**Questionnaire-Farmer**

My name is Samuel Njuguna Muiruri, a fourth year student at Maseno University doing GIS with IT. Am doing a study on suitability analysis for potato post-harvest supply chain entities (stores, processing plants and markets) in Nyandarua County as partial fulfillment for the award of my degree. Please help me by answering these questions. The data you fill will be used for academic purpose only and will be treated with utmost confidentiality.

Farmers name (optional):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Respondent’s gender**

* Male
* Female

1. **How long have you been farming potatoes**

* 1-2 years
* 2-4 years
* 5 years and above

1. **What are the main challenges in potato production?**

* Market demand
* Prices
* Extended bags
* Mechanization/machinery in production and harvest
* Diseases
* Inputs (fertilizers, pesticides)
* Certified seed
* Irrigation
* Storage
* Losses
* Others

1. **Do you experience substantial losses in the production, harvesting and sales of your potatoes? If yes, where does this mostly occur?**

 During production

 During harvesting

 During storage

 During sales

 No

1. **What was your total portion of land under potatoes harvested last season?** \_\_\_\_\_\_acres
2. **What was the total quantity harvested from the largest portion of land?**

**Quantity Units in bags**

Total quantity harvested

Potatoes from plot sold

Potatoes from plot stored as seed

1. **How do you protect the harvested potatoes from direct sun**?

 Cover the tubers with leaves

 Put them in the shade

 Put them in the bag

 Move them into the store immediately

 No

**8. Do you harvest potatoes when it is raining?** 0 = No 1 = Yes

a. **If yes,** what is the estimated damage caused by harvesting when it is wet?

\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_ kg per ¼ acre

**Unit codes** 1. 17 kg bucket 2. Crate (50 kg) 3.bags (110kg)

**9. How long do you store your harvest?**

 do not store

 1-2 weeks

 2-4 weeks

 over 4 weeks

**10 Why do you store them?**

 1. To wait for better prices

 2. Seed potatoes

 3. Lack of markets

**11. What quantity of harvested potatoes from the portion of land was stored?**

\_\_\_\_\_\_\_\_\_bags

**12. Do you experience any losses/ damages due to storage?** 0 = No 1 = Yes

**13. If yes, what causes the losses/damages?**

 Rotting

 Pests and diseases

 sprouting

**14. What quantity of potatoes are lost/damaged due to storage?**

i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ii. In weight\_\_\_\_\_\_\_\_\_\_\_\_kgs

**Unit codes** 1. 17 kg bucket 2. Crate (50 kg) 3. Other (specify)\_\_\_\_\_\_\_\_\_\_\_

**15. Do you sort and grade your potatoes?** 0 = No 1 = Yes

a. If yes, at what stage do you grade?

 During harvest

 Just before storing

 When selling

 (Other specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**17. What are the main means of transport?**

 Donkey

 Bicycle

 Motorcycle

 Tractor

 Pick-up/car

 Lorry

**18. Who packs the bags for selling?**

 1. Farmer

 2. Brokers

 3. Trader

 4. Employees/workers

**To who do** **you mostly sell?**

 1. Local trader

 2. Wholesaler

 3. Consumer

 4. Processor

 5. Brokers

**19. What are the current, lowest and highest prices of the type of potato bags you have**

**sold in the recent past to local traders?**

Type of bag recently sold Current price (KES)

Lowest price and month Price (KES) Month

Highest price and month Price (KES) Month