

THE 642E THREE-POINT BROADCAST HOODED SPRAYER WITH OVER CENTER FOLD**Steve Claussen****President of Willmar Fabrication, LLC****Willmar, MN****Abstract**

Spray drift and maintaining coverage continue to be concerns of growers' season after season. The new 642E Three-Point Broadcast Hooded Sprayers with Over-Center Fold is a simple and economical approach to reducing drift and maintaining consistent coverage. In addition, cotton growers can prepare for upcoming technologies through the use of the 642E (replaces the 642) and Redball® Broadcast Spray-Hoods. The 642E features less moving parts and includes PVC/polyurethane blended core hoses which help provide better chemical resistance and a triple rinse tank option to reduce the risk of chemical residue. As a result of 2013 testing and user experience, the 642E was engineered to reduce drift allowing users to spray field borders, buffer zones or the entire field while limiting the risk of chemical residue. The University of Nebraska, Lincoln, West Central Research and Extension Center in North Platte, Neb. was contracted to further verify drift reduction and coverage while using Redball® Broadcast Spray-Hoods.