

***Tradescantia pallida* (Rose) D. R. Hunt**

Systematic Position

Kingdom: Plantae

Phylum: Tracheophyta

Class: Liliopsida

Order : Commelinales

Family: Commelinaceae

Genus : *Tradescantia*

Species: *Tradescantia pallida* (Rose)
D.R.Hunt



Popular names: Purple Heart, Spider lily, Wandering jew, Spiderwort, Purple secretia

Nature: Herb

Flowering time: March to June

Fruiting time: May to August

Plant distribution: I is native of Central America and southern United State and widely cultivated in subtropical regions

Economic importance:

1. It is used as an ornamental plant.
2. It is used to clean and purify air indoors and used as ground cover in tropical and subtropical region.
3. It is used as a bio-indicator plant.

Plant description: It is a long jointed sprawling groundcover plant with succulent stems and pointed leaves, perennial herb.

Root- Fibrous roots; **Stem-** Elongate decumbent, jointed stems and sub-erect flowering branches.

Leaf- Leaves are sheathing at base, upper surface of leaves are deep royal purple and lower surface of the leaves are more vivid violet, alternate, rarely falsely whorled;

Inflorescence- Short, condense cyme, enclosed within spathaceous bract.

Flower- Hermaphrodite, 3-merous, irregular, pinkish, perianth 2 seriate; Sepals 3, free, whitish, oblong; Petals pink to rose-purple; Stamens 6, in 2 whorls, with 3 filaments epipetalous and 3 adherent to petal margins, glabrous or variably pubescent, free, anthers ditheous; Carpels-Tricarpellary, syncarpous, placentation axile, style simple, terminal with capitate stigma.

Fruit- Capsule, angular, enclosed by fleshy sepals.

Seed- Angular, arillate, ridged or reticulate with punctiform or linear scar.

Some close-up pictures of plant parts

