

# Species Datasheet

Datasheet No. A-403.054.002  
(family.genus.species)

DBT-1

## 1. Taxon:

Species: *Tithonia rotundifolia*(Mill.) S.F. Blake

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:**[\*Tagetesrotundifolia\* Mill.](#), [\*Tithoniaaristata\* Oersted](#), [\*T.speciosa\* \(Hook.\) Hook. ex Griseb.](#), [\*T.speciosa\* \(Hook.\) Klatt ex Klatt ex Th. Dur. & Pitt.](#), [\*T.speciosa\* Hook.](#), [\*T.speciosa\* \(Hook.\) Klatt](#), [\*T.uniflora\*Desf. ex J.F.Gmel.](#), [\*Urbanisolaristatus\* \(Oerst.\) Kuntze](#), [\*U.heterophyllus\* \(Griseb.\) Kuntze](#), [\*U.tagetiflora\*Kuntze](#), [\*U.tagetiflora\* var. \*speciosus\* \(Hook.\) Kuntze](#), [\*U.tagetiflora\* var. \*tagetiflora\*](#), [\*U.tagetiflora\* f. \*tagetiflora\*](#),[\*Verbesinaszysylowiczii\* \(Kuntze\) Hieron.](#)

## Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Gamopetalae

Series: Inferae

Cohors: Asterales Link

Ordo: CompositaeGiseke

Genus: *Tithonia* Desf. ex Juss.Species: *T. rotundifolia*(Mill.) S.F. Blake

## 3. Systematic Position:

### APG IV (2016)

- Kingdom:Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Tithonia* Desf. ex Juss.
- Species: *T. rotundifolia*(Mill.) S.F. Blake

## 4. Distribution:

**Global:**Argentina, Belize, Bolivia, Brazil,Caribbean, Colombia, Acosta Rica, El Salvador, Guatemala, Honduras, Mexico,Nicaragua, Panama, Peru, South Africa, USA, Venezuela.

**India:**Widespread weed

5. **Indigenous/Exotic/Endemic; Cultivated/Wild:**Cultivatedand also wild.

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:**Herb.

**8. Life Form:**Chamaephytes

**9. Economic Importance:**Cultivated in garden.

**10. Probable Progenitor of:**

**11. DNA**

**C-value**

**Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):** $2n=34^{2,16,17,18}$

**14. Gametic chromosome number(s):** $n=17^{9,10,12}$

**15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**

Image file

**16. Ploidy level:**

Image file

**17. Agametoploidy:**

**18. Nature of polyploidy (auto, segmental, allo, autoallo):**

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**21. Somatic chromosomes:**

**Karyotype**

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry**

Image file

**22. Banding pattern(s):**

Image file

**23. Physical mapping of chromosomes:**

**In situ hybridization**

Image file

**Fluorescent in situ hybridization**

Image file

**24. Genomic in situ hybridization:**

Image file

**25. Linkage map:**

Image file

**26. Chromosome associations:**

**Female meiosis**

**Male meiosis**

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level<sup>15</sup>**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability ;Translocations etc.):**