

Colorado Plateau Native Plant Materials Program

FY 2007 Accomplishments

Funds provided to Region 4 in 2007 were used to expand studies of six principal perennial grass taxa to define the occurrence and identification of different ecotypes of each species that occur within the Colorado Plateau. Wildland seed collections of each grass species were significantly increased to obtain genetic material from the principal geographic populations within the Plateau. Funds were also used to establish representative wildland study sites to evaluate the performance of species under study.

Plant Selection and Development:

- Using data compiled to identify the areas of occurrence of the six individual perennial grasses, systematic and extensive seed collections were conducted for each species. Seed collections were obtained from approximately 80 separate locations in Utah, southwestern Colorado, and limited regions of northern Arizona.
- Seed obtained from regional collections was processed and cleaned prior to the instigation of seed germination, seedling vigor, and seedling establishment studies.

Plant Culture and Seed Rearing Studies:

- Support was provided to the existing Colorado Native Plant program to maintain the plant biology and agronomic rearing studies with 12 different perennial grasses, 14 broadleaf herbs, and 6 native shrubs.

Species Adaptability Studies:

- Seeds obtained of individual grasses from the multiple collection sites have been prepared for a series of ecological and adaptive studies.
- Six wildland study sites representing ecological conditions throughout the Colorado Plateau have been identified and evaluated.

Training and Dissemination of Information:

- Assistance was provided for the development of a three-day workshop and training session conducted in Grand Junction, Colorado. The program was designed to assist and furnish information related to plant community restoration to agency personnel and land managers.
- Project personnel participated in providing talks at 7 scientific conferences, co-authored two scientific papers, and developed and directed a workshop for the BLM related to the restoration of gas and oil disturbances.



Year Awarded: 2007

Project completion: 2009

Report number: 1 of 3

Expenditures:

- FY07 funding: 160,000
- Expend: 70,000
- Remaining: 90,000

Partners/Contractors/Coop: USFS Region 2 & Region 4, USDI BLM Colorado and Utah State Offices, Colorado Division of Wildlife and Utah Division of Wildlife Resources in cooperation with the Great Basin Station, UT; Colorado State and Brigham Young Universities, Snow College, UT; Meeker Plant Materials Center, CO; USFS Lucky Peak Nursery, ID, Lone Peak Nursery, UT.

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**Dixie, Fishlake, & Manti La-Sal National Forests,
Intermountain Region**