

Protocol Information

Upper Colorado Environmental Plant Center

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<http://plant-materials.nrcs.usda.gov/copmc/>

Family Scientific Name: **Poaceae**

Family Common Name: **Grass**

Scientific Name: *Leymus cinereus*

Common Name: **basin wildrye**

Species Code: **LEC14**

Ecotype: **Piceance Basin Colorado**

Propagation Goal: **Plants**

Propagation Method: **Seed**

Product Type: **Propagules (seeds, cuttings, poles, etc.)**

Time To Grow: **3 Months**

Target Specifications: **Plants**

Propagule Collection: **Seed was collected in mid July from the Piceance Basin area. It was collected when the inflorescence was dry and the seed was in the hard dough stage. Inflorescence was stripped by hand or was clipped from the plant. Seed was stored in plastic bags at room temperature until seed was cleaned in the winter.**

Pre-Planting Treatments: **No treatment is necessary for this species.**

Growing Area Preparation/

Annual Practices for Perennial Crops: **After the collection was cleaned, a seed sample was placed in a disposable petri dish with blue blotter paper. Bottled water was added to moisten the blotter paper. Average temperature for the petri dish was 65 degrees.**

Establishment Phase: **Petri dishes were kept damp and germination occurred within six days. Seeds were noted to be blackened or moldy, but had no effect on germination.**

Length of Establishment Phase: **After 23 days germination percentage was at 85 percent.**

References: **USDA, NRCS. 2011. The PLANTS Database (<http://plants.usda.gov>, 29 December 2010). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.**

Citation:

Blanke, Terri; Woodruff, Heather. 2011. Propagation protocol for production of *Leymus cinereus* plants; Upper Colorado Environmental Plant Center, Meeker, Colorado. In: Native Plant Network. URL: <http://www.nativeplantnetwork.org> (accessed 23 September 2011). Moscow (ID): University of Idaho, College of Natural Resources, Forest Research Nursery.