

Protocol Information

Upper Colorado Environmental Plant Center

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

Family Scientific Name: **Asteraceae**

Family Common Name: **Sunflower**

Scientific Name: *Artemisia cana*

Common Name: **silver sage**

Species Code: **ARCA13**

Ecotype: **Maybell Colorado**

General Distribution: **From British Columbia east to Manitoba and south to Colorado**

Propagation Goal: **Plants**

Propagation Method: **Seed**

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

Propagule Collection: **Seed was collected in late fall from third week of October through first two weeks of November via hand stripping or clipping leader growth with seed heads. 846,000 seeds/lb. (Hassell, et al. 1996)**

Propagule Processing: **Seed is placed into a Forsberg for a brief period, then run through a Clipper air cleaner with a number 1/18 screen on the top and a blank screen on the bottom. Air speed is set at low and entire process is continued until desired seed cleanness is achieved.**

Pre-Planting Treatments: **No treatment necessary**

Growing Area Preparation/

Annual Practices for Perennial Crops: **Firm, weed free seed bed. Shallow (less than 1 cm) planting depth with limited irrigation through germination and periodically throughout growing season until plants are established.**

Establishment Phase: **Sowing/Planting Technique: Seeded with a belt seeder**

Length of Establishment Phase: **Can begin producing seed between year two or three.**

Active Growth Phase: **Spring and summer are active growth times.**

Harvesting, Storage and Shipping: **Seed can be hand collected or clipped from the plant late in the year, October through November. After cleaning, seed is stored in a burlap sack and stored at room temperature. Seed can be stored for at least 15 years and remain viable.**

Length of Storage: **15 Years**

References: **USDA, NRCS. 2011. The PLANTS Database (<http://plants.usda.gov>, 29 December 2010). National Plant Data Center, Baton Rouge, LA 70874-4490 USA. Hassell, et al. 1996. Seeding Rate Statistics for Native and Introduced Species. USDI National Park Service and USDA Natural Resources Conservation Service.**

Citation:

Blanke, Terri; Woodruff, Heather. 2011. Propagation protocol for production of *Artemisia cana* 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.