

• 中文名稱：石朴

• 英文名稱：Taiwan Hackberry

• 學名：
Celtis formosana Hayata
Celtis tetrandra Roxb. (四蕊朴-植物分類學報)

• 科名：榆科(Ulmaceae)朴屬(*Celtis*)

臺灣朴樹、石朴(臺灣植物誌)，石朴樹、石博，四蕊朴(植物分類學報)，昆明朴、西藏朴、鳳慶朴

• 別名：

- **Taiwan Hackberry** (臺灣朴樹) – As recorded in the *Flora of Taiwan*.
- **Shi-pu** (石朴 / 石朴樹) – Commonly used in Taiwan, referring to its preference for rocky or stony habitats.
- **Shi-bo** (石博) – A regional variation of the name.
- **Four-stamen Hackberry** (四蕊朴) – As recorded in the *Acta Phytotaxonomica Sinica*, referring to its floral structure.
- **Geographical Variations:** Also known as **Kunming Hackberry** (昆明朴), **Tibetan Hackberry** (西藏朴), or **Fengqing Hackberry** (鳳慶朴) in various Chinese botanical records.

臺灣特有種，亦分布於中國大陸及琉球。

• 原產地：This species is **native to Taiwan** (often cited as a characteristic species of the island) and is also distributed throughout **Mainland China** and the **Ryukyu Islands**.

生長於台灣全島低海拔闊葉林中或次森林中。

• 分佈：It is commonly found throughout the **entire island of Taiwan**, growing within **low-elevation broad-leaved forests** or **secondary forests**.

• 用途：

1. 日常用途：木材堅硬耐燃，是上好的材薪；枝條彎曲富變化，樹冠開展寬闊，臺灣朴樹是夏天的綠洋傘，朴樹下便是遮蔭納涼的好去處。
2. 食用：核果長橢圓形，成熟時為橙黃色，可食。
3. 蝴蝶的幼蟲食草：本種為豹紋蝶的幼蟲食草。
4. 製作器具用：木材質地堅硬強韌，多被用來製作器具，恆春地區用其木材製成舂臼及搗杵。
5. 藥用：參見朴樹

這段文字詳細描述了 石朴 (*Taiwan Hackberry / Celtis formosana*) 在台灣傳統生活與生態中的重要角色。

1. **Daily Utility:**

- **Fuelwood:** The wood is dense and hard, making it an excellent, long-burning firewood.
- **Landscaping:** With its uniquely curved branches and a broad, spreading canopy, the Taiwan Hackberry acts as a "green summer umbrella." Its shade provides a cool and pleasant resting spot.

2. **Edible Fruit:** The **drupes** (stone fruits) are oblong in shape. They turn **orange-yellow** when ripe and are edible.

3. **Host Plant for Butterflies:** This species serves as a vital larval host plant (food source) for the **Common Jester butterfly** (*Symbrenthia hypselis kumari*, also known as the **Leopard Butterfly** in local contexts).

4. **Tool Making:** Due to its **hard and resilient texture**, the wood is frequently used to manufacture tools. In the **Hengchun region**, it is traditionally used to craft **mortars and pestles** (for pounding grain).

5. **Medicinal:** Refer to the general medicinal properties of *Celtis sinensis* (Chinese Hackberry).

樹皮呈灰白色，幹皮幾乎不開裂，具脫落性之圓形痂狀凸起，枝條彎曲富變化，樹冠開展寬闊；當年生的小枝疏生短柔毛，或幾近光滑，毛不久後脫落。

• 莖：

- **Bark Appearance:** The bark is **grayish-white** and remains largely **unfissured** (does not crack or split deeply).
- **Distinctive Feature:** The trunk surface features **deciduous, circular, scab-like protrusions** (warty lenticels or bumps) that can flake off.
- **Branching Habit:** The branches are **highly sinuous and varied in form**, creating a **broad, spreading canopy**.
- **New Growth:** Current-year branchlets (young twigs) are **sparsely pubescent** (covered in short, soft hairs) or nearly glabrous (smooth). These hairs typically **shed shortly after** the branchlet emerges.

• 葉：

單葉，互生，托葉早落；葉片紙質，3 出脈，葉上表面光滑，翠綠色，下表面幾近光滑，銀綠色，僅葉脈上具極疏之伏毛，長卵形，長約 7 公分，寬約 3.3 公分，全緣或細齒緣，稀粗鋸齒緣，先端呈銳尖至尾尖（當年生小枝基部者除外），基部明顯歪斜。

- **Type & Arrangement: Simple leaves, arranged alternately.** The stipules are **caducous** (fall

off early).

- **Texture & Color:** The leaf blade has a **papery** (chartaceous) texture.
 - **Upper Surface:** Smooth (glabrous) and **emerald green**.
 - **Lower Surface:** Nearly smooth and **silvery-green**, with extremely sparse **appressed hairs** found only along the veins.
- **Venation:** Characterized by **tri-veined** (3-nerved) basal veins.
- **Shape & Size:** Long-ovate, approximately **7 cm long** and **3.3 cm wide**.
- **Margins:** Usually **entire** (smooth) or with **fine serrations** (minutely toothed); rarely with coarse serrations.
- **Apex & Base:**
 - **Apex:** Ranges from **acute to caudate** (tail-pointed), except for the leaves at the very base of the current year's branchlets.
 - **Base: Distinctly oblique** (strongly asymmetrical/lopsided at the base).

花雜性同株，雄花簇生，雌花單生；花葉同時開放，花為淡黃色，常 1~3 朵著生於當年枝條的葉腋。萼片 4~5 枚；無花瓣；雄蕊 4~5 枚，與萼片對生；雌蕊子房上位。

• 花：

- **Sexuality:** The plant is **polygamomonoecious** (bearing male, female, and bisexual flowers on the same individual).
 - **Male flowers** are typically borne in **clusters**.
 - **Female flowers** are usually **solitary**.
- **Phenology:** The flowers and leaves **emerge simultaneously** (coetaneous).
- **Color & Arrangement:** The flowers are **pale yellow**. They are commonly borne in groups of **1–3** within the **axils** of the current year's branchlets.
- **Floral Structure:**
 - **Sepals:** 4–5 pieces.
 - **Petals: Absent** (apetalous).

- **Stamens:** 4–5, positioned **opposite the sepals**.
- **Ovary: Superior** (positioned above the attachment of other floral parts).

果成熟於秋季但常遺留到落葉後。核果卵形而具堅實外皮，徑約 0.6~0.7 公分，呈綠色，成熟時橙黃色，可食，梗長約 1 公分。

• 果實：

- **Type:** A **drupe** (stone fruit) with a **firm, solid exocarp** (outer skin).
- **Size & Shape:** **Ovoid** (egg-shaped), measuring approximately **0.6–0.7 cm** in diameter.
- **Color:** The fruit is initially **green**, turning a bright **orange-yellow** when fully mature.
- **Edibility:** The fruit is **edible**, often having a thin, sweet layer of pulp surrounding the central pit.
- **Fruiting Season:** The fruits **ripen in autumn**, but they frequently **persist on the branches** even after the leaves have fallen for the winter.
- **Pedice (Fruit Stalk):** Approximately **1 cm** long.

落葉喬木；幹皮幾乎不開裂，具脫落性之圓形痂狀凸起；當年生的小枝疏生短柔毛，或幾近光滑，毛不久後脫落。單葉，互生，托葉早落；葉片紙質，3 出脈，葉上表面光滑，翠綠色，下表面幾近光滑，銀綠色，僅葉脈上具極疏之伏毛，長卵形，長約 7 公分，寬約 3.3 公分，全緣或細齒緣，稀粗鋸齒緣，先端呈銳尖至尾尖（當年生小枝基部者除外），基部明顯歪斜。花雜性同株，雄花簇生，雌花單生；花與葉同開，果成熟於秋季但常遺留到落葉後。萼片 4~5 枚；無花瓣；雄蕊 4~5 枚，與萼片對生；雌蕊子房上位。核果卵形而具堅實外皮，成熟時橙黃色，可食，梗長約 1 公分。本種與沙朴很像，惟其幾近光滑之葉面、銳尖至尾尖之葉先端可與之區別。

• 特性：

- **Growth Form:** A **deciduous tree**. The trunk bark is largely **unfissured** and characterized by **deciduous, circular, scab-like protrusions**. Young branchlets are initially sparsely pubescent (finely hairy) but soon become nearly smooth (glabrous).
- **Foliage:**
 - **Simple, alternate leaves** with early-falling (caducous) stipules.
 - The blades are **papery**, featuring **tri-veined** bases.
 - The upper surface is a **glossy emerald green**, while the underside is **silvery-green**.

and almost entirely smooth, except for very sparse appressed hairs on the veins.

- **Shape:** Long-ovate (approx. 7 x 3.3 cm) with an **entire or finely serrated margin**.
- **Apex & Base:** The tip is **acute to caudate** (tail-like), and the base is **distinctly oblique** (asymmetrical).
- **Reproduction:**
 - **Polygamomonoecious** (male flowers in clusters, female flowers solitary).
 - Flowers emerge **simultaneously with new leaves**.
 - **Floral parts:** 4–5 sepals, **no petals**, 4–5 stamens opposite the sepals, and a **superior ovary**.
- **Fruit:** An **ovoid drupe** with a firm outer skin. It turns **orange-yellow** when ripe, is **edible**, and sits on a stalk (pedicel) about 1 cm long. The fruit often stays on the branches long after the leaves have fallen in autumn.