

Spot Characters (6):

Simple Asymmetric Leaves

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- The leaf blade is composed of a single unit and the left and right sides of the leaf are not symmetrical. Asymmetry is relatively uncommon among plants with simple leaves.



Many species and cultivars in the *Begonia* genus have simple asymmetric leaves. The photo on the left is *Begonia brevirimosa* ssp. *exotica* and the one on the right is *Begonia* 'Bettina Rothschild'.



Leaves of the Tempinis Tree (*Streblus elongatus*) are unequal in size across the midrib and asymmetric at the leaf base. In the past, this tree was abundant in the Tampines area, giving the place its name.

Examples of plants recorded from Singapore:

Taxon that are recorded from Singapore (Native) * Listing is non-exhaustive	
Family	Taxon
Anisophylleaceae	<i>Anisophyllea disticha</i>
Cannabaceae	<i>Gironniera nervosa</i>
Cornaceae	<i>Alangium ridleii</i>
Malvaceae	<i>Commersonia bartramia</i>
Moraceae	<i>Artocarpus elasticus</i> , <i>Ficus heteropleura</i> , <i>Ficus pisifera</i> , <i>Ficus ruginervia</i> , <i>Ficus sinuata</i> , <i>Microcos globulifera</i> , <i>Streblus elongatus</i>
Phyllanthaceae	<i>Glochidion lutescens</i>
Piperaceae	<i>Piper caninum</i>
Putranjivaceae	<i>Drypetes curtisii</i> , <i>Drypetes laevis</i> , <i>Drypetes longifolia</i> , <i>Drypetes pendula</i>
Rhamnaceae	<i>Ziziphus oenopolia</i>
Urticaceae	<i>Pellionia repens</i>

Examples of plants recorded from Singapore:



Artocarpus elasticus (asymmetric lobe shapes in young leaves)



Ficus pisifera (asymmetric leaf bases)



Ficus ruginervia (asymmetric leaf base, unequal size/ shape across the midrib)



Girroniera nervosa (asymmetric leaf base, one side of the leaf is larger than the other)



Pellionia repens (asymmetric leaf base)

Examples of plants that exist only as cultivated specimens in Singapore:

Taxon that exist only as cultivated specimens in Singapore * Listing is non-exhaustive	
Family	Genus
Acanthaceae	<i>Suessenguthia multisetosa</i> (syn. <i>Ruellia multisetosa</i>)
Araceae	<i>Monstera deliciosa</i> , <i>Monstera obliqua</i>
Begoniaceae	<i>Begonia</i> spp.
Heliconiaceae	<i>Heliconia</i> cvs.
Moraceae	<i>Ficus pumila</i> , <i>Ficus punctata</i> , <i>Artocarpus altilis</i>
Phyllanthaceae	<i>Phyllanthus pulcher</i> , <i>Phyllanthus myrtifolius</i>
Rhamnaceae	<i>Ziziphus jujuba</i> , <i>Ziziphus nummularia</i>

Examples of plants that exist only as cultivated specimens in Singapore:



NParks Flora&FaunaWeb

Ficus pumila (asymmetric leaf base)



NParks Flora&FaunaWeb

Heliconia bihai x *marginata*
'Rauliniana' (asymmetric leaf base)



NParks Flora&FaunaWeb

Monstera obliqua (uneven number of holes between the 2 sides of the leaf)



NParks Flora&FaunaWeb

Artocarpus altilis (4 lateral lobes on one side compared to 3 lobes on the other side)