
Neodeutzia Small.

Shrubs stellate hairy. Branchlets opposite; buds enclosed by imbricate scales. Leaves opposite, exstipulate, subdeciduous. Inflorescences racemose, paniculate, corymbose, or cymose, rarely a solitary flower. Calyx tube adnate to ovary, campanulate, 5-lobed. Petals 5, induplicate, valvate, or imbricate. Stamens 10(–15), 2-seriate; filaments subulate, flat, or dilated and apex 2-dentate; anthers shortly stalked, subglobose. Ovary inferior, rarely subinferior, 3–5-loculed; ovules numerous, in many series on fleshy placenta. Styles 3(–5), free; stigma terminal or decurrent. Fruit a capsule, subglobose, 3(–5)-valved, dehiscing loculicidally or between styles. Seeds numerous, oblong, compressed; testa membranous, reticulate, apex winged; embryo borne in middle of fleshy endosperm.

About 60 species: warm temperate regions of the N hemisphere; 50 species (41 endemic, two introduced) in China. Several species are cultivated as ornamentals.

1a. Petals imbricate, usually broadly ovate, obovate, or orbicular.

2a. Filaments subulate, toothless or only inner ones dentate; petals white, rarely pink.

3a. Plants glabrous, except bud scales and leaf blades sometimes stellate hairy adaxially

4a. Leaf blade adaxially 5(or 6)-rayed stellate hairy, abaxially 6–12-rayed stellate hairy; filaments subulate, toothless or only inner 2 dentate; petals white

5a. Teeth of outer filaments subequaling or longer than anther stalks; inflorescences 5–15(–21)-flowered; stellate hairs of inflorescences and leaf blade veins without papilliform base.

6a. Leaf blade abaxially glaucous, glabrous or 3–5-rayed stellate hairy; petals white or pinkish at apex; branchlets and inflorescences glabrous

7a. Pedicel slender, 1–2 cm; inflorescences 1–3(–5)-flowered; filament teeth horizontal or recurved, falcate; anthers borne between filament teeth

8a. Outer anther stalks ca. 2 mm, ca. 1/2 as long as filaments; inner anther stalks borne between filament teeth

9a. Leaf blade abaxially sparsely 6–8-rayed stellate hairy, hairs of 2 types (minute and larger ones)

10a. Filaments all 2-dentate at apex, teeth not reaching anthers or, if longer, horizontal or recurved, falcate; anthers borne between filament teeth.

11a. Flowering branchlets to 4 cm; inflorescences 1–3(–5)-flowered; filament teeth horizontal or recurved, falcate, exceeding anthers.

12a. Leaf blade abaxially densely 7–11-rayed stellate hairy, indumentum continuous

13a. Inflorescences cymose; calyx lobes subequaling or longer than tube, rarely shorter.
14a. Leaf blade abaxially greenish gray, elliptic-lanceolate or oblong-lanceolate, 5–10 × 2–3 cm; filament teeth acute at apex ................................................................. 18. D. discolor
14b. Leaf blade abaxially gray, ovate or elliptic-ovate, 3–5 × 1.5–2 cm; filaments teeth obtuse at apex ........................................................................................................... 19. D. silvestrii
13b. Inflorescences paniculate, racemose, or cymose paniculate; calyx lobes ca. 1/2 as long as calyx tube.
15a. Leaf blade adaxially 3- or 4-rayed stellate hairy, abaxially 4- or 5(or 6)-rayed stellate hairy.
16a. Inflorescences slender, racemose or narrowly paniculate, glabrous; calyx sparsely hairy; filaments 2-dentate at apex or outer ones toothless ................................................................. 10. D. gracilis
16b. Inflorescences robust, cymose paniculate, hairy; calyx densely hairy; filaments all 2-dentate at apex.
17a. Petiole less than 2 mm on flowering branchlets or almost absent; hairs on leaf blade veins with long central rays and papilliform base ................................................................. 11. D. faberi
17b. Petiole 2–4 mm on flowering branchlets; hairs on leaf blade veins with neither long central rays nor papilliform base ................................................................................................. 12. D. taiwanensis
15b. Leaf blade adaxially 4- or 5(–7)-rayed stellate hairy, abaxially 10–22-rayed stellate hairy, rarely glabrous on both surfaces or only abaxially sparsely stellate hairy.
18a. Flowering branchlets glabrous; leaf blade abaxially glabrous, or if hairy then rather sparsely so ................................................................................................................................. 13. D. glauca
18b. Flowering branchlets stellate hairy; leaf blade hairy on both surfaces, abaxially more densely so.
19a. Leaf blade abaxially grayish green, densely stellate hairy, indumentum continuous.
20a. Petiole 5–15 mm on flowering branchlets; leaf blade adaxially 6–12-rayed stellate hairy; petals 10–12 mm; capsule 6–7 mm in diam. ................................................................. 14. D. pulchra
20b. Petiole 1–2 mm on flowering branchlets; leaf blade adaxially 4–7(or 8)-rayed stellate hairy; petals 5–8 mm; capsule 4–5 mm in diam. ................................................................. 15. D. ningpoensis
19b. Leaf blade abaxially green, sparsely stellate hairy, indumentum discontinuous.
21a. Calyx yellowish brown stellate hairy; calyx tube ca. 2.5 × 2 mm, lobes ovate .......... 16. D. crenata
21b. Calyx grayish green stellate hairy; calyx tube ca. 3 × 4 mm, lobes deltoid ..... 17. D. schneideriana
10b. Only outer filaments 2-dentate at apex, teeth ± level with or exceeding anthers, rarely shorter; inner filaments not 2-dentate at apex; anthers borne at middle or near apex of filaments abaxially.
22a. Capsule globose or subglobose, with persistent, incurved calyx lobes.
23a. Leaf blade adaxially reticulate rugose when dry ................................................. 44. D. crassifolia
23b. Leaf blade adaxially not rugose when dry.
24a. Leaf blade abaxially grayish, densely 8–16-rayed stellate hairy, indumentum continuous 45. D. multiradiata
24b. Leaf blade abaxially greenish or grayish green, sparsely 5–9(or 10)-rayed stellate hairy, indumentum discontinuous.
25a. Leaf blade glossy, leathery, margin thorny serrate ......................................................... 46. D. coriacea
25b. Leaf blade not glossy, papery or membranous, margin serrulate.
26a. Stellate hairs of branchlets and leaf blades with long central rays; calyx lobes ovate or ovate- lanceolate; petiole 1–3 mm ................................................................. 47. D. pilosa
26b. Stellate hairs of branchlets and leaf blades without long central rays, except those on leaf blade veins; calyx lobes deltoid or ovate deltoid; petiole 3–5 mm.
27a. Leaf blade narrowly lanceolate, 2.5–4.5 × 0.4–0.6(–1.2) cm, base rounded .......... 48. D. esquirolii
27b. Leaf blade ovate, ovate-oblong, or -lanceolate, 3–7(–12) × 1.5–3 cm, base rounded or broadly cuneate.
28a. Stellate hairs of abaxial leaf surface with papilliform base .................................. 50. D. setchuenensis
28b. Stellate hairs of abaxial leaf surface without papilliform base.
29a. Leaf blade abaxially densely grayish green stellate hairy, reticulate veins conspicuously elevated; petals 3–4.5 mm ................................................................. 49. D. cinerascens
29b. Leaf blade abaxially sparsely yellow-green or greenish stellate hairy, reticulate veins inconspicuous; petals 5–12 mm ......................................................... 50. D. setchuenensis

22b. Capsule hemispheric, rarely obconical or campanulate, with persistent, erect, rarely recurved calyx lobes.

30a. Calyx lobes shorter than tube.


32a. Inflorescences corymbose cymes, pedicels 1–2 cm; petals of outer filaments exceeding anthers .................................................................................. 23. D. cymuligera

32b. Inflorescences cymes, pedicels 3–5 mm; petals of outer filaments ± level with anthers 22. D. rehderiana

31b. Inflorescences 6–25-flowered; leaf blade abaxially grayish green, densely 8–14-rayed stellate hairy.

33a. Styles slightly longer than stamens; inner anthers borne near apex of filaments abaxially.

34a. Petals pink; calyx tube 3.5–4 × 4–4.5 mm, lobes deltoid or broadly ovate; styles 4(0r 5) 31. D. wardiana

34b. Petals white; calyx tube ca. 3 × 2.5 mm, lobes ovate or ovate-oblong; styles 3(4).

35a. Capsule hemispheric, persistent calyx lobes erect; margin of leaf blade regularly serrulate 29. D. staminea

35b. Capsule obconical or obcampanulate, persistent calyx lobes recurved; margin of leaf blade alternately coarsely serrate and serrulate ........................................................... 30. D. crassidentata

33b. Styles shorter than or subequaling stamens; inner anthers borne at middle of filaments abaxially, rarely between teeth.

36a. Leaves dimorphic, suborbicular on basal flowering branchlets; petals 13–14 mm 28. D. heterophylla

36b. Leaves monomorphic, not suborbicular on basal flowering branchlets; petals 6–12 mm.

37a. Leaf blade subleathery; petals narrowly elliptic, obovate-oblong, or oblong, ca. 3 × as long as wide.

38a. Apex of outer filaments shouldered, subrounded, or 2-lobed with lobes not reaching anthers ................................................................. 24. D. obtusilobata

38b. Apex of outer filaments 2-dentate, teeth oblong, ± level with anthers .......... 25. D. monbeigii

37b. Leaf blade papery; petals broadly elliptic or obovate, ca. 2 × as long as wide.

39a. Petals 10–12 × 5–6 mm; stellate hairs of leaf blade with long central rays ..... 26. D. yunnanensis

39b. Petals ca. 8 × 4 mm; stellate hairs of leaf blade without long central rays ........ 27. D. breviloba

30b. Calyx lobes subequaling or longer than tube.

40a. Styles shorter than inner stamens; petals 4.5–7 mm.

41a. Leaf blade abaxially gray-white, densely stellate hairy, indumentum continuous; calyx lobes narrowly lanceolate, base less than 1 mm wide .................................................... 32. D. albida

41b. Leaf blade abaxially greenish, sparsely stellate hairy, indumentum discontinuous; calyx lobes lanceolate, base ca. 1 mm wide ................................................................. 33. D. taibaiensis

40b. Styles subequaling or longer than stamens; petals more than 7 mm.

42a. Stellate hairs of branchlets and inflorescences with papilliform base.

43a. Leaf blade 3–10 × 1.5–3 cm, abaxially 5–9(–11)-rayed stellate hairy, indumentum discontinuous; calyx lobes subequaling tube, leathery ................................................................. 34. D. aspera

43b. Leaf blade 1–2.5 × 0.7–1.4 cm, abaxially densely stellate hairy, indumentum continuous; calyx lobes longer than tube, membranous .................................................. 35. D. glaucophylla

42b. Stellate hairs of branchlets and inflorescences without papilliform base.

44a. Leaf blade 2–5(–8) × 0.6–2 cm; inflorescences 3–4(–5) cm in diam.

45a. Calyx lobes lanceolate, membranous; leaf blade abaxially greenish, indumentum discontinuous .................................................................................. 36. D. glomeruliflora

45b. Calyx lobes subulate, subleathery; leaf blade abaxially grayish green, indumentum continuous ................................................................. 37. D. subulata

44b. Leaf blade 3–5–12(–15) × (1–)1.5–3 cm; inflorescences 4.5–8 cm in diam.

46a. Calyx lobes 5–8 mm, ca. 2 × as long as tube, membranous ........................................ 43. D. calycosa

46b. Calyx lobes 2.5–5 mm, subequaling or slightly longer than tube, leathery.

47a. Leaf blade papery or thinly leathery, abaxially spuriously stellate hairy.

48a. Leaf blade oblong-lanceolate or lanceolate, adaxially 4–6-rayed stellate hairy, abaxially yellowish brown, 7–9(–13)-rayed stellate hairy, indumentum appressed .... 41. D. nanchuanensis

48b. Leaf blade broadly ovate-lanceolate or ovate-oblong, adaxially 4- or 5-rayed stellate hairy, abaxially greenish, 4–8(–10)-rayed stellate hairy, indumentum not appressed 42. D. purpurascens
47b. Leaf blade leathery, abaxially densely stellate hairy.
49a. Leaf blade ovate; flowering branchlets 18–22 cm; petals white .......... 40. D. zhongdianensis
49b. Leaf blade lanceolate or elliptic-lanceolate; flowering branchlets 5–15 cm; petals purplish.
50a. Leaf blade adaxially 4–6(or 7)-rayed stellate hairy, abaxially 8–12-rayed stellate hairy, hairs along veins with long central rays ........................................... 38. D. longifolia
50b. Leaf blade adaxially 6–8-rayed stellate hairy, abaxially 12–16-rayed stellate hairy, hairs without long central rays ........................................... 39. D. squamosa


光萼溲疏  guang e sou shu

Shrubs ca. 3 m tall. Flowering branchlets red-brown, 6–8 cm, 4–6-leaved, glabrous. Petiole 2–4 mm or very short to absent; leaf blade ovate to ovate-lanceolate, 5–10 × 2–4 cm, membranous, abaxially glabrous, adaxially glabrous or 3- or 4(or 5)-rayed stellate hairy, veins in 3 or 4 pairs, base broadly cuneate or subrounded, margin serrulate, apex acuminate. Inflorescences corymbose, 3–8 cm in diam., 5–20(–30)-flowered, glabrous; pedicels 1–1.5 cm. Calyx tube cupular, ca. 2.5 × 3 mm, glabrous; lobes ovate deltoid, ca. 1 mm, apex obtuse. Petals 2–4 mm; leaf blade ovate or ovate-lanceolate, 2.5–3 mm, glabrous. Fl. Jun–Jul, fr. Aug–Sep.

1a. Leaf blade ovate or ovate-lanceolate, adaxially sometimes 3- or 4(or 5)-rayed stellate hairy; petiole 2–4 mm ..... 1a. var. glabrata
1b. Leaf blade broadly ovate-lanceolate, glabrous on both surfaces; petiole very short to absent .............. 1b. var. sessilifolia

1a. Deutzia glabrata var. glabrata


Mixed forests, mountain slopes; 300–1300 m. Heilongjiang, Henan, ?Hubei, Jilin, Liaoning, Shaanxi, Shandong [Korea, Russia].


无柄溲疏 wu bing sou shu


Petiole very short to absent; leaf blade broadly ovate-lanceolate, glabrous on both surfaces.


2. Deutzia parviflora Bunge, Enum. Pl. China Bor. 31. 1833. 小花溲疏 xiao hua sou shu

Shrubs ca. 2 m tall. Flowering branchlets 3–8 cm, 4–6-leaved, stellate hairy. Petiole grayish brown or gray, 3–8 mm; leaf blade elliptic-ovate or ovate-lanceolate, 3–6(–10) × 2–4.5 cm, papery, abaxially 6–12-rayed stellate hairy, hairs along midvein usually with long central rays, adaxially 5(or 6)-rayed stellate hairy, base broadly cuneate or rounded, margin serrulate, apex acute or acuminate. Inflorescences corymbose, 2–5 cm in diam., usually many flowered; peduncle villous or stellate hairy; pedicels 2–12 mm. Calyx tube cupular, ca. 3.5 × 3 cm, densely stellate hairy; lobes deltoid, shorter than tube, apex obtuse. Petals imbricate, white, broadly ovate or suborbicular, 2.5–7.5 mm, hairy on both surfaces, base attenuate, apex obtuse. Outer stamens 4–4.5 mm; inner stamens 3–4 mm; filaments subulate, toothless or inner ones 2-dentate, teeth (if present) not reaching anthers; anthers stalked, globose. Styles 3, shorter than stamens. Capsule hemispheric, 2–3 mm in diam. Fl. Apr–Jun, fr. Jul–Oct.

Mixed forests and thickets, mountain slopes, valleys; 300–1800 m. Gansu, Hebei, Heilongjiang, Henan, Hubei, Liaoning, Nei Mongol, Shaanxi, Shanxi [Korea, Russia].

1a. Stellate hairs of leaf blade abaxial midvein without long central rays 2c. var. amurensis
1b. Stellate hairs of leaf blade abaxial midvein with long central rays 2a. var. micrantha

2a. Deutzia parviflora var. parviflora

小花溲疏(原变种) xiao hua sou shu (yuan bian zhong) Deutzia corymbosa R. Brown ex G. Don var. parviflora (Bunge) C. K. Schneider; D. parviflora var. mongolica Franchet; D. parviflora var. ovaifolia Rehder.


碎花溲疏 sui hua sou shu


- Mixed thickets, valleys; 1100–1800 m. Hebei, Henan, Shaanxi, Shanxi.

2c. Deutzia parviflora var. shawiana (Zaikonnikova) Zaitseva & Leningrad) 47: 207. 1962;

东北溲疏 dong bei sou shu

Deutzia amurensis (Regel) Airy Shaw; D. parviflora var. bungei Franchet.


- Mixed forests, thickets, mountains; 300–800 m. Jilin, Liaoning.


钻丝溲疏 zuan si sou shu

Shrubs 1–2 m tall. Flowering branchlets red-brown, 6–12 cm, 4–6-leaved, sparsely stellate hairy. Petiole 3–6 mm; leaf blade ovate-lanceolate or broadly lanceolate, 5–10 × 2.5–5.5 cm, papery, abaxially densely 5–8-rayed stellate hairy, hairs with long central rays, adaxially 4- or 5(or 6)-rayed stellate hairy, hairs usually with long central rays, indumentum continuous, base broadly cuneate or subrounded, margin serrulate, apex acute or acuminate. Inflorescences corymbose, 5–8 cm in diam., 60–100-flowered; pedicels ca. 1 mm. Calyx tube ca. 3.5 × 3 mm; lobes ovate or broadly so, shorter than tube. Petals imbricate, pink, broadly obovate, ca. 4.5 × 4 mm. Stamens 4–5 mm; filaments subulate, toothless; anthers shortly stalked. Styles 3, subequaling stamens. Capsule hemispheric, ca. 5 mm in diam. Fl. Apr–Aug.

- Thickets, cliffs, mountain slopes; 1000–2200 m. Gansu, W Hubei, S Shaanxi, Sichuan.

4. Deutzia hypoglauca var. hypoglauca

粉背溲疏 fen bei sou shu (yuan bian zhong)


- Dense forests, thickets, mountain slopes; 1000–2200 m. Gansu, W Hubei, S Shaanxi, Sichuan.

4a. Deutzia hypoglauca var. viridis

青城溲疏 qing cheng sou shu


叶柄溲疏 ye bing sou shu

Leaf blade abaxially green, 3- or 4-rayed stellate hairy. Corolla less than 1 cm in diam. Fl. Mar–May.

- Dense forests; 1800–2500 m. Sichuan.


粉红溲疏 fen hong sou shu

Shrubs ca. 1 m tall. Flowering branchlets red-brown, 4–6 cm, ca. 4-leaved, stellate hairy. Petiole 2–4 mm; leaf blade abaxially greenish, oblong or ovate-oblong, rarely lanceolate, 4–7 × 1.5–3 cm, membranous, abaxially 5- or 6(or 7)-rayed stellate hairy, adaxially 4- or 5-rayed stellate hairy, base broadly truncate or subrounded, margin serrulate, apex acute. Inflorescences cymose, 5–10-flowered, stellate hairy; pedicels slender, 1–2 cm. Calyx tube ca. 4.5 × 4 mm; lobes purple, ovate. Petals imbricate, pink, obovate, 5–10 × 7–8 mm. Outer stamens ca. 7 mm; filaments 2-dentate at apex; anthers borne between filament teeth, shortly stalked. Inner stamens shorter than outer ones; filaments rounded or emarginate at apex; inner anthers borne at middle of filaments abaxially. Styles 3, subequaling stamens. Capsule 4–5 mm in diam. Fl. Apr–Jul, fr. Aug–Oct.

- Thickets, mountain slopes; 2100–3000 m. Gansu, Hubei, Shaanxi, Sichuan.

木里溲疏 mu li sou shu

Shrubs ca. 1.5 m tall. Flowering branchlets brown, 4–9 cm, ca. 6-leaved, sparsely stellate hairy. Petiole 1–2 mm; leaf blade ovate- or elliptic-lanceolate, 1.5–4.5 × 0.8–1.5 cm, papery, abaxially 5–or 6-rayed stellate hairy, adaxially 4–or 5-rayed stellate hairy, base rounded or subtruncate, margin serrulate, apex acuminate. Corymbose cymes 3–5 cm in diam., 11–21-flowered; pedicels robust, 0.8–1.2 cm. Calyx tube ca. 3 × 3.5 mm; lobes ovate-deltoid, shorter than tube. Petals imbricate, pink, broadly obovate or suborbicular, ca. 0.7 × 1.5 cm. Outer stamens 4–5 mm; filaments 2-dentate at apex, teeth ± level with or exceeding anthers; anthers stalked, globose. Inner stamens shorter than outer ones; filaments obtuse at apex; anthers borne at middle of filaments abaxially. Styles 3, subequaling stamens. Capsule unknown. Fl. Jul.

• Mixed forest margins; ca. 3000 m. Sichuan.


密序溲疏 mi xu sou shu

Shrubs 2–3 m tall. Flowering branchlets brown or reddish brown, 10–12 cm, 6–10(–12)-leaved, stellate hairy. Petiole ca. 1 mm; leaf blade ovate-lanceolate or oblong-lanceolate, 1.5–6.5 (–10) × 0.8–2.5 (–4) cm, papery, abaxially 6–8-rayed stellate hairy, hairs of 2 types (numerous, minute, contiguous ones and less numerous, larger ones with long central rays when along leaf veins), base rounded or broadly cuneate, margin serrulate, apex acute or acuminate. Inflorescences terminal, corymbose, 5–10 cm in diam., 20–80-flowered, stellate hairy, hairs with papilliform base; pedicels 3–10 mm. Calyx tube ca. 2.5 × 2 mm; lobes broadly ovate, ca. 1.5 mm. Petals imbricate, pink, broadly obovate or suborbicular, ca. 6 × 5 cm. Outer stamens 4–5 mm; filaments 2-dentate at apex; anthers globose, stalk 1–1.5 mm. Inner stamens 3–4 mm; filaments 2-lobed or acuminate at apex; anther stalks borne at middle of filaments abaxially. Styles 3 or 4, ca. 4 mm. Capsule ca. 4 mm in diam. Fl. May–Aug, fr. Jul–Sep.

• Mixed forest margins; thickets; 2000–3500 m. S Xizang, NW Yunnan [Bhutan, ?Myanmar, Sikkim].


波密溲疏 bo mi sou shu

Deutzia bomiensis var. dinggyensis (J. T. Pan) S. M. Hwang; D. corymbosa R. Brown ex G. Don var. dinggyensis J. T. Pan.

Shrubs ca. 1.5 m tall. Flowering branchlets brownish, 4–9 cm, 6–10-leaved, stellate hairy, hairs with papilliform base. Petiole 1–3 mm; leaf blade ovate or ovate-lanceolate, 10–30 × 5–15 cm, papery, abaxially 8–10(–13)-rayed stellate hairy, adaxially 4–6(or 7)-rayed stellate hairy, indumentum continuous, base broadly cuneate, margin serrulate, apex acute. Inflorescences corymbose, 3–4 cm in diam., 9–40-flowered, stellate hairy, hairs with papilliform base; pedicels ca. 5 mm. Calyx tube 1.5–1.2 mm; lobes broadly ovate, 1–1.7 mm. Petals imbricate, white, ovate or broadly so, ca. 5 × 4 mm, margin erose, apex rounded. Outer stamens 3–4 mm; filaments 2-dentate or truncate at apex, teeth (if present) not reaching anthers; anthers globose, stalk ca. 2 mm. Inner filaments 2–3 mm, apex unequally 2-lobed; anther borne between filament teeth, stalked. Styles 3 or 4, subequaling stamens. Capsule globose, ca. 2.5–3 mm in diam. Fl. Jun, fr. Aug–Oct.

• Forests, thickets, mountain slopes; ca. 2500 m. S Xizang (Bomi Xian, Dinggyê Xian).


细梗溲疏 xi geng sou shu


Shrubs ca. 2 m tall. Flowering branchlets reddish brown, 5–15 cm, 6–8-leaved, stellate hairy, hairs with conical, papilliform base. Petiole 1–4 mm; leaf blade ovate- or oblong-lanceolate, elliptic- or oblong-ovate, or ovate, or 2–8 × 1–4 cm, papery, abaxially densely 8–10(–15)-rayed stellate hairy, adaxially densely 4–6(–8)-rayed stellate hairy, indumentum continuous and grayish, base rounded or broadly cuneate, margin serrulate, apex acuminate or acute. Inflorescences corymbose, 6–12 cm in diam., 20–80-flowered, stellate hairy, hairs with papilliform base; pedicels 3–10 mm. Calyx tube ca. 2 × 2.5 mm; lobes broadly ovate, ca. 2 × 2 mm. Petals imbricate, white, broadly ovate, 6–7 × 5–6 mm. Outer stamens 6–7 mm; filaments 2-dentate at apex; anthers globose, stalks 1–1.5 mm. Inner stamens shorter than outer ones; filaments 2-lobed or truncate at apex; anthers borne near middle of filaments abaxially. Styles 3 or 4, ca. 4 mm. Capsule ca. 4 mm in diam. Fl. May–Aug, fr. Jul–Sep.
Deutzia crenata

• Thickets, mountain slopes; 1000–1700 m. Zhejiang.


Shrubs 1–2 m tall. Flowering branchlets purple-brown, 4–8 cm, 4–6-leaved, stellate hairy. Petiole 2–4 mm, on flowering branchlets less than 2 mm or almost absent; leaf blade oblong, ovate-oblong, or ovate-lanceolate, 4–8 × 1.5–2.5 cm, membranous or subpapery, both surfaces 3–or 4(or 5)-rayed stellate hairy, hairs along veins with long central rays and papilliform base, veins in 7–9 pairs, base subcordate, rounded, or cuneate, margin serrulate, apex acute or acuminate. Cymose panicles 7–10 × 3–5 cm, many flowered; pedicels 3–5 mm. Calyx tube ca. 3 × 5 mm; lobes deltoid, densely 6- or 7-rayed stellate hairy. Petals induplicate, white, oblong, 6–8 × 5–4 mm. Outer stamens 6–8 mm; filaments 2-dentate or shouldered at apex, teeth (if present) not reaching anthers; anthers stalked, ovoid. Inner filaments all 2-dentate at apex. Styles 3 or 4, longer than outer stamens, hairy. Capsule hemispheric, ca. 3 mm. Fl. Apr–May, fr. Aug–Oct.

Deutzia glauca


台灣溲疏 tai wan sou shu


Shrubs 3–5 m tall. Flowering branchlets purplish red, 8–14 cm, 4–6-leaved, stellate hairy. Petiole 6–8 mm, those on flowering branchlets 2–4 mm; leaf blade ovate-oblong or -lanceolate, 5–8 × 2–3 cm, papery or thinly leathery, both surfaces appressed 4- or 5(or 6)-rayed stellate hairy, veins in 4–6 pairs, base cuneate or rounded, margin irregularly serrulate, apex acuminate. Cymose panicles 6–8 × 3–4 cm, many flowered; pedicels 3–5 mm. Calyx tube ca. 2.5 × 3 mm; lobes deltoid, densely 8–12-stellate hairy. Petals induplicate, white, oblong, 9–13 × 3–4 mm. Outer stamens ca. 1.2 cm; filaments 2-dentate at apex, teeth not reaching anthers; anthers borne between filament teeth, stalked, oblong. Inner stamens shorter than outer ones. Styles 3 or 4, longer than outer stamens. Capsule hemispheric, ca. 3.5 mm in diam. Fl. Mar–Jul, fr. Aug–Oct.

• Mixed forests, mountain slopes; 300–2500 m. Taiwan.


黄山溲疏 huang shan sou shu

Shrubs 1.5–2 m tall. Flowering branchlets gray-brown or purplish brown, 8–20 cm, 4–6 leaved, glabrous. Petiole 5–9 mm, glabrous; leaf blade ovate-oblong, -elliptic, or - lanceolate, 5–10 × 2–4.5 mm, papery, abaxially glabrous or rather sparsely 10–16(–18) rayed stellate hairy, adaxially sparsely 5- or 6(–8)-rayed stellate hairy, veins in 4–8 pairs, base cuneate or rounded, margin serrulate, apex acute or acuminate. Panicles narrow, 5–10 × ca. 4 cm, many flowered; pedicels 2–5 mm. Calyx tube sometimes purple spotted, ca. 3 × 4 mm, densely 12–19-rayed stellate hairy, glabrous, or only lobes sparsely stellate hairy; lobes broadly deltoid, ca. 1.5 × 2.5 mm, apex acute. Petals induplicate, white, oblong or narrowly elliptic, 10–15 × 5–6 mm, apex obtuse or acute. Outer stamens ca. 8 mm; filaments 2-dentate at apex, teeth not reaching anthers; anthers borne between filament teeth, stalked, oblong. Inner stamens ca. 5 mm. Styles 3, ca. 1.2 cm. Capsule hemispheric, ca. 4 × 7 mm. Fl. May–Jul, fr. Aug–Sep.

• Mixed forests, mountain slopes, valleys; 600–1200 m.

13a. Deutzia glauca var. formosana formosana (Nakai) Zaikonnikova.


斑萼溲疏 ban e sou shu

Calyx tube purple spotted, glabrous or only lobes sparsely stellate hairy 13b. var. decalvata
13b. Calyx tube unspotted, densely 12–19-rayed stellate hairy 13a. var. glauca

13a. Deutzia glauca var. glauca

黄山溲疏原变种 huang shan sou shu (yuan bian zhong)


• Mixed forests, mountain slopes; 300–1200 m. Anhui, Henan, Hubei, Jiangxi, Zhejiang.


斑萼溲疏 ban e sou shu

Calyx tube purple spotted, glabrous or only lobes sparsely stellate hairy. Fl. Jun–Jul.

• Forests, valleys; ca. 600 m. Zhejiang.

One of the present authors (Ohba) believes that var. decalvata is only an extreme form of Deutzia glauca.


美麗溲疏 mei li sou shu

Deutzia acuminata Merrill; D. bartlettii Yamamoto; D. hayatae Nakai; D. pulchra var. bartlettii (Yamamoto) S. S. Ying; D. pulchra var. formosana Nakai; D. pulchra var. hayatae (Nakai) Zaikonnikova.
Shrubs or small trees 2–3 m tall. Flowering branchlets gray-brown, 10–18 cm, 4–6-leaved, stellate hairy. Petiole 0.5–1.5 cm; leaf blade abaxially grayish green, adaxially greenish, ovate-oblong or oblong, 5–12 × 2.5–4.5 cm, subleathery, abaxially densely 18–22-rayed stellate hairy, indumentum continuous, adaxially sparsely 6–12-rayed stellate hairy, veins in 8–12 pairs, reticulate veins indistinct on both surfaces, base cuneate or subrounded, margin crenate or subentire, apex acuminate. Cymose panicles ca. 15 × 3–4 cm, many flowered; pedicels ca. 8 mm. Calyx tube ca. 2.5 × 5 mm; lobes deltoid, ca. 1 × 1 mm, densely 18–22-rayed stellate hairy. Petals induplicate, white, oblong or narrowly elliptic, 10–12 × 3–4 mm. Outer stamens ca. 1 cm; filaments 2-dentate at apex, teeth horizontal, not reaching anthers; anthers borne between filament teeth, stalked, oblong. Inner stamens shorter than outer ones. Styles 5, longer than stamens. Capsule hemispheric, ca. 4 × 6–7 mm, densely stellate hairy. Fl. Mar–May, fr. Aug–Sep. 2n = 104*.


宁波溲疏 ning bo sou shu
Deutzia chunii Hu; D. ningpoensis f. integrifolia D. T. Liu & J. Han.
Shrubs 1–2.5 m tall. Flowering branchlets red-brown, 10–18 cm, ca. 6-leaved, stellate hairy. Petiole 5–10 mm, those on flowering branchlets 1–2 mm; leaf blade abaxially grayish green, adaxially greenish, ovate-oblong or lanceolate, 3–9 × 1.5–3 cm, papery, abaxially densely 12–15-rayed stellate hairy, indumentum continuous, hairs sometimes with central rays, adaxially sparsely 4–5-rayed stellate hairy, hairs along veins usually with central rays, adaxially sparsely 4- or 5-rayed stellate hairy, veins in 3–5 pairs, base rounded or broadly cuneate, margin serrulate and slightly revolute, apex acuminate or abruptly so. Cymose panicles 5–10 × 3–6 cm, many flowered; pedicels 3–5 mm. Calyx tube ca. 2.5 × 2 mm; lobes ovate, ca. 1.2 × 1 mm, densely yellow-brown stellate hairy. Petals induplicate, white, narrowly elliptic, 0.8–1.5 cm × ca. 6 mm. Outer stamens 8–10 mm; filaments 2-dentate at apex, teeth horizontal, not reaching anthers; anthers borne between filament teeth, stalked, oblong. Inner stamens shorter than outer ones; filaments 2-dentate at apex, rarely ligulate. Styles 3 (or 4), longer than stamens. Capsule hemispheric, ca. 4 mm in diam., sparsely stellate hairy. Fl. Apr–May, fr. Aug–Oct. 2n = 130.

Cultivated, sometimes naturalized. Anhui, Fujian, Hubei, Jiangsu, Shandong, Yunnan, Zhejiang [native to Japan].


长江溲疏 chang jiang sou shu
Deutzia schneideriana var. laxiflora Rehder.
Shrubs 1–2 m tall. Flowering branchlets purplish red, 8–12 cm, 4–6-leaved, sparsely stellate hairy. Petiole 3–4 mm; leaf blade abaxially grayish-ovate-obovate or elliptic-ovate, 3.5–7 × 1.5–3 cm, papery, abaxially 12–15-rayed stellate hairy, indumentum discontinuous, hairs along veins with central rays, adaxially sparsely 5- or 6-rayed stellate hairy, veins in 4–6 pairs, base rounded or broadly cuneate, margin serrulate, apex acute or abruptly acuminate. Cymose panicles 3–15 × 3–4 cm; pedicels 3–8 mm. Calyx tube ca. 3 × 4 mm, densely greenish gray stellate hairy; lobes deltoid, ca. 1 × 1 mm. Petals induplicate, white, oblong, 1–1.2 cm × 4–5 mm, apex acute. Outer stamens 8–10 mm; filaments 2-dentate at apex, teeth not reaching anthers; anthers borne between filament teeth, stalked, oblong. Inner anthers borne between filament teeth or near middle of filaments abaxially. Styles 3, slender, longer than stamens. Capsule grayish brown, hemispheric, 5–7 mm in diam., stellate hairy. Fl. May–Jun, fr. Aug–Oct.
Deutzia baroniana Diels var. insignis Pampanini; D. grandiflora var. glabrata Maximowicz; D. grandiflora var. minor Maximowicz.

Shrubs ca. 2 m tall. Flowering branchlets yellow-brown, very short initially, elongating to ca. 4 cm, 2–4-leaved, stellate hairy, hairs with central rays. Petiole 1–4 mm; leaf blade abaxially grayish, ovate-rhomboid or elliptic-ovate, 2–5.5 × 1–3.5 cm, papery, abaxially appressed 7–11-rayed stellate hairy, indumentum continuous, hairs along veins with central rays, adaxially 4–6-rayed stellate hairy, veins in 5 or 6 pairs, base cuneate or broadly so, margin irregularly serrulate, apex acute. Cymes 1–3 × 1–3 cm, 1–3–(5)-flowered; pedicels 3–12 mm. Calyx tube ca. 2.5 × 4 mm, densely gray-yellow stellate hairy, hairs sometimes with central rays; lobes linear-lanceolate, longer than tube, 1–1.5 mm wide. Petals induplicate, white, oblong or ovate-oblong, ca. 1.5 × 7 mm. Outer stamens 6–7 mm; filaments 2-dentate at apex, teeth horizontal or recurved, falcate; anthers stalked, ovoid-oblong. Inner stamens shorter than outer ones. Styles 3(0 or 4), subequalling stamens. Capsule hemispheric, 4–5 mm in diam., stellate hairy, with persistent, recurved calyx lobes. Fl. Apr–Jun, fr. Sep–Nov.


钩齿溲疏 gou chi sou shu

Shrubs 0.3–1 m tall. Flowering branchlets brownish, 1–4 cm, 2–4-leaved, stellate hairy. Petiole 3–5 mm, stellate hairy; leaf blade ovate-rhomboid or ovate-elliptic, 2–5(–7) × 1.5–3 (–4) cm, abaxially sparsely 5- or 6(0 or 7)-rayed stellate hairy, indumentum discontinuous, hairs along veins with central rays, adaxially 4- or 5-rayed stellate hairy, veins in 4 or 5 pairs, base cuneate or broadly so, margin irregularly serrulate or with alternating large and small teeth, apex acute. Cymes 1–1.5 × 1–1.5 cm, (1 or) 2- or 3-flowered. Calyx tube ca. 2 × 4 mm, densely 4–6-rayed stellate hairy, hairs with central rays; lobes linear-lanceolate, 5–9 mm. Petals induplicate, white, obovate-oblong or lanceolate, 1.5–20 × 5–7 mm. Outer stamens 6–7 mm; filaments 2-dentate at apex, teeth horizontal or recurved, falcate; anthers stalked, oblong. Inner stamens 3.5–4.5 mm. Styles 3 or 4, ca. 1.2 cm. Capsule hemispheric, ca. 4 mm in diam., with persistent, recurved calyx lobes. Fl. Apr–May, fr. Sep–Oct.

• Thickets, mountain slopes; 500–1200 m. Hebei, Henan, Jiangsu, Liaoning, Shaanxi, Shandong, Shanxi.

灌丛溲疏 guan cong sou shu

*Deutzia duminicola* W. Smith; *D. setosa* Zaikonnikova.

Shrubs ca. 2 m tall. Flowering branchlets brown, 1–2(–3) cm, 2–4-leaved; sterile branchlets to 20 cm, 14–16-leaved; all branchlets densely stellate hairy, hairs with papilliform base. Petiole 1–3 mm; leaf blade ovate-oblong, 2–4.5 × 1.5–2 × 0.8–1.8 cm, papery, abaxially densely 5–8(–10)-rayed stellate hairy, adaxially sparsely 4–6(–7)-rayed stellate hairy, veins in 3 or 4 pairs, base rounded or broadly cuneate, margin serrulate, apex obtuse to acute. Cymes 1–2(–3) × ca. 2 cm, (1–)3–5(–11)-flowered; pedicels 3–5 mm. Calyx tube ca. 3 × 3 mm, densely 8–10-rayed stellate hairy; lobes ovate or oblong, ca. 1.5 × 1 mm. Petals induplicate, white, obovate-elliptic, 6–7 × ca. 3 mm. Outer stamens ca. 3.5 mm; filaments 2-dentate at apex, teeth ± level with anthers. Inner stamens ca. 3 mm; filaments acute or irregularly 2-lobed at apex; anthers borne at middle of filaments abaxially, stalked. Styles 3(4), ca. 2 mm. Capsule hemispheric, 3–4 mm in diam., with persistent, erect calyx lobes. Fl. May, fr. Jul–Aug.

• Thickets, mountain slopes; 500–2000 m. Guizhou, Sichuan, Yunnan.


小聚花溲疏 xiao ju hua sou shu

Shrubs ca. 1.5 m. Flowering branchlets 0.5–1 cm, 2–4-leaved. Petiole ca. 2 mm; leaf blade ovate or elliptic-ovate, 2–2.5 × 1–1.3 cm, papery, abaxially slender 4(or 5)-rayed stellate hairy, indumentum continuous, adaxially 3- or 4-rayed stellate hairy, veins in 3 or 4 pairs, base broadly cuneate, margin serrulate, apex acute or acuminate. Corymbose cymes 1.5–2.5 × 2–3 cm, 3–5-flowered; pedicels slender, 1–2 cm. Calyx tube ca. 2.5 × 3 mm, 7–10-rayed stellate hairy; lobes ovate, ca. 1 mm, apex acute. Petals induplicate, white, elliptic or broadly so, 6–7 × 4–5 mm, margin crisped. Outer stamens ca. 3 mm; filaments 2-dentate at apex, teeth slightly exceeding anthers; anthers slightly stalked, ovoid. Inner stamens shorter than outer ones; filaments acuminate at apex, unequally 2-lobed; anthers borne at middle of filaments abaxially, shortly stalked. Styles 3, ca. 3 mm. Capsule unknown. Fl. May.

• Thickets, valleys. E Sichuan (Wuxi Xian).


钝裂溲疏 dun lie sou shu

Shrubs ca. 1.5 m tall. Flowering branchlets red-brown, 6–10 cm, 6–8-leaved. Petiole 2–3 cm; leaf blade abaxially grayish green, ovate or elliptic-ovate, 2–4 × 1.6–1.8 cm, subleathery, abaxially densely 8–11-rayed stellate hairy, indumentum continuous, adaxially sparsely 5–8(or 9)-rayed stellate hairy, veins in 3 or 4 pairs, base broadly cuneate, margin slightly serrate, apex acute. Cymes lax, 5–8 × 3–5 cm, 9–15-flowered; pedicels 1–2 cm. Calyx tube ca. 2.5 × 3 mm; lobes ovate or ovate-deltoid, ca. 1.5 × 1.5 mm, densely 8–11-rayed stellate hairy. Petals induplicate, white, oblong or obovate-elliptic, 7–9 × 2–3 mm. Outer stamens ca. 4 mm; filaments subrounded, shouldered, or 2-lobed at apex, lobes (if present) not reaching anthers; anthers stalked, ovoid. Inner stamens ca. 2 mm; filaments slightly 2-lobed at apex; anthers borne between filament lobes or near apex of filaments abaxially. Styles 3, subequalling stamens. Capsule unknown. Fl. Mar.

• Mixed forests; ca. 2000 m. W Sichuan (Jiulong Xian).

One of the present authors (Ohba) doubts the distinctness of this species.


维西溲疏 wei xi sou shu

*Deutzia monbeigii* var. *lanceolata* S. M. Hwang.

Shrubs 1–1.5 m tall. Flowering branchlets brown, 3–8 cm, 4–6-leaved. Petiole 1–2 mm; leaf blade abaxially grayish green, ovate, ovate-elliptic, or lanceolate, 1–3.5(–5) × 0.3–1.8(–2) cm, subleathery, abaxially densely 11–14-rayed stellate hairy, indumentum continuous, hairs usually with central rays, adaxially scabrous and sparsely 5–8-rayed stellate hairy, hairs usually with papilliform base, veins in 3 or 4 pairs, base broadly cuneate, margin serrulate, apex obtuse, acute, or acuminate. Cymes 3–6 × 3–4 mm, 5–15-flowered; pedicels 5–10 mm. Calyx tube ca. 2.5 × 3 mm, densely stellate hairy; lobes ovate-oblong, ovate, or lanceolate, 1–2 mm, apex acute. Petals induplicate, white, narrowly elliptic or obovate-oblong, 10–12 × 3.5–4 mm, margin entire or crisped. Outer stamens ca. 5 mm; filaments 2-dentate at apex, teeth oblong; anthers stalked, ovoid. Inner stamens shorter than outer ones; filaments acute or 2- or 3-lobed at apex; anthers borne near middle of filaments abaxially. Styles 3 or 4, shorter than stamens. Capsule gray-yellow, hemispheric or subcampanulate, 3–4 mm in diam., with persistent, erect calyx lobes. Fl. May, fr. Sep.

• Thickets; 2000–3000 m. Sichuan, Xizang, Yunnan.


云南溲疏 yun nan sou shu

Shrubs. Flowering branchlets brown, 3–5 cm, ca. 4-leaved, stellate hairy. Petiole 3–5 mm; leaf blade abaxially grayish green, ovate or ovate-oblong, 2–4.5 × 1.2–1.8 cm, papery, abaxially 8–10(or 12)-rayed stellate hairy, hairs usually with long central rays, adaxially 4- or 5-rayed stellate hairy, veins in 3–5 pairs, base broadly cuneate, margin serrulate, apex acute or
acuminate. Cymes or corymbose cymes 2–4 × 1.5–2.5 (–3) cm, 9–12-flowered; pedicels 5–8 cm. Calyx tube ca. 3 × 2.5 mm, densely 12–15-rayed stellate hairy; lobes ovate or ovate-oblong, ca. 2 × 1 mm. Petals induplicate, broadly elliptic, 1–1.2 cm × 5–6 mm, margin crisped. Outer stamens ca. 6 mm; filaments 2-dentate at apex, teeth ± level with anthers; anthers stalked, ovoid or globose. Inner stamens shorter than outer ones; filaments oblong or ligulate, 2- or 3-lobed or obtuse at apex; anthers borne near middle of filaments abaxially. Styles 3, shorter than stamens. Capsule hemispheric, 4–5 mm in diam., with persistent, erect calyx lobes.

- Thickets. NW Yunnan.


短裂溲疏 duan lie sou shu

Shrubs ca. 1 m tall. Flowering branchlets gray-brown, 4–5 cm, ca. 4-leaved, stellate hairy. Petiole 3–5 mm, sparsely stellate hairy; leaf blade abaxially grayish green, ovate or ovate-lanceolate, 1.5–3 × 0.6–1.3 cm, papery, abaxially densely 8–14-rayed stellate hairy, adaxially sparsely 5–7-rayed stellate hairy, base broadly cuneate, margin serrulate, apex acute. Cymes ca. 2 × 3 cm, 6–9-flowered; pedicels 8–10 mm. Calyx tube ca. 2.5 × 3 mm, densely 10–14-rayed stellate hairy; lobes deltoid or ovate-deltoid, 1–1.5 mm. Petals white, obovate or broadly elliptic, ca. 8 × 4 mm, margin crisped, apex obtuse. Outer stamens ca. 4 mm; filaments 2-dentate at apex, teeth ± level with anthers. Inner stamens ca. 3 mm; filaments subacute or unequally 2-lobed at apex; anthers borne near middle of filaments abaxially. Styles 3 (or 4), shorter than stamens. Capsule hemispheric, ca. 3 mm in diam., with persistent, erect calyx lobes. Fl. Mar, fr. Jun.

- Pinus forests, stream banks; 1200–3100 m. Sichuan.


异叶溲疏 yi ye sou shu

Shrubs ca. 2 m tall. Flowering branchlets gray-brown, 4–6 cm, ca. 4-leaved. Petiole 3–4 mm; leaf blade dimorphic: those of basal branchlets suborbicular, 0.8–2.5 × 0.8–2.5 cm, base truncate, margin irregularly serrulate; those of middle and distal branchlets abaxially grayish green, ovate or ovate-lanceolate, 3.5–5 × 1.5–2.5 cm, papery, abaxially densely 8–12-rayed stellate hairy, adaxially sparsely 4–8-rayed stellate hairy, veins in 3 or 4 pairs, base cuneate or broadly so, apex obtuse or acuminate. Corymbose cymes 3–4 × ca. 4 cm, 9-flowered; pedicels slender, 1–1.2 cm. Calyx tube ca. 4 × 4 mm, densely 10–14-rayed stellate hairy; lobes ovate-lanceolate, ca. 3 mm, apex acuminate. Petals valvate, white, elliptic, 1.3–1.4 cm × 8 mm, apex obtuse. Outer stamens ca. 6 mm; filaments 2-dentate at apex, teeth ± level with anthers, obtuse at apex; anthers stalked. Inner stamens ca. 4 mm; filaments 2-lobed at apex; anthers borne at middle of filaments abaxially. Styles 3, shorter than stamens. Capsule unknown. Fl. Aug.

- Mixed forests, valleys; ca. 2300 m. SW Sichuan (Muli Zang Zu Zizhixian).


长柱溲疏 chang zhu sou shu

Deutzia brunoniana Wallich ex G. Don; D. staminea var. brunoniana (Wallich ex G. Don) J. D. Hooker & Thomson; D. staminea var. sikkimensis C. K. Schneider. Shrubs 2–5 m tall. Flowering branchlets 2–5 cm, 2–6-leaved. Petiole 1.5–2.5 mm; leaf blade abaxially grayish green, adaxially green, ovate or narrowly so, 2.5–5 × 1–3.5 cm, papery, abaxially densely 9–14-rayed stellate hairy, indumentum continuous, hairs usually with long central rays, adaxially 4–6-rayed stellate hairy, veins in 4–6 pairs, base rounded or broadly cuneate, margin serrulate, apex obtuse or subacute. Cymes 2–4 cm, 9–25-flowered; pedicels 2–2.5 mm. Calyx tube ca. 3 × 2.5 mm, gray-yellow stellate hairy; lobes ovate or ovate-lanceolate, 1–2 cm, apex acute. Petals induplicate, white, oblong or elliptic, 6–8 × 3–4 mm, apex obtuse. Outer stamens ca. 5 mm; filaments unequally 2-dentate at apex, teeth exceeding anthers; anthers stalked, globose. Inner stamens ca. 2.5 mm; filaments unequally 2- or 3-lobed at apex; anthers borne near apex of filaments abaxially, stalked. Styles 3 or 4, ca. 7 mm. Capsule hemispheric, 3.5–4 mm, with persistent, erect calyx lobes. Fl. Jun, fr. Aug. 2n = 26×.

Thickets, mountain slopes; 2000–3000 m. SW Sichuan (Muli Zang Zu Zizhixian), S Xizang, NW Yunnan [Bhutan, Kashmir, Nepal, Sikkim].


粗齿溲疏 cu chi sou shu

Shrubs ca. 2 m tall. Flowering branchlets 4–6 cm, ca. 4-leaved. Petiole 3–5 mm; leaf blade abaxially grayish green, ovate or elliptic-ovate, 2.5–5 × 1.5–3.5 cm, papery, abaxially densely 8–10-rayed stellate hairy, hairs along veins usually with central rays, adaxially sparsely 4- or 5-rayed stellate hairy, base rounded or broadly cuneate, margin alternately coarsely serrate and serrulate, apex acute; leaf blade on sterile branchlets usually large, margin alternately coarsely serrate and serrulate. Cymes 4–6 × 3–5 cm, 5–15-flowered; pedicels 0.8–1.2 cm. Calyx tube grayish, ca. 3 × 2.5 cm, densely 12–15-rayed stellate hairy; lobes ovate-lanceolate, ca. 2 × 1 mm. Petals induplicate, white, obovate or elliptic, 6–10 × 4–5 mm, apex obtuse or acute. Outer stamens ca. 4 mm; filaments 2-dentate at apex, teeth ± level with anthers, obtuse at apex; anthers subovoid or globose. Inner stamens ca. 3 mm; filaments 2- or 3-lobed at apex; anthers borne near apex of filaments abaxially. Styles 3 or 4, 4.5–5 mm. Capsule obconical or obcampanulate, 3–4 × ca. 3 mm, with persistent, recurved calyx lobes. Fl. Jul–Sep.

- Thickets, stream banks; 2000–2300 m. Sichuan.
One of the present authors (Ohba) believes that this species may be synonymous with Deutzia staminosa.


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1b. Leaf blade 3–5 × 1–1.2 cm; corolla 1.5–2 cm in diam.; calyx tube ca. 3.5 × 3 mm, lobes deltoid or long deltoid, shorter than tube. ... 38b. var. pingwuensis

38a. Deutzia longifolia var. longifolia

Deutzia longifolia var. elegans Rehder; D. longifolia var. veitchii Rehder.

Leaf blade 5–11 × 1.5–4 cm. Calyx tube ca. 4.5 × 4 mm; lobes lanceolate or oblong-lanceolate, subequalling tube. Corolla 2–2.4 cm in diam. Fl. Jun–Aug, fr. Sep–Nov.

- Forests, thickets, mountain slopes; 1800–3200 m. Gansu, Guizhou, Sichuan, NE Yunnan.


平武溲疏 ping wu sou shu

Leaf blade 3–5 × 1–1.2 cm. Calyx tube ca. 3.5 × 3 mm; lobes deltoid or long deltoid, shorter than tube. Corolla 1.5–2 cm in diam.

- Thickets, mountain slopes, stream banks; 2300–2900 m. Sichuan, Yunnan.


鳞毛溲疏 lin mao sou shu

Deutzia longifolia Franchet var. densitomentosa P. He & L. C. Hu.

Shrubs 1–2 m tall. Flowering branchlets 5–15 cm, 4–6-leaved. Petiole 3–5 mm; leaf blade abaxially grayish, lanceolate or elliptic-lanceolate, 5–8 × 1–1.5 cm, leathery, abaxially densely 12–16-rayed stellate hairy, indumentum continuous, hairs without long central rays, adaxially sparsely 6–8-rayed stellate hairy, veins in 4 or 5 pairs, base cuneate, margin serrulate, apex acuminate. Cymes aggregate, 4.5–5 × 3–6 cm, 9–18-flowered; pedicels 1–1.5 cm. Calyx purplish; tube ca. 3 × 3 mm, densely 12–18 rayed stellate hairy; lobes ovate-lanceolate, subequalling tube, leathery, midvein prominent. Petals induplicate, pink, obovate-elliptic, 8–10 × 4–6 mm. Outer stamens ca. 6 mm; filaments 2-dentate at apex, teeth exceeding anthers; anthers stalked, oblanceolate. Inner stamens shorter than outer ones; filaments acute at apex; anthers borne near middle of filaments abaxially. Styles 3, subequalling stamens. Capsule brown, hemispheric, ca. 5 mm in diam., with persistent, recurved calyx lobes. Fl. Jun.

- Mixed forests; ca. 2000 m. S Sichuan (Leibo Xian).


中甸溲疏 zhong dian sou shu

Shrubs ca. 1 m tall. Flowering branchlets 18–22 cm, ca. 6-leaved, Petiole 5–10 mm; leaf blade abaxially brownish, ovate, 5–10 × 2–5 cm, leathery, abaxially densely 8–10(–12)-rayed stellate hairy, hairs along veins with central rays, adaxially sparsely 4- or 5-rayed stellate hairy, hairs in 4 or 5 pairs, prominently elevated abaxially, base rounded, rarely broadly cuneate, margin serrulate, apex acuminate. Paniculate cymes 6–7 × 5–6 cm, many flowered; pedicels 2–4 mm. Calyx tube ca. 3 × 4 mm, densely 10–12-rayed stellate hairy; lobes oblong-lanceolate, 4–5 mm, leathery. Petals induplicate, white, obovate or elliptic, 7–8 × 4–5 mm, margin crisped, apex obtuse. Outer stamens 6–7 mm; filaments 2-dentate at apex, teeth ± level with anthers, obtuse at apex; anthers stalked, oblanceolate. Inner stamens 4–5 mm; filaments obtuse or 2- or 3 lobed at apex; anthers borne near middle of filaments abaxially. Styles 3, shorter than stamens. Capsule unknown.

- Thickets; 2100–3500 m. NW Yunnan (Zhongdian Xian).


南川溲疏 nan chuan sou shu

Deutzia jinyangensis P. He & L. C. Hu.

Shrubs 1.5–2.5 m tall. Flowering branchlets purplish, 5–8 cm, 4–6-leaved. Petiole 2.5–5(–10) mm; leaf blade abaxially yellowish brown, oblong-lanceolate or lanceolate, 5–7(13) × 1.6–3(–4.5) cm, thinly leathery or papery, adaxially sparsely appressed 7–9(–13)-rayed stellate hairy, indumentum discontinuous, hairs along veins with central rays, adaxially sparsely 4–6-rayed stellate hairy, veins in 5 or 6 pairs, base cuneate or broadly so, margin serrulate, apex acute or abruptly acuminate. Cymes 3–8 × 4–7 cm, 15–50-flowered; pedicels 3–14 mm. Calyx purplish; tube ca. 3.5 × 3 mm, gray stellate hairy; lobes lanceolate or elliptic-lanceolate, 3.5 mm, leathery, midvein prominent. Petals induplicate, pink, oblong, 1–1.2 cm × 4–5 mm, margin crisped, apex rounded or acute. Outer stamens 6–7 mm; filaments 2-dentate at apex, teeth ± level with or exceeding anthers; anthers stalked. Inner stamens shorter than outer ones; filaments 2-lobed or obtuse at apex; anthers borne near middle of filaments abaxially. Styles 3, subequalling stamens. Capsule brown, hemispheric, ca. 4 mm, with persistent, recurved calyx lobes. Fl. Jun.

- Forests, mixed thickets, mountain slopes. SE Sichuan, NE Yunnan.


紫花溲疏 zi hua sou shu

Deutzia discolor Hemsley var. purpurascens Franchet ex L. Henry, Jardin 8: 147. 1894.

Shrubs 1–2 m tall. Flowering branchlets 5–12 cm, 2–4-leaved. Petiole 2–6 mm; leaf blade abaxially greenish, broadly ovate-lanceolate or ovate-oblong, 4–9.5 × 2–2.8 cm, thinly leathery or papery, abaxially sparsely 4–8(–10)-rayed stellate hairy, hairs along veins with
central rays, adaxially sparsely 3–5-rayed stellate hairy, hairs with central rays, veins in 4 or 5 pairs, base broadly cuneate or rounded, margin serrulate, apex acuminate, rarely acute. Corymbose cymes 4–6 × 5–7 cm, 3–12-flowered; pedicels 0.5–3 cm. Calyx tube 2.5–3.5 × ca. 4 mm; lobes lanceolate or oblong-lanceolate, 4–4.5 mm, leathery. Petals induplicate, pink, obovate or oblong, 1.2–1.7 cm × 5–8 mm, apex obtuse. Outer stamens 5–8 mm; filament teeth exceeding anthers; anthers stalked, oblong. Inner stamens shorter than outer ones; filaments 2-lobed at apex; anthers borne near middle of filaments abaxially. Styles 3 or 4, subequaling stamens. Capsule globose, ca. 4 mm in diam., with persistent, recurved calyx lobes. Fl. Apr–Jun, fr. Jul–Aug.


大萼溲疏 da e sou shu
Shrubs ca. 2 m tall. Flowering branchlets purplish brown, 5–7.5 cm, 2–4-leaved. Peltiole 3–5 mm; leaf blade abaxially grayish green or gray, adaxially greenish, ovate-lanceolate, ovate-oblong, ovate, or broadly ovate, 1.5–8–10 × 0.8–3.5 (–4.5) cm, leathery, papery, or thinly papery, abaxially sparsely 7–10–12-rayed stellate hairy, adaxially sparsely 4–6-rayed stellate hairy, hairs sometimes with central rays on both surfaces, veins in 5 or 6 pairs, base rounded or broadly cuneate, margin sparsely serrate or densely serrulate, apex acuminate. Corymbose cymes aggregate or spreading, 3–4 × 4–5 cm, 9–12-flowered; peduncle elongate and slender, sometimes obscure; pedicels 0.5–1.5(–2) cm. Calyx tube 3–3.5 × 3.5–4 mm, densely 8–10-rayed stellate hairy; lobes lanceolate or oblong-lanceolate, 5–8 × ca. 1.5 mm, membranous. Petals induplicate, white or pink, ovate-oblong, 0.8–1.5 × 0.4–1 cm. Outer stamens 6–8 mm; filaments 2-dentate at apex, teeth spreading, ± level with anthers. Inner stamens shorter than outer ones; filaments obtuse, acuminate, or 2-lobed, at apex; anthers borne near middle of filaments abaxially. Styles 3 or 4, subequaling stamens. Capsule globose, ca. 4 mm in diam., with persistent, recurved calyx lobes. Fl. Mar–Apr, fr. Jul–Aug.

• Mixed forests, forest margins, thickets, mountain slopes; 1400–3000 m. SW Sichuan, Yunnan.

1a. Leaf blade papery or leathery; petals
1.2–1.5 × 0.8–1.1 cm ............ 43c. var. macropetala

1b. Leaf blade thinly papery; petals
0.8–1.2 × 0.4–0.8 cm.

2a. Leaf blade ovate-lanceolate or ovate-oblong, 5–8(–10) × 1.2–3.5(–4.5) cm, margin sparsely serrate ....... 43a. var. calycosa

2b. Leaf blade ovate or broadly so,
1.5–2.7 × 0.8–1.2 cm, margin densely serrulate .............. 43b. var. xerophyta

43a. Deutzia calycosa var. calycosa
大萼溲疏(原变种) da e sou shu (yuan bian zhong)
Deutzia calycosa var. brachytricha Handel-Mazzetti; D. calycosa var. longisepala Zaikonnikova.

Leaf blade ovate-lanceolate or ovate-oblong, 5–8(–10) × 1.2–3.5(–4.5) cm, thinly papery, margin sparsely serrate. Petals 0.8–1.2 × 0.4–0.8 cm. Fl. Mar–Apr, fr. Jul–Aug.

• Mixed forests, thickets, mountain slopes; 2000–3000 m. SW Sichuan, W Yunnan.


旱生溲疏 han sheng sou shu
Deutzia longifolia Franchet var. xerophyta Handel-Mazzetti, Symb. Sin. 7: 440. 1931; D. glomeruliflora Franchet var. xerophyta (Handel-Mazzetti) Zaikonnikova.

Leaf blade ovate or broadly so, 1.5–2.7 × 0.8–1.2 cm, thinly papery, margin densely serrulate. Petals 0.8–1.2 × 0.4–0.8 cm.

• Forest margins, thickets; 1400–1900 m. SW Sichuan (Yanyuan Xian).


大瓣溲疏 da ban sou shu
Deutzia longifolia var. grandiflora Franchet ex H. Léveillé; D. longifolia var. macropetala (Rehder) Zaikonnikova.

Leaf blade papery or leathery, abaxially stellate hairy, hairs without central rays. Calyx similarly stellate hairy. Petals 1.2–1.5 × 0.8–1.1 cm.

• Forests; 1400–2300 m. Yunnan.


厚叶溲疏 hou ye sou shu
Deutzia crassifolia var. pauciflora (Rehder) S. M. Hwang; D. pauciflora (Rehder) Zaikonnikova; D. purpurascens (Franchet ex L. Henry) Rehder var. pauciflora Rehder.

Shrubs semievergreen, 1–3 m tall. Flowering branchlets 2–4 cm, stellate hairy, hairs with papilliform base. Peltiole 1–5 mm; leaf blade abaxially red-brown, adaxially green, ovate or oblong-ovate, 1.5–9 × 1–4.5 cm, leathery or papery, abaxially 5–8-rayed stellate hairy, adaxially reticulate rugose when dry, 4- or 5-rayed stellate hairy, veins in 5 or 6 pairs, elevated abaxially, impressed adaxially, base rounded, margin thorny serrate or serrulate, apex acuminate. Cymes 2–3 × 3–4 cm, 1–35-flowered; pedicels 3–10 mm. Calyx tube gray-green, ca. 3.5 × 2.5 mm, appressed 7- or 8-rayed
stellite hairy; lobes ovate or deltoid, rarely ovate-oblh, 1.5–2 × ca. 2 mm, apex obtuse or acute. Petals induplicate, white, elliptic or oblong, 6–8 × 3–5 mm. Outer stamens 5–6 mm, filaments 2-dentate at apex, teeth ± level with or exceeding anthers. Inner stamens 4–5 mm; anthers borne near middle of filaments abaxially, stalked. Styles 3 or 4, 2.5–3 mm, glabrous. Capsule dark gray, subglobose, ca. 4 mm in diam., with persistent, incurved calyx lobes. Fl. Mar–Apr, fr. May–Jun.


多辐线溲疏 duo fu xian sou shu

*Deutzia nitidula* W. T. Wang.

Shrubs ca. 3 m tall. Flowering branchlets purplish brown, terete, 4–12 cm, 4–6-leaved. Pediole 3–5 mm; leaf blade abaxially grayish, adaxially glossy, ovate-lanceolate or ovate, 3.5–5.5 × 1.7–2.3 cm, leathery, abaxially densely 8–16-rayed stellite hairy, indumentum continuous, adaxially 5–7-rayed stellite hairy, veins in 4 or 5 pairs, reticulate veins sparsely conspicuous on both surfaces, base rounded or broadly cuneate, margin sparsely serrulate or slightly revolute, apex acuminate or caudate. Cymes 3–4 × 3–4.5 cm, 12–19-flowered; pedicles 3–6 mm. Calyx tube ca. 2.5 × 3 mm, densely 12–16-rayed stellite hairy; lobes deltoid, ca. 1 × 1 mm. Petals induplicate, white, oblong, ca. 6 × 3 mm. Outer stamens ca. 4 mm; filaments 2-dentate at apex, ± level with anthers. Inner stamens ca. 3.5 mm; anthers borne near middle of filaments abaxially, stalked. Styles 3, ca. 3.5 mm. Capsule unknown. Fl. Apr–Jun.

- Mixed forests, mountain slopes, roadsides; 500–1600 m. SE Sichuan (Nanchuan Xian).


革叶溲疏 ge ye sou shu

Shrubs ca. 1 m tall. Flowering branchlets grayish brown or yellow-brown, angular, glabrous. Petiole 5–7 mm; leaf blade abaxially yellow-green, adaxially glossy, ovate or ovate-lanceolate, 3–5.5 × 2–3 cm, leathery, abaxially sparsely 5–7-rayed stellite hairy, adaxially glabrous or sparsely 4- or 5-rayed stellite hairy, veins in 4–6 pairs, base rounded or broadly cuneate, margin thorny serratiate and slightly revolute, apex acuminate or caudate. Flowers unknown. Fruiting cymes ca. 3 × 2 cm, 9–18-fruited. Capsule globose, ca. 4 mm, with persistent, incurved or erect calyx lobes; pedicel 1–1.5 cm. Fl. Jun.

- Thickets, mountain slopes, calcareous soils; ca. 600 m. E Sichuan (Wuxi Xian).


褐毛溲疏 he mao sou shu


Shrubs 1–1.8 m. Flowering branchlets 6–8 cm, 4–6-leaved, stellite hairy, hairs with long central rays. Petiole 1–3 mm; leaf blade abaxially greenish, ovate, ovate-lanceolate, or oblong-ovate, 3.9–5.5 × 1.5–5 cm, papery, abaxially 6–7 or (8)–rayed stelled hairy, hairs with long central rays, adaxially 4–or 5–(6)–rayed stelled hairy, veins in 3 or 4 pairs, reticulate veins slightly sparse, elevated abaxially, base rounded or broadly cuneate, margin serrulate, apex acuminate or caudate. Corymbose cymes 3–5 × 4–6 cm, 3–4-flowered; pedicels 3–10 mm. Calyx tube ca. 3 × 3.5 mm, densely 8–12-rayed stelled hairy, hairs with central rays; lobes ovate or ovate-lanceolate, 1.5–4 mm, apex acute or acuminate. Petals induplicate, white, ovate-oblong, 8–10 mm. Outer stamens 4–5 mm; filaments 2-dentate at apex, teeth spreading, exceeding anthers. Inner stamens 3–4 mm; filaments 2-lobed or acuminate at apex; anthers borne near middle on filaments abaxially. Styles 3(or 4), ca. 2.5 mm. Capsule subglobose, ca. 5 mm in diam., with persistent, incurved calyx lobes. Fl. Apr–May, fr. Jun–Aug.

- Forest margins, mountain slopes; 400–2000 m. Gansu, Guizhou, Shaanxi (Qin Ling), Sichuan, Yunnan.


狭叶溲疏 xia ye sou shu


Shrubs 1–2 m tall. Flowering branchlets purple, 8–11 cm, 4–6-leaved, sparsely stelled hairy. Petiole 3–4 mm; leaf blade abaxially greenish, lanceolate or narrowly so, 2.5–4.5 cm × 4–6(–12) mm, papery, abaxially 5–7-rayed stelled hairy, indumentum discontinuous, adaxially sometimes rugose, sparsely 4(or 5)-rayed stelled hairy, hairs in 4 or 5 pairs, base cuneate, margin serrulate, apex acuminate or narrowly so. Cymes 1.5–5 × 2–3 cm, 3–5(–9)–flowered; peduncle slender; pedicels 4–8 (–15) mm. Calyx tube ca. 4 × 4 mm, densely 4–8–rayed stelled hairy; lobes deltoid, 1–2 mm. Petals induplicate, white, ovate-oblong, 5–8 × 4–5 mm. Outer stamens 4–5 mm; filament teeth exceeding anthers; anthers stalked, globose. Inner stamens 3–4 mm; filaments acuminate or unequally 2- or 3-lobed at apex; anthers borne near middle of filaments abaxially. Styles 3(or 4), ca. 2.5 mm. Capsule subglobose, ca. 5 mm in diam., with persistent, incurved calyx lobes. Fl. Apr–May, fr. Sep–Oct.

- Mixed forests, mountain slopes; 1000–2000 m. C Guizhou (Guiyang Shi).

灰叶溲疏  hui ye sou shu
Shrubs ca. 2 m tall. Flowering branchlets 2–6(–20) cm, 4–6-leaved. Petiole 3–5 mm; leaf blade abaxially grayish green, ovate or ovate-oblong, 3–9 × 1.5–4 cm, papery, abaxially densely 5- or 6-rayed stellate hairy, hairs along veins with central rays, adaxially slightly rugose, 4- or 5(or 6)-rayed stellate hairy, veins in 6–8 pairs, reticulate veins conspicuously elevated abaxially, base rounded or subcordate, margin serrulate, apex acuminate. Cymes aggregate, 1.5–8 × 3–10 cm, 12–100-flowered; pedicels 1–2 mm. Calyx purple; tube ca. 3 × 3 mm; lobes ovate-deltoid or ovate, 1–1.5 mm, apex acute or acuminate. Petals induplicate, white, ovate-oblong, 3–4.5 mm, margin erose. Outer stamens 2–2.5 mm; filament teeth ± level with anthers; anthers stalked, ovoid. Inner stamens shorter than outer ones; filaments obtuse, erose, or 2-lobed at apex; anthers borne near middle or near apex of filaments abaxially. Styles 3, 2–2.5 mm, subequaling stamens. Capsule unknown.


四川溲疏  si chuan sou shu
Shrubs ca. 2 m tall. Flowering branchlets brown or yellow-brown, 8–12(–20) cm, 4–6-leaved. Petiole 3–5 mm; leaf blade abaxially yellow-green or greenish when dry, ovate, ovate-oblong, or lanceolate, 3–8 × 1–5 cm, papery or membranous, abaxially 4–7(or 8)-rayed stellate hairy, hairs with papilliform base, adaxially 3–5(or 6)-rayed stellate hairy, hairs rarely with central rays, veins in 3 or 4 pairs, conspicuously elevated abaxially, base rounded or broadly cuneate, margin serrulate, apex acuminate. Cymes few to many branched, 1.5–6 × 2–8 cm, 6–50-flowered; peduncle slender; pedicels 3–10 mm. Calyx tube ca. 3 × 3 mm, densely 10–12-rayed stellate hairy; lobes broadly deltoid, ca. 1.5 × 2–3 mm, apex acute. Petals induplicate, white, ovate-oblong, 5–12 × 2–3 mm. Outer stamens 5–6 mm, filament teeth spreading, oblong or lanceolate, ± level with or exceeding anthers.Inner stamens shorter than outer ones; filaments 2-lobed at apex; anthers borne near middle of filaments abaxially. Styles 3. Capsule globose, 4–5 mm in diam., with persistent, incurved calyx lobes. Fl. Apr–Jul, fr. Jun–Sep.

50a. Deutzia setchuenensis  var. setchuenensis
四川溲疏(原变种)  si chuan sou shu (yuan bian zhong)
Deutzia bodinieri Rehder; D. cyanocalyx H. Léveillé; D. leiboensis P. He & L. C. Hu; D. pilosa Rehder var. ochrophloenos Rehder.


长齿溲疏  chang chi sou shu
Cymes few branched, 1.5–4 × 2–5 cm, 6–12-flowered. Outer filament teeth lanceolate, exceeding anthers. Fl. Apr–Jul.


多花溲疏  duo hua sou shu
Deutzia corymbiflora  Lemoine ex André, Rev. Hort. 69: 401. 1898; D. fargesii Franchet.


2b. Outer filament teeth lanceolate, exceeding anthers .......... 50b. var. longidentata