

2. CHOSENIA Nakai, Bot. Mag. (Tokyo) 34: 68. 1920.

钻天柳属 zuan tian liu shu

Trees deciduous. Terminal bud absent; buds with single scale. Leaves alternate; stipules absent; petiole short; leaf blade with both surfaces uniformly colored. Flowering precocious; male catkin pendulous; female catkin upright or ascending; bracts entire. Flowers anemophilous, without perianth or gland at base. Male flower: stamens 5, glabrous, shorter than bracts; filaments adnate to base of bracts. Female flower: ovary glabrous, 1-loculed, 4-ovulate, shortly stipitate; styles 2, distinct, each divided to ca. 1/2 into 2 stigmas. Capsule 2-valved. Seeds exalbuminous.

One species: China, Japan, Korea, Russia (Far East).

1. Chosenia arbutifolia (Pallas) A. K. Skvortsov, Bot. Mater. Gerb. Bot. Inst. Komarova Acad. Nauk SSSR 18: 43. 1957.

钻天柳 zuan tian liu

Salix arbutifolia Pallas, Fl. Ross. 1(2): 79. 1788;

Chosenia bracteosa (Turczaninow ex Trautvetter)

Nakai; *C. eucalyptoides* (Meyer ex. C. K. Schneider)

Nakai; *C. macrolepis* (Turczaninow) Komarov; *C.*

splendida (Nakai) Nakai; *S. bracteosa* Turczaninow ex

Trautvetter; *S. eucalyptoides* Meyer ex. C. K. Schneider;

S. macrolepis Turczaninow.

Trees to 30 m tall; trunk to 1 m d.b.h.; bark brownish gray; crown columnar. Branchlets slightly reddish yellow or purplish red, glabrous, pruinose. Buds flattened ovoid, shiny. Leaves petiolate; leaf blade oblong-lanceolate to lanceolate, 5–8 × 1.5–2.3 cm, both surfaces glabrous, grayish green, abaxially often pruinose, base cuneate, margin serrulate or subentire, apex acuminate. Male catkin pendulous, 1(–3) cm; rachis glabrous; bracts obovate, abaxially glabrous, margin villous, persistent. Male flower: stamens 5; anthers yellow, globose. Female catkin 1–2.5 cm; rachis glabrous; bracts obovate-elliptic, abaxially glabrous, margin villous, caducous. Female flower: gland absent, sometimes with 1 or 2 reduced glandules; ovary sub-ovoid-cylindric, shortly stipitate; styles gradually caducous after anthesis. Fl. May, fr. Jun. $2n = 38$.

Along streams; 300–1000 m. Hebei, Heilongjiang, Jilin, Liaoning, E Nei Mongol [Japan, Korea, Russia (Far East)].

