



REPUBLIC OF UGANDA

MINISTRY OF AGRICULTURE, ANIMAL INDUSTRY AND FISHERIES  
DEPARTMENT OF CROP INSPECTION AND CERTIFICATION

## PROTOCOL ON SAMPLING OF CAPSICUMS FOR PESTICIDES RESIDUE TESTING

### 1. Nature of sample to be taken from the capsicum field garden:

Whole units of the capsicum fruit.

### 2. Sampling points per capsicum field garden:

- The field shall be partitioned into acres. Each acre shall be partitioned into four equal parts.
- Each partitioned part shall be a sampling point. There shall be a total of four sampling points per acre. This also applies to the field gardens less than one acre. Each sampling point shall have a sub sample.
- Sampling shall be taken from all the sampling points per capsicum field garden to get a representative sample of the entire capsicum field garden.
- The samples from the sampling points (sub samples) shall all be combined into one large stainless steel container and mixed well to form a composite sample. Each capsicum field garden shall have one composite sample for the laboratory.

### 3. Collection of samples per capsicum field garden:

- The minimum number of plants to be sampled per sampling point is ten (10)
- The plants shall be randomly selected in a zigzag pattern.
- There shall be a minimum of a total of forty (40) plants sampled per acre.
- Five (5) fruits per plant shall be sampled. The sampling of the fruits per plant shall be from the top, middle and bottom parts of each plant.
- The sub samples per sampling point shall be combined and mixed well to form the composite sample for the laboratory.

f. Chemical resistant gloves (Nitrile) shall be worn during the collection of the samples.

#### 4. Minimum size of laboratory sample

The minimum size required for laboratory samples is one kilogram.

## 5. Sampling record

- a. The Sampling Officer must record the name and variety of the crop, the owner of the garden and traceability code, the date, time, size of the sample and location of sampling (Village, Parish, Sub county and District), GPS coordinates. The record should be attached on the sampling bag and also written in your record note book.
- b. Video recording of the sampling shall be taken and uploaded onto the Crop Inspection and Certification online system and also submitted to the Laboratory.
- c. The sampling record shall be written on the sample bag before sampling. All labeling should be complete before placing the sample into the bag.
- d. Permanent marker pens with water insoluble, and solvent free ink shall be used.

## 6. Packaging and transportation of the laboratory sample

- a. The laboratory sample shall be packaged in a clean, air tight sterile bag for microbiology which provides secure protection from contamination, damage, and leakage (pre labeled bags, zip lock bags).
- b. The sample bag shall be sealed and securely labeled. The sample record shall either be written directly on the sample bag or attached using water proof stickers.
- c. The sample bag containing the laboratory sample shall be placed in the cool boxes (with ice packs). Fresh samples shall be kept cool.
- d. Contamination and deterioration of samples shall be prevented at all stages because they may affect the analytical results.
- e. The sample must be delivered to the laboratory as soon as sampling is complete. Spoilage in transit must be avoided.

~~spillage in transit may be avoided.~~

Details

- Name of plant
- Name of owner of plant
- Name of gardener
- Private or public
- Date and time
- Size of sample
- Location of garden
- GPS
- Sample officer

~~to sample~~

~~to bag~~

~~to log~~

~~to store~~

~~to file~~

~~to archive~~

~~at border crossing point~~

~~at border storehouse in time~~

App. for Clearance for land