

## **New Metering Technology for Peanut Planting**

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New planting technology allows for improved precision for seed singulation, uniform population, and row by row shutoff. However, with some new meter designs that are substantially smaller than conventional planter meters from the early 1990's, there is concern as to how successfully larger seeded peanut varieties flow through the new meter systems in single rows at higher seeding rates. To evaluate any differences, a field trial was conducted in 2018 to compare seeding rate and planter speed with large and small-seeded peanut varieties using the vDrive with 20/20 Seedsense Technology from Precision Planting®.

Results indicate that the large-seeded (1320 seed/kg) runner variety, Tuf-511, at higher seeding rates and maximum planting speeds, consistency yielded less than slower planting speeds at the same seeding rate. Higher seeding rates (20 seed/m) and planting speeds also resulted in lack of uniformity in plant spacing and emergence for this variety. Yields were increased for the higher seeding rate when planter speed was reduced from 9.6 km/h to 6.4 km/h. Planter technology has been greatly improved over older designs, however, planter speed must be carefully considered based on seeding rate and peanut variety.