

Climate Smart Banana Production in Uganda



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FACTS:

Changes in climate have affected the soil - water requirements for East Africa Highland Banana (EAHB) in East African Community (EAC).

Banana productivity is heavily affected by the effect of long droughts.

Food insecurity, famine, no water for human and livestock, loss of crops and livestock, reduced income.



A healthy improved banana plant from a healthy field.



A banana bunch from a drought affected field.

Figure 1: The effect of drought on banana plantations. This also affects the size of the banana bunch.

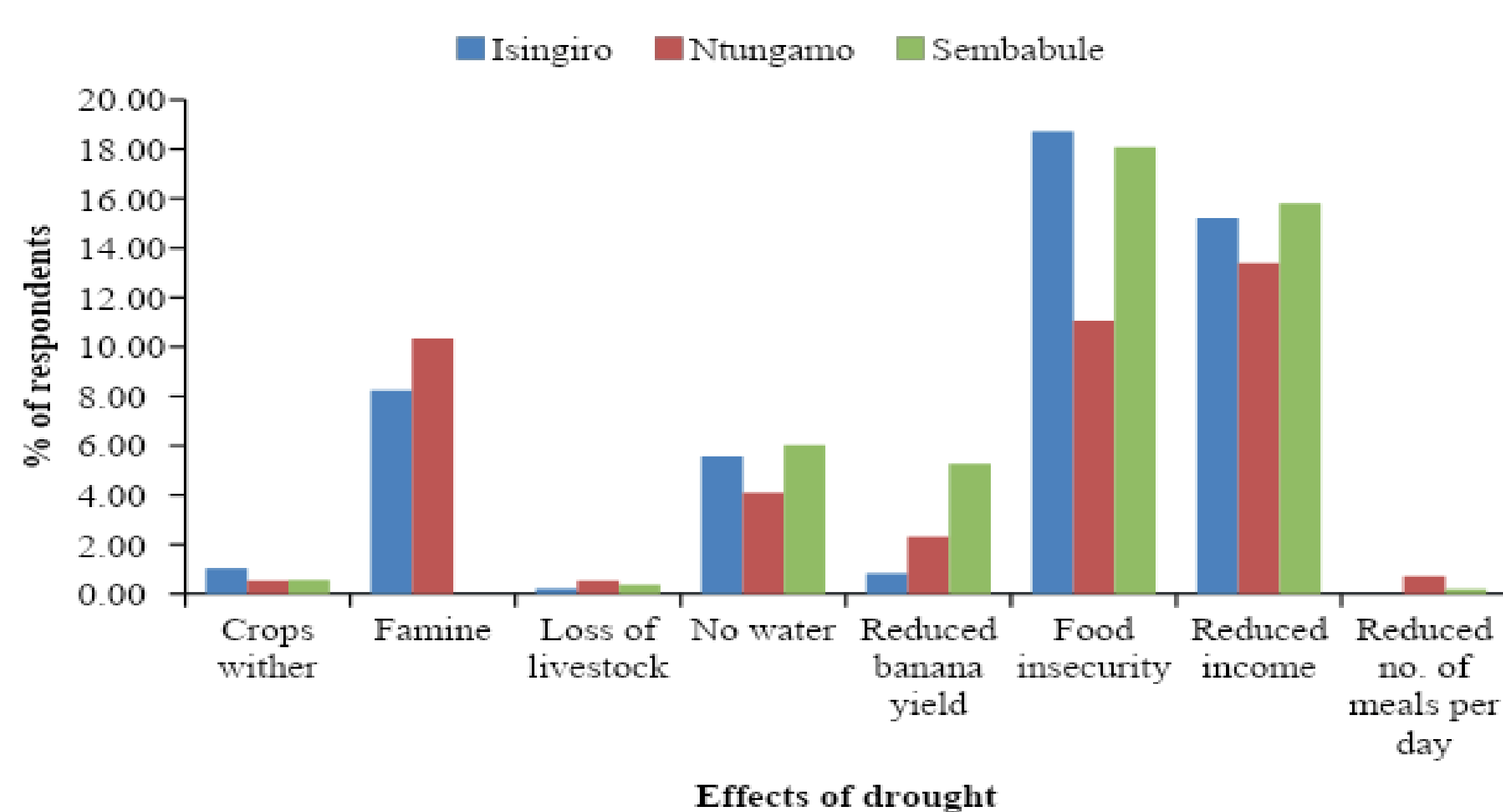


Figure 2: E. Effects of drought on banana farming communities along the cattle corridor of Uganda.

Intervention in Drought Prone areas.

Phenotyping the banana biodiversity to identify climate smart varieties with optimal market potential in Africa.

Where and What?

- 40 farmers in Drought prone areas of Ntungamo and Sembabule in the cattle corridor.
- 4 banana hybrids under evaluation for drought tolerance include Kabana 6H, NAROBan 3, NAROBan 4 & NAROBan 5
- **Known advantages of the hybrids:** High yields >50ton/ha/yr, resistance to black sigatoka, tolerance to major pests and disease.

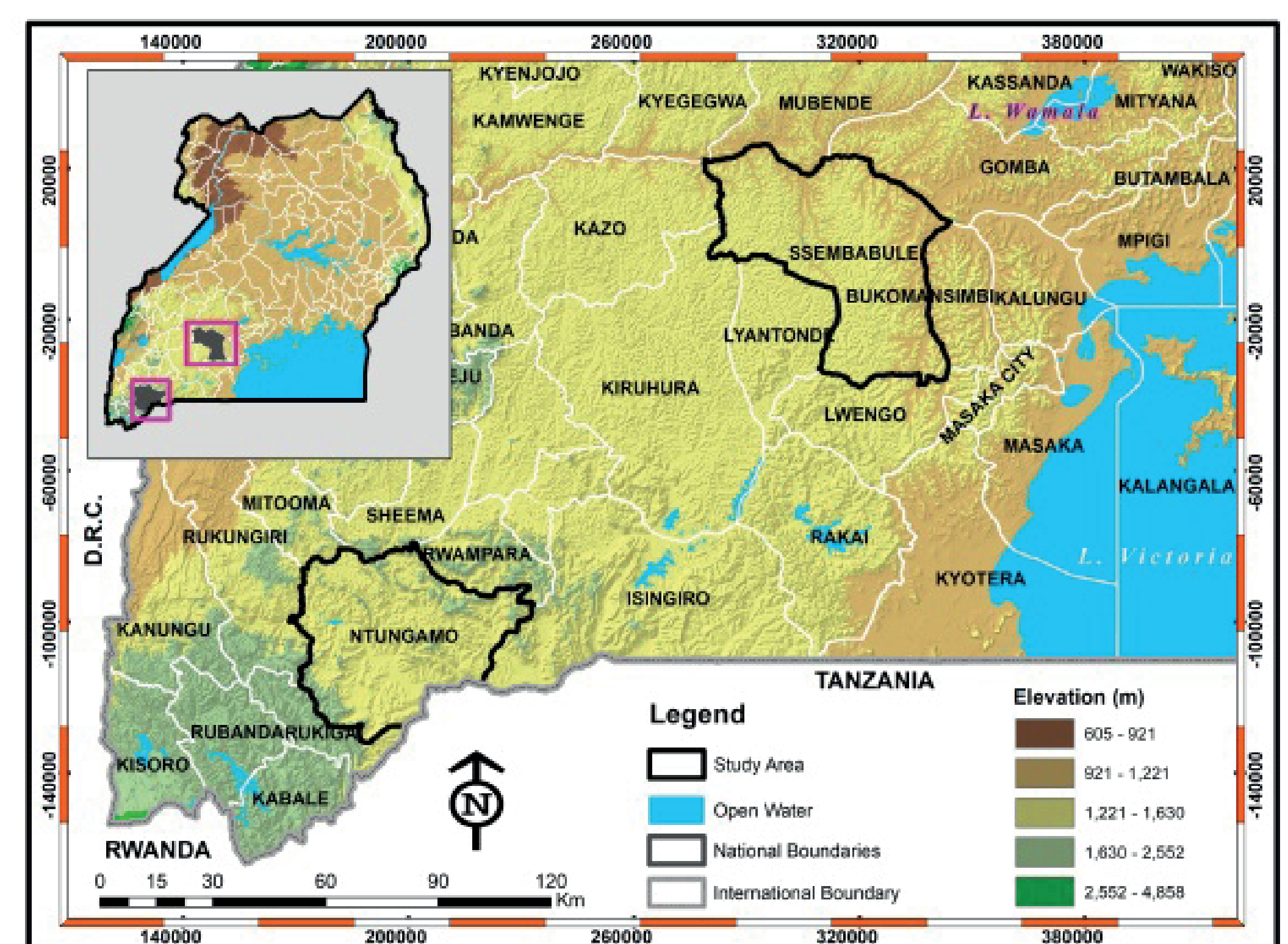


Figure 3: Drought prone areas in Uganda for testing banana hybrids.

How will farmers benefit?

Access drought tolerant banana cultivars suitable for dry areas in Uganda.

Supported by:



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