



# REDBALL<sup>®</sup> GEN II SPRAY-HOOD DRIFT REDUCTION TECHNOLOGY



Scan to watch  
the video!



*The EPA Qualified Hood  
for buffer reduction.*



Scan to watch  
the video!



*Redball Gen II Spray-Hood enables growers to select the high yielding XtendiMax<sup>®</sup> or XtendFlex<sup>®</sup> Soybeans while maintaining the same buffer as previous years in non-endangered specie counties.*

# FEATURES



Gen II  
Redball  
Spray-Hood

**The qualified Redball Gen II Spray-Hood features a unique design that enables pesticide spray to be confined inside a "tunnel" which protects the pesticide from being exposed to wind, wind gusts or changes in wind direction that can result in drift non-target areas.**

**The Broadcast Hood's unique design** combined with the hood's material composition allow it to collect small spray particles inside the hood which gather as droplets and run to bottom of the hood where its deposited on target pest. This reduces risk from small particle drift or inversion.

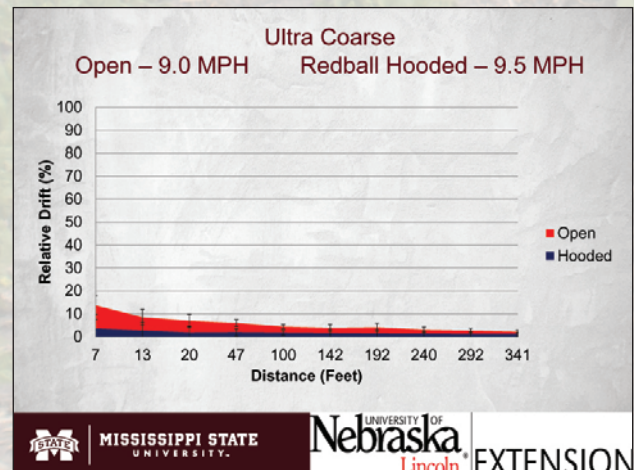
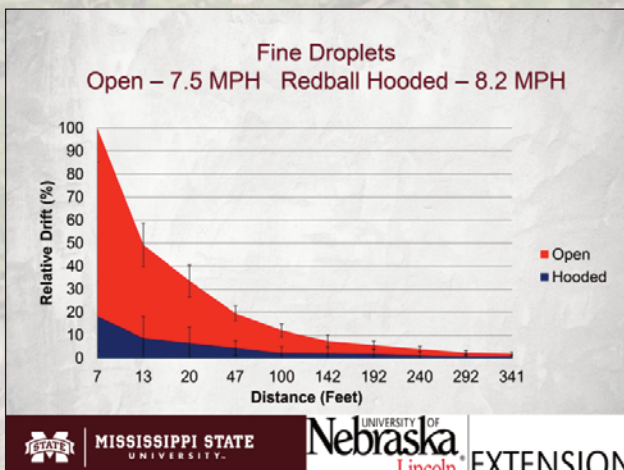
**The hood is uniquely designed** to provide label approved 24" boom height to seal the spray inside of hoods with flexible wind curtains and does not effect the spray pattern. Simply, run the front wind curtain in contact with the crop. They seal the spray inside the hoods without damage to the soybeans.



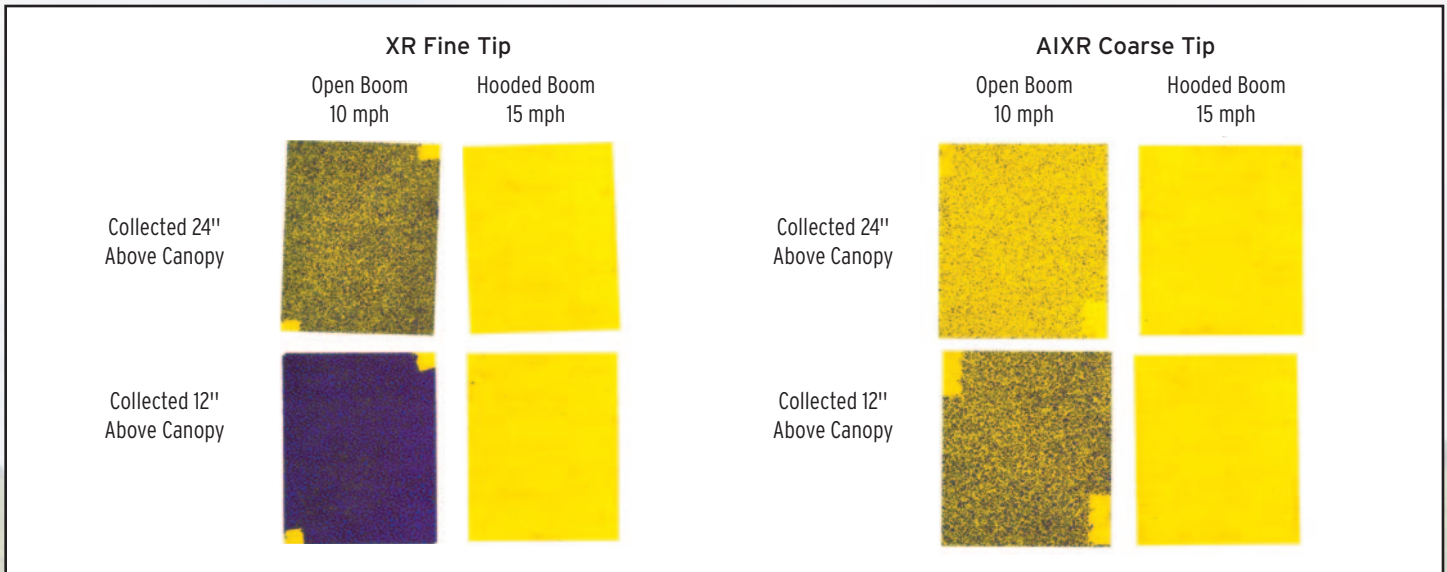
**Did you know?** The Redball Gen II Spray-Hood is featured on the 642E, 645 and SPK645 Broadcast Sprayers.

# ADVANTAGE

**The Redball Gen II Spray-Hood's unique design** limits the wind's access to the pesticide as demonstrated by the University of Nebraska and Mississippi State University. These studies only show maximum wind speed of 9 miles per hour (mph) resulting in significant drift reduction. For higher winds, see demonstration below.



Many pesticides have labels for wind speeds up to 10 mph. Unexpected wind gusts and shifts do occur. To demonstrate Redball Gen II Spray-Hood protection from sudden wind changes, tests were performed with water sensitive paper comparing an open boom at 10 mph wind speed and Redball Gen II Spray-Hoods at 15 mph. The blue particles on the yellow water sensitive paper indicate where drift occurred. From these tests, it's apparent there is less particle drift from sudden wind gusts at 15 mph using Redball Gen II Spray-Hoods compared to an open boom at 10 mph. Full demonstration is available at [www.willmarfab.com](http://www.willmarfab.com) under *Hood Demo & Benefits*.



# BENEFITS

**Protection from sudden wind gust when spraying.** How frequently do wind gusts occur when spraying in a 10 mph wind? Redball Gen II Spray-Hood booms could provide protection from particle drift. The chart below indicates how many days were available over a three year period to spray when a 10 mph wind occurred and how many of those spray periods<sup>1</sup> a wind gust occurred above 10 mph. Over a three year period for Bloomington IL, wind gusts occurred above 10 mph 33% of the time averaging a 25 mph wind gust. Redball Gen II Spray-Hoods protect from particle drift occurring on these days.

<b>Bloomington, IL Totals 2018 - 2020</b>	<b>June 2018 60 Potential Spray Periods</b>	<b>June 23 - July 5 2019 46 Potential Spray Periods</b>	<b>June 2020 60 Potential Spray Periods</b>	<b>3 Year Average</b>
Spray periods when wind was 3 - 10 mph, no rain or wet field	16	13	15	15
Percent of periods able to spray out of total available	27%	28%	25%	27%
Spray periods when wind gust occurred above 10 mph on day of 3 - 10 mph	3	5	5	5
Percent with gust over 10 mph	19% (3/16)	45% (5/13)	45% (5/13)	33%
Average gust speed that occurred	18 mph	31 plus	25 mph	25 mph

<sup>1</sup>Spray periods is either 6 a.m. to 12 p.m or 12 p.m. to 6 p.m. Spray periods are lost due to wind, rain, or wet fields. Similar information is available for other states and multiple locations per state and can be found at [www.willmarfab.com](http://www.willmarfab.com). Wind speeds collected from Weather Underground (<http://www.wunderground.com>). Rainfall collected from plotted fields on Climate Fieldview (<https://climate.com>).

**Reduced buffer with qualified Redball Hoods.** Using hoods has an impact on the size of buffers required for both non and endangered specie counties.

\*Same buffer size as previous labels for dicamba products.

<b>Buffers</b>	<b>Open Boom</b>	<b>Qualified Redball Hood</b>
Non-Endangered Specie Counties	240 ft.	110 ft.*
Endangered Specie Counties	310 ft.	240 ft.

**Get the most out of dollars spent on pesticide** by reducing particle drift. Nearly 100% of the pesticide hits the intended target improving performance. With an open boom, lower rates hit the targeted pest due to particle drift loss. This results in reduced pest control, impacting yields and potentially leading to resistance.

**Reducing herbicide and insecticide particle drift** reduces the chance of having injury to sensitive crop or non-targeted pest.



Soybeans



Tomatoes



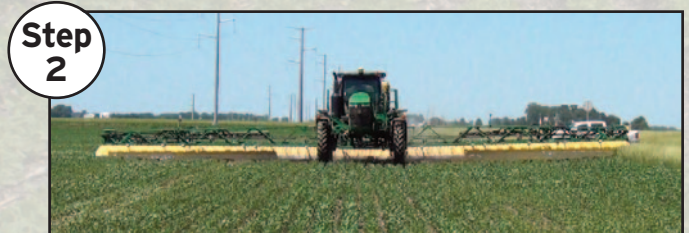
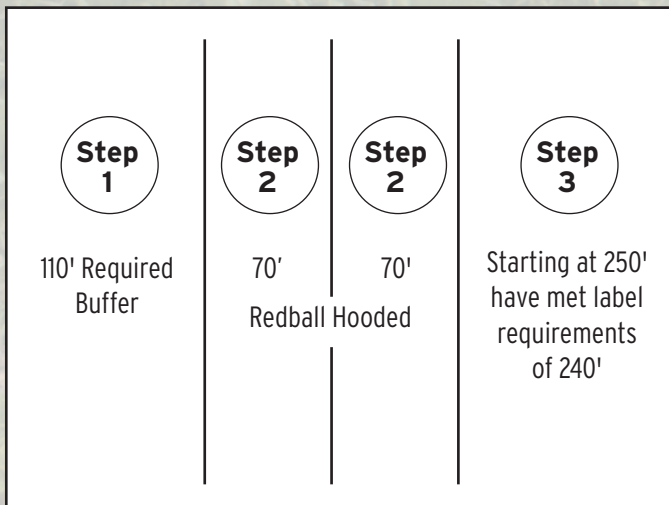
Pollinators

1 Smith, P. DTN/The Progressive Farmer. *Dixie Dicamba Dilemma*. Retrieved Dec. 2, 2016 from <https://www.dtnpf.com/agriculture/web/ag/news/crops/article/2016/07/07/target-label-herbicide-issues-arise-2>  
 2 McLeod Scott, J. Clemson Cooperative Extension. *Tomato Leaves Rolling?* Retrieved Dec. 2, 2016 from [http://www.clemson.edu/extension/hgic/hot\\_topics/2008/05tomato\\_leaf\\_roll.html](http://www.clemson.edu/extension/hgic/hot_topics/2008/05tomato_leaf_roll.html)

**Peace of mind** and confidence for applicator as Redball Gen II Spray-Hoods eliminate concern for sudden increase in wind speed, change in wind direction or wind gusts allowing applicators to spray with minimal risk.

## HOW TO USE THE SPK645 IN THE FIELD

Always read and follow label directions and visit the chemical company's web site for more details. **Step 1** Determine size and location of 110' buffer. **Step 2** At edge of 110' buffer, use only hooded portion of boom until a distance of 240' is met which is label for open boom. This may require two or three passes of hooded boom depending on size of hooded sprayer. **Step 3** At 240' (which is label for open booms in non-endangered specie counties) open the outside wings of boom that are not hooded and spray the remainder of the field with open and hooded boom.



**Utilizing qualified Redball Gen II Spray-Hoods enable growers to select the high yielding XtendiMax® and XtendFlex® Soybeans while maintaining the same buffer as pervious years in non-endangered species counties.**

To order log onto [www.willmarfab.com](http://www.willmarfab.com) or call Redball at 877-332-2551 for all other inquiries.

Scan the code to watch an SPK645 installation!



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