

CIRAD177 (KARUKERA)

Edition: 2026

IDENTITY

Species	<i>Dioscorea alata</i>
Origin	Guadeloupe
Origin centre code	CIR-A047
Supplier	CIRAD
CIRAD code	CIR-A047
DOI	n.d.
Year of introduction	2016
Evaluation period	2022-2025

Variety strengths:

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

DESCRIPTION

ABOVE-GROUND PARTS

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



BELOW-GROUND PARTS

Tuber	Flesh appearance	Granular
	Flesh colour	White
	Roots	Low
Skin	Thickness	Medium
	Phelloderm	Yellowish or off-white

QUALITY

Storage rot (1 month)	None
Flesh colour	White
Cooking oxidation	None
Boiled quality	Good

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 **Moderately susceptible**

Rust

Level

Tolerant

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

EMERGENCE AND GROUND COVER

Germination rate **81 %**
 Emergence time **31 days**
 Cycle length (emergence → senescence) **5.9 months - short (<6 months)**

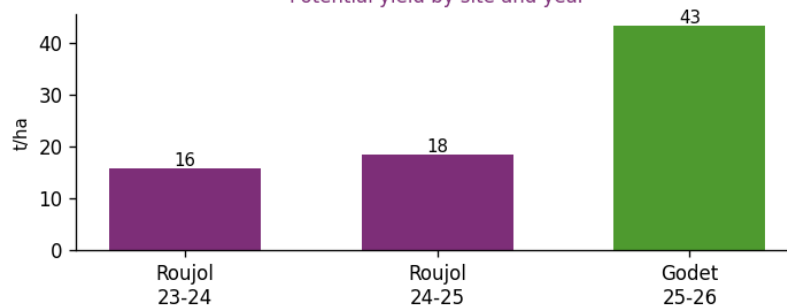
Ground cover at 1 month



YIELD

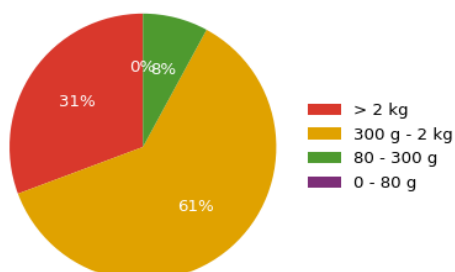
Potential yield **27.2 t/ha**
 Mean tubers per plant **0.8**
 Consistency profile ☐ Stable ☐ Not stable

Potential yield by site and year



SIZE GRADE

Mean tuber weight

1.5 kg

Data sheet online on YamHub

