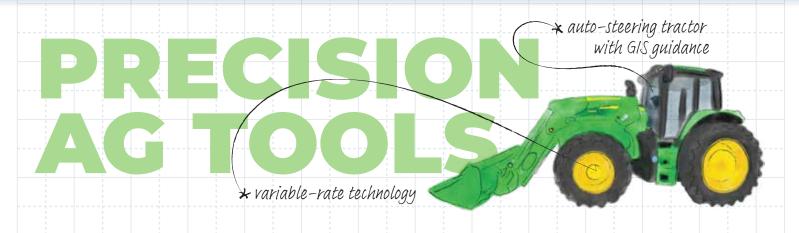
Smart Farming:

Al, Robotics and Digital Technology

The N.C. Agricultural & Technical State University Farm is making key investments in precision technologies to increase food production resiliency and protect the environment. Drones, robotics, "smart" tractors and implements with sensors that can securely gather quality data all help us educate farmers, and students, about data-driven decision-making and efficient production. In the College of Agriculture and Environmental Sciences, we're bringing science and society one step closer together.





AGRICULTURE AND ENVIRONMENTAL

* capture leaf surface reflected radiations — part of the light spectrum invisible to the human eye — that indicate a plant's health

DRONES

*provide
real-time
information
regarding crop
status nondestructively

* provide data on soil composition and plant nutrition

*help gauge crop stress and soil moisture levels to reduce water waste

*average seed savings
4.3% per acre



* allows for selective spacing

North Carolina Agricultural and Technical State University (N.C. A&T) is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master's and doctoral degrees.

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