

SOLUTION:
EdgeINDUSTRY:
Higher EducationCOUNTRY:
United States**PURDUE**
UNIVERSITY

A PROMISE TO FIGHT WORLD HUNGER

“The HPE and Aruba solutions help us reduce the time it takes to translate scientific research into technologies that will enhance food security and improve lives around the world.”

– DR. RICHARD GRANT

PROFESSOR OF AGRONOMY
PURDUE COLLEGE OF
AGRICULTURE

Founded in 1869, the Purdue University College of Agriculture, is one of the university's 10 major academic divisions and a world leader in the science of agriculture, food, and natural resources.

USE CASES

- Launch a new digital agriculture research program that combines IoT and high performance compute
- Equip a 1,408-acre field station where researchers can study plants, husbandry, and harvesting techniques
- Enable researchers to drive maximum value from data

REQUIREMENTS

- Automated data capture in the field paired with powerful compute resources
- Ruggedized system to support field research
- Real-time visibility into field data to respond quickly to events

SOLUTION

An Aruba wireless network, paired with an HPE Edgeline IoT System on-site, and HPE Apollo 4000 back on campus allows groundbreaking ag research.

OUTCOMES

- Support breakthrough scientific research and manage ACRE facility more effectively
- Track data in real time, and quickly set up and run experiments to test the impact of different variables
- Maximize confidence in field measurements, which supports better research outcomes

KEY PARTNERS

- Cloudera
- Micro Focus
- American Digital Corporation

ADDITIONAL RESOURCES



[CASE STUDY: A promise to fight world hunger](#)



[VIDEO: Purdue University College of Agriculture and HPE: Feeding a planet using data analytics at the edge](#)

→ EXPLORE DIGITAL GAME CHANGERS

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