

2005 Annual Summary

Comprehensive Disease Screening of Soybean Varieties in Arkansas

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Screens Conducted in 2005:

Root-knot Nematode. Greenhouse screen conducted by K. Hurst and T. Kirkpatrick at SWREC. Field evaluation of last year's R and MR cultivars (from the 2003 screen) conducted by Cliff Coker at Dermott, AR.

Soybean Cyst Nematode. Greenhouse screen for races 2, 5, and 6 conducted by K. Hurst and T. Kirkpatrick at SWREC.

Reniform Nematode. Greenhouse screen conducted by R.T. Robbins at UAF.

Stem Canker. Field screen conducted in stem canker nursery at SWREC by K. Hurst and J.D. Barham.

Foliar Diseases. Field screen conducted at two locations by M. Emerson and R. Cartwright.

Sudden Death Syndrome. Cultivars evaluated for SDS severity at the Cotton Branch Station by M. Emerson and J. Rupe.

Cultivars in the 2005 OVT (312) were evaluated. Data were transferred to Chris Tingle for development of the 2006 Soybean Update and revision of the SOYVA programs in late November. Our screening results data are too large to list in this summary, but can be obtained at: www.arkansasvarietytesting.org, or by contacting Kim Hurst, (870)777-9702, ext. 128; khurst@uaex.edu Mike Emerson (501) 676-3124; memerson@uaex.edu Terry Kirkpatrick (870) 777-9702, ext. 111; tkirkpatrick@uaex.edu Rick Cartwright (501) 671-2228; rcartwright@uaex.edu

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