

DESCRIPTOR FOR FARMERS' KNOWLEDGE ON BIG GACURI BEAN

1 IDENTIFIERS
FIELD WORK DATE 2019/03/18
FIELD WORK ACTIVITY- FOCUSED GROUP DISCUSSION
NAME OF LOCAL INFORMATION PROVIDER KIKOPEY WAKULIMA S.H.G
AGE 35-80 YEARS
MAIN OCCUPATION- FARMER
ADDRESS KIAMOLO
ETHNIC GROUP AGIKUYU
NAME OF PERSON CONDUCTING THE INTERVIEW LYDIAH NYAMBURA-SEED SAVERS NETWORK
2 PLANT IDENTIFICATION
GENUS <i>Phaseolus</i> SPECIES <i>vulgaris</i>
COMMON NAME OF CROP OR WILD SPECIES BIG GACURI BEAN
SPECIES RICHNESS -
3 SITE (ECOGEOGRAPHICAL CONTEXT)
COUNTRY KENYA COUNTY NAKURU SUBCOUNTY GILGIL WARD GILGIL VILLAGE KIAMOLO
LATITUDE E36° 17.245' LONGITUDE S0° 29.395' ELEVATION 6290 Ft.
LOCATION OF FIELDWORK SITE
NAME OF THE LOCATION OR NEAREST PLACE KIKOPEY
DISTANCE TO SITE 10KM FROM SEED SAVERS NETWORK OFFICES
TYPE OF DISTANCE ROAD DISTANCE

DIRECTION FROM THE NEAREST PLACES-
LAND ELEMENT VALLEY FLOOR
4 RELATIVE ABUNDANCE
IN CULTIVATED AREAS-
TOTAL AREA OF FARM LAND USED IN HA -
IN UNCULTIVATED AREAS-
NUMBER OF COLLECTING SITES/NICHES-
ESTIMATED AREA OF EACH COLLECTING SITE-FREQUENCY OF COLLECTION (if uncultivated) -
REASON FOR FREQUENCY OF COLLECTION -



Big Gacuri bean

Plant further identification	Local vernacular names		Big Gacuri Bean	
	Language(s) of local vernacular name		kikuyu	
	Local name meaning		Self-threshing(pods break)	
	Biological status		Traditional cultivar	
Relative abundance	Area cultivated for each cultivar		-	
	Number of plants		-	
	Total uncultivated area		-	
	Relative abundance of the plant (if uncultivated)		Rare	
TRADITIONAL KNOWLEDGE ABOUT PLANT	Main reasons for using the cultivar / landrace or wild form	Food security		
		Parts of the plant used		Leaf; seed
		Plant uses		Food (cooked)
	Distinguishing traits /characteristics used by farmers	Parts of the plant used		Leaf; seed
		Traits attribute		Size
		Agronomic traits		Others (pods are thick)
		Abiotic stresses		Drought; high temperature; water logging; soil humidity
		Biotic stresses	diseases	-
			Pests	Aphids
			Other biotic stresses	-
		Quality traits related to the food uses	Organoleptic qualities	Taste(sweet)
			Nutritional qualities	High protein levels makes people strong
			Other quality traits	Cooks quickly and its very good in Githeri
		Market traits		Easy to transport; shelf life

	Social aspects	Division of labor by gender	Labor	Sowing; harvesting; conservation; processing;
			Gender	Predominantly female
	Socio-economic characteristics	Seed supply	Exchange with relatives	
		Main use of plant	Home consumption	
		Main form of market outlet	-	

Collectors note

1. Leaves are different from other types of Gacuri in that they are big
2. Leaves are not soft so not edible
3. Pods breaks but the seeds do not come out they remain intact inside
4. Leaves looks like kunde leaves when mature
5. It's hard to remove seeds from pods when mature
6. Where it is planted it makes the soil fertile due to leaves that fall improving the soil
7. It can climb till it creates a fence which does not dry up all season
8. Its pods are thick and short with 3-4 seeds
9. It's rarely affected by Aphids
10. It's sweet unlike other Gacuri which are bitter
11. It's good in Githeri and doesn't require much inputs like chemical fertilizer in production