

CIRAD138 (Fénakué)

Edition: 2026

IDENTITY

Species	<i>Dioscorea alata</i>
Origin	Porto Rico
Origin centre code	CRB22
Supplier	CRB
CIRAD code	CRB22
DOI	10.15454/0DBQ39
Year of introduction	2011
Evaluation period	2022-2025

Variety strengths:

- No storage rot (1 month)
- Suited to Guadeloupe conditions

DESCRIPTION

ABOVE-GROUND PARTS

Stem	Bulbils	None
	Colour	Green
Leaf	Shape	Elongated sagittate
	Texture	Soft
Petiole	Colour	Fully green with purple base



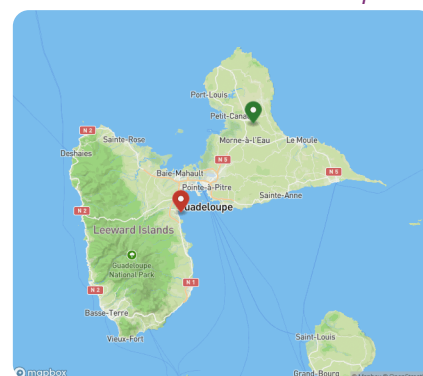
BELOW-GROUND PARTS

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	n/a

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

n.d.

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

EMERGENCE AND GROUND COVER

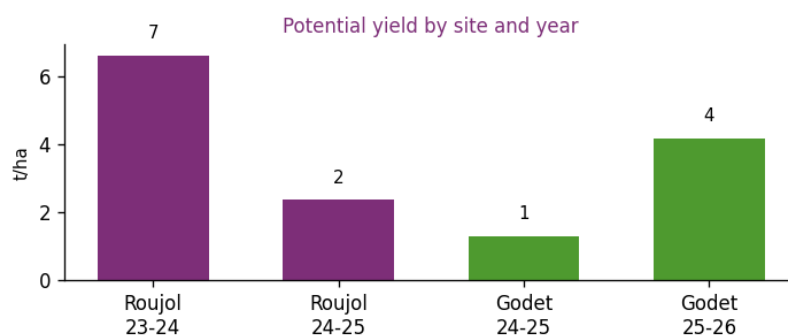
Germination rate **73 %**
 Emergence time **24 days**
 Cycle length (emergence → senescence) **5.6 months - short (<6 months)**

Ground cover at 1 month



YIELD

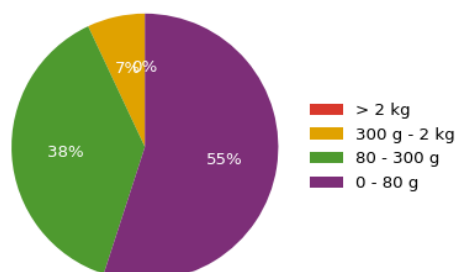
Potential yield **8 t/ha**
 Mean tubers per plant **1.3**
 Consistency profile ☐ Stable ☐ Not stable



SIZE GRADE

Mean tuber weight

0.1 kg



Data sheet online on YamHub

