

## Plant Description and Collection Information

**Species:** *Redfieldia flexuosa*

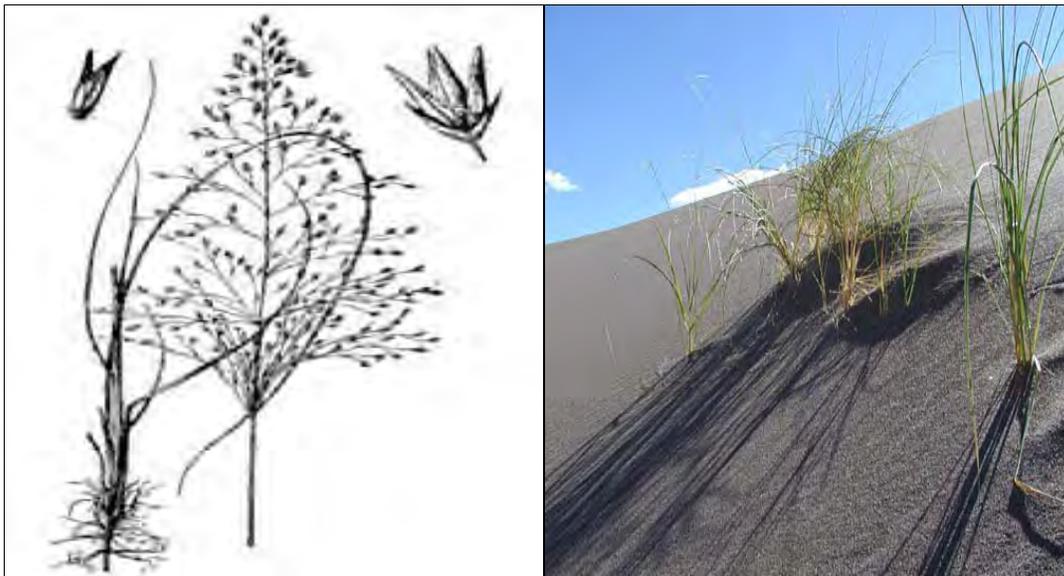
**Common Name:** Blowout grass

**Description:**

A rather tall (2 to 3.5 feet), perennial grass which spreads from extensive rhizomes with few flowered spikelets on the open branches of the large panicle. Leaf sheaths are overlapping, ligules are a ring of hairs, the shortest of which is in the center. The inflorescence is a oblong panicle, one-third to one-half of the plant with long, diffuse, capillary branches. This is a good sand-binding pioneer plant on sandy sites. Seed matures July or August and can be found on sites associated with blowouts and disturbances on choppy sands range sites.

**Collection:**

The problem with attempting to collect seed is that very few viable seeds are produced, the plant relying on spreading by rhizomes. Please collect available seed, preferably a full seed sample envelope to maximize the possibility of a few mature seed. If collections are made from different locations, please keep the collections in separate envelopes. Seed collections need to be dry prior to sending. Send seed packets along with completed Form NRCS-ECS-580, to Manhattan Plant Materials Center, 3800 South 20<sup>th</sup> Street, Manhattan, Kansas 66502-9535.



## Plant Description and Collection Information

**Species:** *Muhlenbergia pungens*

**Common Name:** Sandhill muhly

**Description:**

Sandhill muhly is a bunchgrass with coarse, scaly rhizomes that is 4 to 24 inches tall. It often forms large rounded clumps or rings with it dying out in the center. Leaf blades are rigid, rolled inward, sharply tipped 1 to 2 1/2 inches long and very narrow, and smooth or with fine hairs. Ligules are short, often with membranous lobes on the sides. Leaf sheaths are woolly-hairy at the base and smooth above. Stems are erect or more often decumbent-ascending and much branched above the base. It reproduces by rhizomes and seed. It is often found in or near blowout or dune areas on sandy sites.

**Collection:**

Sandhill muhly produces very few viable seeds, relying on rhizomes for spread. Please collect available seed, preferably a full seed sample envelope to maximize the possibility of a few mature seed. If collections are made from different locations, please keep the collections in separate envelopes. Seed collections need to be dry prior to sending. Send seed packets along with completed Form NRCS-ECS-580, to Manhattan Plant Materials Center, 3800 South 20<sup>th</sup> Street, Manhattan, Kansas 66502-9535.



## Plant Description and Collection Information

**Species:** *Koeleria macrantha*

**Common Name:** Prairie junegrass

**Description:**

Prairie junegrass is a native, perennial, cool-season tufted bunchgrass found on rangelands, plains, and open forestlands. It is commonly 0.5 to 2 feet tall. The narrow leaves form small basal clusters from which arise several seed heads. Leaves are basal, flat to in-rolled, and sharply pointed. The seed heads are narrow contracted panicles and have the appearance of dense spikes, one per stem. The spikelets are normally pale green to purplish in color. Fine hairs are found on the reproductive stem just below the seed head. The glumes are sharp and shiny. This is one of the first grasses to green-up in the early spring. Prairie junegrass is a perennial grass of medium longevity found in a wide variety of native plant communities.

**Collection:**

Prairie junegrass flowers in April to June and seed matures in July or August depending upon location and climate. Collect available seed, preferably a full seed sample envelope, to maximize the possibility of a few mature seed. If collections are made from different locations, please keep the collections in separate envelopes. Seed collections need to be dry prior to sending. Send seed packets along with completed Form NRCS-ECS-580, to Manhattan Plant Materials Center, 3800 South 20<sup>th</sup> Street, Manhattan, Kansas 66502-9535.



Dale Darris, USDA NRCS Oregon PMC