# Igambe Ngombe

THARAKA NITHI COUNTY, KENYA



# **Nutritious Food Portfolios**

for targeting year-round food harvest and nutrient gaps

The food tree and crop portfolios are location-specific recommendations for cultivating a greater diversity of foods that could address month-on-month food harvest and micronutrient gaps in local households' diets.

The identification of location-specific portfolios involves the following:

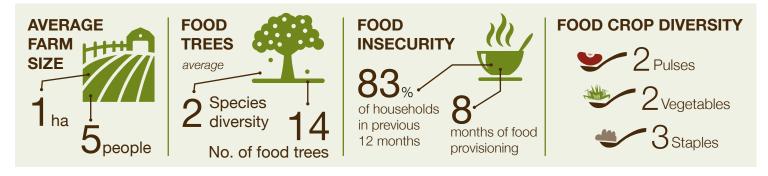
- · Determining food production diversity and seasonality.
- · Mapping harvest months of foods against periods of food insecurity.
- · Capturing individual-level food consumption data, to identify dietary gaps.
- As well as filling food harvest gaps, addressing nutrient gaps by matching prioritized foods with food composition data.

The portfolios provide an example of how agriculture may be used to promote nutritionally rich diets, particularly for rural smallholders who rely predominantly on foods from their own farms.

**MICRONUTRIENT INTAKE** 

RESEARCH PROGRAM ON Forests, Trees and Agroforestry

CGIAR



## **DIETARY DIVERSITY\***

#### Children's Dietary Diversity\*\* **Minimum Dietary Diversity** % met RDA - Women\*\*\* Iron 15. **Å**Å (mg)24. Г Ť Vitamin A 17. **ÅÅ** Did not Did not (RE) (mcg) 3 achieve achieve (<4 groups) MDD-W (<5 groups) **Folate** 20 (mcg) % % 11. Achieved DDS (4+ food groups) Achieved MDD-W (5+ food groups) 46 ÅÅ Vitamin C Dietary diversity assessed at individual level is a proxy indicator of diet quality. It assesses (mg)3. the variety food groups consumed in a specific time period. Higher scores indicate better diet quality. For children >2years 7 food groups were used, for children ≥2years 9 food groups DDS 👬 Children Women was used. \*\*\* At least 5 food groups out of 10. RDA: Recommended Daily Allowance Average amount of FRUIT Average amount of fruit consumed by fruit consumed by INTAKE $\bigcirc$ only women who had only children who had consumed a fruit based on 24 consumed a fruit hour food recall Average amount of Average amount of • fruit consumed by fruit consumed by women interviewed children interviewed









		Food Name <sup>a</sup> , Scientific Name	JAN	FEB	MAR	APR	МАҮ	NUL	JUL	AUG	SEP	ост	NON	DEC	IRON	VITAMIN A⁵	FOLATE	VITAMIN C
FRUITS	6	PAWPAW/PAPAYA Carica papaya* <sup>2</sup>													~	++	~	+++
	/	BANANA Musa spp.															~	~
	- 🧖	PASSION FRUIT Passiflora edulis													~	++		++
	No.	NTUUKA Tennantia sennii																
	*	GREWIA/MALLOW RAISIN Grewia villosa													~		~	~
	the second	TAMARIND Tamarindus indica** <sup>3</sup> ,* <sup>1</sup>													++			~
		MANGO Mangifera indica**1													~	+++	~	++
	1	BIRD CHERRY Berchemia discolor**2													++			+++
	0	GUAVA Psidium guajava													~	~		+++
	ð	MOBOLA PLUM Parinari curatellifolia													++			+++
		COMMON WILD MEDLAR Vangueria madagascariensis																
		<b>DESERT DATE,</b> fresh Balanites aegyptiaca													++			+++
	-	<b>DESERT DATE,</b> dried Balanites aegyptiaca													+++		~	
VEGETABLES	*	PUMPKIN, leaves Cucurbita maxima													++	++	~	
		MORINGA, leaves Moringa oleifera													++	+++	~	++
		<b>COWPEA,</b> <i>leaves</i> Vigna unguiculata													++	+++	++	++
	次	AMARANTH, leaves Amaranthus spp.													+++	+++	~	++
		MORINGA, seeds Moringa oleifera																
STAPLES	1	PEARL MILLET Pennisetum glaucum*3													++			
	10	SORGHUM Sorghum bicolor													~			
	Ø	MAIZE, sweet, yellow Zea mays**1													~	~		
PULSES		MUNG BEAN/GREEN GRAM Vigna radiata** <sup>3</sup> ,* <sup>1</sup>													~		++	
	<b>A</b>	COWPEA Vigna unguiculata*2													~		++	
	鞅	BEAN Phaseolus vulgaris**2													~		~	
	æ,	GROUNDNUTS Arachis hypogaea													+++		+++	

### NOTES:

- Fruits as well as nuts refer to raw foods, whereas staples, pulses and vegetables are represented in а their cooked (boiled) form.
- b
- Vitamin A (calculations based on Vitamin A retinol equivalent = retinol + 1/6 beta-carotene + 1/12 alpha-carotene + 1/12 beta-cryptoxanthin). Data are expressed per 100g fresh weight of edible portion. most sold
- \*\*
- most consumed
- <sup>1, 2, 3</sup> as prioritized by farmers (staples and pulses considered together)

### KEY: +++ high source not a source no data available ++ source ~ present, but low source

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