Comparison of Soybean Seed Metering Techniques: Field Trial. (A07-walker163815-Oral)

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Abstract:

Crops research centers in Indiana are often requested to plant soybean plots with large commercially available grain drills in lieu of more precise small plot equipment traditionally used for research. Concerns of non-uniform seeding and emergence (both within and between rows) and imprecision in seeding rates due in part to the seed metering system has brought this practice into question. A study at three research centers utilizing three different no-till drills was conducted in 2002. The grain drills were calibrated and used to plant plots using each of two seed metering systems: the fluted feed cup and a belt metering system. The two systems are compared in this paper for seeding rate variability, emergence loss, final stand and yield.

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