

# Development of Seed Transfer Zones for Pearly everlasting and Rough bentgrass in Region One

## 2011 Accomplishments

The Five-Year Action Plan for the R1 Native Plant Program identified the need to develop seed transfer zones for core native revegetation species. In 2008 the multi-year R1 Seed Transfer Zone Study was initiated with 2011 representing its fourth year of implementation.

Each year, two species are selected for common garden study. In 2010, a forb, pearly everlasting (*Anaphalis margaritacea*), and a grass, rough bentgrass (*Agrostis scabra* var. *scabra*) were selected for study. R1 forests and grasslands collected wildland seed for the two species. The common garden study was initiated in summer 2011 for rough bentgrass at the USFS Coeur d'Alene Nursery. The common garden study for pearly everlasting will be initiated in 2012. The studies are under the guidance and direction of the Region 1 Geneticist and Region 1 Native Plant Program.

**2011 Accomplishments:** Phenology and morphology data was collected for rough bentgrass during the 2011 growing season. Crews from the Coeur d'Alene Nursery and various forests collected the data which involved seven species variables. This is the first year of data collection for this species. Pearly everlasting was readied for out-planting in common garden studies however plot establishment was delayed due to poor planting conditions and the need to protect seedlings. Out planting and data collection will begin for this species in 2012.

**Year awarded:** Initial award in 2009

**Project completion:** 2014

**Report number:** 1 of 4

**Expenditures** (through 10/2011):

- FY09 funding \$100,000 (NFN3 funding)
- Expended approximately \$70,000 from FY09 to FY11
- \$20,000 remaining for FY12 to FY13

**Partners/contractors/cooperators:** R1 Regional Geneticist, R1 Native Plant Program, USFS Coeur d'Alene Nursery, R1 Forests and Grasslands

**Contact person & phone number:**

Susan Rinehart, Native Plant Program Mgr. 406-329-3669  
Dr. Mary Mahalovich, Regional Geneticist, 208-883-2350



**Upper figure:** Pearly everlasting, a forb commonly used for revegetation.

**Lower figure:** Rough bentgrass, a favorite revegetation grass found in forested habitats throughout the northern Rocky Mountains.



The study is a cooperative venture between the USFS Coeur d'Alene Nursery, the R1 Regional Geneticist, the R1 Native Plant Program, and R1 forests and grasslands.



**USFS Northern Region**  
Federal Building  
200 East Broadway  
Missoula, MT 59833