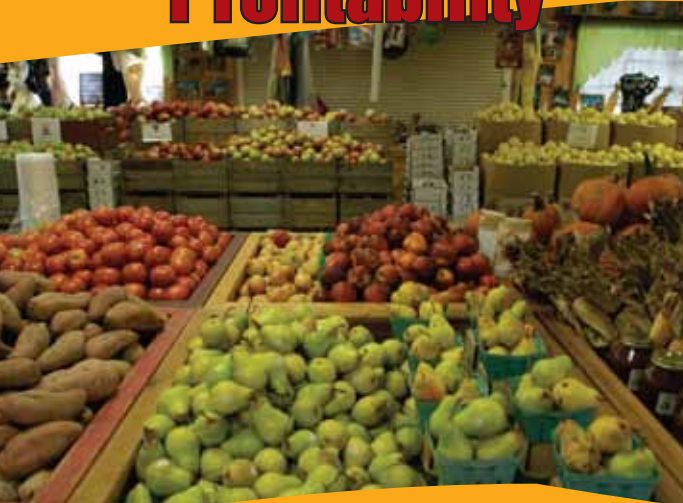




Agricultural Profitability



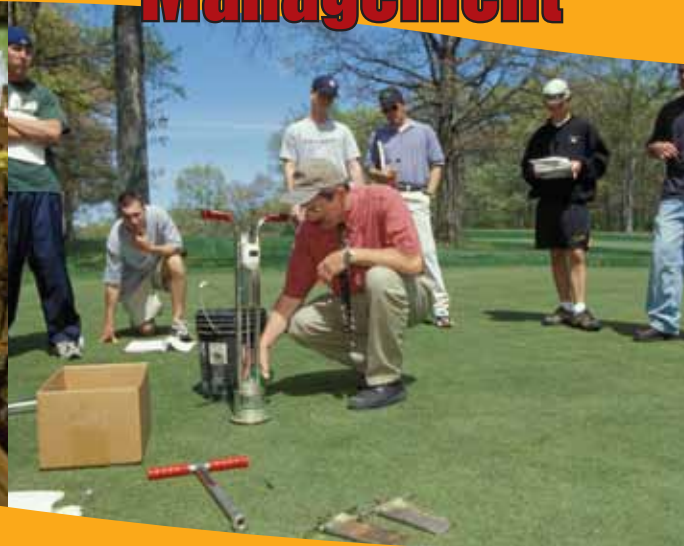
A new virtual Center for Beginning Farmers & Enterprise Development helps farmers interested in value-added enterprises conduct market research studies, perform cost benefit analyses, and develop business and marketing plans.

The Plant Protection Center established in cooperation with the College of Chemical & Life Sciences will be a leading regional resource for research, teaching, and training in plant diagnostics and protection of agricultural crops.

A research team including AGNR animal scientists developed and patented a real-time computer-based diagnostic system, StepMetrix TM, to identify dairy cattle lameness before it is visible.



Land Use and Management



University of Maryland's Forestry Correspondence Course has helped forest owners write 300 forest management plans impacting almost 6,000 acres.

Agricultural and Resource Economics' workshops give farmers estate-planning information and tools, enabling them to keep from selling irreplaceable farmland.

The Institute of Applied Agriculture collaborates with the nonprofit Lawn Institute, incorporating standards and recommendations for the improvement of lawns and sports turf into course content.

Maryland Cooperative Extension's Maryland Woodland Stewards has trained 365 forest landowners, who in a typical year volunteer 2,400 hours, educating some 9,000 people about forestry and wildlife Best Management Practices.



Wildlife, Woodlands and Landscape Management



Animal & Avian Sciences researchers are investigating the health risks of endocrine disrupting chemicals (EDCs) from some pesticides, herbicides, and industrial chemicals.

The Woods in Your Backyard manual & workbook teaches landowners with 10 acres or less how to reduce lawn size & create natural, wooded landscapes.

University of Maryland's Master Gardener Program's 1,120 active volunteers gave over 72,278 hours of their time in 2007 to help Maryland citizens create sustainable gardens and landscapes and reduce the pollution of Maryland's water resources at a value of \$1.47 million.



Animal Health and Development



AGNR faculty conduct applied nutritional studies at the college's Equine Research Unit aimed at improving the health and management of Maryland's horses.

85% of the 2006-07 Animal & Avian Sciences graduates who applied were admitted to vet school.

Over 400 Russian veterinarians and animal meat safety inspectors have received training via veterinary videoconferences led by an interdisciplinary team of UM faculty.

AGNR researchers are conducting genome-wide analyses to identify genes managing growth and body composition in broiler chickens to help broiler breeders meet industry standards.



Agriculture Basics and Innovations



College researchers are exploring alternative uses for tobacco, including vaccine development and high-value proteins for nutrition supplements.

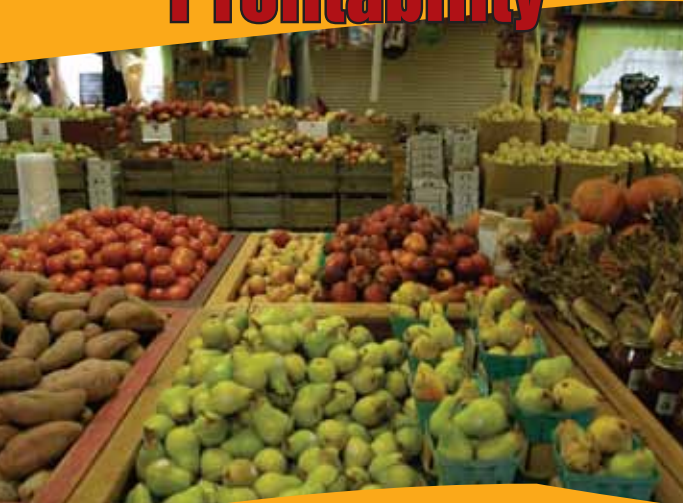
The Landscape Plant Management Program offers an Integrated Pest Management/Plant Health Care short course to give professional landscape managers up-to-date information on pest management strategies.

Animal & Avian Sciences research shows that adding the enzyme phytase to feed can reduce the phosphorus in a broiler chicken's diet by 23%, resulting in a reduction of phosphorus in manure fertilizer and a reduction in phosphorus entering the Chesapeake Bay watershed.





Agricultural Profitability



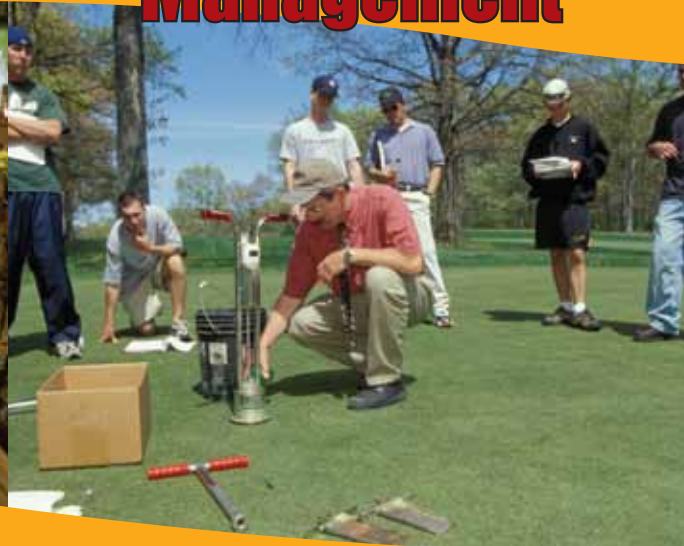
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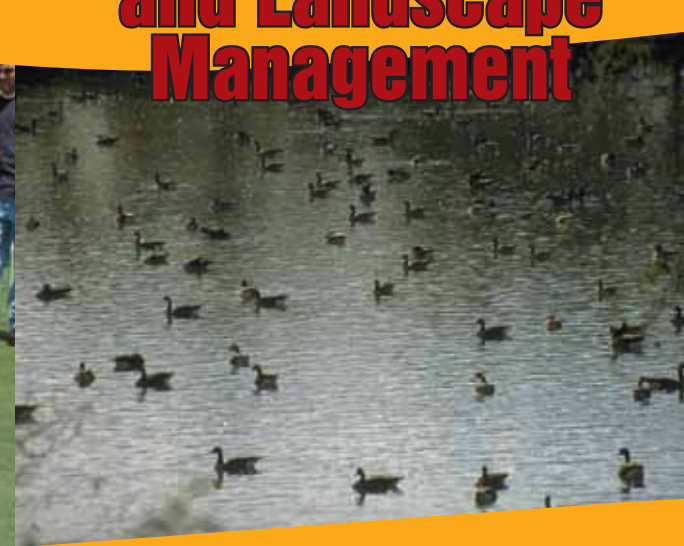
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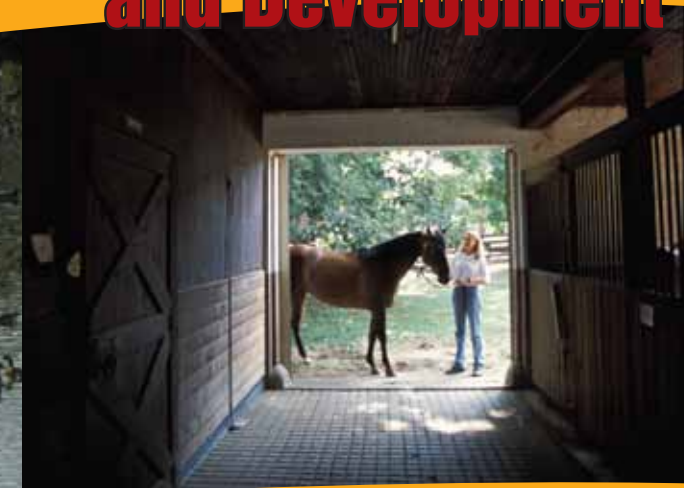
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