

CIRAD173 (Toki (SEA 119))

Edition: 2026

IDENTITY

Species	<i>Dioscorea alata</i>
Origin	Porto Rico
Origin centre code	CRB454
Supplier	CRB
CIRAD code	CRB454
DOI	10.15454/PALTQ2
Year of introduction	2011
Evaluation period	2022-2025

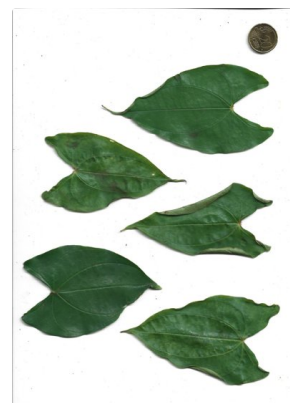
Variety strengths:

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

DESCRIPTION

ABOVE-GROUND PARTS

Stem	Bulbils	None
	Colour	Green
Leaf	Shape	Elongated sagittate
	Texture	Soft
Petiole	Colour	Green



BELOW-GROUND PARTS

Tuber	Flesh appearance	Smooth
	Flesh colour	Yellowish or off-white
	Roots	Low
Skin	Thickness	Medium
	Phelloderm	Purple

QUALITY

Storage rot (1 month)	None
Flesh colour	Yellowish or off-white
Cooking oxidation	None
Boiled quality	Medium

Evaluation sites in Guadeloupe



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

PERFORMANCE

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 **56 %**
Emergence time **30 days**
Cycle length (emergence → senescence) **5.8 months - short (<6 months)**

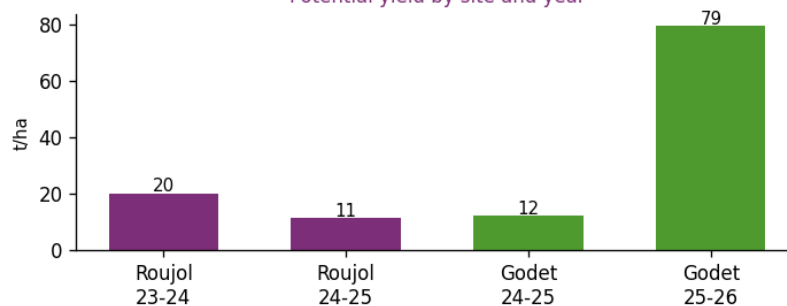
Ground cover at 1 month



YIELD

Potential yield **35.2 t/ha**
Mean tubers per plant **1.3**
Consistency profile ☐ Stable ☐ Not stable

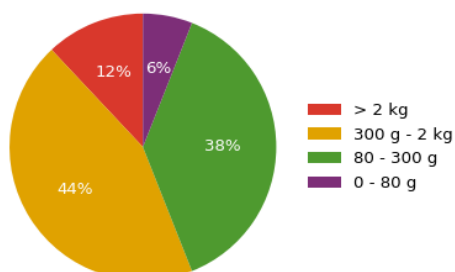
Potential yield by site and year



SIZE GRADE

Mean tuber weight

1.0 kg



Data sheet online on YamHub

