

## Vascular Plants of Williamson County

*Eysenhardtia texana* – TEXAS KIDNEYWOOD [Fabaceae]

*Eysenhardtia texana* Scheele, TEXAS KIDNEYWOOD. Shrub, winter-deciduous, unarmed, to 400 cm tall; shoots often 2-dimensional (plagiotropic), short-hairy, gland-dotted with blisterlike glands especially on lower surfaces of leaves and strongly odorous (by some foul-smelling). **Stems:** ± cylindric, with 3 ridges descending a short distance from each leaf, tough, often reddish purple, having persistent, enlarged leaf bases, short-hairy.

**Leaves:** helically alternate, odd-1-pinnately compound with 15–47 leaflets in mostly subopposite pairs 3–5 mm apart, the shortest leaflets at the base, petiolate with pulvinus, with stipules; stipules 2, attached to leaf base just below pulvinus and abscission constriction, linear above base, < 2.5 mm long, densely puberulent, typically abscising early; petiole 4–6 mm long, pulvinus barrel-shaped and ca. 1 mm long, above pulvinus channeled and short-hairy; rachis channeled, on upper side ridges with evenly spaced minute projections, sides with fine, short hairs; stipels attached to base of petiolule 2, the stipel on upper side arising from ridge, ca. 0.3 mm long, purple-red, with short hairs, the stipel on the lower side narrowly conic and glandlike, ca. 0.4 mm long, yellow-green; petiolule = pulvinus, 0.5–0.6 mm long; blades of leaflets broadly elliptic or somewhat obovate, 3.5–8(–12) × 2.5–4 mm, rounded at base, entire, rounded to truncate at tip, 3-veined just above base and with midrib slightly raised on lower surface and with netlike minor venation, with scattered, appressed, fine short hairs, upper surface flat, lower surface gland-dotted with evenly spaced, blisterlike glands, paler than upper surface.

**Inflorescence:** raceme, terminal, to 60 × 12 mm, with many flowers alternate and subopposite or some in pseudowhorls to 6 flowers, bracteate, short-hairy; peduncle low-ridged, to 7 mm long; rachis conspicuously ridged having a ridge descending from each bractlet; bractlet awl-shaped, at base of raceme to 1.5 mm long and above ± 1 mm long; pedicel short and increasing 2× in fruit, lacking bracteoles at top. **Flower:** bisexual, bilateral, modified pealike (papilionaceous), 4–5 mm across, ca. 5.5 mm long, with sweet fragrance; **calyx** unequally 5-lobed, 2.5–3 mm long, light green, short-hairy to puberulent; tube funnel-shaped, longer on lower side, oblique-truncate at base, having the deepest sinuses on sides between upper 3 lobes and lower 2 lobes, with blisterlike glands; lobes ± deltate, 0.2–0.3 mm long, the lower lobes overlapping; **petals** 5, unequal, with slightly wider banner and lacking a keel, ± clawed (except banner), claw to 1.5 mm long, banner oblanceolate (oblong), ca. 5.2 × 1.5 mm, white with pale purple markings below midpoint, glabrous, other petals ca. 4.5 × 1.2 mm (including claw), < banner, white; **stamens** 10, diadelphous (9 fused + 1 free), exserted; filament sheet to 3.8 mm long, free portions of filaments alternately short and longer, to 1 mm long, white, glabrous; anthers dorsifixed, dithecal, 0.3–0.4 mm long, the shorter filaments with the longer anther, light yellow, longitudinally dehiscent; pollen light yellow; **pistil** 1, 4.5–5.2 mm long, not stalked; ovary superior, obovoid compressed side-to-side, < 1 × 0.6 mm, green, glands inconspicuous but developing in fruit, 1-chambered with 2 ovules; style cylindric but with swelling on outer side where bent approaching stigma, ca. 4.5 mm long, green, glabrate; stigma capitate and hemispheric, diagonally oriented, ca. 0.3 × 1.2–1.5 mm, green. **Fruit:** pod (legume), dry, in range indehiscent, typically 1-seeded, when young appearing hatchet-shaped maturing canoe-shaped and curved upward, 6.5–8 × 1.8–2.5 mm also with persistent short beak

(lower style) and often the dried style, light brown, leathery, bulging at seed, sparsely short-hairy, gland-dotted with blisterlike glands mostly above midpoint, the glands darker than wall and golden brown or aging red-brown; calyx persistent and appressed, short-hairy and gland-dotted; pedicel  $\pm$  appressed. **Seed:** lanceoloid (oblong) and often curved somewhat like fruit, ca.  $4.5 \times 1.5$  mm, brown, with circular hilum 1 mm from tip.

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