

## Part Two: Systematic Overview

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**Salix** L. 1753, Sp. pl.: 1015; 1754, Gen. pl.: 447.  
T y p u s: *Salix alba* L. (Britton, Brown, 1913, 1: 591).

### KEY TO SECTIONS

1. Bud scales with distinct, overlapping margins on adaxial side . . . . . 2
- Bud scales cap-like, with connate margins . . . . . 3
2. Buds positioned at acute angle to shoot, triangular, not compressed, 3–5 mm long. Leaves 6–25 mm broad. Styles short, stigmas two-lobed, subsessile . . . . . 1. HUMBOLDTIANAE
- Buds accumbent to shoots, lanceolate, 5–10 mm long. Leaves 25–60 mm broad. Styles long, filamentous, distinct almost to their bases, stigmas linear, two-parted . . . . . 3. URBANIANAE
3. Stamens three or more, distinct . . . . . 4
- Stamens two, distinct or connate . . . . . 5
4. Bark exfoliating from old branches and stems in patches of irregular shape. Persistent part of bark remains smooth. Young leaves not producing pitch. Stamens three . . . . . 2. AMYGDALINAE
- Bark on old stems with coarse longitudinal fissures, not exfoliating in patches. Young leaves glandular, producing pitch. Stamens 4–10 (rarely 3) . . . . . 4. PENTANDRAE
5. Bracts pale: yellowish, greenish, reddish, or brownish, but not black. In female catkins either all or some of bracts fall off by time when capsules ripen . . . . . 6
- Bracts persistent . . . . . 7
6. Stamens two, distinct . . . . . 5. SALIX
- Stamens two, entirely connate . . . . . 25. HELIX
7. Stamens connate either partially or completely . . . . . 8
- Stamens distinct . . . . . 13
8. Leaves narrowly lanceolate, with revolute margins, their lower surface clothed with dense white tomentum composed of extremely thin, tangled trichomes . . . . . 19. CANAE
- Either leaves glabrous or trichomes look different . . . . . 9
9. Leaves with numerous prominent parallel veins beneath. Veins clothed with appressed silvery trichomes; frequently the rest of leaf blade beneath is also silvery pilose. By fall, leaf petioles with axillary floriferous buds become abruptly ventricose, embracing their buds. Nectaries linear . . . . . 18. SUBVIMINALES
- Veins beneath neither prominent nor looking different due to pubescence. Petioles not abruptly ventricose by fall. Nectaries square or rectangular . . . . . 10
10. Capsules stipitate; stipes 0.5–1.0 mm long. Styles 1.2–2.5 mm long . . . . . 22. DAPHNELLA