

Public Extension Support to Urban Farming

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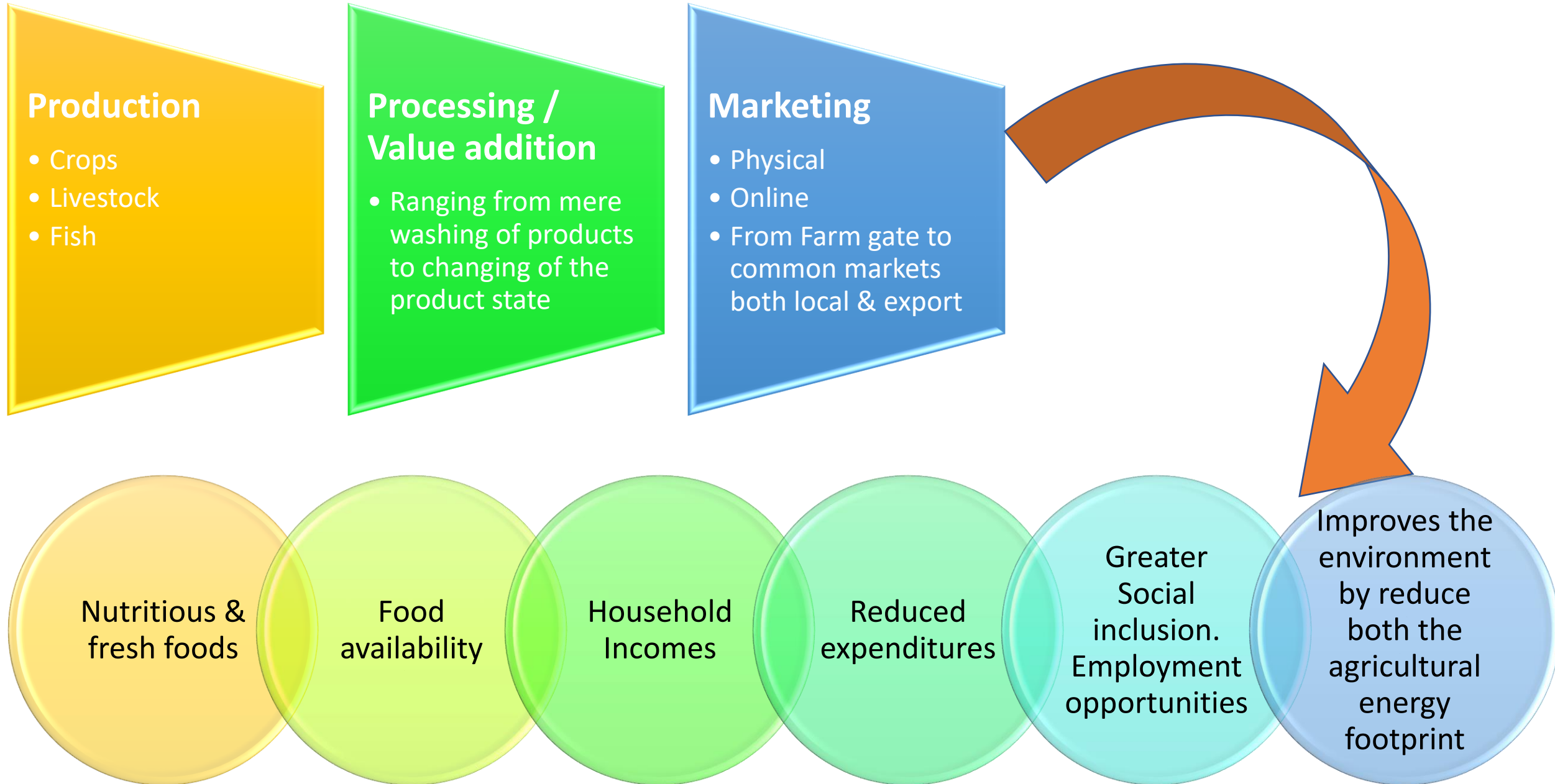
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Understanding Urban Farming / Urban Agriculture

According to the KCCA Urban Agricultural Ordinance 2006,

“urban agriculture” means the practice of growing crops, aromatic plants, herbs, spices and ornamentals; and the rearing of fish, poultry and livestock for food, income, environment management and medicine in and around the Cities, Towns & urban environments; and includes the processing and marketing of such products.

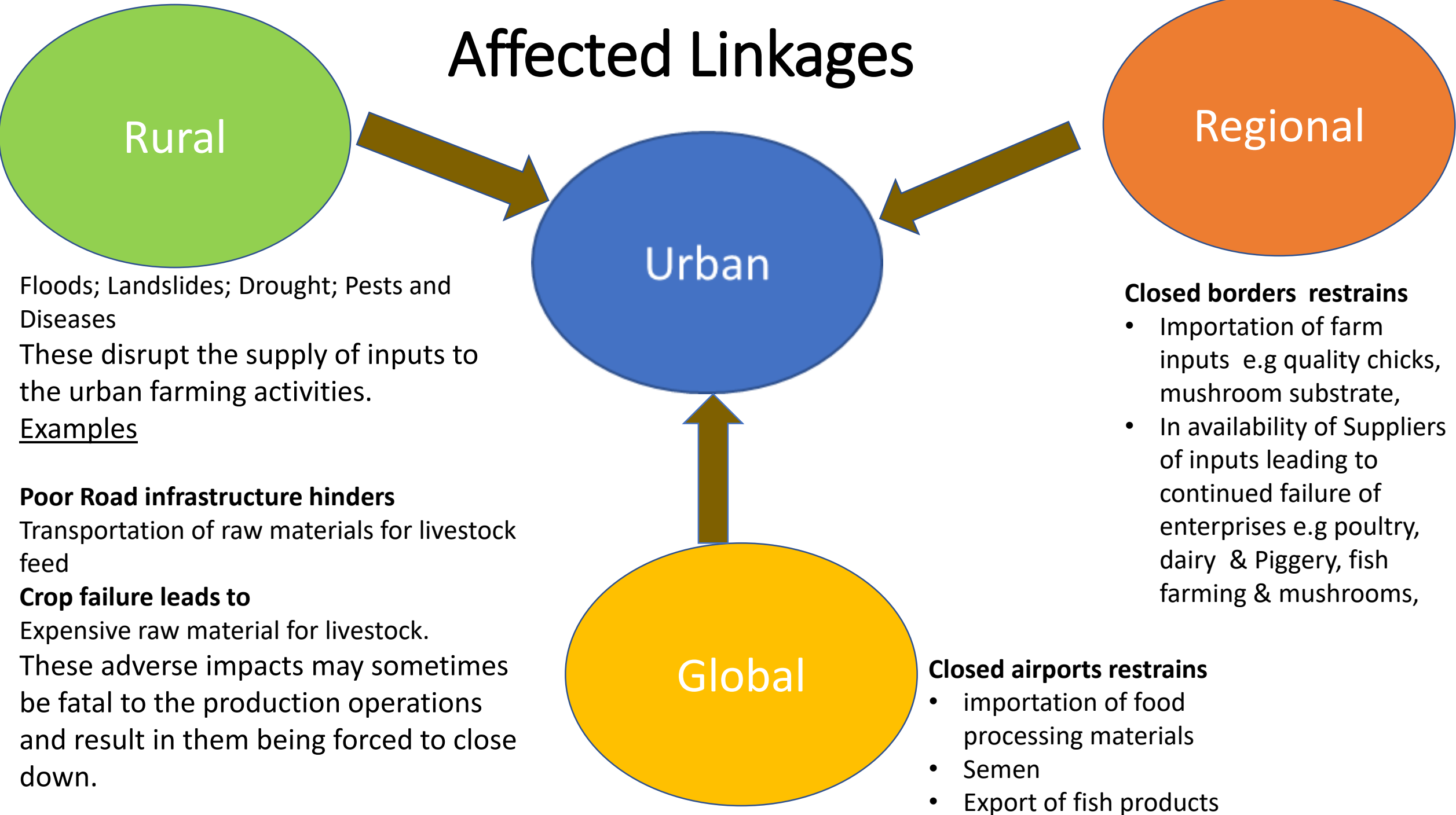
Urban Farming Operations & Outputs



Disruption and shocks of the natural calamities that have affected Urban farming operations

- What have been the disruption and shocks of the natural calamities?
- Important to note that some of the UF operations are greatly depended on inputs outside the urban centers.
- Therefore, any disruption in this supply, directly affects the UF operations
- Climate Change Natural hazards including;-
 - Floods: Rise lake levels,
 - Landslides: (destruction of arable land),
 - Drought (Inadequate water supply for crops & livestock)
 - Pests and Diseases (for both crops, livestock & human)
- Any kind of natural hazzards will inevitably disrupt the country's, supply of inputs for urban agriculture (*Region & global demand & supply chains, will either be Halted / paused or postponed deliveries, closed ports & canceled cargo flights*).
- And this, ultimately impacts the consumer as well. Recovery can be time-consuming, expensive.

Affected Linkages



KCCA's Approach

Extension staff at all 5 Divisions

- Agriculture and Agribusiness
- Animal Production
- Fisheries and Aquaculture

Establishment of Agricultural Resource Centre at Kyanja and model farmers

- Farmer training
- Demonstration of Urban farming Technologies
- Production of farm inputs (seedlings , piglets , brooded chicks)
- Model farmers in communities attach 30 farmers per model home)

Innovative methods and policy

- Use of farmer forums in parishes for community mobilization and sensitization
- Deployment of 45 I- serve Graduate volunteers for follow up farm visits and data collection
- Urban farming ordinances in place to guide and regulate practice

Different coping and thriving strategies adopted

What have been the different coping and thriving strategies adopted by you to ensure that you perform?

Hazzard	Impact	Coping strategy
Pests & Diseases	<ul style="list-style-type: none"> Loss of livestock (Poultry & pigs) Loss of Crops 	<ul style="list-style-type: none"> Quarantine measures at farmers' production sites, and encourage hygiene measure at the farms Developed models for appropriation production structures Empowering & Encouraging farmers to undertake and adhere to recommended vaccination schedules Introducing new production technologies through Model farmers.
Drought	<ul style="list-style-type: none"> Insufficient water for production 	<ul style="list-style-type: none"> Promoting micro-gardens that use less water & waste water Using water from NWSC (<i>efficient but not Sustainable</i>) <i>Use of simple irrigation systems (Pitcher)</i>
	<ul style="list-style-type: none"> High cost of water for production 	<ul style="list-style-type: none"> Promotion of rain water harvesting Using efficient production systems (<i>e.g automatic drinkers, sprayers & foggers</i>)
Cross cutting strategies		Online Extension service provisions- KCCA piloting a system
		Supporting the "Backyard Farmers' cooperative" which empowers farmers with inputs, soft loans and market access, group marketing . All City Divisions have producer cooperatives

New opportunities manifesting out of the disruption and shocks.

What have been the new opportunities manifesting out of the disruption and shocks of the natural calamities?

- Environmental Scientists have developed a Water Saving Irrigation Systems (WaSIS).
- Availability of Water recycling Technologies e.g. Aquaponics & Hydroponics, to promote commercial micro-gardens
- Availability of Disease resistant varieties on market
- Existence of Kyanja ARC, which supplies quality inputs (*assorted seedlings, kroilers, piglets, both liquid & solid manure*),
- Availability of Govt funded programme which target Urban farmers
K-Smart App.

Recommendations for priority actions within the new normal.

What are the recommendations for priority changes within the new normal?.

- Set up model farmers in Each Division of Kampala.
- Create a Data base for Agricultural & Agribusiness Service providers, for ease of reference to farmers
- Setting up U-Tube / online channels for continued information dissemination of urban Agricultural Technologies
- Continuous sensitization