

Agricultural Beet

April 22, 2021
Hooded Band Sprayer Applications of
Liberty Herbicide

Southern Minnesota Beet Sugar Cooperative
Renville, MN
www.smbcsc.com | 320.329.8305

Application of Liberty Herbicide Through a Hooded Band Sprayer

A new tool for managing glyphosate resistant waterhemp in sugar beets was recently approved for use in Minnesota. This tool utilizes a hooded band sprayer to selectively apply Liberty herbicide between the rows of the sugar beet crop. A hooded sprayer directs the spray onto weeds, while shielding the sugarbeet plants from exposure to the herbicide. The sprayer approved for this application is a Redball 915 Row Crop Hooded Band Sprayer.

Redball 915 Row Crop Band Sprayer Operation

1. For specific operating instructions, contact Redball.
2. The equipment must be set up and operated in a manner that avoids bouncing or raising the hoods off the ground in any way.
3. The hoods must be operated on the ground or crop damage will occur.
4. The front of the hood should be angled slightly from front to back to allow the hood to slide over the ground and residue.
5. Ground speed of operation must be set to ensure hoods remain on the ground during application. Redball recommends ground speeds less than 6 mph.
6. Spray droplets that contact sugar beet leaves will cause leaf damage. Research conducted in 2020 at SMBSC in cooperation with Dr. Tom Peters found no sugar beet yield reduction when the sprayer was operated according to all directions.
<https://www.smbcsc.com/Agronomy/Research/2020%20Combined%20Research%20Report.pdf>

Redball 915 Row Crop Band Sprayer Information

- Sprayer specifications and pricing structure are found on pages 2-4 of this document.
- Contact Redball at 877-332-2551.
- website: www.willmarfab.com

Application Information:

1. Redball 915 Hooded Band Sprayer treats the 16" interrow area between beet rows.
2. Applications can be made when sugar beet size is 6 leaf to 10 leaf.
3. Apply Liberty 280 SL at a broadcast equivalent rate of 29 fl oz per acre. Herbicide rates and spray volume must be reduced in proportion to the area actually treated under the hood.
4. Use ammonium sulfate (AMS) at 3 lbs/A.
5. Read and follow all label information for the Special Local Need 24C Liberty Application Label.



Picture from 2020 SMBSC Weed Control Trial



February 18, 2021

Dear Sugarbeet Grower,

Each growing season has its challenges and there's no doubt resistant weeds are always among them. This year face weeds head on with the 915 Row Crop Hooded Sprayer. It provides a more safe, effective and efficient weed control than hand weeding or mechanical cultivation.

For the past 30 years, Redball Row Crop Hoods have aided growers in controlling resistant weeds and reducing spray drift. The 915 showcases a superior and patented design for better crop safety and weed control allowing applicators to pinpoint where they want to spray.

This season we are offering a 915 Row Crop Sprayer engineered specifically for sugarbeet growers to combat water hemp and other weeds. It accommodates 22" row spacing and is available in 12, 18 or 24 rows with a vertical fold. It also features a 400 gallon teardrop tank and pump. The 915 is available without tank and pump as well as with other configurations.

Attached is an informational brochure with specifications and photos. Additional information can be found online at <https://willmarfab.com/915.php>.

Give us a call at 877-332-2551 ext. 7252 or 7244 to learn more about our current programs, financing options and to order. Please note these units are built to order. Order your unit by March 15th to ensure delivery for the 2021 season.

Wishing you the best in the 2021 growing season.

Thank you,

A handwritten signature in black ink, appearing to read "Steve Claussen".

Steve Claussen
President

CHEMICAL CULTIVATION



Scan For
Video



915 Hooded Sprayer

The ultimate weapon against resistant weeds

The 915 Row Crop Hooded Sprayer should be your first line of defense against resistant weeds and spray drift. Upgrade to safer, more effective and efficient weed control than hand weeding or mechanical cultivation.

Go beyond weed control.

Additional 915 benefits:

- Reduces spray drift
- Innovative hood design is safer for crops
- Preserves moisture
- No root pruning
- Leaves herbicide barrier unbroken
- Leaves soil undisturbed
- Applies residual herbicides and controls escaped weeds in the same trip
- Allows earlier re-entry on wet soil
- Allows grower to control timing of weed control vs. hand weeding
- Constructed of high-strength steel delivering years of service and cost savings

Effectively treat resistant weeds with targeted chemical application.

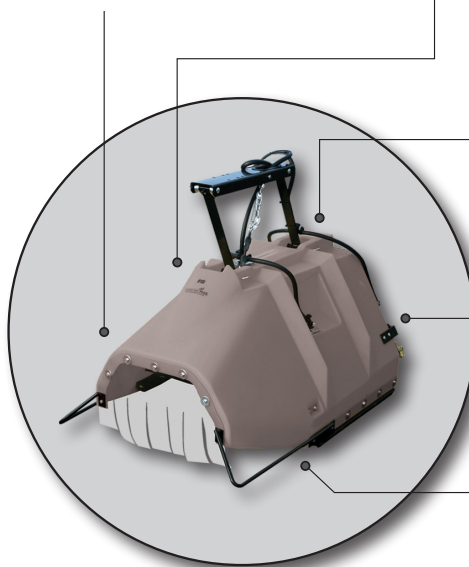
Sloped design allows crops to flow around the hood as weeds channel through the front opening

Made of durable, high-impact poly material, these hoods are built to resist corrosion

Multiple nozzles are mounted inside the hood for thorough coverage and protect the spray pattern from the wind

Longer hood provides greater spray coverage

Skids allow hood to run on the ground to help reduce drift and keep chemical on target



915 Sprayer Specifications

<i>Specs</i>	<i>915 Row Crop Hooded Sprayer</i>
Toolbar Configurations	12, 18, 24 Row; Vertical Fold
Row Spacing	22" Spacing
Tank	400 Gallon Teardrop Tank
Pump	Ace Hydraulic Driven Centrifugal Pump 12v Solenoid Valve & Manual Pressure Relief Valve
Hitch	Category 3 or 4 Three-Point Hitch
Color	Green Bar With Grey Hoods



Additional toolbar configurations and row spacing available. Call Redball for availability. Scan the code for additional information and photos.

Ordering

Below pricing is for a complete unit with vertical fold bar, 22" row spacing, 915 hoods, 400 gallon tank and pump.

<i>Size</i>	<i>Price</i>
12 Row	\$21,915
18 Row	\$29,274
24 Row	\$32,872

Available without tank and pump. Call Redball for pricing. Above pricing does not include freight. F.O.B. Benson, MN 56215. Shipping at Willmar Fabrication discretion.



To order, call Redball at 877-332-2551 today.



Additional Hooded Sprayers



A. 645 - Tractor Mounted Three-Point Broadcast Hooded Sprayer with Suspended Boom (60' - 100')

B. SPK645 - Self-Propelled Broadcast Hooded Retrofit Kit (up to 80' kits)

C. 642E - Three-Point Wheel Boom Broadcast Hooded Sprayer (30' - 60')



Did you know? Spray hoods have been used in multiple row crops since 1990, proving them to be a safe and effective tool for controlling weeds.

This product may be covered by one or more U.S. patents or pending patent applications. See <http://www.willmarfab.com/patents.php> for details. The Redball® and WF® marks are registered trademarks of Willmar Fabrication, LLC. Always read and follow chemical label instructions and follow state and local regulations. WF-2021-35 | 2/16/21

www.willmarfab.com | 2205 Hall Ave. | Benson, MN 56215 | P: 877-332-2551 or 320-843-1700

