

Bromus arizonicus (Shear) Stebb., ARIZONA BROME. Annual, fibrous-rooted, several-stemmed at base, often tufted, erect to ascending, in range 30–90 cm tall; shoots with only cauline leaves. **Stems (culms):** cylindrical with longitudinal ridges, 2–4 mm diameter, internodes 10–62 mm long, glabrous. **Leaves:** alternate distichous, simple with sheath; sheath closed most of length, to 110 mm long, longitudinally ridged and having a conspicuous, decurrent midvein, throat to 30 mm long, narrowly membranous on margins, glabrous to pilose-pubescent; ligule membranous, acute or obtuse to truncate, (1–)2–4.8 mm long, whitish translucent, short-dentate to jagged on margin and becoming cut, glabrous, without lobes (auricles) at top; blade linear, (80–)140–220 × (3–)4.5–6.5(–10) mm, entire or pilose-ciliate on margins, parallel-veined with several prominent veins including a midrib raised on lower surface, glabrous or somewhat pilose. **Inflorescence:** spikelets, in terminal panicles, panicle erect, narrowly lanceoloid, 50–250(–300) mm long, having 3–6 alternate nodes with 3–6 ascending (spreading) lateral branches per node, with 1–8 spikelets per branch, spikelet with 3–6(–9) florets, bracteate, awned; peduncle generally included within sheath of flag leaf, ridged, glabrous; rachis ridged, internodes 15–80 mm long, scabrous; stalk of spikelet 0.7–37 mm long. **Spikelet:** elliptic to lanceolate strongly to slightly compressed side-to-side, 11.5–23 mm long (excluding awns), breaking above glumes and between florets; **glumes** 2, unequal, lower glume linear-lanceolate, 9.5–13.8 × 1.2–1.5 mm and 1-veined, upper glume 11.7–15 × 1.2–1.3 mm and 7-veined or 9-veined; rachilla 1.7–3 mm long; **lemma** awned, linear-lanceolate to lanceolate compressed side-to-side, 9.5–15.5 mm long, ± = upper glume, 7–9(–13)-veined, keeled at least above midpoint, glabrous or sometimes hairy on margins, the awn straight (or bent) and moderately to strongly twisted below midpoint, 4.2–10(–15) mm long, scabrous; **palea** linear, 9.3–12 × 0.6–0.9 mm, 2-veined, 2-keeled, membranous except for veins, truncate to slightly 2-toothed at tip, V-shaped between veins with margins folded inward along veins, glabrous but ascending-pubescent along keels approaching tip. **Flower:** bisexual; **perianth (lodicules)** 2; **stamens** 3, free, included; filaments slender, to 3 mm long, translucent; anthers dithecal, 0.4–0.7 mm long, yellow-orange, longitudinally dehiscent; pollen yellow-orange; **pistil** 1; ovary superior, 1-chambered with 1 ovule; styles 2. **Fruit:** achene (caryopsis), narrowly lanceolate in outline compressed side-to-side, V-shaped in ×-section, ca. 10 × 1 mm, longitudinal groove on side facing palea, with tuft of short hairs on tip.

Native. Annual not observed during the study but which has been collected at several inland sites. *Bromus arizonicus* is the current name for *B. trinii* Desv. var. *excelsus* Shear, and is now recognized as distinct with very short anthers, as compared with the other form in California, now named *B. berteroanus* Colla.

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