

CIRAD51 (1414)

Edition: 2026

IDENTITY

Species	<i>Dioscorea alata</i>
Origin	Ghana
Origin centre code	TDa-1414
Supplier	IITA
CIRAD code	1414
DOI	10.18730/J9HRQ
Year of introduction	2022
Evaluation period	2022-2025

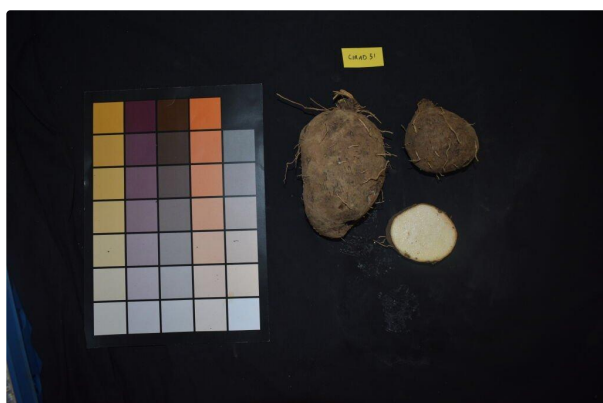
Variety strengths:

- Tolerance to rust
- Good cooking quality

DESCRIPTION

ABOVE-GROUND PARTS

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

**BELOW-GROUND PARTS**

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

QUALITY

Storage rot (1 month)	n.d.
Flesh colour	Yellowish or off-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

Susceptible

Rust

Level

Tolerant

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

EMERGENCE AND GROUND COVER

Germination rate **82 %**
 Emergence time **23 days**
 Cycle length (emergence → senescence) **5.4 months - short (<6 months)**

Ground cover at 1 month



YIELD

Potential yield **14.9 t/ha**
 Mean tubers per plant **1.1**
 Consistency profile ☐ Stable ☐ Not stable

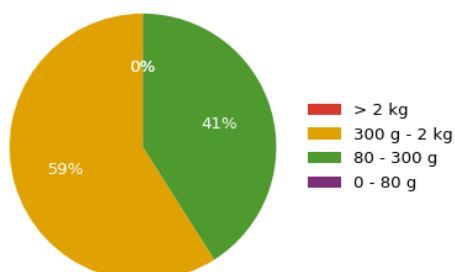
Potential yield by site and year



SIZE GRADE

Mean tuber weight

0.4 kg



Data sheet online on YamHub

