

Matured cassava in a flat land scape ready for harvest (Betty Adoch)

## CROP ROTATION OF CASSAVA AND SOY BEAN (

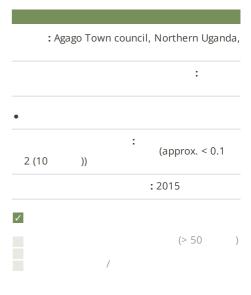
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The improved variety of cassava known as Nafe14 is grown on a gentle slope. Animal traction was used to plough 43 acres of land. The land was initially used for growing soya beans. The cassava garden has some trenches dug across so to control flooding and soil erosion. By this a high moisture content is retained in the soil. This cassava species is drought resistant.

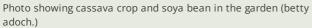
Crop rotation is the growing of different crops in the same piece of land year after year. This land user grows Cassava (Manihota esculenta) and Soy beans (Glycine max). in the field. The improved cassava variety (Nafe 14) was planted in 2015 on 43 acres during rainy season. The planting hole was dug 6 inches (square) in length and 6 to 10 inches depth, spaced at one meter distance.

The cassava stem is cut at 6 inch length and the planting may be done immediately as the holes are dug. If the area has termites then it should rain into the planting hole and later should stay for two days after which planting should be done. This is because the rain should seal the termites traces in order to protect the cassava stem from being destroyed by termites. Cassava growing protects the soil from erosion, is a source of income and protects land from wrangles.

Weeding is constantly done to control weed and to promote high yields.









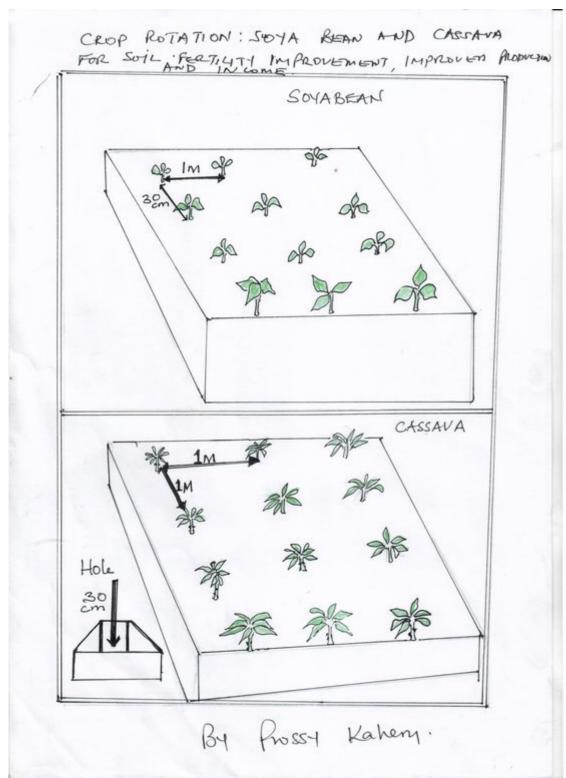
(Betty Adoch)

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: Betty Adoch.

The improved cassava variety (Nafe 14) was planted in 2015 on 43 acres during rainy season. The planting hole was dug 6 inches (square) in length and 6 to 10 inches depth, spaced at one meter distance.

- 1. Acquiring cassava stems from Operation Wealth Creation ( / : dry season)
- 2. Clearing the land by tractor ( / : onset of rainy season)
- 3. Planting using hired labour ( / : rainy season)

					%
			(UGX)	(UGX)	
	•				
Hired labour	acres	43,0	48000,0	2064000,0	100,0
Tractor for ploughing	hours	48,0	20000,0	960000,0	100,0
Ox-plough	hours	48,0	20000,0	960000,0	100,0
Axes	piece	10,0	7000,0	70000,0	100,0
Hoes	piece	20,0	12000,0	240000,0	100,0
Cassava cuttings	acres	43,0	20000,0	860000,0	100,0

1. Weeding ( / : wet season)
2. Fire line ( / : dry season)

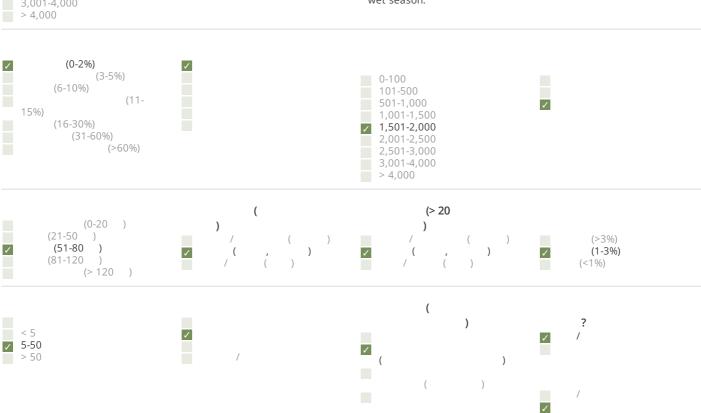
					%
			(UGX)	(UGX)	
Weeding	acre	43,0	2500,0	107500,0	100,0
Hoes	piece	60,0	12000,0	720000,0	100,0
Pangas	piece	60,0	7000,0	420000,0	100,0

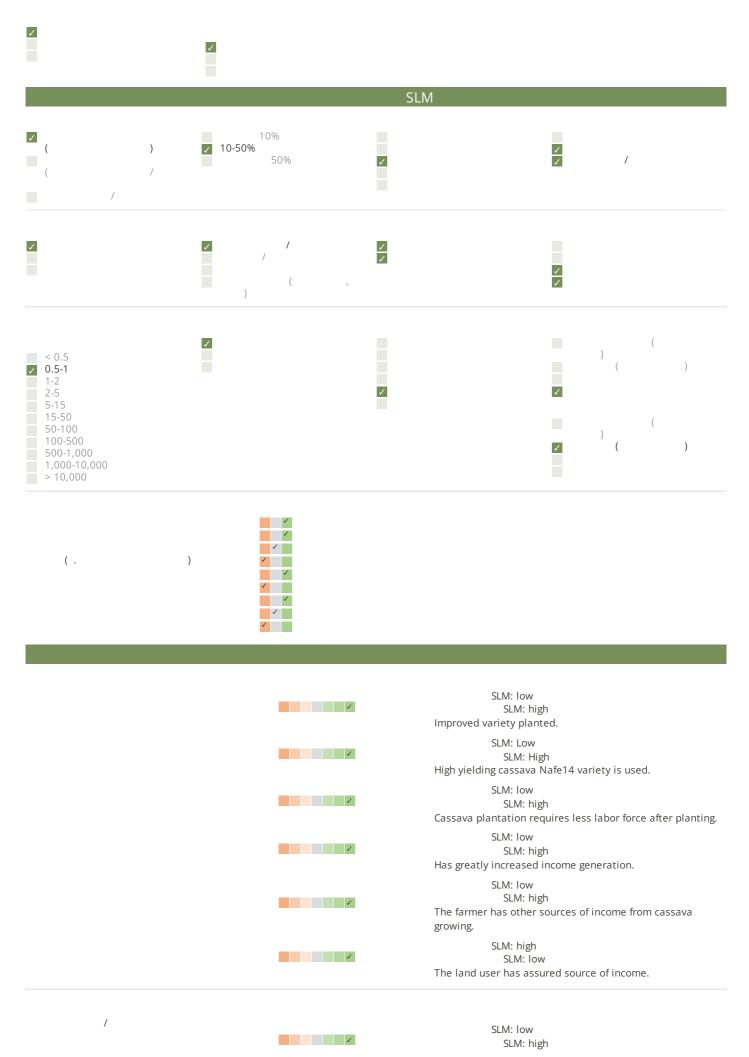


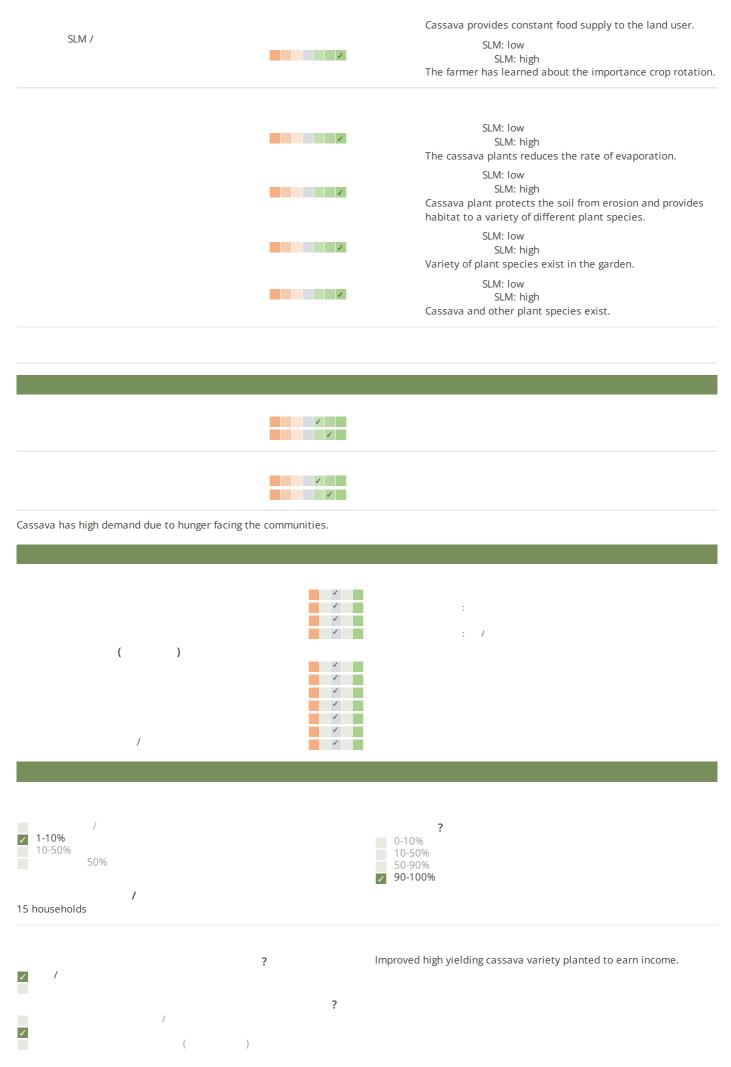
950.0 Rainfall is moderate and unreliable during wet season in the months of April, May, June, July, August, September and October. Whereas November, December, January, Feburary and March it is dry season and there is little or no rainfall at all.

Kitgum Weather Station

Savanna climate where rainfall is moderate and unreliable during wet season.







: Very good at providing income after selling cassava and soya bean

Very easy to replicate

:

 Source of employment for both small, medium and large scale farmers. / / :

- Invites thieves during hunger period Tight security in the garden
- The variety take long to mature
- Cassava is prone to disease Spraying with herbicide

/ / :

Expensive to establish and maintain the garden Employing low costs labour

**Editors** 

betty adoch JOY TUKAHIRWA Udo Höggel

Kamugisha Rick Nelson

:31 2017 :10 2022

Levi Olal -

https://qcat.wocat.net/km/wocat/technologies/view/technologies\_2699/

SLM

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- Field stability of cassava, maize, soya bean and cowpea intercrops DAPAAH, H K; ASAFU-AGYEI, J N; ENNIN, S A; YAMOAH, C. The Journal of Agricultural Science; Cambridge Vol. 140, Iss. 1, (Feb 2003): 73-82.: https://www.proquest.com/docview/203707559

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