



# HVX840RR Brand

FD8

NON-DORMANT

## W-L ALFALFAS FIRST NON-DORMANT RELEASE OF HARVXTRA®, A GAME CHANGER FOR THE SOUTHWEST

HVX840RR Brand, the latest release in the W-L HarvXtra® lineup offers exciting harvest flexibility accomplished by reduced lignin content

### HVX840RR Brand Advantages

- HarvXtra® Alfalfa gives growers the ability to better manage the yield-versus-quality tradeoff, offering more flexibility in cutting schedule to achieve improved forage quality or greater yield potential, when compared to conventional alfalfa at the same stage of maturity
- The HarvXtra® technology provides unprecedented flexibility by widening cutting windows, which gives growers the option at each cutting to:
  - Maintain their normal harvest schedules for higher-quality forage, or
  - Delay harvest for 5-7 days for increased yield potential, without sacrificing forage quality, compared to conventional alfalfa at the same stage of maturity
- HarvXtra® Alfalfa has on average 12-14% less lignin and 8-10% higher neutral detergent fiber digestibility (NDFD) than conventional alfalfa harvested at the same stage of maturity
- HarvXtra® Alfalfa is stacked with the Roundup Ready® Technology for unsurpassed weed control with excellent crop safety



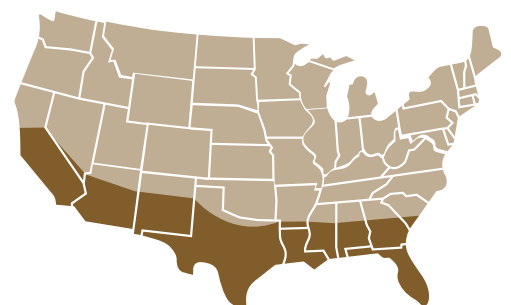
#### AGRONOMIC TRAITS

Fall Dormancy	7.9
Winter Activity	High
Digestibility/Feed Value	HarvXtra®
Persistence Index	Very High
Recovery After Harvest	Very Fast
Standability	Excellent
Traffic Tolerance	Very Good

#### PEST RESISTANCE TRAITS

Bacterial Wilt	R
Fusarium Wilt	HR
Anthracnose (Race I)	R
Phytophthora Root Rot	R
Pea Aphid	HR
Spotted Alfalfa Aphid	R
Stem Nematode	R

HR = HIGH RESISTANCE R = RESISTANT



## Planting HVX840RR Brand utilizing the Roundup Ready® weed control system provides many benefits over conventional herbicide programs

- Exceptional weed control at both stand establishment and in established stands means fewer weeds and higher-quality hay and haylage
- Exceptional crop safety at all growth stages with the Roundup Ready® weed control system
- Recommended 1st glyphosate application at 1st-3rd trifoliolate stage to provide early weed control on new seedlings and lower seedling mortality
- The simplicity of using a single herbicide (Roundup®) provides superior weed control with no need to tank mix
- Flexibility in timing of application allows growers utilizing the Roundup Ready® system to spray when necessary; no carryover or crop rotation limitations
- Minimal wait (5 days) after Roundup® application before haying/feeding

## HVX840RR Brand Outyields the Competition\*

Shafter, CA 2014-2016		
Variety	Forage Yield (% Commercial Check)	Forage Quality (% Commercial Check)
<b>HVX840RR</b>	<b>104</b>	<b>114</b>
WL 552.RR	100	102
Ameristand 855T RR	99	100
RRALF 8RI00	84	100

Dos Palos CA 2014-2016		
Variety	Forage Yield (% Commercial Check)	Forage Quality (% Commercial Check)
<b>WL HVX840RR</b>	<b>104</b>	<b>108</b>
WL 552.RR	100	101
Ameristand 855T RR	96	101
RRALF 8RI00	—	—

Davis, CA 2014-2016		
Variety	Forage Yield (% Commercial Check)	Forage Quality (% Commercial Check)
<b>WL HVX840RR</b>	<b>105</b>	<b>108</b>
WL 552.RR	—	101
Ameristand 855T RR	102	98
RRALF 8RI00	92	99

\* Data comes from FGI trials comparing HarvXtra® Alfalfa with Roundup Ready® Technology to commercial checks. Trials were seeded in 2013 and harvested in 2014, 2015, and 2016 from Shafter, CA, Don Palos, CA and Davis, CA

**For more information visit [wresearch.com](http://wresearch.com) and [HarvXtra.com](http://HarvXtra.com).** In the following states, purchase and use of HarvXtra® Alfalfa with Roundup Ready® Technology is subject to a Seed and Feed Use Agreement, requiring that products of this technology can only be used on farm or otherwise be used in the United States: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming. In addition, due to the unique cropping practices do not plant HarvXtra® Alfalfa with Roundup Ready® Technology and Roundup Ready® Alfalfa in Imperial County, California, pending import approval and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. As of June 2017, HarvXtra® Alfalfa with Roundup Ready® Technology and Roundup Ready® Alfalfa have pending import approvals. GROWERS MUST DIRECT ANY PRODUCT PRODUCED FROM HARVXTRA® ALFALFA WITH ROUNDUP READY® TECHNOLOGY SEED OR CROPS (INCLUDING HAY AND HAY PRODUCTS) ONLY TO UNITED STATES DOMESTIC USE. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready® is registered trademarks of Monsanto Technology LLC, used under license by Forage Genetics International, LLC. HarvXtra® is a registered trademark of Forage Genetics International, LLC. HarvXtra® Alfalfa with Roundup Ready® Technology is enabled with Technology from The Samuel Roberts Noble Foundation, Inc.

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