



**Agro-Forestry Based Control for Cedar
Apple Rust Disease and Deer Browsing in
Organic Apple Orchards** SARE FNC20-1227

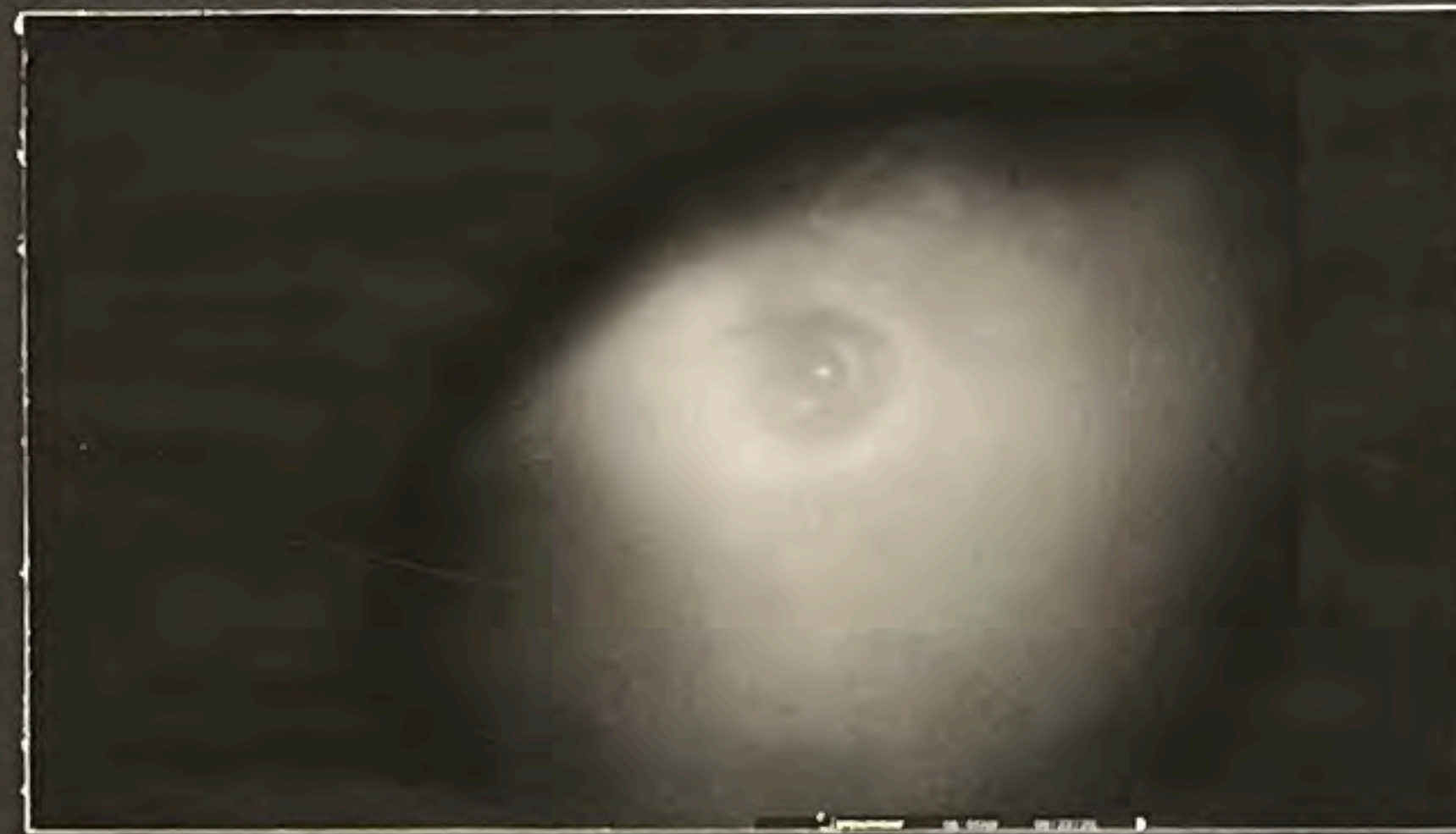


Presenter: Dan Kelly Owner of Blue Heron Orchard Canton, Missouri

Background: Planted a five-acre apple orchard in northeast Missouri in 1990 which is the first certified organic orchard in the state. This is his third SARE grant related to organic apple production. In 2016 received a VAPG for organic processing into new markets, and a Sustainability grant from the Missouri Department of Agriculture for creating a commercial straw-bale apple storage structure.



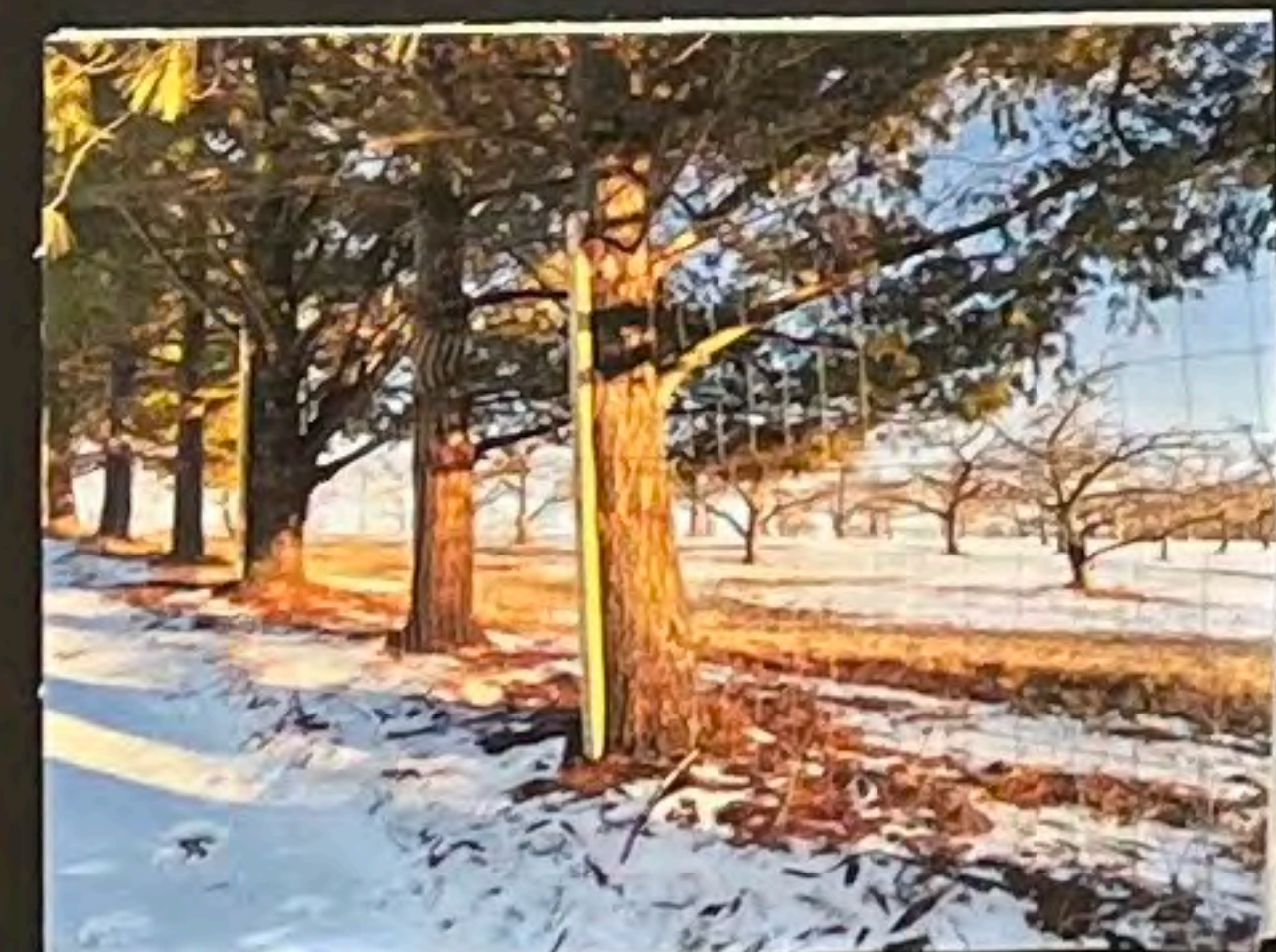
Core Issues



NEWA

Blue Heron Orchard - KMO CANTO4

FORECAST FOR CANTON, MO



PROPOSAL SYNERGY: Improved income and profitability

To harvest on-farm mature Eastern Red Cedar trees (*Gymnosporangium juniperi-virginianae*) for posts to create an eight foot fence and deter deer and raccoons from entering the orchard. Deer, especially, damage newly planted trees and browse the tree's fruiting buds in winter and summer often killing low branches. Both mammals eat the apple crop. Eastern cedar trees, in proximity to apple orchards are symbionts and can negatively impact susceptible apple tree varieties by hosting the Cedar Apple Rust (CAR) disease. Cutting down and utilizing the cedar trees for eight-foot fence posts will reduce the possibility of CAR to infect apple trees and restrict entry into the orchard.





VIDEO / 11 MINUTES
by cherie sampson

