

Workshop

January 30, 2016-central agricultural research institute (CARI) Bong
County, Liberia
Saturday January 30, 2016

Topic: Three methods of planting cassava cuttings

Breakfast -----8:00AM

Introduction of participants -----8:30AM

Name, Village, How Many Years Growing Cassava

Ice breaker: Group Juggling-----8:40-8:50AM

Introduction: Why cassava? -----8:50-9:20AM

- ✓ In Liberia, cassava is the second stable crop after rice
- ✓ Cassava is an annual tropical tuber crop, easily grown under nominal supervision and can be used as:

-Human food

-Animal feed

- ✓ Cassava can be grown all year round in Liberia
- ✓ Cassava can be grown by small-scale farmers because of its acceptance of poor soil conditions.
- ✓ Cassava remains in the soil for several months without serious deterioration.
- ✓ Cassava leaves are source of protein and can be used for animal and human consumption.

☐ Questions and answers-----9:30-10AM

- ✓ What are the uses of cassava?
- ✓ What are the benefits of producing cassava?
- ✓ How many varieties of cassava do you know and which one is high yielding?

☐ Growing conditions -----10-10:30AM

- ✓ Cassava should be planted on sandy loam soil
- ✓ Cassava should be planted one cutting per hill
- ✓ Cassava cuttings should be planted using the normal distance of 1m²
- ✓ Cassava should be weeded two to three times before harvest depending on the variety

☐ Growing cassava-----10:30-11:30AM

• **Method one**

- ✓ Mound

Mound is an artificial heaped pile of earth or sand.

Cassava cultivation on mounds is common in West Africa. Farmers gather the soil into heaps. Mounds range from 30 to 60 cm high



Cassava growing on mound

➤ **Advantages**

- Cassava is easily harvested
- Cassava root will not break during harvest because of the loose soil
- Cassava roots penetrate freely in the soil and enabling the plant to get bigger

➤ **Disadvantages**

- Time consuming
- Labor intensive
- Costly

Cassava growing on mound

- **Method two**

- ✓ **Ridge**

A ridge is a horizontal line formed by upper edges of two sloping heaps of soil.

- **Advantages**

- Cassava is easily harvested
- Cassava will not break during harvest because of the loose soil
- Cassava roots penetrate freely in the soil and the plant gets bigger

- **Disadvantages**

- Time consuming
- Labor intensive
- Costly



Cassava growing on ridge

- **Method three**

- ✓ Flat bed

Entirely flat bed, a level bed body with no sides or heap. Planting on flat soil, farmers insert cuttings directly into the land.



Cassava planted on flatbed

➤ **Advantages**

- Requires less labor
- Not as time consuming
- Less expensive

Disadvantages

- Cassava is not easily harvested

-Cassava will break during harvest because the soil is not loose

-Cassava roots cannot penetrate freely in the soil

Launch -----1:00-1:30PM

Questions and answers-----2-2:30PM

- ✓ How do I get cassava planting materials?
- ✓ What is the spacing?
- ✓ What are the best management practices?
- ✓ Why use ridge and mound instead of flat?
- ✓ How to prepare the ridge and mound?
- ✓ How many cuttings of cassava should be planted per hill? (mound, ridge or flat bed)

☐ Field demonstration-----3:30-4:30PM

❑ Workshop Review

Pick-A-Color Review

RED: Best thing that you experienced today

GREEN: Something new you learned today

ORANGE: Something that surprised you today

❑ Expected outcomes

✓ Participants will be able to:

-Prepare mound, ridges and flat bed

-Plant on mound, ridges and flat bed

-State the advantages and disadvantages of the three planting methods