

**REDBALL® BROADCAST HOODED
SPRAYERS FOR COTTON**

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Abstract

Timely broadcast applications of herbicides have become an integral part of proper weed control in cotton. As herbicides have evolved and today as technology brings us new genetics in seed, the manner in which we make these timely over-the-top broadcast applications is very important.

Introduction

In 1993, Redball introduced the Redball Broadcast Spray Hood in California. The Redball Broadcast Spray Hood was initially designed for applying Roundup® into the row middles of almond orchards and vineyards. The excellent crop safety that the hood offers allowed these permanent crop growers to make timely applications of non-selective herbicides in no-till and reduced-tillage practices.

The introduction of Roundup® Ready cotton created a need for broadcast spray equipment that would be accurate and consistent. The Redball Hooded Broadcast Sprayer enables growers to do their over-the-top, broadcast spray applications in an effective, safe, and timely manner.

Discussion

- A. How does the Broadcast Spray Hood make these broadcast spray applications safer and more effective.
- 1) Spray-Hood design.
 - a) The hood is designed to significantly limit the potential for spray drift in adverse wind conditions.
 - b) A front and rear wind curtain on each hood limits the amount of spray pattern exposed to adverse winds.
 - c) A single nozzle body is located in the top center of each 20' Broadcast Spray Hood.
 - d) The unique contoured design of the hood provides rigidity for a long service life. The "memory" characteristic of the polyethylene hood enables it to return to its original shape after encountering minor obstructions.
- B. Compare the advantages of the 640-Hooded Broadcast Sprayer to other open boom sprayers.
- 1) The initial broadcast application of Roundup® in Roundup Ready cotton is dictated by the growth stage of the weeds and the cotton plant itself.
 - 2) Generally speaking, there is a 3-4 week time period after the cotton is planted for the over-the-top broadcast application.
 - 3) Timely applications in this narrow application window are critical for proper weed control.
 - 4) The use of open nozzle booms, especially on windy days, means you risk spray drifting onto neighboring conventional crops.
 - 5) By limiting spray drift in adverse wind conditions, timely applications can be attained with the Redball 640 Hooded Broadcast Sprayer.
 - 6) Redball is the leading manufacturer of spray hoods. We developed our first spray hood in 1988 and continue to provide spray hoods for virtually every possible pesticide application with crop safety as our primary objective.

- C. Redball Model 640 Hooded Broadcast Sprayers are available in many Model Sizes and Options.
- 1) The Redball Model 640 is available in 20', 27', 30' and 40' sizes.
 - 2) The 20', 27' and 30' models are available in the skid mount configuration with a self-leveling boom feature and a 150 gallon tank as standard equipment.
 - 3) The heavy duty 30' and 40' models are equipped with two height adjustable gauge wheels on the 30' and four height adjustable gauge wheels on the 40' as standard equipment.
 - 4) Choose between the 150 and 300-gallon tank options on the heavy-duty 30' and 40' models.
 - 5) Hydraulic boom fold is standard on 27' and larger models to provide narrow road transport widths.
 - 6) Complete pump kits are available with either hydraulic driven centrifugal, PTO driven roller or 12 volt electric driven roller pumps.
 - 7) All 640 models feature a cushioned breakaway boom tip to reduce damage if contacted by an obstruction.
 - 8) The Redball line of spray equipment is available in colors to match your favorite tractor.

In Summary

Over-the -top broadcast applications, in Roundup® Ready Cotton, can be made in a safe and timely manner. Redball 640 Hooded Broadcast Sprayers enable growers to do so while limiting the potential for spray drift onto neighboring crops. The 640 sprayer simply enables growers to make broadcast applications in an effective, safe, and timely manner.

At Redball® we are listening to growers so that we can build equipment with common sense technology ... "RIGHTech™" to accomplish the tasks at hand. It's that simple, that's RIGHTech™ and that's Redball®.

Any questions?

Thank you for your attention. There is literature in the back of the room.

Roundup® is a registered trademark of Monsanto Co.