

# CIRAD137 (Dou - H4x431)

Edition: 2026

## IDENTITY

|                      |                               |
|----------------------|-------------------------------|
| Species              | <b><i>Dioscorea alata</i></b> |
| Origin               | <b>Guadeloupe</b>             |
| Origin centre code   | <b>Roujol62</b>               |
| Supplier             | <b>CIRAD</b>                  |
| CIRAD code           | <b>CRB759</b>                 |
| DOI                  | <b>n.d.</b>                   |
| Year of introduction | <b>2011</b>                   |
| Evaluation period    | <b>2022-2025</b>              |

### Variety strengths:

- 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>Purplish green</b>    |
| Leaf    | Shape   | <b>Elongated cordate</b> |
|         | Texture | <b>Soft</b>              |
| Petiole | Colour  | <b>Green</b>             |



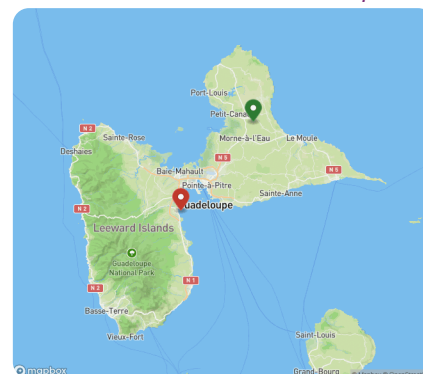
### BELOW-GROUND PARTS

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

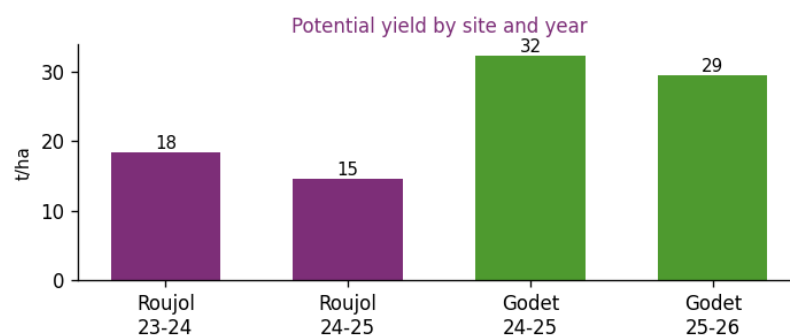
Germination rate **80 %**  
 Emergence time **27 days**  
 Cycle length (emergence → senescence) **5.9 months - short (<6 months)**

Ground cover at 1 month



### YIELD

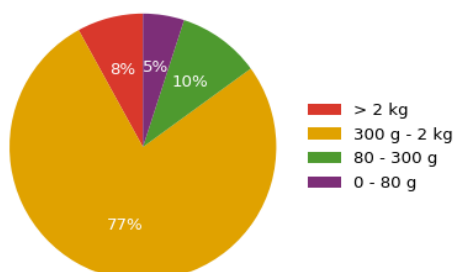
Potential yield **24.7 t/ha**  
 Mean tubers per plant **1**  
 Consistency profile ☐ Stable ☐ Not stable



### SIZE GRADE

Mean tuber weight

**1.0 kg**



Data sheet online on YamHub

