

# CIRAD248 (Autofecondation-KREOLINE-4)

Edition: 2026

## IDENTITY

|                      |                        |
|----------------------|------------------------|
| Species              | <i>Dioscorea alata</i> |
| Origin               | Guadeloupe             |
| Origin centre code   | CIRAD248               |
| Supplier             | CIRAD                  |
| CIRAD code           | CIRAD248               |
| DOI                  | n.d.                   |
| Year of introduction | 2023                   |
| Evaluation period    | 2022-2025              |

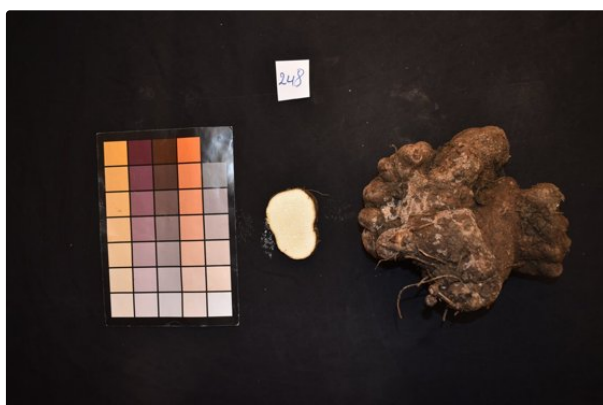
### Variety strengths:

- Good yield
- Tolerance to anthracnose and to rust
- No storage rot (1 month)
- Large tubers

## DESCRIPTION

### ABOVE-GROUND PARTS

|         |         |                   |
|---------|---------|-------------------|
| Stem    | Bulbils | None              |
|         | Colour  | Green             |
| Leaf    | Shape   | Elongated cordate |
|         | Texture | Soft              |
| Petiole | Colour  | Green             |



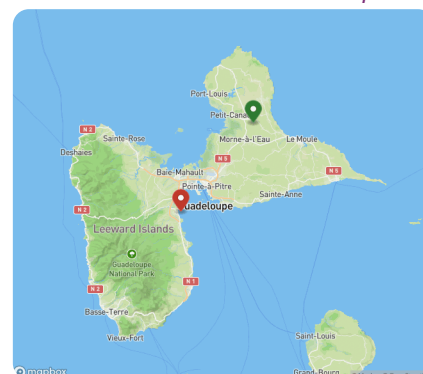
### BELOW-GROUND PARTS

|       |                  |                        |
|-------|------------------|------------------------|
| Tuber | Flesh appearance | Granular               |
|       | Flesh colour     | Yellowish or off-white |
|       | Roots            | High                   |
| Skin  | Thickness        | Thick                  |
|       | Phelloderm       | Purple                 |

## QUALITY

|                       |                        |
|-----------------------|------------------------|
| Storage rot (1 month) | None                   |
| Flesh colour          | Yellowish or off-white |
| Cooking oxidation     | None                   |
| Boiled quality        | Low                    |

### 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 **89 %**  
 Emergence time **29 days**  
 Cycle length (emergence → senescence) **5.6 months - short (<6 months)**

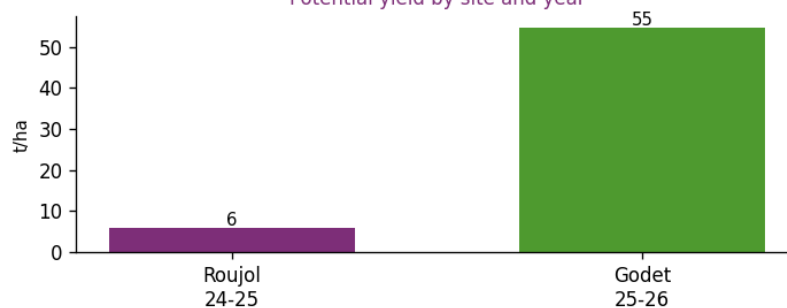
Ground cover at 1 month



## YIELD

Potential yield **27.2 t/ha**  
 Mean tubers per plant **1.1**  
 Consistency profile ☐ Stable ☐ Not stable

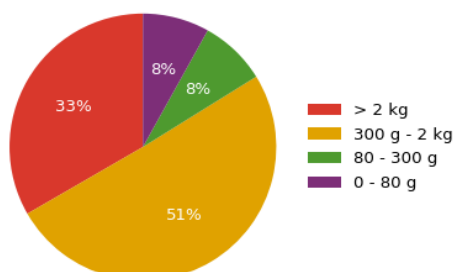
Potential yield by site and year



## SIZE GRADE

Mean tuber weight

1.7 kg



Data sheet online on YamHub

