

CIRAD50 (4678)

Edition: 2026

IDENTITY

Species	<i>Dioscorea alata</i>
Origin	Bénin
Origin centre code	TDa-4678
Supplier	IITA
CIRAD code	4678
DOI	10.18730/JBMNJ
Year of introduction	2022
Evaluation period	2022-2025

Variety strengths:

- Tolerance to rust
- Fair cooking quality
- No storage rot (1 month)

DESCRIPTION

ABOVE-GROUND PARTS

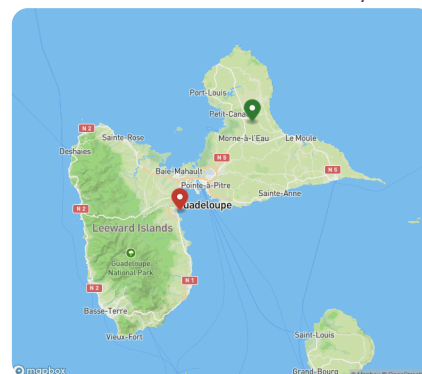
Stem	Bulbils	None
	Colour	Purplish green
Leaf	Shape	Elongated cordate
	Texture	Soft
Petiole	Colour	Fully green with purple base

**BELOW-GROUND PARTS**

Tuber	Flesh appearance	Granular
	Flesh colour	Light purple
	Roots	Low
Skin	Thickness	Thick
	Phelloderm	White

QUALITY

Storage rot (1 month)	None
Flesh colour	Light purple
Cooking oxidation	None
Boiled quality	Medium

Evaluation sites in Guadeloupe

- Roujol (Petit-Bourg)
- Godet (Petit-Canal)

NOTE: all data below were obtained at experimental stations (Roujol, Godet). They reflect the variety's performance under station growing conditions.

DISEASES

Anthraxnose

Level

Susceptible

Rust

Level

Tolerant

Is the cassava ant a threat to this variety? ☐ Yes ☒ No

EMERGENCE AND GROUND COVER

Germination rate **94 %**
 Emergence time **23 days**
 Cycle length (emergence → senescence) **5.5 months - short (<6 months)**

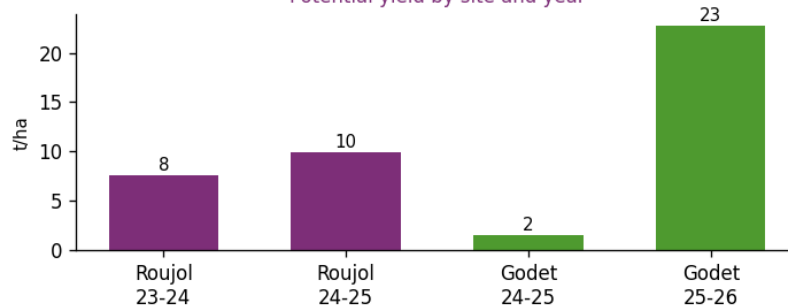
Ground cover at 1 month



YIELD

Potential yield **17.2 t/ha**
 Mean tubers per plant **1.2**
 Consistency profile ☐ Stable ☐ Not stable

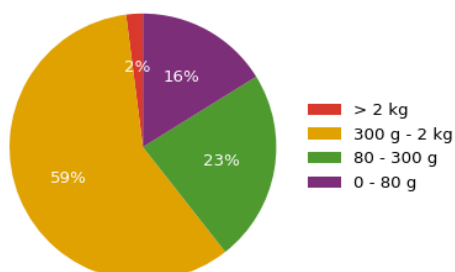
Potential yield by site and year



SIZE GRADE

Mean tuber weight

0.6 kg



Data sheet online on YamHub

