



# ORANGE FLESHED SWEETPOTATO VARIETIES FOR MALAWI

MITUNDU YA MBATATA  
YOFIIRA MKATI YAKU  
MALAWI



A member of the  
CGIAR Consortium





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# ORANGE FLESHED SWEETPOTATO VARIETIES FOR MALAWI

## MITUNDU YA MBATATA YOFIIRA MKATI YAKU MALAWI

Zondeni, a local orange fleshed variety was recommended in 2008. Five other new orange fleshed varieties were developed and released in Malawi by the Department of Agricultural research services (DARS) in 2011. The variety names were given by local farmers during participatory evaluation. The meanings of the names relate to agronomic and taste characteristics of each variety.

All varieties in this catalogue are orange-fleshed, palatable, with medium to high dry matter content and high in beta-carotene, the vitamin A precursor. Children like these sweetpotatoes as they are not very dry.

**Except for Zondeni, all varieties are early to medium maturing and tolerant to sweetpotato viruses and weevils.**

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Mitundu ya mbeu ya mbatata yofiira mkati imeneyi inapangidwa ku Malawi konkuno ndi Department ya kafukufuku mu unduna wa Zamalimidwe. Boma linabvomereza mitundu isanu mu chaka cha 2011, ndipo Zondeni mbeu yomwe inali ndi alimi kale inabvomelezedwa ndi boma mu chaka cha 2008. Mayina a mbewu zimenezi anaperekedwa ndi alimi mogwirizana ndi kayikidwe, kakomedwe komanso kawonekedwe ka mtundu wa mbewu iliyonse.

**Mitundu yonse ndiyofiira mkati, yaufa, ndiponso ndiyotsekemera tikamadya. Kuonjezera apo, ili ndi michere ya Vitaminini A yochuluka.**

**Kupatulapo Zondeni, mitundu yonse ndiyocha msanga komanso yopilira ku matenda ndinankafumbwe wa mbatata.**

All the varieties were bred in Malawi by DARS and released in 2011. The variety names were given by local farmers and they relate to behavioral characteristics of each variety.

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Mitundu ya mbatatyai inapangidwa ku Malawi ndi DARS mu chaka cha 2011. Mayina a mbewu zimenezi anaperekedwa ndi alimi mogwirizana ndi kayikidwe komanso kawonekedwe ka mtundu wa mbewu iliyonse.



# ANA AKWANIRE

## CHARACTERISTICS OR ATTRIBUTES

**Kuzindikilika kapena kudziwika kwa mbewu**

A single plant produces 5 to 7 medium sized roots, enough for each child in a family of 6 children (mainly families with many children)

## GROWTH CHARACTERISTICS

**Kakulidwe ka mbewu**

Imayika mbatata zocheperapo mmawonekedwe koma zochulukirapo pa phando, zomwe zikhonza kukwanira mwana aliensyo pa banja

### Canopy or vine habit

Very spreading - high vine growth and yield

**Mawonekedwe a mitambe, misitsi kapena kholowa**

kholowa wake amayanga kwambiri

## MAJOR AGRONOMIC ATTRIBUTES

**Zotsatira zenizeni pa ulimi wa mbewu zimenezi**

**Maturity period**

Long duration between 5 and 6 months

**Nthawi yakakhwimidwe ka mbewu**

imacha pa miyezi isano ndi umodzi

**Root yield**

25.0 t/ha

**Kuchuluka kwa zokolola/mbatata**

Ma tani 25 pa hekitala



# CHIPIKA

## CHARACTERISTICS OR ATTRIBUTES

Produces big roots

**Kuzindikilika kapena  
kudziwika kwa mbewu**

Imayika mbatata ikulu ikulu

## GROWTH CHARACTERISTICS

**Canopy or vine habit**

Mainly Erect - but  
can spread in some  
instances

**Kakulidwe ka mbewu**

**Mawonekedwe a  
mitambe, misitsi  
kapena kholowa**

Imakhala ndi kholowa  
oyima komanso amatha  
kuyanga akapeza chonde

## MAJOR AGRONOMIC ATTRIBUTES

**Zotsatira zenizeni pa ulimi  
wa mbewu zimenezi**

**Maturity period**

4-5 months

**Nthawi yakakhwimidwe ka mbewu**

Imacha pa miyezi isano

**Root yield**

35.0 t/ha

**Kuchuluka kwa zokolola/mbatata**

Ma tani 35 pa hekitala

# KADYAUBWERERE

## CHARACTERISTICS OR ATTRIBUTES

The taste is sweet and one would always want to eat some more

## Kuzindikilika kapena kudziwika kwa mbewu

Yokoma kwambiri ndipo ukadya umafuna kuti udyenso

## GROWTH CHARACTERISTICS

Canopy or vine habit Spreading

## Kakulidwe ka mbewu

Mawonekedwe a mitambe, misitsi kapena kholowa Yoyanga

## MAJOR AGRONOMIC ATTRIBUTES

Zotsatira zenizeni pa ulimi wa mbewu zimenezi

### Maturity period

4-5 months

### Nthawi yakakhwimidwe ka mbewu

Imacha pa miyezi isano

### Root yield

35.0 t/ha

### Kuchuluka kwa zokolola/mbatata

Ma tani 35 pa hekitala

# KAPHULIRA

## CHARACTERISTICS OR ATTRIBUTES

It produces large roots, and early maturing (allows for piece meal harvest at 3 and half months)

## Kuzindikilika kapena kudziwika kwa mbewu

Yocha nsanga, ndipo mu nthawi yanjala, mutha kufukulila pa miyezi itatu ndi theka komanso imayika mbatata ikulu ikulu

## GROWTH CHARACTERISTICS

### Kakulidwe ka mbewu

Mawonekedwe a mitambe, misitsi kapena kholowa

Canopy or vine habit

Spreading

Yoyanga

## MAJOR AGRONOMIC ATTRIBUTES

### Zotsatira zenizeni pa ulimi wa mbewu zimenezi

#### Maturity period

Early maturing - 3 - 4 months

#### Nthawi yakakhwimidwe ka mbewu

Imacha pa miyezi itatu ndi theka

#### Root yield

35.0 t/ha

#### Kuchuluka kwa zokolola/mbatata

Ma tani 35 pa hekitala

Photo Credit: Silverman Tumwegamire

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# MATHUTHU



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**CHARACTERISTICS  
OR ATTRIBUTES**

Produces big round roots

**Kuzindikilika kapena  
kudziwika kwa mbewu**

Imayika mbatata yozungulira ndi  
yochulukirapo

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**GROWTH  
CHARACTERISTICS**

Canopy or vine habit      Semi-erect

**Kakulidwe ka mbewu**

Mawonekedwe a  
mitambe, misitsi  
kapena kholowa

Yoyanga komanso  
kholowa wina amakhala  
oyima pang'ono

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**MAJOR AGRONOMIC ATTRIBUTES****Zotsatira zenizeni pa ulimi  
wa mbewu zimenezi****Maturity period**

4-5 months

**Nthawi yakakhwimidwe ka mbewu**

Imacha pa miyezi isano

**Root yield**

25.0 t/ha

**Kuchuluka kwa zokolola/mbatata**

Ma tani 25 pa hekitala



# ZONDENI

## CHARACTERISTICS OR ATTRIBUTES

Late maturing. And one has to exercise patience with this variety. It is also called Kampalendo, Kantedza, Nyamatanga, Kalonga and Yamasumbi

### Kuzindikilika kapena kudziwika kwa mbewu

Imacha mochedwerapo ena amayitchula kuti Kampalendo, Kantedza, Nyamatanga, Kalonga and Yamasumbi

## GROWTH CHARACTERISTICS

### Canopy or vine habit

Very spreading - high vine growth and yield

### Kakulidwe ka mbewu

### Mawonekedwe a mitambe, misitsi kapena kholowa

kholowa wake amakahala oyanga komanso wantali

## MAJOR AGRONOMIC ATTRIBUTES

### Zotsatira zenizeni pa ulimi wa mbewu zimenezi

#### Maturity period

> Late maturing 5- 6 months

#### Nthawi yakakhwimidwe ka mbewu

> imacha pakati pa miyezi isano ndi umodzi

#### Root yield

> 8.0 - 16.0 t/ha

#### Kuchuluka kwa zokolola/mbatata

> Pakati pa ma tani 8 ndi 16 pa hekitala



Photo Credit: Sara Quinn

**Orange fleshed sweetpotato; rich in vitamin A that is very important for children under 5, pregnant and lactating women**

- Eating one medium-size Orange-Fleshed Sweetpotato each day is enough to provide the vitamin A needed by an adult.
  - One small sweetpotato is enough for a child.
  - For 6 month babies, try mashing and feeding boiled orange-fleshed Sweetpotato.
- Vitamin A is essential for everyone, to build their body, improve their vision and protect them from illness.
- Vitamin A is found in foods such as orange-fleshed sweetpotatoes, dark green leafy vegetables, mangoes, pumpkin, eggs, liver, milk, fortified sugar, and fortified cooking fat and margarine.
- Sweetpotato leaves are rich in vitamin A, B, iron and proteins.
- Adding a small amount of oil or foods with fat, like avocados and groundnuts, to vitamin A rich foods helps the body to use more of the vitamin A found in these foods.

**Mbatata yakholowa yofiira mkati; yopeleka vitamini A wambiri amene ali ofunikila kwa ana ochepele dzaka 5, azimayi apakati ndi azimayi oyamwitsa**

- Kudya mbatata ya kholowa yofiira mkati imodzi ya sayizi yapakatikati tsiku lililense ndi yokwanila kuti ipeleke vitamini A amene amafunika kwa munthu wamkulu.
  - Mbatata imodzi yaying'ono ndiyokwanira kwa mwana.
  - Mwana akakwanitsa miyezi 6, mukhoza kumukanyila ndi kumudyestsa mbatata yophika.
- Vitamini A ndi ofunikila kwa aliyense, kuti amange matupi, maso aziwona bwino, komanso kuteteza ku matenda.
- Vitamini A amapezeka muzakudya ngati mbatata ya kholowa yofiira mkati, masamba obiliwira, mango, mawungu, mazira, chiwindi, mkaka, shuga wolementewa tseketske ndi mafuta ophikira ndi sitoko owonjezeredwa vitamini A.
- Masamba a kholowa ali ndi michere ya vitamini A, B ndi ironi yambiri.
- Kuwonjelako mafuta ophikira pang'ono kapena zakudya ngati mapeyala ndi mtedza, ku chakudya choti chili ndi vitamini A wambiri, zimathandiza kuti thupi ligwiritse bwino ntchito vitamini A amene amapezeka mu chakudyacho.

**Photo:** From left to right: Loveness Williams, Agness Malili, Margaret Tchale, Mary Chidanzi, Teleza Alinodi, Zelifa Kadza



The International Potato Center (known by its Spanish acronym CIP) is a research-for-development organization with a focus on potato, sweetpotato, and Andean roots and tubers. CIP is dedicated to delivering sustainable science-based solutions to the pressing world issues of hunger, poverty, gender equity, climate change and the preservation of our Earth's fragile biodiversity and natural resources.

[www.cipotato.org](http://www.cipotato.org)



CIP is a member of CGIAR.

CGIAR is a global agriculture research partnership for a food-secure future. Its science is carried out by the 15 research centers who are members of the CGIAR Consortium in collaboration with hundreds of partner organizations.

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