

# CIRAD163 (Pakutrany)

Edition: 2026

## IDENTITY

|                      |                        |
|----------------------|------------------------|
| Species              | <i>Dioscorea alata</i> |
| Origin               | Nouvelle Calédonie     |
| Origin centre code   | CRB16                  |
| Supplier             | CRB                    |
| CIRAD code           | CRB16                  |
| DOI                  | 10.15454/5RB124        |
| Year of introduction | 2011                   |
| Evaluation period    | 2022-2025              |

### Variety strengths:

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

## DESCRIPTION

### ABOVE-GROUND PARTS

|         |         |                                          |
|---------|---------|------------------------------------------|
| Stem    | Bulbils | <b>None</b>                              |
|         | Colour  | <b>Green</b>                             |
| Leaf    | Shape   | <b>Broad sagittate</b>                   |
|         | Texture | <b>Soft</b>                              |
| Petiole | Colour  | <b>Fully green with both ends purple</b> |



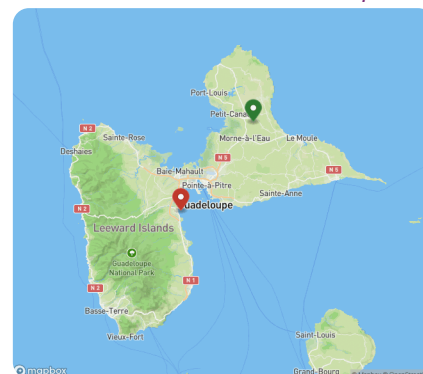
### BELOW-GROUND PARTS

|       |                  |                          |
|-------|------------------|--------------------------|
| Tuber | Flesh appearance | <b>Smooth</b>            |
|       | Flesh colour     | <b>Purple with white</b> |
|       | Roots            | <b>Low</b>               |
| Skin  | Thickness        | <b>Medium</b>            |
|       | Phelloderm       | <b>Light purple</b>      |

## QUALITY

|                       |                          |
|-----------------------|--------------------------|
| Storage rot (1 month) | <b>None</b>              |
| Flesh colour          | <b>Purple with white</b> |
| Cooking oxidation     | <b>None</b>              |
| Boiled quality        | <b>Medium</b>            |

### 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 **84 %**  
 Emergence time **29 days**  
 Cycle length (emergence → senescence) **5.4 months - short (<6 months)**

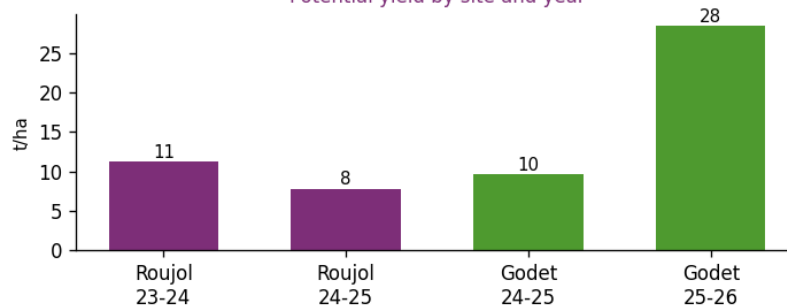
Ground cover at 1 month



## YIELD

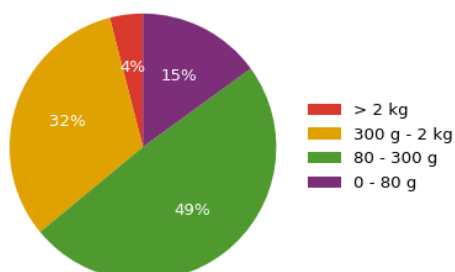
Potential yield **17.4 t/ha**  
 Mean tubers per plant **1.9**  
 Consistency profile ☐ Stable ☐ Not stable

Potential yield by site and year



## SIZE GRADE

Mean tuber weight

**0.4 kg**

Data sheet online on YamHub

