

John T. Harrington Forestry Research Center

BE BOLD. Shape the Future.
College of Agricultural, Consumer
and Environmental Sciences



The John T. Harrington Forestry Research Center is located in Mora, N.M. and serves as the sole organization in the southwest for expertise in forest restoration research. The JTH FRC research efforts have evolved since the start of the program in 1972, starting as a program focused on tree improvement for commercial tree value before developing into one that now focuses on restoration via tree planting after large catastrophic fires. Over the last 15-plus years, the JTH FRC has created the only research program in the southwestern U.S. that focuses on forest nursery technologies, tree improvement, and ecophysiology of young forest trees to facilitate ecological restoration and/or commercial reforestation.

AT LEAST 20 PUBLIC-PRIVATE PARTNERSHIPS, INCLUDING FORT

FORT (Forest Restoration Triangle): Partnership between the JTH FRC, N.M. Highlands University Dept. of Natural Resources Management and N.M. Forest and Watershed Restoration Institute focused on restoring forest landscape in the southwestern U.S.



25 million acres of forest in N.M., about a third of the state.



Forests in the southwest supply up to **77% of renewable water** used by municipalities and agriculture.



Largest supplier of seedlings in the southwestern U.S. — up to **300,000 per year**.



Drier conditions have increased forest fires and the **demand for forestry research**.



(continued on back)

ACES Pillars for Economic and Community Development



The College of Agricultural, Consumer and Environmental Sciences is an engine for economic and community development in New Mexico, improving the lives of New Mexicans through academic, research, and Extension programs. New Mexico State University is an affirmative action/equal opportunity employer and educator. NMSU and the U.S. Department of Agriculture cooperating.

2019 IMPACTS

Produced **55,600 seedlings** for forest restoration purposes. That's about **278 acres** of restored forest land at **200 trees per acre**.

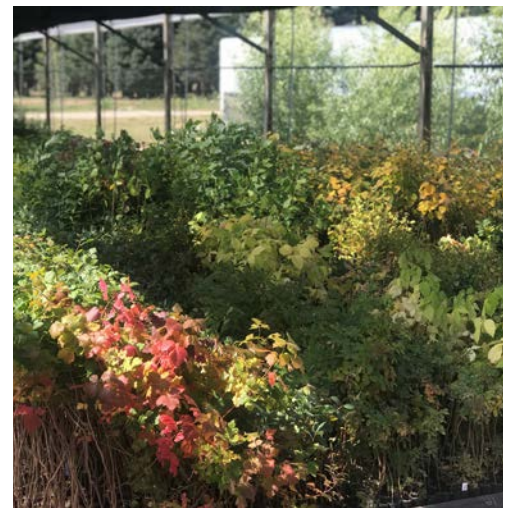
N.M. has **2.6 million acres that need reforestation** which is between **400-700 million seedlings**. This estimate does not include future forest fires.

External funding generated by JTH FRC exceeds \$5 million for 2019. The primary source is a **National Science Foundation Center for Research Excellence in Science and Technology Grant**.

Involvement in the **Trillion Trees Initiative**, a bipartisan program for reforestation working at the federal level.

ONGOING RESEARCH

- Testing effects of drought stress on aspen and ponderosa pine induced during the nursery growth phase
- Examining aridity adaptability from a range of temperature and precipitation
- Assessing migration of seed transfers in a changing climate



REFORESTATION IS THE TOP CLIMATE CHANGE SOLUTION IN TERMS OF CARBON STORAGE.



JTH Forestry Research Center

547 NM Hwy 518

Mora, NM 87732

Phone: (575) 387-2319

Email: moraasc@nmsu.edu

Web: morasc.nmsu.edu

New Mexico State University Agricultural Experiment Station