Setaria reverchonii (Vasey) Pilger (subsp. not recognized), REVERCHON BRISTLEGRASS. Perennial herb, bunchgrass, rhizomatous, fibrous-rooted, many-stemmed at base, unbranched above ground, erect to ascending, in range to 50 cm tall; shoots with threadlike basal leaves and to 4 cauline leaves, long-hairy mostly at sheath-blade junction, the hairs often with enlarged base (pustulate); rhizomes shallow (< 40 mm deep), knotty highly branched with a high concentration of basal axillary buds, to 2 mm diameter, with dense, straight long hairs to 2 mm long, having cataphylls (bladeless leaves) acute at tip, 4–11 mm long, strongly ridged. **Stems:** cylindric, 1 mm diameter, glabrous. **Leaves:** alternate distichous, simple with sheath; prophyll open, membranous aging papery, triangular in outline with wide, 2-keeled, sharply folded margins, to 5 mm long, conspicuously long-hairy on outer surface; sheath open, ridged, margins membranous and conspicuously ciliate from base-to-top, at top of sheath to 3.5−5 mm long, of basal leaves often folded; ligule truncate, stiff-ciliate or ciliate from a membranous base, 1−1.5−2 mm; collar to 0.7 mm long, white, sometimes with pustulate hairs on margins; blade linear but often involuted upward (involute), of basal leaves to 60 × 1 mm, of cauline leaves 70−195 × 2−4 mm, the widest at midblade, long-tapered to tip, parallel-veined, to 15-veined at midblade, with veins raised and scabrous on both surfaces, margins also with minute, scabrous teeth but surfaces not noticeably rough. **Inflorescence:** spikelets, terminal and spike-like 50−150 × to 5 mm, appearing interrupted, lower portion with appressed to ascending lateral branches, 1 per node (with short branchlets) and < 15 mm long, upper portion with alternate, stalked, solitary spikelets, spikelet with 2 florets, axes with scabrous teeth, nearly glabrous; blade of flag leaf ascending often to midpoint of spikelets; peduncle slender, ridged, tough, weakly scabrous, at the lowest node ligule-like with a row of hairs to 2 mm long; rachis like peduncle but upper portion (having solitary spikelets) wavy and angled; branches commonly with a short-stalked spikelet coupled with a spikelet with a longer, curved stalk, on branchlets with a bristle (reduced branch) near base of spikelet arising from a ringlike thickening, the bristle curved, to 2 mm long, white often aging purple-red, densely scabrous, persistent, on upper portion solitary spikelets lacking a bristle. **Spikelet:** lower floret sterile and vestigial, upper floret fertile and bisexual, ovoid with 1 flattish side, 3−3.6 × 1.7−1.8 mm, often mottled with purple-red blotches on outer surfaces, glabrous, breaking below glumes and leaving a whitish disc ca. 0.3 mm across; **glumes** 2, unequal, dimorphic, lower glume sheathing and open, widely overlapping on flattish side, in range mostly 1.6−1.8 mm long to near midpoint of spikelet, the longest face with acute to obtuse tip often purple-red framed with colorless tissue, veins 5−7 with principal veins raised and not converging at tip, veins green on colorless tissue; upper glume membranous, ± elliptic with margins wrapped around lower lemma, 3−3.5 mm long, 7−9-veined, veins green, purple-red blotch mostly above midpoint; **lower lemma** (sterile floret) similar to upper glume with inrolled margins (clasping upper floret), ovate, ca. 0.2 mm < upper glume, membranous with 5 green veins or also with dark blotch; **lower palea** absent; **upper lemma** (fertile floret) textured and bumpy, < lower lemma, weakly 3-veined above midpoint, aging hard (indurate); **upper palea** textured and bumply with wide, inrolled membranous margins enclosing flower, outer surface aging indurate. **Fertile flower:** bisexual; **perianth (lodicules)** 2, nearly squarish, ca. 0.4 × 0.3 mm, translucent; stamens 3,
free, included; filaments < 1 mm long, translucent; anthers dorsifixed, dithecal, 1 mm long, off-white, longitudinally dehiscent; pollen colorless; pistil 1, ca. 1.1 mm long, included; ovary superior, ellipsoid, ± 0.5 × 0.2 mm, colorless, 1-chambered with 1 ovule; styles 2, spaced at top of ovary, ca. 0.6 mm long, colorless, lacking stigmatic branches. Fruit: achene (caryopsis), enclosed within spikelet having papery, loose glumes and lower lemma and hidden by a sealed, hard (indurate) unit of upper lemma and upper palea, plump hemi-ovoid, ca. 3.5 × 2 mm, the upper lemma and palea textured with cells in vertical rows and especially on lemma the middle section having short bands and ridges; either abscised from bristle or shed with the stalk + bristle to 2 mm long; seed not observed (very difficult to remove hard cover).

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