1. New facilities planned or installed
   ● New transgenic greenhouse complex (5,760 sq ft greenhouse, 6,120 sq ft future greenhouse space and 1,392 sq ft Arabidopsis growth room) was constructed on the top of parking garage building.

2. Cooperative/interdisciplinary projects
   ● Optimization of transplants transportation environments [Dr. Chieri Kubota, Plant Sciences]
   ● Production of high quality cherry tomatoes under semi-arid climate [Johann Buck, Plant Sciences]
   ● Production of high sugar and high lycopene tomatoes under semi-arid climate [Min Wu, Plant Sciences]
   ● Measurement of canopy gas exchange and energy balance of greenhouse tomato plants. [Chieri Kubota, Plant Sciences]
   ● Use of narrow-waveband LEDs for in vitro induction and development of carrot somatic embryos [Joel Cuello, Ag. Biosystems Eng.]
   ● Design of cyanobacterial flat-plate photobioreactor for sequestration of CO₂ [Joel Cuello, Ag. Biosystems Eng.]
   ● Performance Testing of Water-Cooled LED arrays [Joel Cuello, Ag. Biosystems Eng.]

3. Workshops/colloquia/symposia
   ● A Greenhouse Crop Production and Engineering Design Short Course was held for January 19 to 22, 2004, as a continuing professional education short course from the University of Arizona. The course programs can be viewed at http://www.ag.arizona.edu/ceac/. The meeting included a tour to EuroFresh Co. (Willcox, AZ).

4. Recent Publications

5. Internet Sites
- The University of Arizona Controlled Environment Agriculture Center home page: http://ag.arizona.edu/ceac
- Tomato Live! Website: http://ag.arizona.edu/ceac/tomlive/index.htm
- Greenhouse education materials repository: http://badger.uvm.edu/dspace/handle/2051/1924

6. Video
- Arizona greenhouse videos: http://badger.uvm.edu/dspace/handle/2051/1932//browse-title

7. New course
PLS 579/ABE 579 Applied Instrumentation for Controlled Environment Agriculture [Kubota and Giacomelli, 3 units]