

*Agrostis exarata* Trin., SPIKE BENT GRASS. Perennial herb, sometimes rhizomatous or producing stolons, fibrous-rooted, several-stemmed at base, tufted, decumbent and rooting at lower nodes, with erect inflorescences, mostly to 30 cm tall; shoots with 4–5 nodes, with leaves densely clustered at base of plant, glabrous; adventitious roots at lower nodes.

**Stems (culms):** cylindric, to 1.1(–1.6) mm diameter, internodes 4–45 mm long, striped; internodes hollow. **Leaves:** alternate distichous, simple with sheath; sheath open, 8–70 mm long, mostly > internode, with 7–13 ridges, margins overlapping 1/4 to most of length, the margins membranous but wider on outer margin, without lobes (auricles) at top; ligule erect, whitish membranous, truncate to obtuse but splitting into 3–7 short teeth, in range 1.5–4.5 mm long, sometimes ciliate at tips of teeth, glabrous or surfaces puberulent; blade linear, in range 30–90 × 1.5–2 mm, the widest near base, flat, minutely scabrous on margins, parallel-veined with veins raised on both surfaces. **Inflorescence:** spikelets, in terminal panicles, panicle contracted and cylindric or narrowly oblong to more expanded and lanceoloid to ovoid, 30–80 mm long, branching alternate distichous, having 5–9 nodes and (1–)3–7 unequal branches per node = a 1-sided arc (verticil), spikelet with 1 floret, bracteate, lacking awns; rachis straight, internodes partially concealed by branches and spikelets, striped (corrugated), glabrous to minutely scabrous; principal branches at anthesis appressed to suberect, 5–20 mm long with the longest branch of each node decreasing upward, scabrous; stalk of spikelet 1–3 mm long, smooth to minutely scabrous. **Spikelet:** = glume length, breaking above glumes; **glumes** 2, subequal, lanceolate, 2.4–3.4 mm long, 1-veined, green with membranous margins aging light yellowish tan or purplish red medially, narrowly acute to acuminate at tip, smooth or minutely scabrous along vein; callus with several unequal hairs < 0.5 mm long; rachilla not prolonged beyond palea; **lemma** membranous, 1.2–2.2 mm long, < glumes, 5-veined, minutely 5-toothed at tip, persistent around fruit; **palea** absent or to 0.3 mm long, membranous. **Flower:** bisexual (not observed). **Fruit:** achene (caryopsis), ellipsoid, ca. 0.9–1.2 mm long, with longitudinal groove on side facing palea.

Naturalized. Perennial herb reported in range but not obtained in fresh condition for the study.

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