

DESCRIPTOR FOR FARMERS' KNOWLEDGE ON NYAKAIRO 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 TO 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 Nyakairo bean
SPECIES RICHNESS-
3 SITE (ECOGEOGRAPHICAL CONTEXT)
COUNTRY KENYA COUNTY NAKURU SUBCOUNTY GILGIL WARD GILGIL VILLAGE KIAMOLO
LATITUDE E36° 17.809' LONGITUDE S0° 30.356 ELEVATION 6297 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 -



Nyakairo bean

Name of the cultivar/landrace/botanical variety or wild form				
Plant further identification	Local vernacular names	Nyakairo bean		
	Language(s) of local vernacular name	kikuyu		
	Local name meaning	Black in color		
	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	Leaves ; seed;	
		Plant uses	Food (cooked)	
	Distinguishing traits /characteristics used by farmers	Parts of the plant used	Seed; flower; leaf	
		Traits attribute	color	
		Agronomic traits	Yield	
		Abiotic stresses	Drought; high temperature; water logging	
		Biotic stresses	diseases	Resistance to diseases
			Pests	-
			Other biotic stresses	-
		Quality traits related to the food uses	Organoleptic qualities	Taste(sweet)
			Nutritional qualities	Makes people stronger due to high protein levels
			Other quality traits	Has no gas when cooked
Market traits	Shelf life			

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

Collectors note

1. It's always in other beans (stubborn beans)
2. Its high yielding
3. Climbs in other crops
4. It's not affected by storage pest
5. Grows quickly
6. Pod shatters when mature (explodes)
7. Its resistance to diseases and tolerant to high temperature and drought
8. Its stays in the garden all reasons
9. Leaves are consumed when there are no other vegetables
10. It looks like dolicos when cooked because of its black color
11. It is easily powdered thus great in mukimo
12. Leaves are thin
13. Pods are thin
14. Stem is black in color
15. Grows and Matures early than other beans
16. It does well also in flooded area
17. Stem can dry below and the part on top continues to grow
18. Makes black soup and food and thus deterred by people due to its black color
19. It can grow very tall climbs a big distance