

37. HOSTA Trattinnick, Arch. Gewächsk. 1: 55. 1812, nom. cons.

玉簪属 *yu zan shu*

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Herbs perennial, rhizomatous. Rhizome horizontal, large, sometimes with stolons. Leaves numerous, basal, spiral, long petiolate. Scape terminal, usually with a few bractlike cauline leaves. Inflorescence a terminal raceme, few to many flowered; bracts green or white. Flowers bisexual, solitary, rarely in clusters of 2 or 3; pedicel short. Perianth white to blue or lavender, tubular-campanulate or nearly funnelform; segments 6, connate. Stamens 6, free or rarely adnate to perianth tube near base; filaments filiform; anthers dorsifixed, introrse, dehiscent longitudinally. Ovary 3-loculed; ovules many per locule. Style filiform; stigma capitate, small. Fruit a loculicidal capsule. Seeds many, black.

About 45 species: mainly in Japan, a few species in China, Korea, and Russia; four species (three endemic) in China.

- 1a. Perianth white, 10 cm or more; flowers fragrant, subtended by 2 bracts; filaments adnate to perianth tube near base; capsule ca. 6 cm 1. *H. plantaginea*
- 1b. Perianth purplish red, purple, or white with purple streaks, 4–6.5 cm; flowers not fragrant, subtended by 1 bract; filaments free; capsule less than 6 cm.
 - 2a. Petiole winged at least in distal 1/2, wings 2–5 mm wide; bracts 0.5–0.7 cm 4. *H. ensata*
 - 2b. Petiole scarcely winged; bracts 1–3.5 cm.
 - 3a. Plants green, glabrous, not white powdery; base of leaf blade usually cordate or truncate; perianth purple-red; bracts 1–2 cm 2. *H. ventricosa*
 - 3b. Plants white powdery particularly on abaxial surface of leaves; base of leaf blade cuneate; perianth white, with purple streaks; bracts 1–3.5 cm 3. *H. albofarinosa*

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1. *Hosta plantaginea* (Lamarck) Ascherson, Bot. Zeitung (Berlin) 21: 53. 1863.

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Hemerocallis plantaginea Lamarck, Encycl. 3: 103. 1789;
Hosta plantaginea f. *stenantha* F. Maekawa.

Plants green, glabrous. Rhizome 1.5–2 cm thick, stout. Petiole 20–40 cm; leaf blade ovate-cordate, -orbicular, or ovate, 14–25 × 8–16 cm, glabrous, veins in 6–10 pairs, base cordate, margin slightly undulate, apex abruptly acute. Scape 40–80 cm. Raceme several to more than 10-flowered; bracts 2 subtending each flower, outer one ovate or lanceolate, 2.5–7 × 1–1.5 cm, inner one very small. Flowers solitary or sometimes in clusters of 2 or 3, fragrant; pedicel ca. 1 cm. Perianth white, funnelform, 10–13 cm. Stamens slightly shorter than or subequaling perianth; filaments adnate to perianth tube near base. Capsule cylindrical, ca. 6 × 1 cm, 3-angled. Fl. and fr. Aug–Oct. $2n = 60^*$.

• Forests, grassy slopes, rocky places; near sea level to 2200 m. Anhui, Fujian, Guangdong, Guangxi, ?Hebei, Hubei, Hunan, Jiangsu, ?Liaoning, ?S Shaanxi (Qin Ling), Sichuan, ?Yunnan, ?Zhejiang.

Widely cultivated as an ornamental.

2. *Hosta ventricosa* (Salisbury) Stearn, Gard. Chron., ser. 3, 90: 27. 1931.

紫萼 zi e

Bryocles ventricosa Salisbury, Trans. Hort. Soc. London 1: 335. 1812.

Plants green, glabrous. Rhizome 0.3–1 cm thick, stout. Petiole 6–30 cm; leaf blade ovate-cordate, -orbicular, or ovate, 4–19 × 4–17 cm, glabrous, veins in 7–11 pairs, base subcordate or subtruncate, very rarely slightly cuneate, apex abruptly acute or nearly shortly caudate. Scape 60–100 cm. Raceme 10–30-flowered; bracts 1 subtending each flower, white, oblong-lanceolate, 1–2 cm, membranous. Flowers solitary, not fragrant; pedicel 7–10 mm. Perianth purple-red, funnelform, 4–6 cm. Stamens slightly longer than perianth, exserted; filaments free. Capsule cylindrical, 2.5–4.5 cm × 6–7 mm, 3-angled. Fl. and fr. Jun–Sep. $2n = 60^*$, ca. 102*.

• Forests, grassy slopes, hillsides; 500–2400 m. Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan.

Widely cultivated as an ornamental.

3. *Hosta albofarinosa* D. Q. Wang, Guihaia 9: 297. 1989.

白粉玉簪 bai fen yu zan

Plants white powdery. Petiole 14–20 cm; leaf blade ovate to narrowly so, 13–30 × 6–9 cm, abaxially strongly white powdery, veins in 5–7 pairs, base cuneate, apex acuminate. Scape 40–45 cm. Raceme usually ca. 10-flowered; bracts 1 subtending each flower, greenish white, ovate or lanceolate, 1–3.5 × 0.6–1.1 cm. Flowers solitary, not fragrant; pedicel ca. 1 cm. Perianth white with purple streaks, funnelform, ca. 5.5 cm. Stamens subequaling or slightly longer than perianth; filaments free. Style ca. 5 cm, exserted. Fl. Jun.

• Grassy slopes; ca. 800 m. SE Anhui (Xiuning Xian).

4. *Hosta ensata* F. Maekawa, J. Jap. Bot. 13: 900. 1937.

东北玉簪 dong bei yu zan

Hosta clausa Nakai var. *ensata* (F. Maekawa) W. G. G. Schmid; *H. clausa* var. *normalis* F. Maekawa; *H. ensata* var. *foliata* P. Y. Fu & Q. S. Sun; *H. ensata* var. *normalis* (F. Maekawa) Q. S. Sun.

Plants green, glabrous. Rhizome ca. 1 cm thick, stout, usually with a long, creeping stolon. Petiole 5–25 cm, winged at least in distal 1/2, wings 2–5 mm wide; leaf blade oblong-lanceolate to ovate-elliptic, 10–15 × 2–7 cm, glabrous, veins in 5–8 pairs, base cuneate or obtuse, apex subacuminate. Scape 33–55 cm. Raceme several to more than 20-flowered; bracts 1 subtending each flower, broadly lanceolate, 0.5–0.7 cm, membranous. Flowers solitary; pedicel 5–10 mm. Perianth purple, sub-funnelform, 4–4.5 cm. Stamens slightly exserted; filaments free. Fl. Aug.

Forest margins, moist places; near sea level to 500 m. S Jilin, S Liaoning [Korea, Russia].

