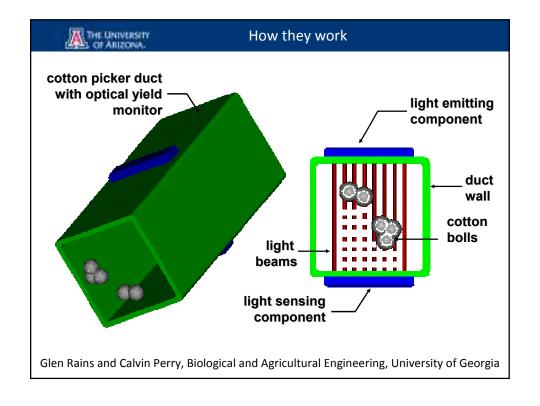


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Presentation Outline

- Basic information of yield monitors
- Components of yield monitors
- Benefits of using yield monitors
- Yield data to delineate management zones
- Cost of yield monitoring system and related components







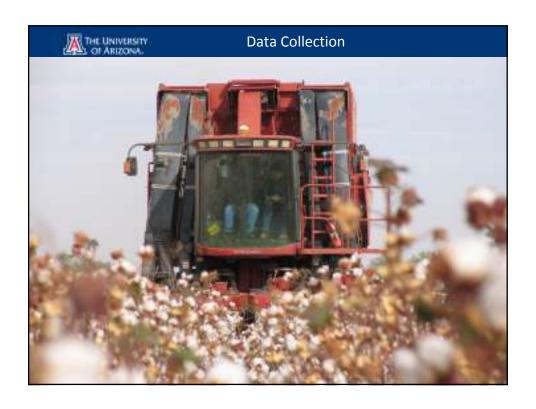
Cotton Yield Monitoring Systems: Components

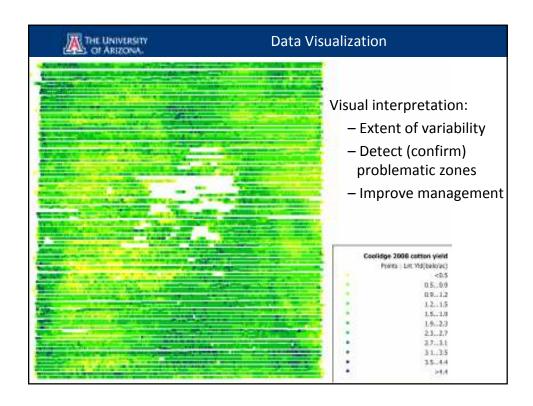
Hardware:

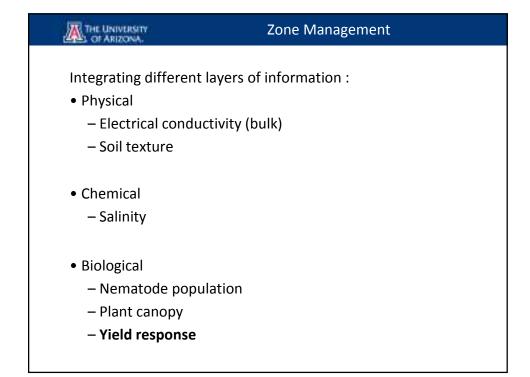
- Several brands (AgLeader, Agriplan, Farmscan)
 - Optical sensors → flow rate information
 - Fan speed sensor → compensation
 - GPS receiver → position information
 - Console display → computations

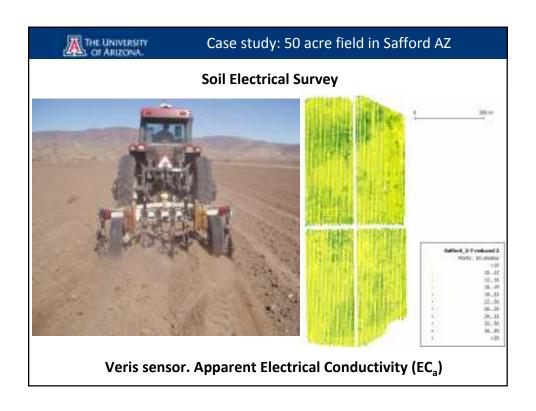
Software:

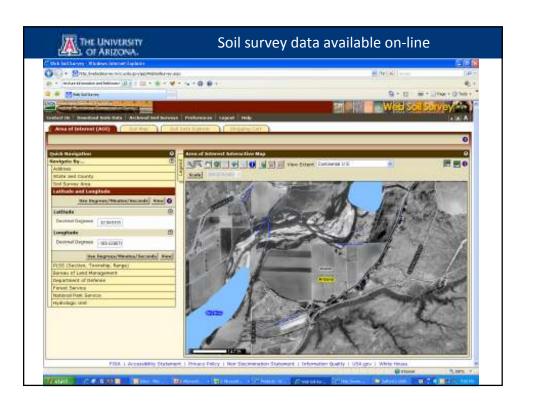
- Farm management proprietary software (Case-IH, John Deere)
- High-end GIS
- Generic GIS



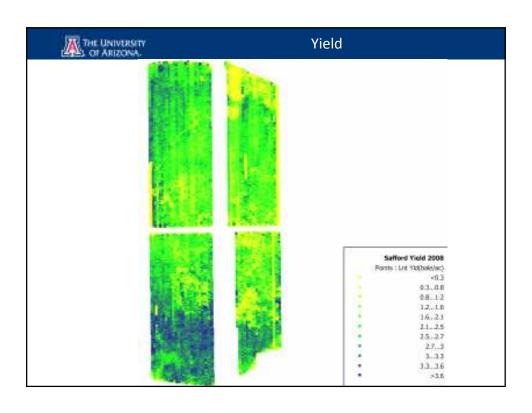


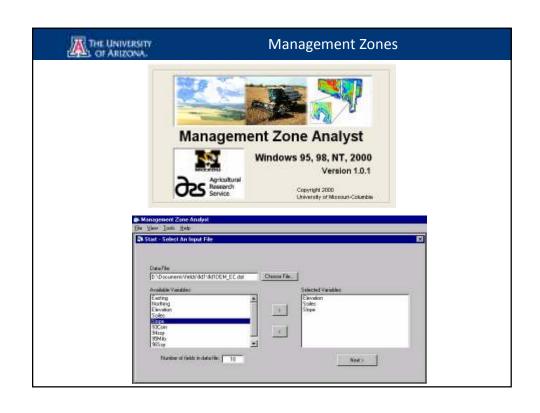


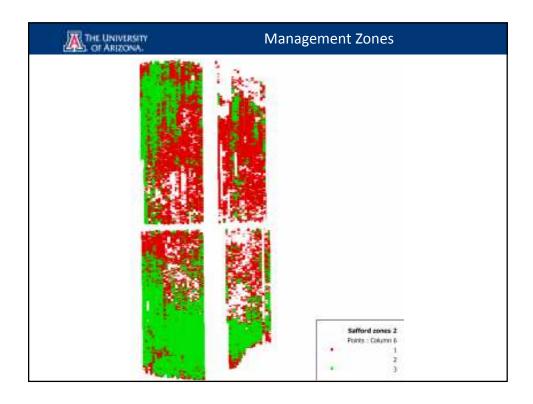














Variable Rate Applications



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Cotton Yield Monitoring Systems: Approx. Costs

Hardware:

Optical sensors

- Console display
\$ 10,000

- Fan speed sensor

- GPS receiver \$ 1,500- Retrofit kit \$ 1,700

Software:

- Farm management proprietary software

- High-end GIS \$ 1,300/year (basic, no modules)

– Generic GIS \$ 300/one-time

Free software and other electronic resources available on-line