

Bromus berterioanus Colla, CHILE CHESS. Annual, fibrous-rooted, several-stemmed at base, tufted, erect to ascending, in range 15–75 cm tall; shoots with basal leaves and cauline leaves. **Stems (culms):** cylindrical, to 3 mm diameter, internodes to 200 mm long, glabrous. **Leaves:** alternate distichous, simple with sheath; sheath often closed most of length, 40–62 mm long, with throat 4–35 mm long, ridged (especially a decurrent midrib), narrowly membranous on margins, densely pilose-pubescent with backward-pointing hairs to nearly glabrous, without lobes (auricles) at top or with auricles < 0.8 mm long; ligule membranous, acute to obtuse, 1–3 mm long, short-dentate becoming jagged or cut, whitish translucent, glabrous; blade linear, 60–250 × (1.5–)2.5–7(–10) mm, flat, parallel-veined with several principal vein raised on lower surface. **Inflorescence:** spikelets, in terminal panicles, panicle erect, ellipsoid to lanceoloid, 100–240 mm long, with ca. alternate nodes and 6–11 lateral branches per node, branches ascending to spreading or aging flexuous, each bearing 1–20+ spikelets, spikelet with 3–6(–9) florets, bracteate, glabrous, awned; peduncle about half-exserted from sheath of flag leaf, ridged, to 240 mm long; stalk of spikelet 0.7–11 mm long, scabrous on margins. **Spikelet:** elliptic to lanceolate slightly compressed, 11.5–20 mm long (excluding awns), breaking above glumes and between florets; **glumes** 2, unequal, the lower glume linear-lanceolate, 4–8 mm long and 1-veined, upper glume 7–11 mm long and 3-veined or 5-veined, narrowly membranous on margins, glabrous; rachilla between florets 2–3 mm; **lemma** awned, linear-lanceolate to lanceolate compressed side-to-side, 7.5–10 mm long or = upper glume, 3-veined or 5-veined, pubescent, sometimes narrowly membranous on margins, veins with short ascending hairs, 2-toothed with acuminate tips 2–5 mm long (sometimes tips awnlike), principal awn 6–8.5(–15) mm long, bent (geniculate), scabrous, moderately to strongly twisted below midpoint; **palea** membranous, linear, 6.5–8.7 mm long, 2-veined, 2-keeled along veins and concave between veins, with margins folded inward along veins, truncate or slightly 2-toothed at tip, mostly glabrous but ascending-pubescent above midpoint. **Flower:** bisexual; **perianth (lodicules)** 2, narrowly ovoid, 0.5–0.6 mm long, translucent; **stamens** 3, free, included; filaments fine-slender, 1.5–3 mm long, translucent-white; anthers basifixed, dithecal, 0.8–2.2 mm long, yellow-orange, longitudinally dehiscent; pollen light yellow; **pistil** 1, ca. 2 mm long; ovary superior, narrowly wedge-shaped compressed side-to-side, with hairy appendage at top, 1-chambered with 1 ovule; styles 2, ± separated on top of ovary, with numerous lateral stigmatic branches ± 0.3 mm long along portion ± 0.5 mm long. **Fruit:** achene (caryopsis), narrowly lanceolate in side view and compressed side-to-side, ca. 6.2 × 0.6 mm, V-shaped in ×-section, with longitudinal groove on side facing palea and having tuft of hairs on tip.

Naturalized. Annual collected several times in range under the name *Bromus trinii*, but now this South American species treated as *Bromus berterioanus*.

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