

Position Announcement - Research Scientist, Intermediate



John T. Harrington Forestry Research Center

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BACKGROUND

The John T Harrington Forestry Research Center (JTH FRC) with NMSU in Mora, New Mexico was established in 1972 to address many of the state and regional issues related to forest regeneration after timber harvesting and forest fires. Since the inception of the JTH FRC, forest health in New Mexico and the entire southwestern US region has continued to decline due to a combination of factors that include historic fire suppression, increased fuel densities, increased drought, and a lack of proper forest management. As a result of these factors, forests of the southwestern US have been burning at catastrophic levels, especially in recent years. The effects of these fires influence downstream water sources (municipal and agricultural), forest-stocking levels, wildlife habitats, and many other critical resources. Reforestation of these severely burned forest lands is not commonly practiced in the southwest primarily due to a lack of knowledge and resources. It is critical to promote applied research that will address these forest health concerns including forest restoration and reforestation.



The JTH FRC has developed the only research program in the southwestern US that focuses on forest nursery technologies, tree improvement, and ecophysiology of young forest trees to facilitate ecological restoration of post-fire environments. Many organizations across the southwestern region rely on the JTH FRC for expertise in designing forest restoration research projects and implementing forest planting projects. Additionally, the JTH FRC has become the largest producer of tree seedlings in the southwestern US with a

current capacity of 300,000 per year, which supply seedlings to most of the organizations listed above for both research and operational plantings.

JOB DESCRIPTION

This position will support research programs performed by the JTH Forestry Research Center (JTH FRC) that are aimed to improve forest restoration and reforestation efforts in the southwestern US and around the world. More specific duties include:

- Assist with ongoing research projects (design, implementation, measurements, data analysis, and writing).
- Develop new research projects related to the reforestation pipeline.
- Collaborates with users and principal investigators on design, analysis, application, and reporting of research projects
- Produce publications, presentations, and reports based on research findings.
- Prepare grant proposals to obtain funding in support of research activities.
- Manage the research laboratory at the JTH FRC.
- Supervise the Lab Coordinator position with the JTH FRC.
- Supplies technical leadership and consultation to professional co-workers, collaborators, and graduate students.
- Maintains current knowledge with respect to relevant state-of-the-art technology, equipment, and/or systems.
- Other duties as assigned by the Director or Farm Manager of the JTH FRC.

QUALIFICATIONS

- Minimum – PhD degree with 3 years of experience.
- Experience with statistical software packages (i.e., R, SAS, etc.), GIS, and basic software programs (Word, Excel, PowerPoint).
- Effective oral and written communication skills.

TRAVEL

Travel may be up to 20% of the total time in the position with some areas of travel in remote locations requiring the establishment of spike camps with vehicles.

LOCATION

The duty station will be based at the JTH Forestry Research Center located in Mora, NM.

SALARY

Starting Base Salary: \$65,090*

**actual starting salary will be based on education and experience*

APPLICATION DETAILS

<https://careers.nmsu.edu/jobs/research-scientist-inter-remote-locations-new-mexico-united-states>

Job Announcement Closes: Aug 18 2023 at 23:55 MDT

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