

## CIRAD108 (61F)

Edition: 2026

## IDENTITY

|                      |                               |
|----------------------|-------------------------------|
| Species              | <b><i>Dioscorea alata</i></b> |
| Origin               | <b>Guadeloupe</b>             |
| Origin centre code   | <b>Roujol83</b>               |
| Supplier             | <b>CIRAD</b>                  |
| CIRAD code           | <b>Roujol83</b>               |
| DOI                  | <b>n.d.</b>                   |
| Year of introduction | <b>2006</b>                   |
| Evaluation period    | <b>2022-2025</b>              |

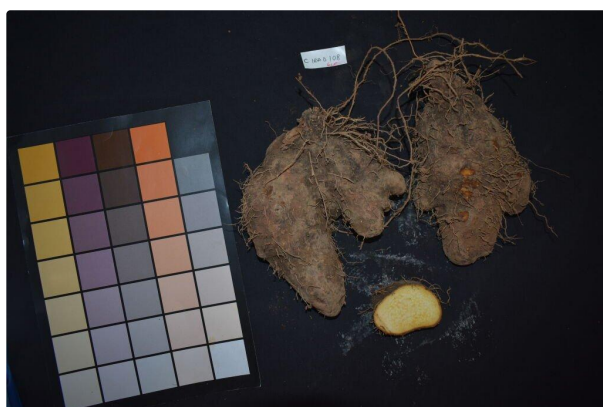
**Variety strengths:**

- High yield
- Tolerance to rust
- No storage rot (1 month)
- Large tubers

## DESCRIPTION

**ABOVE-GROUND PARTS**

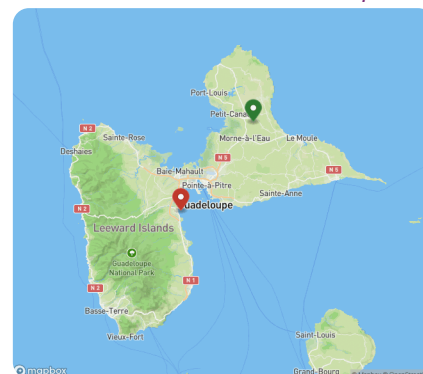
|         |         |                            |
|---------|---------|----------------------------|
| Stem    | Bulbils | <b>None</b>                |
|         | Colour  | <b>Green</b>               |
| Leaf    | Shape   | <b>Elongated sagittate</b> |
|         | Texture | <b>Soft</b>                |
| Petiole | Colour  | <b>Green</b>               |

**BELOW-GROUND PARTS**

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

## QUALITY

|                       |                |
|-----------------------|----------------|
| Storage rot (1 month) | <b>None</b>    |
| Flesh colour          | <b>Yellow</b>  |
| Cooking oxidation     | <b>Present</b> |
| Boiled quality        | <b>Low</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 **Moderately susceptible**

#### Rust

Level

**Tolerant**

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

### EMERGENCE AND GROUND COVER

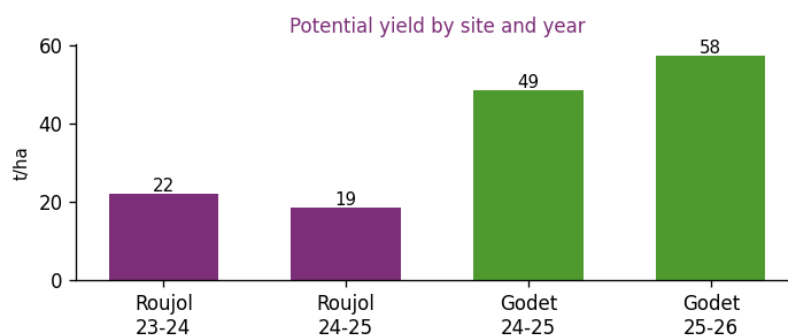
Germination rate **86 %**  
 Emergence time **32 days**  
 Cycle length (emergence → senescence) **5.7 months - short (<6 months)**

Ground cover at 1 month



### YIELD

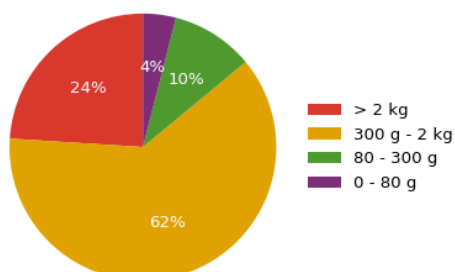
Potential yield **36.4 t/ha**  
 Mean tubers per plant **1**  
 Consistency profile ☐ Stable ☐ Not stable



### SIZE GRADE

Mean tuber weight

**1.7 kg**



Data sheet online on YamHub

