

# CIRAD157 (Manlankon)

Edition: 2026

## IDENTITY

|                      |                        |
|----------------------|------------------------|
| Species              | <i>Dioscorea alata</i> |
| Origin               | Vanuatu                |
| Origin centre code   | Roujol7                |
| Supplier             | CIRAD                  |
| CIRAD code           | CRB767                 |
| DOI                  | n.d.                   |
| Year of introduction | 2011                   |
| Evaluation period    | 2022-2025              |

### Variety strengths:

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

## DESCRIPTION

### ABOVE-GROUND PARTS

|         |         |                                          |
|---------|---------|------------------------------------------|
| Stem    | Bulbils | <b>Present</b>                           |
|         | Colour  | <b>Green</b>                             |
| Leaf    | Shape   | <b>Elongated sagittate</b>               |
|         | Texture | <b>Soft</b>                              |
| Petiole | Colour  | <b>Fully green with both ends purple</b> |



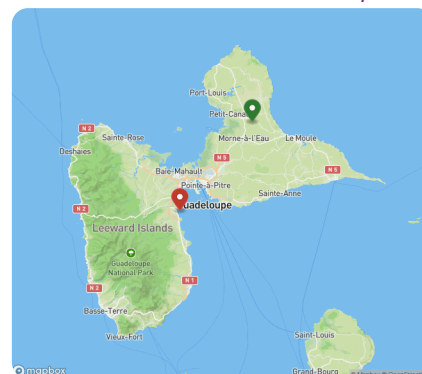
### BELOW-GROUND PARTS

|       |                  |                     |
|-------|------------------|---------------------|
| Tuber | Flesh appearance | <b>Granular</b>     |
|       | Flesh colour     | <b>White</b>        |
|       | Roots            | <b>Low</b>          |
| Skin  | Thickness        | <b>Thick</b>        |
|       | Phelloderm       | <b>Light purple</b> |

## QUALITY

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

### 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

Tolerant

### Rust

Level

Tolerant

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

## EMERGENCE AND GROUND COVER

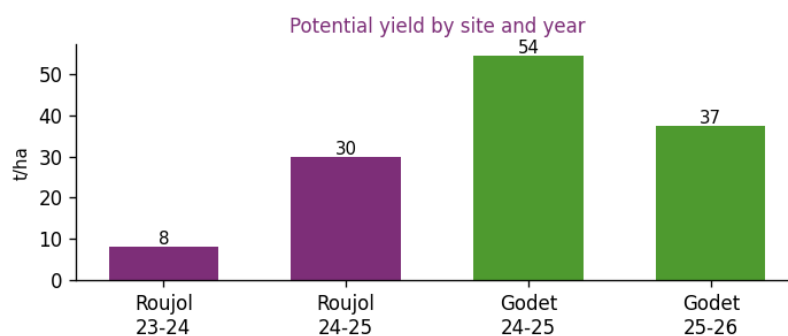
Germination rate **93 %**  
 Emergence time **21 days**  
 Cycle length (emergence → senescence) **5.8 months - short (<6 months)**

Ground cover at 1 month



## YIELD

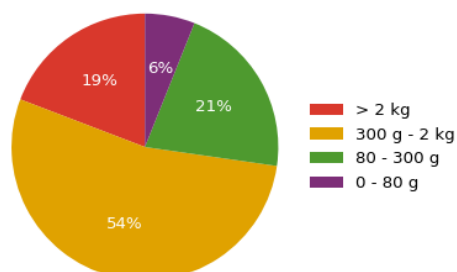
Potential yield **34.4 t/ha**  
 Mean tubers per plant **1.3**  
 Consistency profile ☐ Stable ☐ Not stable



## SIZE GRADE

Mean tuber weight

1.2 kg



Data sheet online on YamHub

