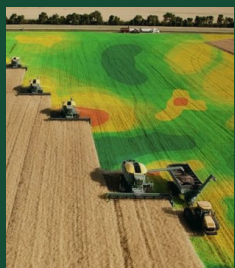


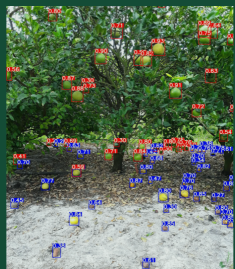
Empowering American Agriculture Through Scalable AI-Powered Solutions

DASH delivers real-world tools - faster!



SCALABLE INFRASTRUCTURE

- Maximizing USDA investments by using SCINet high-performance computing
- Integration across satellites, drones, robots, and tractors



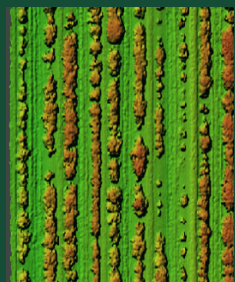
DATA & MODEL DEVELOPMENT

- Annotated image repositories for robust training across all agricultural species
- Models that move across scales; from single plant to whole fields



DEPLOYABLE AI TOOLS

- User-friendly integrated software & hardware tools
- Precision mapping of pests and stresses for decision systems



DELIVERING RESULTS

- Accelerated cultivar release and breeding decisions
- Nationwide open-source access to decision support tools for researchers and farmers

DASH. harnesses cutting-edge agricultural research:

- Into Artificial Intelligence (AI) tools aiding U.S. farmers, breeders and researchers to make better decisions.
- Closes the deployment gap, increasing research efficiency, and fully utilizing USDA's SCINet computing center.
- Transforms research innovations into real-world across the U.S.





DASH. BY THE NUMBERS

1

Unified SCINet
Integration Strategy

5⁺

Deployment Tool
Platforms

29

States Implementing
ARS Technology

AI Solutions

From the handheld and unicycle-mounted Plant Map 3D monacam to our comprehensive tractor-mounted multicam, our versatile systems **capture data in any environment and any commodity**. Combined with our robotic semi-field platform BenchBot and broad UAV collection, we provide the **robust foundation for your most innovative AI solutions**.



Delivering new crop cultivars and precision pest, nutrient, and water management solutions across corn, soybean, wheat, cotton, citrus, sugarcane, and counting!



TED Talk about
AI in Agriculture

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