

# CIRAD77 (LYANNAG)

Edition: 2026

## IDENTITY

|                      |                            |
|----------------------|----------------------------|
| Species              | <i>Dioscorea rotundata</i> |
| Origin               | Bénin                      |
| Origin centre code   | TDr-3912                   |
| Supplier             | IITA                       |
| CIRAD code           | 3912                       |
| DOI                  | 10.18730/JB1H=             |
| Year of introduction | 2022                       |
| Evaluation period    | 2022-2025                  |

### Variety strengths:

- Good yield
- Tolerance to anthracnose and to rust
- Fair cooking quality
- Appreciated by farmers

## DESCRIPTION

### ABOVE-GROUND PARTS

|         |         |                     |
|---------|---------|---------------------|
| Stem    | Bulbils | None                |
|         | Colour  | Dark brown          |
| Leaf    | Shape   | Elongated sagittate |
|         | Texture | Soft                |
| Petiole | Colour  | 6                   |



### BELOW-GROUND PARTS

|       |                  |          |
|-------|------------------|----------|
| Tuber | Flesh appearance | Granular |
|       | Flesh colour     | White    |
|       | Roots            | Low      |
| Skin  | Thickness        | Medium   |
|       | Phelloderm       | Purple   |

## QUALITY

|                       |        |
|-----------------------|--------|
| Storage rot (1 month) | n.d.   |
| Flesh colour          | White  |
| Cooking oxidation     | None   |
| Boiled quality        | Medium |

### 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

Tolerant

### Rust

Level

Tolerant

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

## EMERGENCE AND GROUND COVER

Germination rate **71 %**  
 Emergence time **37 days**  
 Cycle length (emergence → senescence) **5.7 months - short (<6 months)**

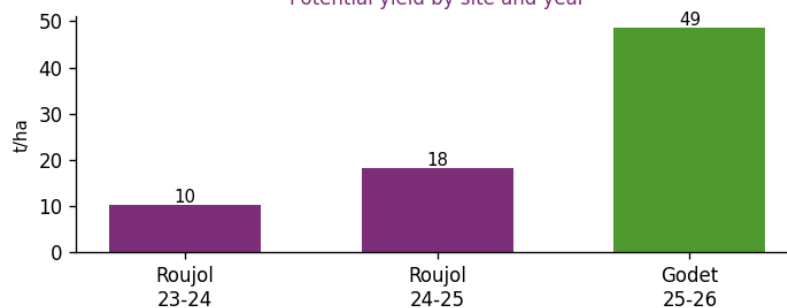
Ground cover at 1 month



## YIELD

Potential yield **27.4 t/ha**  
 Mean tubers per plant **1.3**  
 Consistency profile ☐ Stable ☐ Not stable

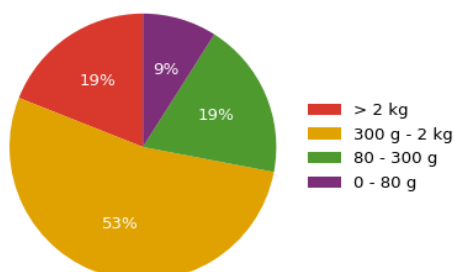
Potential yield by site and year



## SIZE GRADE

Mean tuber weight

**1.3 kg**



Data sheet online on YamHub

