

Comparison of Similar Looking Plants

Magnolia champaca and *Magnolia* × *alba*



Scientific name: *Magnolia champaca*

Common name: Champaca

Family: Magnoliaceae

Origin: India







Scientific name: *Magnolia* × *alba*

Common name: White Champaca





Family: Magnoliaceae

Origin: Cultivated hybrid




Character Comparison

	<i>Magnolia champaca</i>	<i>Magnolia × alba</i>
Form	<ul style="list-style-type: none"> Up to 40-50 m tall Conical, compact crown 	<ul style="list-style-type: none"> Up to 10-30 m tall More open crown 
Foliage	<ul style="list-style-type: none"> Spirally arranged, ovate-lanceolate to oblong-lanceolate leaves (10-30 cm long, 4-10 cm wide) Leaf stalk 1-4 cm long 	<ul style="list-style-type: none"> Spirally arranged, ovate-lanceolate to oblong-lanceolate leaves (15-35 cm long, 5.5-16 cm wide) Leaf stalk 1.5-5 cm long 

Character Comparison

	<i>Magnolia champaca</i>	<i>Magnolia × alba</i>
Foliage Comparison	<ul style="list-style-type: none">Matte leaves with velvety underside (hairs more dense along the midrib and veins) 	<ul style="list-style-type: none">Glossy leaves with smooth underside 
Stipule-Scar	<ul style="list-style-type: none">Long stipule-scar almost as long as the leaf stalk 	<ul style="list-style-type: none">Short stipule-scar located at the base of the leaf stalk 

Character Comparison

	<i>Magnolia champaca</i>	<i>Magnolia × alba</i>
Flower	<ul style="list-style-type: none"> • Solitary flowers (4-5 cm wide) have an intense, musky fragrance • Flowers light yellow turning to dark orange (flowers of some wild plants may remain light yellow) • Occasional flowering 	<ul style="list-style-type: none"> • Solitary flowers (5 cm wide) have a more subtle, fruity fragrance • Flowers are white (no colour change) • Free-flowering, abundant blooming 
Fruit	<ul style="list-style-type: none"> • Each flower produces a cluster of round to egg-shaped, light brown, slightly woody fruit (called a 'follicle', 1.5-3.5 cm long, 1-2.5 cm wide) 	<ul style="list-style-type: none"> • Sterile hybrid does not produce fruit

Character Comparison

References:

Gardner, S., Sidisunthorn, P. and Chayamarit, K. (Editors), 2016. Forest Trees of Southern Thailand Vol 2. Euphorbiaceae to Menispermaceae. Kobfai Publishing Project, Bangkok, Thailand. 792 pp.

Keng, H., 1990. The Concise Flora of Singapore: Gymnosperms and Dicotyledons. Singapore University Press, Singapore. 222 pp.

Kiew, R., Chung, R.C.K., Saw, L.G. and Soepadmo, E. (Editors), 2012. Flora of Peninsular Malaysia, Malayan Forest Records No. 49, Series II: Seed Plants, Vol 3. Forest Research Institute Malaysia, Selangor Darul Ehsan, Malaysia. 385 pp.

Nooteboom, H.P. (1985). Notes on Magnoliaceae with a revision of *Pachylarnax* and *Elmerrillia* and the Malesian species of *Manglietia* and *Michelia*. *Blumea* 31, 65-121.

Nooteboom, H.P. (1988). Magnoliaceae. *Flora Malesiana* Series 1, 10(3): 561-605.

Oyen, L.P.A. and Nguyen X.D. (Editors), 1999. Plant Resources of South-East Asia No 19. Essential-oil plants. Backhuys Publishers, Leiden, the Netherlands. 277 pp.

Ping, T.S., Kwong, Y.W., Ng S.C., Ong, Z.M. (Editors), 2009. Trees of Our Garden City, second edition. National Parks Board, Singapore. 384 pp.

Wee Y.C., 2003. Tropical Trees and Shrubs: A Selection for Urban Plantings. Sun Tree Publishing Ltd., USA. 393 pp.