MCINTIRE-STENNIS

Funded Research at the University of Kentucky

University of Kentucky

Forestry and Natural Resources
College of Agriculture, Food and Environment

McIntire-Stennis provides capacity funding used at the University of Kentucky to drive significant work by 11 researchers to address issues critical to the conservation and use of Kentucky's forests and natural resources. This research effort also results in the development of graduate students providing scientific expertise to industry, agencies, non-profits, and universities to address issues critical to our state's environmental and economic well-being.

ECONOMIC AND ENVIRONMENTAL IMPACTS

Long-term McIntire-Stennis projects at the University of Kentucky's College of Agriculture, Food and Environment have focused on forest, water, and wildlife issues important to Kentucky, resulting in significant environmental and economic contributions.

125 million trees

planted using improved practices to reforest surface mines and abandoned agriculture lands

3,319 streams

annually afforded protection through the use of scientifically developed timber harvesting best management practices

$5.3 billion

in annual economic contributions positively impacted by research used by forest industry and in wildlife management

251,200 acres

of privately owned forest land in Kentucky annually improved or positively impacted

13 million

acres of public land in 8 states including Kentucky using research-based management

About McIntire-Stennis

The McIntire-Stennis program, a unique federal-state partnership, cultivates and delivers forestry and natural resource innovations for a better future. By advancing research and education that increases the understanding of emerging challenges and fosters the development of relevant solutions, the McIntire-Stennis program has ensured healthy resilient forests and communities and an exceptional natural resources workforce since 1962.

TRAINING PROFESSIONALS AND VOLUNTEERS

McIntire-Stennis projects at the University of Kentucky, while yielding impactful science, also produce highly skilled post-baccalaureate professionals working in Kentucky and throughout the US, providing critically needed expertise to deal with mounting pressures to our forests and natural resources. The projects also provide undergraduates, high-schoolers, and resource professionals with exposure to scientific insight and significant opportunities for advancement. Projects have resulted in:

- 103 post-baccalaureate PhD and masters trained professionals
- 819 undergraduate students
- 20,000 volunteers engaged
- 4,100 forest and natural resource professionals trained in the use of practices that were developed using science generated from McIntire-Stennis projects at the University of Kentucky.

SUMMARY

Every dollar in McIntire-Stennis funding received by the University of Kentucky has been matched by 3 dollars in state, grant, and gift funding, resulting in a total research allocation of over $2 million annually.

As can be seen by these accomplishments the McIntire-Stennis program provides research capacity funding that has, and continues to be, fundamental to generating meaningful science and trained professionals. This combination allows us to tackle real world problems and improve the economic and environmental benefits from our forests and aligned natural resources.