

## Vascular Plants of Williamson County

*Descurainia pinnata* subsp. *pinnata* – PINNATE TANSYMUSTARD [Brassicaceae]

*Descurainia pinnata* (Walter) Britt. subsp. *pinnata*, PINNATE TANSYMUSTARD. Annual, feathery, taprooted, rosetted, 1-stemmed at base, branched or not in canopy, erect to suberect, 30–90 cm tall; shoots with finely dissected basal leaves and cauline leaves, densely pubescent with branched nonglandular hairs (dendritic) and stalked colorless glandular hairs having well-defined heads, strongly scented. **Stems:** angular becoming ± cylindrical, to 6.5 mm diameter, with ridges and lines descending from each leaf, densely glandular-hairy and dendritic-hairy. **Leaves:** helically alternate, odd-2(–3)-pinnately compound, ± sessile with primary leaflet (pinna) at base, without stipules; blade oblanceolate to oblong in outline, 30–115 × 12–50 mm, gradually reduced upward; leaf axes angular, with scattered glandular hairs; primary and secondary units (pinnules) ovate to obovate; ultimate segments ± obovate, of varying lengths, deeply lobed, the lobes obovate to elliptic, < 2 mm long, acute to rounded at tip, grayish green due to abundant dendritic hairs. **Inflorescence:** raceme, terminal, many-flowered, flat-topped with open flowers somewhat overtopping buds, lacking bracts; rachis and peduncle glandular-pubescent and with widely scattered unbranched or branched nonglandular hairs; pedicel initially ascending, slender, at anthesis 3–4.5 mm long increasing 2× and ± spreading in fruit, with widely scattered glandular hairs and several ± unbranched nonglandular hairs. **Flower:** bisexual, radial, 2 mm across; **sepals** 4, spreading, cupped-elliptic, 1.7–1.9 mm long, green with yellow margin and while open aging completely yellowish (in range lacking rose pigment), with unbranched hairs and lacking glandular hairs, deciduous; **petals** 4, distinctly clawed, erect, obovate, 1.5–1.8 mm long, bright yellow; **stamens** 6, free, ± equal with outer 2 short and 4 inner slightly longer; filaments 1.6–1.9 mm long, yellow-green; anthers basifixed, dithecal, 0.4 mm long, yellow, longitudinally dehiscent; pollen yellow; **nectaries** 6, = minute lobes between filaments, greenish; **pistil** 1; ovary superior, ± fusiform, ± 2 mm long, greenish yellow, glabrous, 2-chambered, each chamber with ca. 16 ovules attached to septum in 2 rows; style ca. 0.2 mm long, persistent; stigma capitate, unlobed. **Fruit:** siliqua (silique), dehiscent by 2 valves, ± 20-seeded, fusiform-elliptic and 4-angled or somewhat club-shaped, in range 4–7 × ca. 1 mm, glabrous, with conspicuous midvein on each valve, with seeds often bulging; beak absent; seeds attached to elliptic, translucent septum. **Seed:** ellipsoid, ca. 1 mm long, reddish brown.

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