

# Development of New Native Plant Material Source for Rehab and Restoration of Disturbed Areas

## 2007 Accomplishments

The Apache-Sitgreaves National Forests have partnered with the Plant Materials Center of the Natural Resources Conservation Service, Los Lunas, New Mexico to develop new native plant source materials for use in site restoration following wildfire, prescribed fire, White Mountain Stewardship, and watershed restoration. During late FY06/early FY07, the following seeds were collected:

- ◆ Galleta (*Pleuraphis jamesii*)
- ◆ Blue grama (*Bouteloua gracilis*)
- ◆ Arizona fescue (*Festuca arizonica*)
- ◆ Thurber fescue (*Festuca thurberi*)
- ◆ Mountain muhly (*Muhlenbergia montana*)
- ◆ Mountain brome (*Bromus marginatus*)
- ◆ Wolftail (*Lycurus setosus*)
- ◆ Spike muhly (*Muhlenbergia wrightii*)

Seed was sown in plug trays and watered daily to encourage germination and initial seed growth. After hardening off in the nursery, the plugs were field planted.

Seed collection and planting will continue in FY08 to meet the objective of establishing 0.25 acres per species.



Mountain muhly seed production. Seedlings planted July 17, 2007 – picture taken August 22, 2007.



Installing plug transplants using a mechanical, vegetable transplanter.

Year Awarded: FY2006  
Project completion: Year 2

Report number: 2 of 5

Expenditures to date:

- ◆ FY06 - \$8,000
- ◆ FY07 - \$13,071

Partners/Contractors/Coop:  
**National Resources Conservation Service; Plant Materials Center**

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