



## Webinar Brief for Resource Managers

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# Seed Collection and Extraction for Wildland Restoration

*To Be Presented on 11 February 2015 by Kayla Herriman, Seed Extractory Manager, and Sarah Garvin, Seed Extractory Assistant Manager, Forest Service Region 6 Bend Seed Extractory*

### **Project Summary** (2-3 sentences):

Wildland seed collection planning is important for restoration. Once collections are completed, material is processed to meet the needs of the restoration site. Understanding what makes a quality seed collection, the seed extraction process, seed testing, and the role of seed storage can all contribute to a successful project. With proper preparation and quality seed collections, land managers can utilize native seed as part of current and future restoration projects.

### **Abstract** (250 word minimum):

Native seed that is locally adapted may be the best selection for wildland restoration. Planning for collection can aid in a successful project. Understanding seed transfer zones, collection guidelines, and knowing what the seed will be used for all contribute to a good seed collection. It is also helpful to know what to do with seed whether it needs to be processed and/or stored for a period of time. The tools and information here can help with all of these factors.

The Region 6 Bend Seed Extractory is located in Bend, Oregon and is a state of the art seed processing facility. They process grasses, forbs, shrubs, and conifers from various governmental agencies across the United States. Their work focuses on developing and distributing protocols for native plant processing for more than 2,700 species. It will help program managers to understand more about the extractory and how may be able to help them either with processing needs or educational information.

### **Management Implications**

- Quality seed starts with quality collections.
- Planning for wildland seed collection can be part of successful restoration.
- Knowing how and when seed will be used helps determine processing needs.

## Most Relevant References:

### Woody Plant Seed Manual

Bonner, Franklin T.; Karrfalt, Robert P., eds. 2008. The Woody Plant Seed Manual. Agric. Handbook No. 727. Washington, DC. U.S. Department of Agriculture, Forest Service. 1223 p.

### PLANTS National Database

USDA, NRCS. 2015. The PLANTS Database (<http://plants.usda.gov>, 23 January 2015). National Plant Data Team, Greensboro, NC 27401-4901 USA.

### Nursery Manual for Native Plants

Dumroese, R. Kasten, Tara Luna, and Thomas D. Landis. 2009. Nursery Manual for Native Plants: A Guide for Tribal Nurseries. Agric. Handbook No. 730. Washington, DC. U.S. Department of Agriculture, Forest Service. 302 p.

## Seed Images:

- [Native Seed Images](#)

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