

Development of a Planter Clean Out Procedures Video. (A04-jarboe142716-Oral)

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Abstract:

In response to a growing demand for consistent, high-quality grains and oilseeds, the Iowa Grain Quality Initiative, Iowa State University (ISU) Extension, and Pioneer Hi-Bred International, Inc., developed a video that demonstrates planter clean out procedures to help growers preserve the quality and identity of their grain. ISU tested several planters to determine the best cleanout procedures for each planter style and seed-metering mechanism. The research found that if visible seed was completely removed when changing seed, unwanted seed levels dropped below 1.0% within 1,000 feet of operation. Planter clean out procedures were demonstrated for the Case IH Central Seed Hopper and Seed Drum, Case IH 1200 series, John Deere or Kinze Planter with Finger Mechanism, John Deere Planter with Soybean Seed Cup, John Deere Vacuum Planter, Kinze or John Deere Brush Seed Planter, White Air Planter, and Grain Drill. The clean out procedures demonstrated in the program, along with other proper planting, harvesting, and grain handling measures will help producers assure the crop's identity is preserved.

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