

Development Of Soybean Varieties

Tour F Highlights Development Of Varieties For High Yield And Disease Resistance

MILAN, TENN.

The University of Tennessee Soybean Breeding and Genetics Program uses modern methods of classical plant breeding coupled with DNA laboratory technologies to develop high yielding conventional and Roundup Ready soybean varieties for producers in Tennessee and the Mid-South region. According to Dr. Vince Pantalone, professor with UT Plant Sciences, his program's Roundup Ready variety USG Allen ranked first for seed yield in its maturity class in the 2009 Tennessee State Variety Test, where it exceeded the commercial average by four bushels per acre.

"Based on commercial acreages of production during 2009, the extra bushels that it produced added more than 1.1 million dollars in addi-

tional farmer revenue compared to the average soybean variety that year," says Pantalone.

According to Pantalone, their newest variety for 2010 is USG 75T40, a top yielding early Group V Roundup Ready soybean with extraordinary resistance to soybean cyst nematode Race 2. Expect Pantalone to discuss this and other new and upcoming varieties, as well as research projects aimed at enhancing the stability of biodiesel fuel and improving soybean genetics during his presentation at the Milan No-Till Field Day. While on the same tour (Tour F: No-Till Soybean Production) visitors can also hear from USDA Supervisory Research Geneticist and Soybean Breeder, Dr. Prakash Arelli who will discuss development of conventional soybean varieties for improved resistance to Soybean Cyst Nematode.

For more information on these and other tours check out our website at <http://milan.tennessee.edu> or call 731-686-7362. Δ