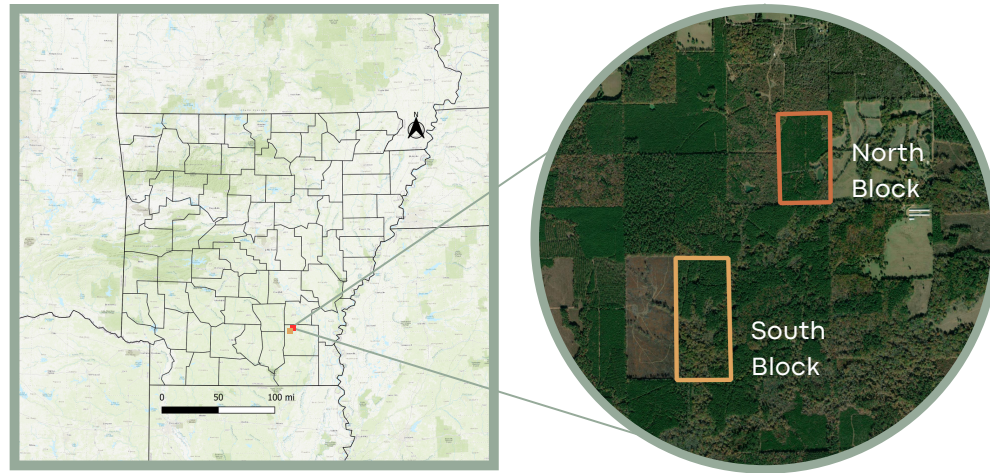


URBAN TREE BENEFITS

UAM's Groce Property

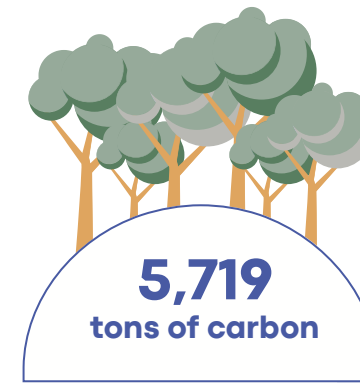
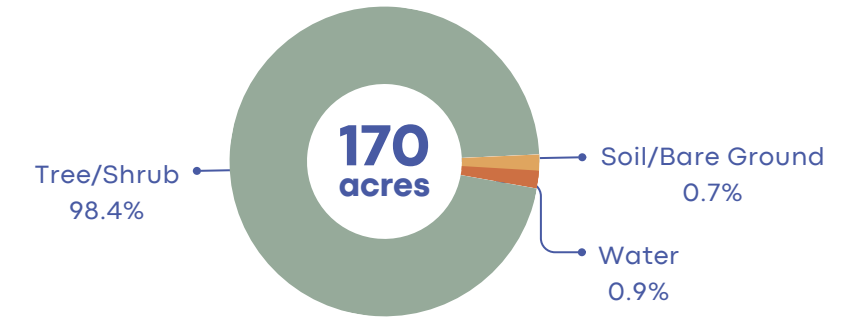
The University of Arkansas at Monticello (UAM), established in 1909, is a public university part of the University of Arkansas System. UAM owns more than 1,650 acres of land of which the Groce Property account for 170 acres. This property is located 15 miles north from the main campus and is divided into South Block (100 ac) and North Block (70 acres). UAM achieved the Tree Campus USA status in 2010 for promoting healthy urban forest management and engaging the campus community in environmental stewardship.

Arkansas (Left) and Groce Property (Right)



Groce Property Land Cover Class

Trees and shrubs are the Groce Property dominant land cover type.



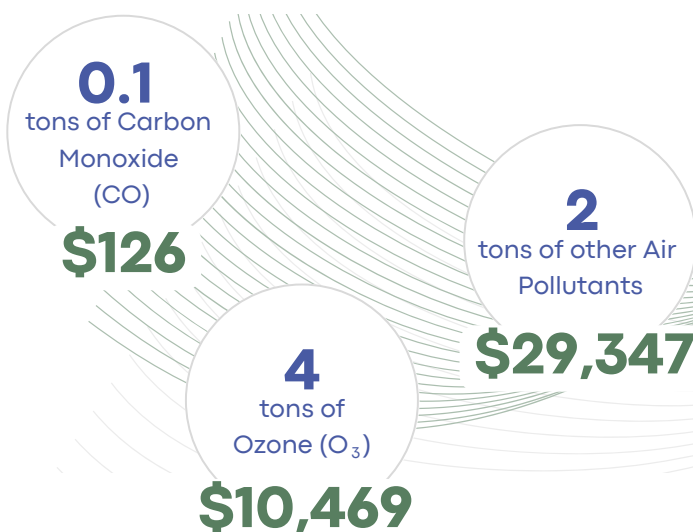
Total Carbon Storage

\$977,377

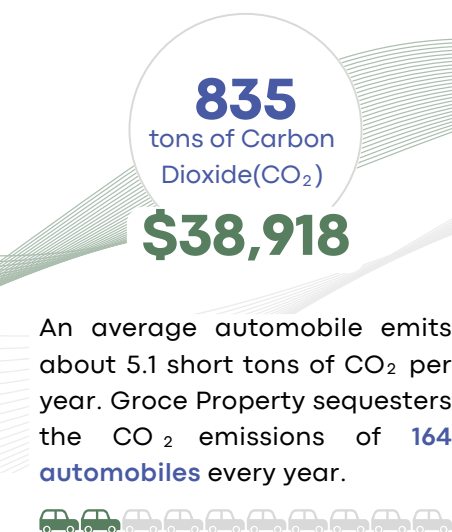
Groce Property's forest has provided ecosystem services valued in almost \$1 million to its surrounding communities from the storage of about 6 tons of carbon, which is equivalent to approximately 21 thousand tons of CO₂.

Annual Benefits

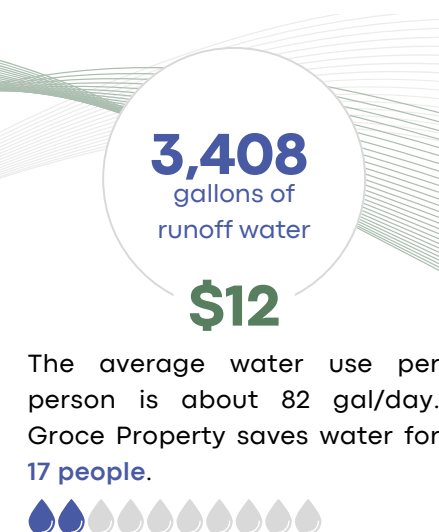
Air Pollution Removal



Carbon Sequestration



Avoid Runoff



Total Annual Economic Benefits

\$78,872

The trees at Groce Property remove about **6 tons of air pollutants** (CO, O₃, NO₂, SO₂, PM2.5, PM10) from the atmosphere, sequester almost **1 thousand tons carbon dioxide (CO₂)**, and avoid runoff of more than **3 thousand gallons of water** equivalent to approximately **\$79 thousand annually** in benefits to the community.

