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Registration of ‘Tamrun OL11’ Peanut

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Abbreviations: L, linoleic; O, oleic; TSMK, total sound mature kernels; TSWV, *Tomato spotted wilt virus*.

ABSTRACT

‘Tamrun OL11’ (Reg. no. CV-____, PI _____) is a high yielding; high oleic, runner-type peanut (*Arachis hypogaea* L. subsp. *hypogaea* var. *hypogaea*) cultivar that has resistance to *Sclerotinia minor* Jaggard and improved grade attributes over previously released *Sclerotinia* resistant runner-type cultivars. It was tested under the experimental designation Tx055308 and released by Texas AgriLife Research at College Station, TX on _____, 20___. Tamrun OL11 was derived from a single cross between a high oleic, *Tomato spotted wilt resistant*, breeding line, Tx977116 F_{2,8}, and the cultivar Tamrun 98 which is low oleic and has a high percentage of total sound mature kernels (TSMK). Early selections were practiced using the pedigree selection technique. Initial yield testing began in the F_{3,5} generation in 2006 and ran through 2009 for a total of 25 multiple location trials. Tamrun OL11 performed equal to the *Sclerotinia* resistant Tamrun OL07 cultivar and superior to the widely grown Flavor Runner 458 cultivar for yield

22 and disease resistance under heavy *Sclerotinia* incidence. It also performed equal to Flavor
23 Runner 458 and superior to Tamrun OL07 for TSMK percentages. The objective of releasing
24 this line is to provide growers with a cultivar that will yield and grade equal to the currently
25 grown Flavor Runner 458 cultivar while reducing grower risk by maintaining the level of
26 resistance to *Sclerotinia* that the recently released Tamrun OL07 cultivar provides.