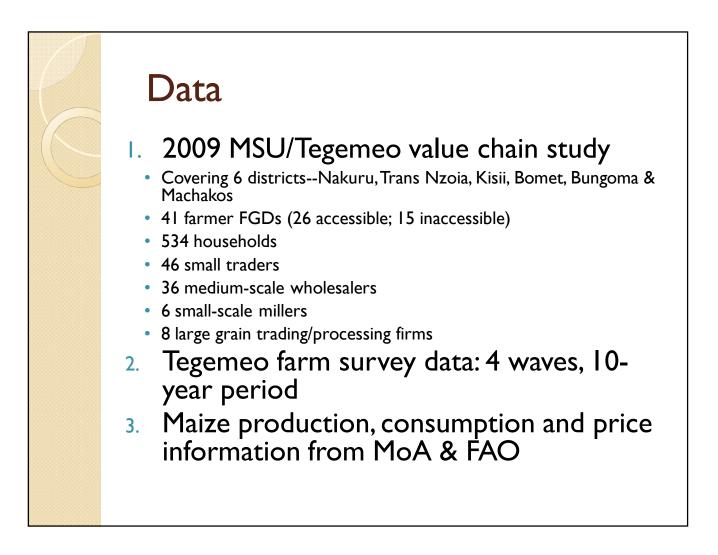
Kenya's 5 main food security and agricultural policy challenges

- How to ensure high-enough food prices for farmers while ensuring low-enough prices for consumers
- 2. How to achieve faster growth in farm productivity
- 3. How to promote smallholders' access to markets
- 4. How to contain food price instability
- 5. (Less well recognized): how to achieve a smallholder-led development strategy in the face of shrinking farm sizes

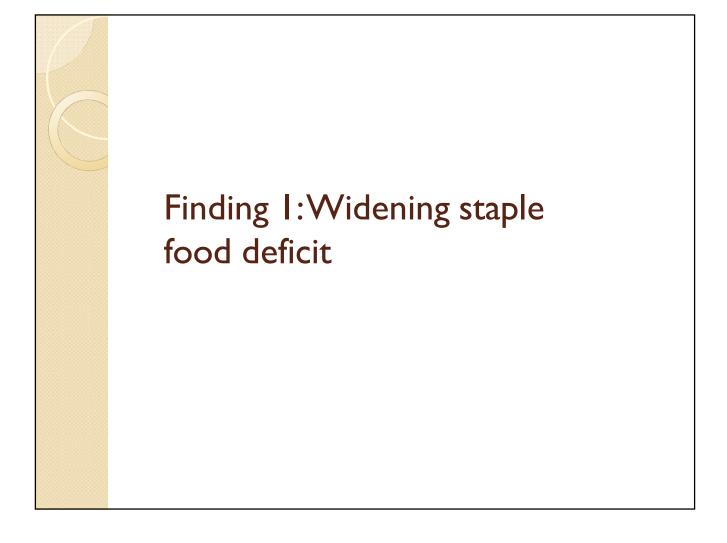


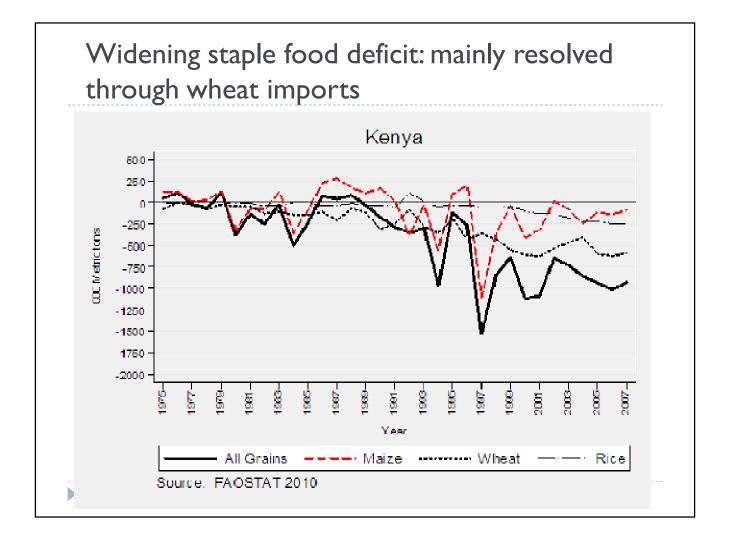
- I. Study methodology and data
- 2. Main findings as they relate to Kenya's food security and agricultural policy challenges
- Identify strategic interventions needed to achieve Kenya's food security policy objectives

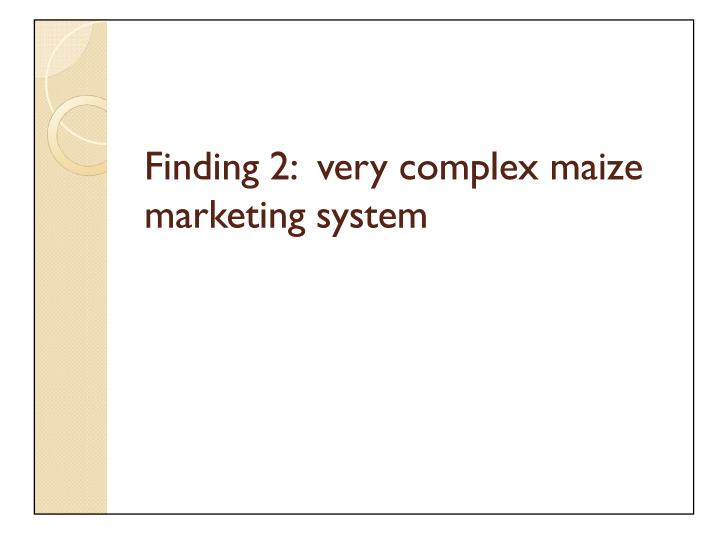




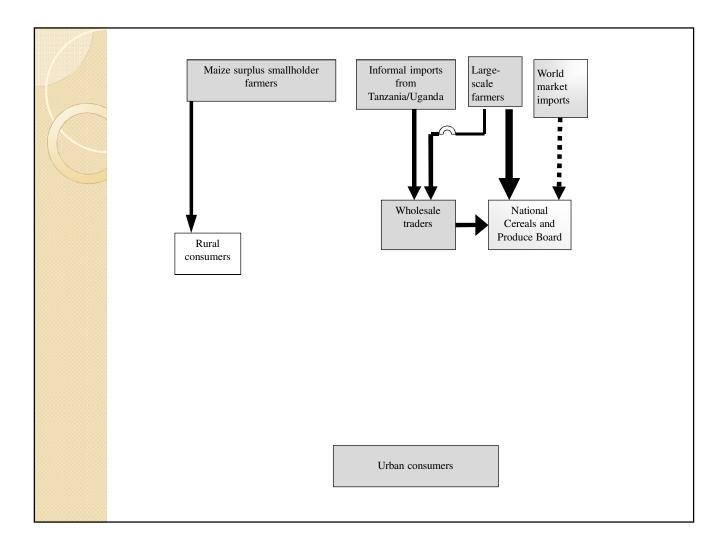


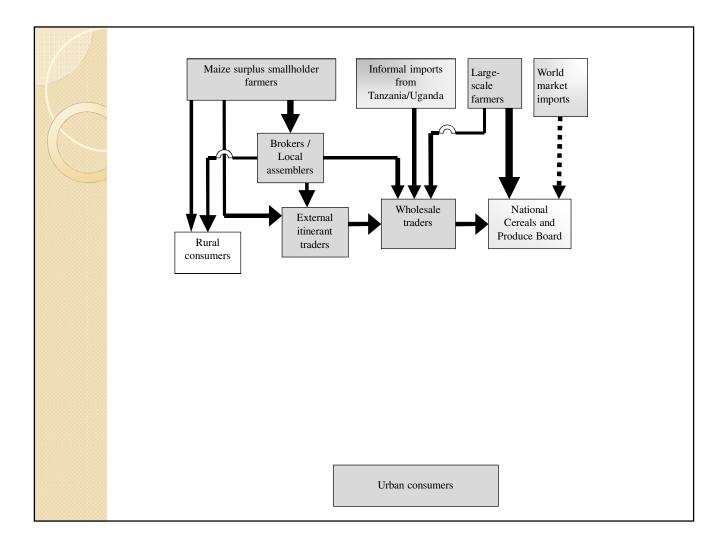


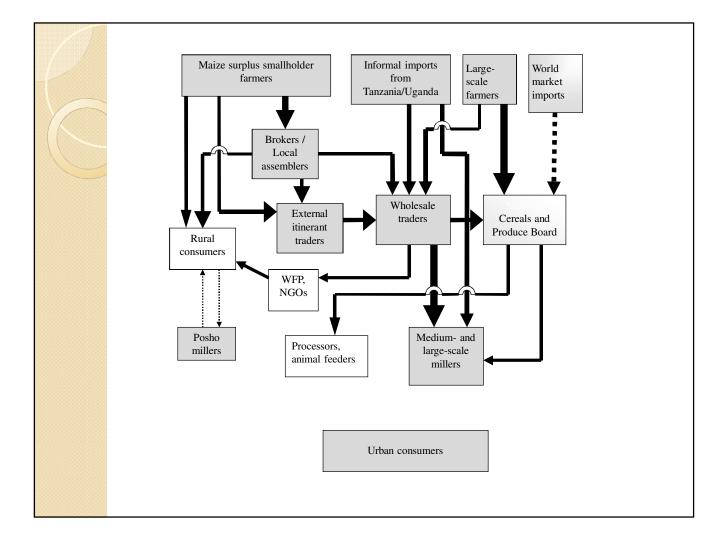


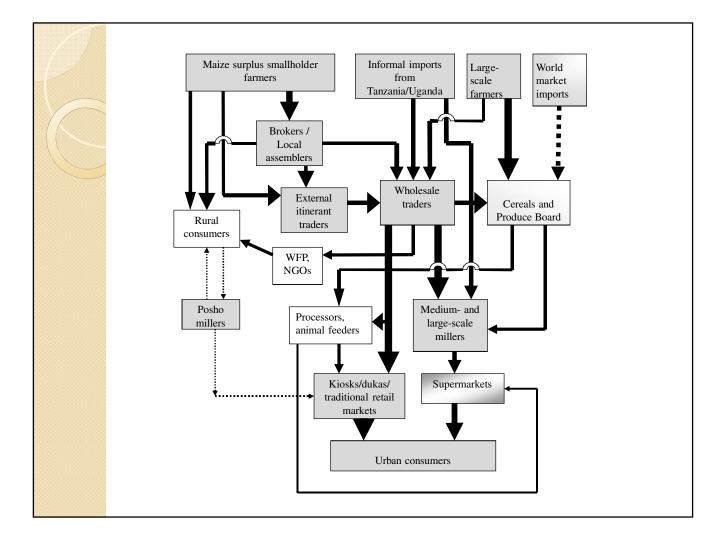


Maize marketing system
Maize surplus smallholder farmersInformal imports fromLarge- scale farmersWorld market imports
Rural consumers
Urban consumers
oroan consumers

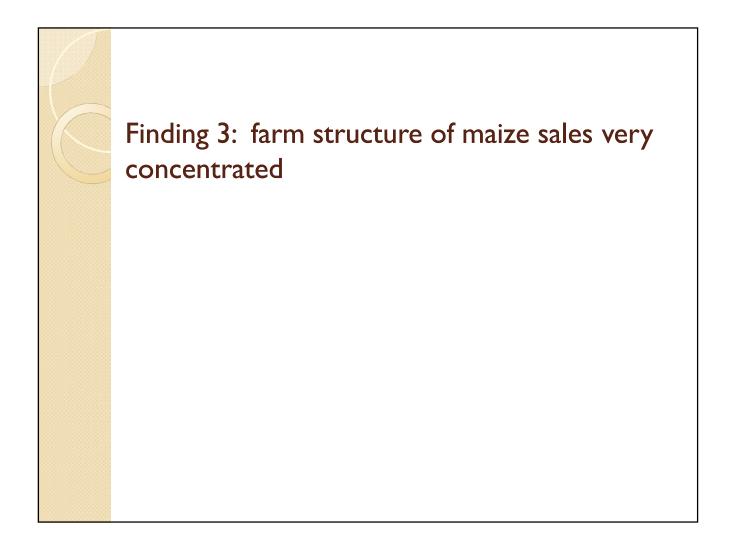


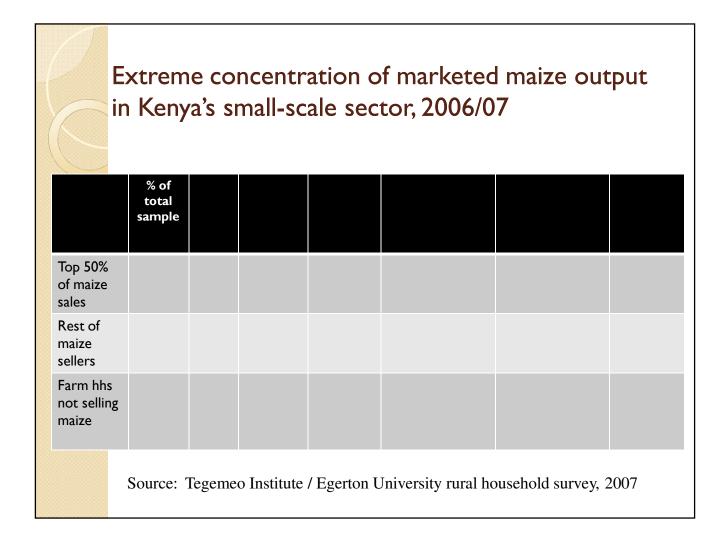












					of marketed tor, 2006/0	l maize out 17	put			
	% of total sample									
Top 50% of maize sales	2.1									
Rest of maize sellers	42.7									
Farm hhs not selling maize	55.2									
Source	Source: Tegemeo Institute / Egerton University rural household survey, 2007									

Extreme concentration of marketed maize output in Kenya's small-scale sector, 2006/07										
	% of total sample	Farm size (acres)								
Top 50% of maize sales	2.1	15.4								
Rest of maize sellers	42.7	5.2								
Farm hhs not selling maize	55.2	3.3								
Source: Tegemeo Institute / Egerton University rural household survey, 2007										

Extreme concentration of marketed maize output in Kenya's small-scale sector, 2006/07										
	% of total sample	Farm size (acres)	Asset wealth ('000 ksh)							
Top 50% of maize sales	2.1	15.4	806							
Rest of maize sellers	42.7	5.2	65							
Farm hhs not selling maize	55.2	3.3	49							
Source	Source: Tegemeo Institute / Egerton University rural household survey, 2007									

	Extreme concentration of marketed maize output in Kenya's small-scale sector, 2006/07											
	% of total sample	Farm size (acres)	Asset wealth ('000 ksh)	Maize sales ('000 ksh)								
Top 50% of maize sales	2.1	15.4	806	166								
Rest of maize sellers	42.7	5.2	65	14								
Farm hhs not selling maize	55.2	3.3	49	0								
Source	Source: Tegemeo Institute / Egerton University rural household survey, 2007											

Extreme concentration of marketed maize output in Kenya's small-scale sector, 2006/07

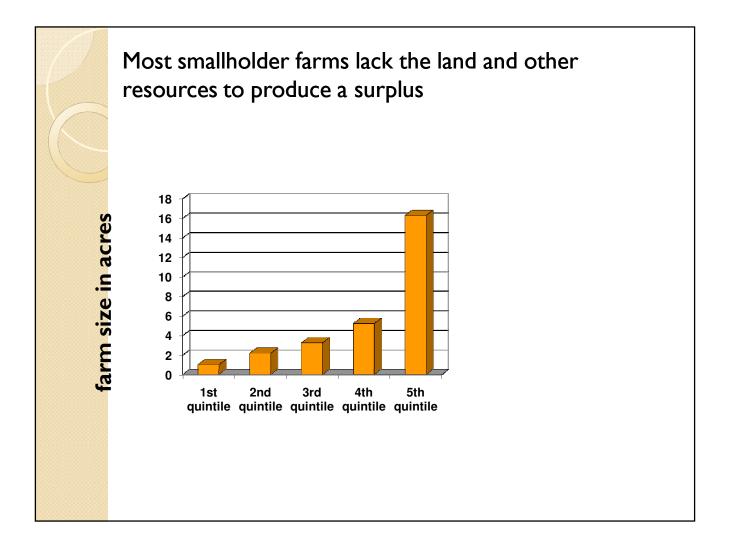
	% of total sample	Farm size (acres)	Asset wealth ('000 ksh)	Maize sales ('000 ksh)	Gross value total crop sales ('000 ksh)					
Top 50% of maize sales	2.1	15.4	806	166	213					
Rest of maize sellers	42.7	5.2	65	14	58					
Farm hhs not selling maize	55.2	3.3	49	0	40					
Source: Tegemeo Institute / Egerton University rural household survey, 2007										

Extreme concentration of marketed maize output in Kenya's small-scale sector, 2006/07

	% of total sample	Farm size (acres)	Asset wealth ('000 ksh)	Maize sales ('000 ksh)	Gross value total crop sales ('000 ksh)	Total income (crop+animal+off- farm,'000 Ksh)				
Top 50% of maize sales	2.1	15.4	806	166	213	584				
Rest of maize sellers	42.7	5.2	65	14	58	230				
Farm hhs not selling maize	55.2	3.3	49	0	40	166				
Source: Tegemeo Institute / Egerton University rural household survey, 2007										

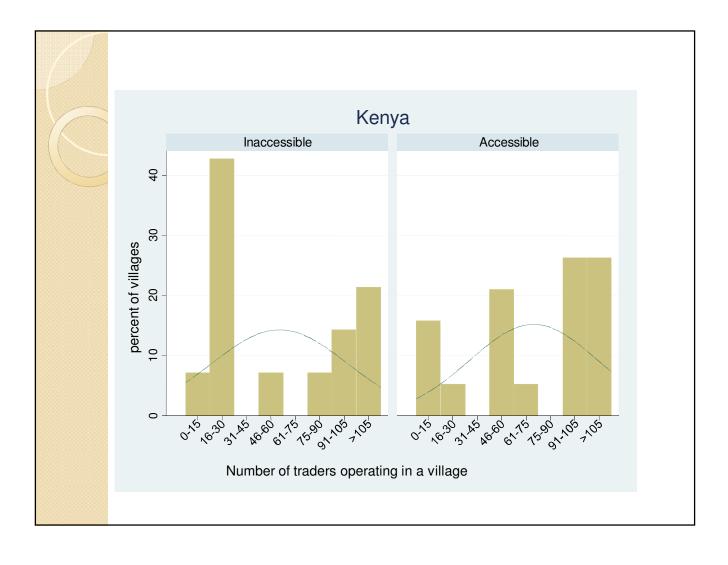
Extreme concentration of marketed maize output in Kenya's small-scale sector, 2006/07

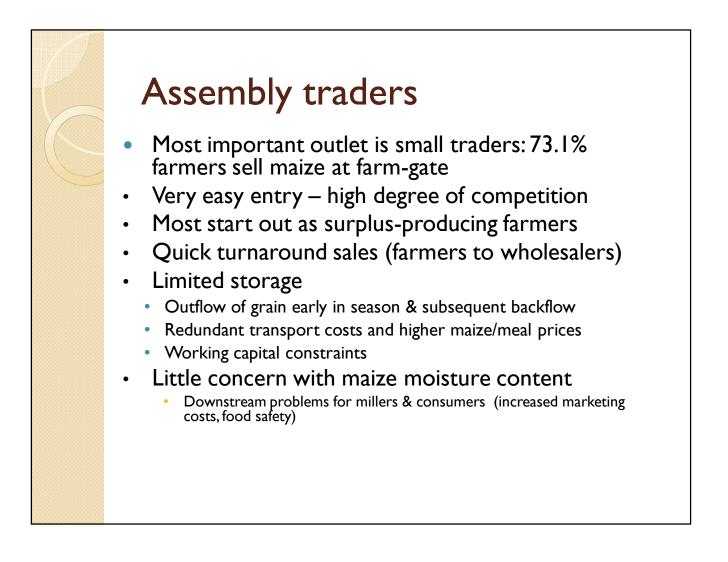
	% of total sample	Farm size (acres)	Asset wealth ('000 ksh)	Maize sales ('000 ksh)	Gross value total crop sales ('000 ksh)	Total income (crop+animal+off- farm,'000 Ksh)	% female headed			
Top 50% of maize sales	2.1	15.4	806	166	213	584	7%			
Rest of maize sellers	42.7	5.2	65	14	58	230	24%			
Farm hhs not selling maize	55.2	3.3	49	0	40	166	37%			
Source: Tegemeo Institute / Egerton University rural household survey, 2007										



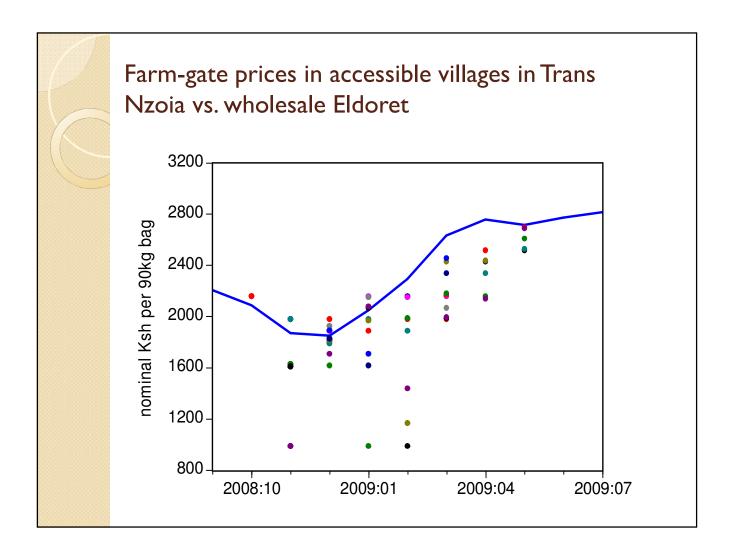


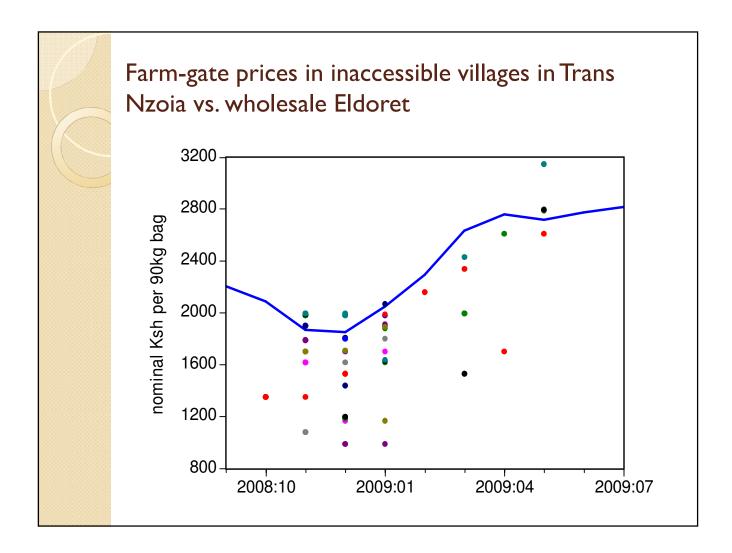
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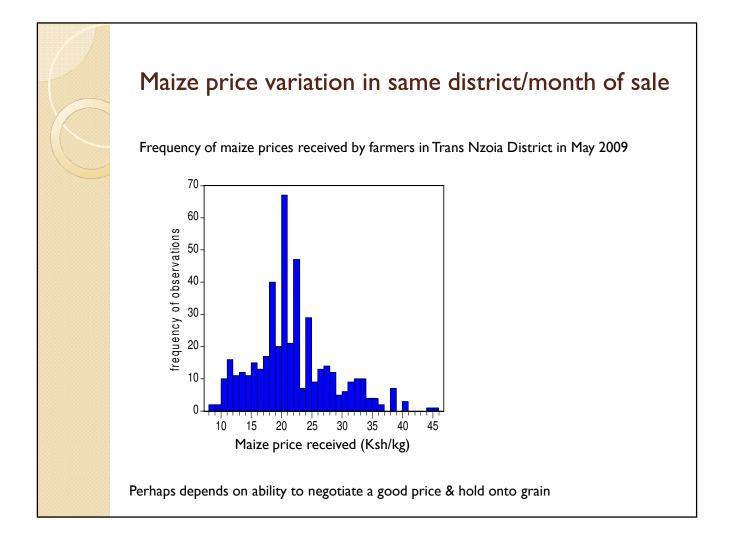


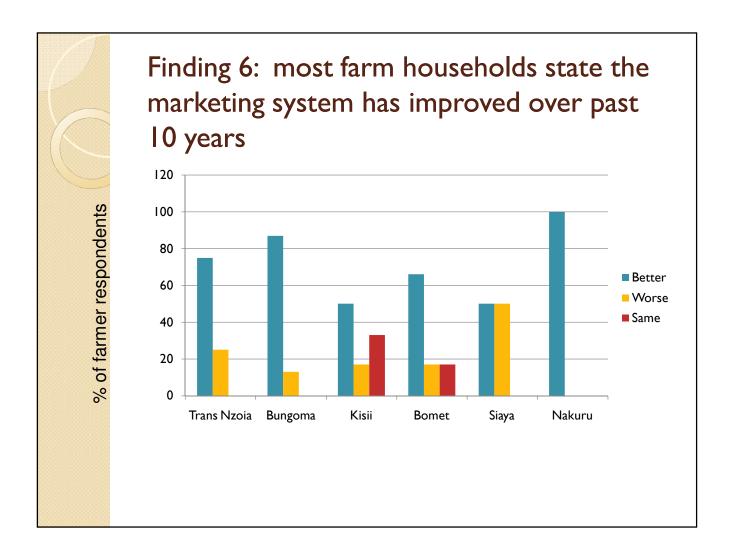








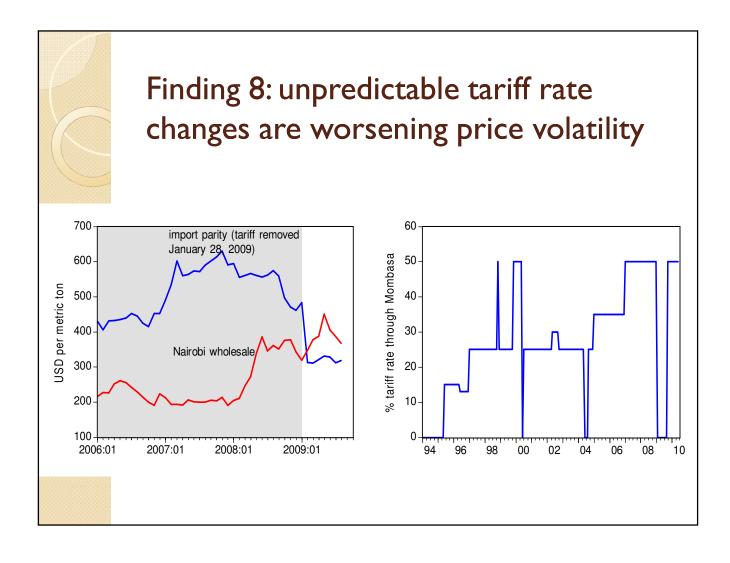




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Finding 7: relatively little farmer or trader storage

- Only 13% hhs store maize for more than 4 months for purposes of selling later in season
- 59% of assemblers don't store purchased grain
 Average stock stored for at least 4 months is 56.3%
- Depletion of maize in local markets early in the season with food security implications
- Reasons for limited storage
 - Working capital constraints
 - Seasonal price increases may not cover storage costs
 - NCPB's pan-seasonal pricing
 - Steps sometimes taken late in season to reduce maize prices, e.g., waiving import tariff
 - Wet maize in system increases traders' and millers' storage losses, aflatoxin problems

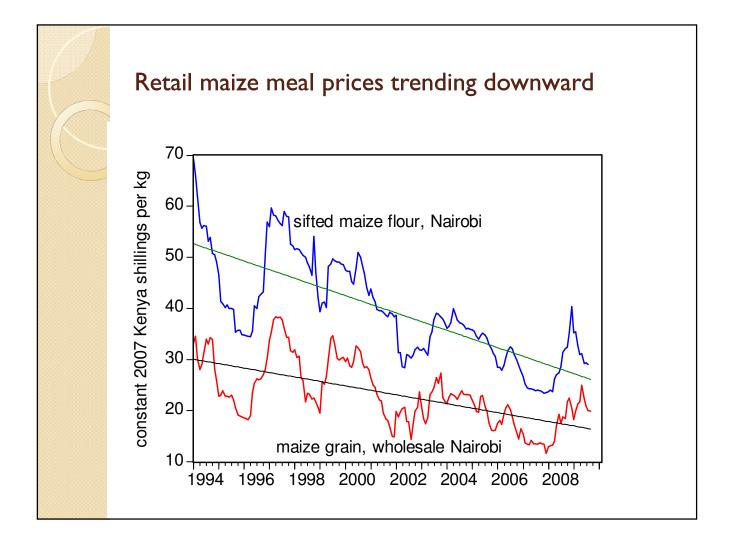


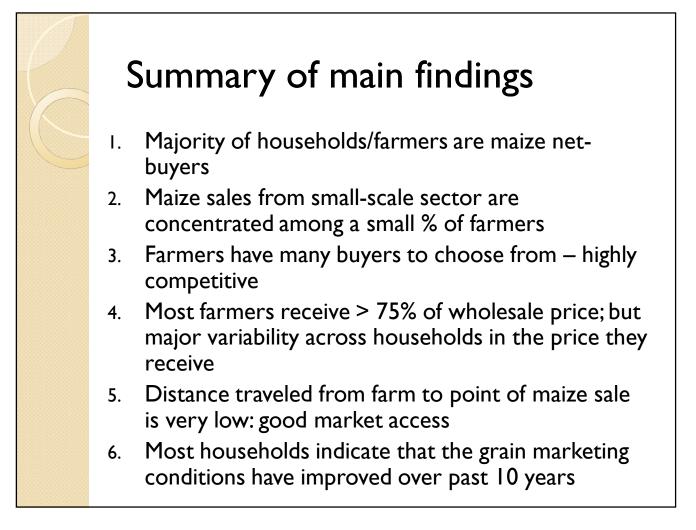






- Access to cheaper and more nutritious posho meal
- Reduced prices for sifted flour
- Good for urban consumers where maize is primary staple for low income groups (first three quintiles)
 - Kiosks, dukas, small shops are primary source of urban consumers' maize meal purchases
 - Supermarkets share very small except for wealthy







7. Apparent under-provision of seasonal storage

- Not due to inadequate facilities
- Rather due to high risks to storage
- Banks wary to lend for grain storage
- 8. Consumers vulnerable to high degree of price instability
 - Reduces incentives of farm households to diversify to higher-valued crops
 - Exacerbated by import tariff unpredictability



- 1. Rethink seriously about further land fragmentation
- 2. Improve maize productivity to enable a surplus
- Charge cess on grain transport once crack down on corruption at district borders/road blocks
- 4. Support milling industry to enforce maize grading, which will ultimately encourage farmers to pay greater attention to quality standards
- 5. Set transparent conditions for triggering change in import tariff rate

