Characterization of Early-Maturing Peanut Breeding Lines.

M.D. BUROW* and J. L. AYERS, Texas AgriLife Research, Texas A&M System, Lubbock, TX 79403, and Texas Tech University, Department of Plant and Soil Science, Lubbock, TX, 79409; A. M. SCHUBERT, Texas AgriLife Research, Texas A&M System, Lubbock, TX 79403; C. E. SIMPSON, Texas AgriLife Research, Texas A&M System, Stephenville, TX 79403; and M. R. BARING, Texas AgriLife Research, Texas A&M System, College Station, TX 77843.

We have identified a high-yielding, early-maturing runner line that yielded as well as or better than FlavorRunner 458 and Tamrun OL02 and matures earlier by approx two weeks. Seeds have a high oleic:linoleic fatty acid composition and are similar in size to Florunner. Several related lines yield well also but do not mature as early. Runner lines of a different population have demonstrated high yield, excellent shellout, and early maturity, and have some potential for tolerance to TSWV and Sclerotinia. Advanced Spanish and Valencia breeding lines outyield check varieties and are tolerant to Sclerotinia minor.