

# Native Genotypes for Southern Appalachian Bioregion

## 2013 Accomplishments

The project was developed in 2009 by the National Forests in NC to collect and establish Southern Appalachian grass and forb genotypes for evaluation and production. These genotypes will be utilized in the future to restore plant communities after invasive plant control projects or severe burns, for establishment in newly disturbed areas, and establishment for wildlife benefit.

The remaining funding used in FY 2012 allowed for maintenance and seed harvest from the existing beds at Warren Wilson College. Additional funding allocated to the Cherokee NF was used to develop, advertise, and award a contract for expanded production of all 11 species over a three year period. The contract was awarded to Roundstone Native Seed, LLC in the amount of \$54,396 late in fiscal year 12.

Under the provisions of the contract, Roundstone Seed will work with WWC to maintain and harvest seed from the existing 1 acre while putting an additional 2-3 acres under production at their facility in Upton, KY. Roundstone will be responsible for all seed cleaning, conditioning, testing, and storage in a temperature and humidity controlled warehouse. Over the course of the contract, the contractor will deliver status reports and agreed upon quantities of southern Appalachian ecotype seed. All seed will be cleaned, tested, labeled to species, and guaranteed to be 60% pure live seed (PLS) for grass species and 50% PLS for forb species, where PLS is determined as purity X total viable seed. An additional 1.8 acres of production was added to the contract in 2013 using returned fire funds.

The picture below shows plugs being planted in the production fields in Upton, KY.



Cherokee National Forest  
2800 N. Ocoee St  
Cleveland, TN 37312



National Forests in North Carolina  
160A Zillicoa St.  
Asheville, NC 28801



Production beds at Warren Wilson College



Deer tongue (*Dichanthelium clandestinum*)  
blooming at Warren Wilson College

Year Awarded: 2009

Project completion: 2015

Report number: 4 of 7

Expenditures:

- FY09 funding: \$218,178
- FY10 funding: \$ 35,000
- FY11 funding: \$ 10,000
- FY 12 funding \$ 7,500 and \$54,396
- FY 13 funding \$ 22,000

Partners/Contractors/Coop:

North Carolina Botanical Garden, Warren Wilson College,  
USDA Beech Creek Seed Orchard, USDA National Seed  
Lab, Roundstone Native Seed LLC.

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