

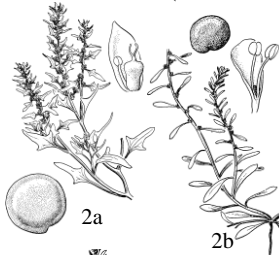
Key revised to accommodate name change from *Blitum spathulatum* to *Neomonolepis spathulata*; pointer to *Neomonolepis* added in synonymy section.

**References:**

Sukhorukov, A.P., M. V. Nilova, A. A. Krinitsina, M. A. Zaika, A. S. Erst, K.A. Shepherd. 2018. Molecular phylogenetic data and seed coat anatomy resolve the generic position of some critical Chenopodioideae (Chenopodiaceae – Amaranthaceae) with reduced perianth segments. *PhytoKeys* 109: 103-128. doi: 10.3897/phytokeys.109.28956.

**Blitum** L. Goosefoot; Povertyweed

Fls ♂ or ♀, ± glomerate in axillary and terminal spikes; sepals 3–5 and connate at least at base, or reduced to 1(–3) bractlike sepals, or occ absent, not keeled; stamens 1–3 (ours); fr an achene or utricle; seed all vertical, lenticular to oblong; ours ann herbs, not aromatic, glab to ± farinose when young; sts prostrate to erect; lvs alt, petiolate, entire to hastate. (Derivation uncertain). (*Chenopodium* in part, *Monolepis*; see also *Neomonolepis*).



**1a** Perianth lacking, or consisting of 1(–3) bractlike sepal(s) < (and not enclosing) fr; seeds smooth; lvs entire to hastately lobed; stamens 1–2

**2a** Lvs hastately lobed; sepal acute, 1.5–2.5 mm; fr 1.1–1.5 mm; sts prostrate to ascending, 5–50 cm; dry to moist, often saline or alkaline soil, des plains to lower mts; AK s, e Cas, to CA, e to Alta, the RMS, and Gr Pl; Nuttall’s p. (*M. n.*)

**1 B. nuttallianum** Schult.

**2b** Lvs entire; sepal rounded, < 1 mm; fr 0.5–0.7 mm; disjunct in Okanogan Co, WA; c and se OR to Baja Cal, e to NV (see p. 368)

**2 Neomonolepis spathulatum** (A. Gray) Sukhor.

**1b** Perianth 3(4)-lobed; fr at least partially enclosed by perianth; seeds minutely reticulate; lvs hastately lobed; stamens 1 or 3

**3a** Spikes lfy-bracteate to near tip; seeds ± rotund in outline, 1–1.2 mm, margins rounded to grooved; stamens gen 1; pls 2–6(–8) dm; Eurasian intro; known in our area from WA, OR, and ID; lfy g. (*C. foliosum*)

**3 B. virgatum** L.

**3b** Spikes lfless or with greatly reduced bracteoles above; seeds oblong in outline, ca 0.9 mm, margins acute to obtuse-angled; stamens 3

**4a** Mature glomerules 6–10 mm wide; sepals bright red, fleshy, often appearing confluent; lvs gen truncate to cordate at base; pls 2–10 dm; thickets, for openings, and meadows; AK to ne WA, e to Atl, scattered in s OR, CA, and RMS (*C. c.* var. *c.*)

**4 B. capitatum** L.

**4b** Mature glomerules 3–5 mm wide; sepals green or dull red, not fleshy, gen remaining distinct; lvs gen cuneate to truncate at base; pls 2–10 dm; e OR to e CA and NV, e to MT and RMS; also sc BC and nc WA, where possibly intro (*C. capitatum* var. *parvicapitatum*)

**5 B. hastatum** Rydb.

