Setaria pumila (Poiret) Roemer & Schult., PIGEON GRASS, YELLOW FOXTAIL. Annual, fibrous-rooted, tufted, several-stemmed at base, ascending, in range 30–55 cm tall; shoots typically with cauline leaves and straight stems lacking large, knotlike nodes; adventitious roots at basal nodes. **Stems (culms):** compressed-cylindric, to 1.5 mm diameter, tough, smooth, glabrous; internodes hollow. **Leaves:** alternate distichous, simple with sheath; sheath open, compressed-keeled, with reddish, wide membranous margins, glabrous, without lobes (auricles) at top; ligule ciliate and densely fringed, ± 1 mm long; blade linear, 30–155 × 2.5–4 mm, somewhat constricted at base, thin, folded and keeled to midblade, entire at base to minutely toothed and scabrous above midblade on margins, prolike at tip, parallel-veined, in range dull, upper surface sparsely long-pilose at base with hairs ca. 5 mm long. **Inflorescence:** spikelets, in terminal spikelike panicles, panicles densely flowering, with conspicuous bristles (= reduced branchlets) > spikelets, panicle cylindric, 15–35 mm long, 3.5–4 mm diameter (excluding bristles) and 5–7 mm diameter (including bristles), spikelet with 2 florets, lower one sterile and vestigial and upper one bisexual, bracteate, lacking awns; principal rachis ridged, pubescent with erect or ascending hairs along ridges; lateral branches alternate, each with 1 spikelet at tip, lacking an axillary pulvinus; stalk of spikelet short or absent, bearing 4–8(–12) bristles in 2 clusters; bristles scabrous with upward-pointing barbs (antrorse), ascending at anthesis and in fruit, wavy or arched, 1.5–6 mm long, yellowish green to straw-colored. **Spikelet:** ellipsoid with 1 flattish side, 2.2–2.5 mm long, glabrous, easily deciduous; breaking below glumes and leaving a whitish disc ca. 0.3 mm across; **glumes** 2, unequal, dimorphic, lower glume sheathing, 1.1–1.3 mm long and 3-veined, obtuse and notched with short point (mucronate) at reddish tip, upper glume 1.5–1.7 mm long and 3–5-veined, < spikelet, rounded at tip, glumes colorless on margins and between green veins, upper glume reddish on margin above midpoint; **lower lemma** (sterile floret) similar to upper glume, with inrolled margins (clasping upper floret), 5-veined, notched with short point at tip; **lower palea** membranous and ovate, = lemma, 2-veined; **upper lemma** (fertile floret) ovate, 1.5–2 mm long, weakly 3-veined, with inrolled margins and clasping upper palea, green with burgundy above midpoint commonly frosty white in midsection, netlike and conspicuously transversely ridged below midpoint (appearing reptilean); **upper palea** 1.4–1.8 mm long, 2-veined, smooth and infolded outside of veins and eventually clasping fruit, bumpy and netlike with transverse ridges between veins. **Flower:** bisexual; **perianth (lodicules)** 2, rectangular or fan-shaped, 0.3–0.5 mm long, at anthesis turgid, colorless, truncate to rounded (retuse) at tip; **stamens** 3, free; filaments threadlike, 1–2 mm long, translucent-white; anthers exserted, dorsifixed-versatile, dihecal, oblong, 0.7–0.8 mm long, brownish, longitudinally dehiscent; pollen orangish; **pistil** 1; ovary superior, flask-shaped, 0.4–0.6 mm long, translucent-white, glabrous, 1-chambered with 1 ovule; styles 2, erect, 1.2–1.7 mm long, translucent-white; stigmas exserted, 1–1.2 mm long, purple, tangled feathery (plumose). **Fruit:** achene (caryopsis), enclosed within spikelet with loose glumes and hidden by lemmas and paleae, mostly abscising from bristles, spikelet 1.6–2 mm long; achene ± hemi-ovoid with 1 side flattish (plano-convex), 1–1.3 × 0.7–0.8 mm, pale yellowish green, lacking defined edges, obtuse at tip.