The Debra Ann November Research Greenhouse Construction Report

Ana B. Locci, Director
Greenhouse Problems

- 47 year old “glass” greenhouse
- Foundation problems
- Poor energy efficiency glass
- Three large working rooms with a common entrance.
New Greenhouse

- Mr. and Mrs. Mort & Iris November have graciously donated a gift for a new Greenhouse at the Farm.

- New building will be named The "Debra Ann November Research Greenhouse".
Old Greenhouse demolition

November 14 -18, 2005
New Greenhouse floor plan

- This new facility will have six separate rooms for research and teaching.
- Each room will have its own access, making sure there will be no cross-contamination.
- A catwalk will provide access to each house.
New Greenhouse as a “Green facility”

- Wall and roof material: 8 mm Poly with high “R” value
- Insulated foundation
- Individual temperature control room
- Recycling of foundation material as construction driveway
- Individual rooms floor drainage
- Rain water collection for watering
New Greenhouse

Foundation with insulating material

December 5 -9, 2005
Greenhouse construction

Feb 9 -10, 2006
Greenhouse construction

Feb 15, 2006
Greenhouse construction

Feb 16, 2006
Greenhouse construction

Feb 20-21, 2006

Hallway and rooms separations
Greenhouse construction

Feb 27-28, 2006

Greenhouse poly walls installation
Greenhouse construction

Outdoor poly walls installation is finished

March 10, 2006

Installation of six fans
Greenhouse construction

March 10, 2006

Poly roof was finished

8 mm double poly walls coated for condensation resistance and UV protection
Greenhouse construction

March 16, 2006

Hallway and outdoor louvers