
Keys to the Fruits of the Family Umbelliferae of West Central Texas

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Fruits of the Umbelliferae have been long recognized as important structures in their taxonomic study. This paper represents an extension of an earlier work (McCoy, 1961).

Thirteen species in 11 genera were examined, using material in the herbarium of Hardin-Simmons University. Gratitude is extended to Mr. William H. Mahler, the former Curator, for assembling the fine collection of Umbelliferae from counties of West Central Texas.

KEY TO THE GENERA AND SPECIES

a. Fruits flattened dorsally

b. Fruits with dorsal as well as lateral wings

Cymopterus macrorhizus Buckley

- b. Fruits with lateral wings only
 - c. Wings thicker than the fruits *Polytaenia Nuttallii* DC.
 - c. Wings thinner than the fruits
 - d. Styles shorter than calyx teeth *Anethum graveolens* L.
 - d. Styles longer than calyx teeth *Eurytaenia texana* T. & G.
- a. Fruits flattened laterally or terete
 - e. Length of fruits more than three times their width
Chaerophyllum Tainturieri Hooker
 - e. Length of fruits less than three times their width
 - f. Fruits with prickles
 - g. Prickles obscuring surfaces of fruits *Sanicula canadensis* L.
 - g. Prickles not obscuring surfaces of fruits
 - h. Prickles retrose stellate-tipped *Daucus pusillus* Michx.
 - h. Prickles straight or recurved-tipped
Spermolepis echinata (Nuttall) Heller
 - f. Fruits without prickles
 - i. Fruits glabrous*Hydrocotyle verticillata* Thunb.
 - i. Fruits tuberculate, scaly, or with ribs serrate-margined
 - j. Ribs with serrate margins *Ammoselinum Popei* T. & G.
 - j. Ribs without serrate margins
 - k. Fruits covered with white scales
 - l. Sepals 5 mm long, spinose-pinnatifid at apex
Eryngium Leavenworthii T. & G.
 - l. Sepals 3-3.5 mm long, mucronate at apex
Eryngium diffusum Torrey
 - k. Fruits tuberculate
Spermolepis inermis (Nutt.) Math. & Const.

LITERATURE CITED

McCoy, Doyle. 1961. Keys to the fruits of the Family Umbelliferae in Oklahoma. Proc. Okla. Acad. Sci. 42: 46-50.