

CIRAD103 (Ti Joseph 1)

Edition: 2026

IDENTITY

Species	<i>Dioscorea alata</i>
Origin	n.d.
Origin centre code	CRB63
Supplier	CRB
CIRAD code	CRB63
DOI	n.d.
Year of introduction	2023
Evaluation period	2022-2025

Variety strengths:

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

DESCRIPTION

ABOVE-GROUND PARTS

Stem	Bulbils	None
	Colour	Purplish green
Leaf	Shape	Broad sagittate
	Texture	Soft
Petiole	Colour	Fully green with purple base



BELOW-GROUND PARTS

Tuber	Flesh appearance	Smooth
	Flesh colour	Purple outside / white inside
	Roots	Low
Skin	Thickness	Thick
	Phelloderm	Light purple

QUALITY

Storage rot (1 month)	None
Flesh colour	Purple outside / white inside
Cooking oxidation	Present
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

Anthracnose

Level

Tolerant

Rust

Level

Tolerant

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

EMERGENCE AND GROUND COVER

Germination rate **89 %**
 Emergence time **34 days**
 Cycle length (emergence → senescence) **5.6 months - short (<6 months)**

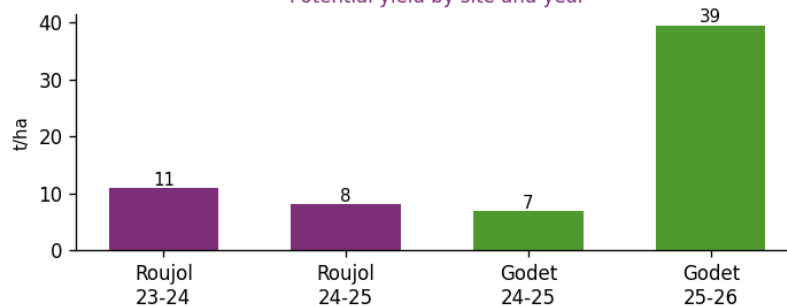
Ground cover at 1 month



YIELD

Potential yield **21.3 t/ha**
 Mean tubers per plant **1.4**
 Consistency profile ☐ Stable ☐ Not stable

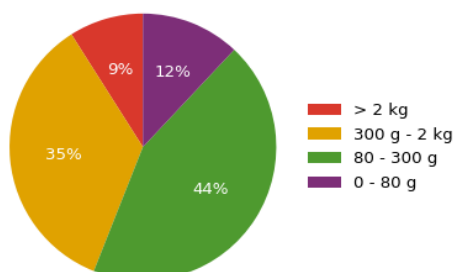
Potential yield by site and year



SIZE GRADE

Mean tuber weight

0.6 kg



Data sheet online on YamHub

