Collaborating Institutions

- Agricultural Development Programs
- Agro Service Centre, Awa
- Cassava Processors
- Chaddok Farms, Owerri
- College of Agriculture Umagbu
- De-ladder establishments Ltd
- Ekka Agro farms Ltd.
- Federal Ministry of Agriculture and Rural Development
- Federal Ministry of Commerce
- Fed. College of Agriculture, Akure
- Federal University of Technoagy, Owerri
- Green River Project, NAOC
- Hill View farms Saboigida, Kachana
- Institute for Agricultural Research and Training, Ibadan
- Jolly Farms, Etubia, Eleme
- Matra Foods Company Ltd., Akure
- National Root Crops Research Institute
- Niger Delta Development Commission
- Nigeria Cassava Growers Association
- Nigeria Starch Mills
- Obasanjo Farms Nigeria Ltd.
- Oku Farm, Onne
- Root and Tuber Expansion Program
- SHELL Agric Demonstration Farm, Warri
- Songhai Farm, Warri
- University of Agriculture, Abeokuta
- University of Calabar
- University of Ibadan
- University of Nigeria Nsukka
- University of Science and Technology, Onne and Port Harcourt

For further information contact:

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**TMS 98/0581**

1. **Species:** Manihot esculenta Crantz
2. **Name of variety:** TMS 98/0581
3. **Original name or Breeder’s code:** TMS 98/0581
4. (a) **Origin/Source of variety:** International Institute of Tropical Agriculture (IITA), Oyo Road, Ibadan
   (b) **Name and address of developing/introducing organization:** IITA and National Root Crops Research Institute (NRCRI), Umudike.
   (c) **Principal Breeder:** Dr. A. G. O. Dixon
   (d) **Collaborators:** Prof. M.O. Akoroda, Dr. C. Egesi, Dr. F.O. Ogbe
5. **Type of variety:** Hybrid
6. **Ploidy level:** Diploid

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**Characteristics of TMS 98/0581**

**a. General Descriptors**
- **Pedigree**
- **Days to maturity (months):** 12
- **Potential root yield (t/ha):** 47.3

**b. Specific Descriptors**
- **Plant type:** Tall (about 3 m)
- **Branching habit:** Moderately profuse
- **Height of branching:** 0.5–1.0 m
- **Suitability for mixed cropping:** Fairly suitable
- **Color of unexpanded young leaf:** Purple
- **Color of fully expanded leaf color:** Green with taint of red towards the base of the leaflets
- **Pubescence of young leaf:** High pubescence
- **Central leaf lobe shape:** Elliptic
- **Petiole color:** Red
- **Young stem color:** Green with taint of red
- **Stem color:** Light yellow
- **Flower:** Absent
- **Root neck length:** Short
- **Outer root skin color:** Tan (yellowish brown)
- **Inner root skin color:** White or cream
- **Pulp color:** White or cream
- **CNP (ppm):** 114.7
- **Dry matter of fresh roots (%):** 36.0
- **Gari yield (%):** 22.0
- **Proximate composition of dry roots:**
  - Starch (%): 68.1
  - Sugar (%): 5.1
  - Protein (%): 3.4
  - Ash (%): 2.3
  - Fibre (%): 1.0
  - Amylose % of the starch: 19.8

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TMS 98/0581 was released in Nigeria on September 1, 2005. The variety was tested in On-farm trials, Demonstration trials and multilocational trials along with 3 known checks TMS 30572, TMS 4(2)1425, and 82/00058. It was found to have multiple pest resistance, high yielding and suitable for food, industry, and livestock feed.

National Committee on naming, registration, and release of crop varieties, livestock breeding, and fisheries.