

4. CALOEDRUS Kurz, J. Bot. 11: 196. 1873.

翠柏属 cui bai shu

Trees evergreen, monoecious; branchlets arranged in a plane, spreading or ascending, flattened, prominently jointed. Leaves decussate, almost in whorls of 4, scalelike, base decurrent, dimorphic along branchlets: facial pairs flattened; lateral pairs boat-shaped, usually less than 4 mm, overlapping facial pairs, without conspicuous, white stomatal bands abaxially. Pollen cones terminal, solitary; microsporophylls 10–16, each with 2–5 pendulous pollen sacs. Seed cones terminal, solitary, oblong or ellipsoid-cylindric, dehiscent when mature in 1st year; cone scales 6, decussate, flat, only middle pair fertile, each fertile scale bearing 1 or 2 seeds; free bract apex a short mucro. Seeds with 2 subapical, unequal wings. Cotyledons 2.

Two species: China, Laos, Myanmar, Thailand, Vietnam, Mexico, United States; one species in China.

1. *Calocedrus macrolepis* Kurz, J. Bot. 11: 196. 1873.

翠柏 cui bai

Trees to 35 m tall; trunk to 1.5 m d.b.h.; bark grayish brown or reddish brown, smooth when young, fissured and exfoliating when old; crown pyramidal when young, broadly rounded when old; branches spreading and ascending. Leaves (1.5–)3–4(–8) mm. Pollen cones yellow, ovoid or oblong, 4–8 × 2–3 mm; microsporophylls each with (3 or)4(or 5) pollen sacs. Seed cones reddish brown when ripe, 10–20 × 4–6 mm; cone scales flattened, woody, fertile scales 2-seeded, basal pair small, ca. 3 mm, recurved, apical pair connate. Seeds subovoid or ellipsoid, slightly flattened, 5–6 mm. Pollination Mar–Apr, seed maturity Sep–Oct.

Forests; 300–2000 m. ?Guangdong, W Guangxi, S Guizhou, Hainan, N Taiwan, Yunnan [N India, Laos, NE Myanmar, NE Thailand, Vietnam].

1a. Seed-cone-bearing branchlets terete or 4-angled 1a. var. *macrolepis*

1b. Seed-cone-bearing branchlets flattened 1b. var. *formosana*

1a. *Calocedrus macrolepis* var. *macrolepis*

翠柏(原变种) cui bai (yuan bian zhong)

Heyderia macrolepis (Kurz) H. L. Li; *Libocedrus macrolepis* (Kurz) Bentham & J. D. Hooker; *Thuja macrolepis* (Kurz) Voss.

Seed-cone-bearing branchlets terete or 4-angled.

Forests in mountain regions; 1000–2000 m. ?Guangdong, W Guangxi (Jingxi Xian), S Guizhou, Hainan, Yunnan [N India, Laos, NE Myanmar, NE Thailand, Vietnam].

A vulnerable plant in China.

1b. *Calocedrus macrolepis* var. *formosana* (Florin) W. C. Cheng & L. K. Fu, Fl. Reipubl. Pop. Sin. 7: 327. 1978.

台湾翠柏 tai wan cui bai

Libocedrus formosana Florin, Svensk. Bot. Tidskrift 24: 126. 1930; *Calocedrus formosana* (Florin) Florin; *Heyderia formosana* (Florin) H. L. Li; *Libocedrus macrolepis* var. *formosana* (Florin) Kudô.

Seed-cone-bearing branchlets flattened. $2n = 22^*$.

• Forests; 300–1900 m. N Taiwan.

