

HUNDLEY WHALEY RESEARCH CENTER BITS AND PIECES

2008 Important Dates

February 11

HWRC Advisory Board Mtg

September 3

HWRC Field Day

September 16

Ag Science Field Day

HWRC EVENTS & USAGE CONTINUES TO GROW IN 2007

The number of meetings, and events continues to grow each year with the completion of the LDC and other facilities at the Center. Over 5000 people participated in 118 events and meetings ranging from company sponsored field day and informational meetings, Extension sponsored meetings, wedding receptions, to traditional fields days and the FFA Ag Science Day. Please feel free to contact us if you have an event you would like to hold at the Center.



USDA RURAL DEVELOPMENT PROVIDES FUNDING FOR HWRC SERVICE CENTER

Groundbreaking ceremonies were held before the annual field day on September 3 to celebrate the funding of a Service Center to be located in the northeast area of the HWRC. The 50 x 100 foot pole building will be used as a meeting facility for field days, FFA Ag Science Days, Extension meetings as well as to store the center farm equipment in the off season.

Initial dirt work and leveling was completed this fall with the building to be erected in March of 2008. Initial plans to have the building finished in 2007 were halted due to the onset of freezing weather before concrete pouring.



Photo Courtesy of the Albany Ledger

The Service Center will be completed with the partial assistance of a USDA Rural Development grant of \$65,000.

LEWIS AND CLARK INITIATIVE FUNDS FINAL LDC BUILDING PROJECT

Construction will soon begin in the Learning Discovery Center to finish the Messick Auditorium with the addition of two bi-fold room dividers, new flooring, a lowered tile ceiling and enhanced lighting more suitable for meetings and other events. Additional chairs and tables will be purchased to allow full use of the auditorium for larger groups. In addition, the parking lot will be expanded and landscaping will be completed around

the outside of the building. Funding for this project was made possible through the support of State Senator Brad Lager, and State Representatives Jim Guest, Jim Whorton and Mike Thomson for the Lewis and Clark Initiative legislation.

AG SCIENCE DAY HOSTS 450 FFA STUDENTS

The annual FFA Ag Science field day was held at HWRC on September 18. Fifteen schools were represented with student attendance near 450 students. Our goal continues to focus on bringing a hands on focus for students to experience see the many aspects of science in Agriculture. Topics included Beef Quality Assurance, fistulated cow nutrition demonstration, tree identifica-

tion, alternative energy on the farm, GPS and GIS mapping systems, forage production and What's New at MIZZOU. In all, seventeen stops were included in the round robin tour. Thanks go to University of Missouri state and regional extension specialists for assisting in making this event a success.

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FROM THE FIELD...

Strip Tillage and Fertilizer Placement in Corn

A strip tillage and fertilizer placement trial in corn was initiated with the support of the Missouri Corn Growers Association. Strip till was compared to no-till and conventional tillage with anhydrous ammonia, urea and ESN (stabilized N), P and K with placement in a band, surface applied or incorporated. First year yield results indicated strip till yields were equivalent to conventional tillage and nearly 9 bu/A higher than no-till. Banded P and K gave equal yields to broadcast applications.

Soybean Fungicides: Plant Health and Yield Effects

Dr. Laura Sweets evaluated thirty soybean foliar fungicide treatments for disease control and yield benefits at HWRC in 2007. Past results have shown an on again off again benefit to using foliar fungicides for yield enhancement. Yield results in 2007 showed no significant yield differences between any of the fungicide treatments and the untreated check. Yields ranged from 59 to 68 bu/A. No differences were observed in delayed senescence (stay green ability).

Bermuda grass Winterkill

Ozarka Bermuda grass sprigged in 2004 at HWRC died this past winter. Two factors contributing to the loss include a hard ice storm in the winter with an inch of sheet ice covering the plants and the hard spring freeze in April. Similar results were observed at the Forage Systems Research Center near Linneus. Based on these observations Bermuda grass may not fit as a long-term forage or hay type grass for northern Missouri.

Selecting High Yielding Varieties and Hybrids

The statewide and Hundley Whaley sponsored yield trials continue to show wide variation in yield potential of commercially available soybean varieties and corn hybrids. In the statewide trial conducted at HWRC, corn yields ranged from 208 to 125 bu/A. Soybean yields ranged from 65 to 48 bu/A. Try to target your seed selection to the highest yielding numbers from several testing locations. Trial results are available on the web at <http://agebb.missouri.edu/cropperf/index.htm> or in paper form at your local extension office.

A complete listing of 2007 HWRC trial results are available at our web site <http://aes.missouri.edu/hundwhal/> or will be available in our Annual Report.