



HvX840RR Brand

FALL DORMANCY: 7.9

CUTTINGS/SEASON: 6+

PERFORMANCE PROFILE

Yield Potential: Excellent

Forage Quality Potential: Excellent

Stand Persistence: Excellent

Recovery After Cutting: Fast

RESISTANCE RATINGS

Phytophthora Root Rot: R

Anthracnose RACE 1: R

Bacterial Wilt: R

Fusarium Wilt: HR

Pea Aphid: HR

Spotted Alfalfa Aphid: R

Stem Nematode: R

HR = >51% Resistance

R = 31-50% Resistance

MR = 15-30% Resistance

LR = 6-14% Resistance

HarvXtra® Alfalfa is the industry's first genetically enhanced alfalfa technology developed to maximize quality compared to conventional alfalfa at the same stage of maturity, by reducing the amount of lignin in the plant.



• Primary Adaptation

- HarvXtra® Alfalfa gives growers the ability to better manage the yield-versus-quality tradeoff. It offers 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.

VARIETY PERFORMANCE

PRODUCT	FORAGE YIELD (% COMMERCIAL CHECKS)			FORAGE QUALITY (% COMMERCIAL CHECKS)		
	SHAFTER, CA	DOS PALOS, CA	DAVIS, CA	SHAFTER, CA	DOS PALOS, CA	DAVIS, CA
HVX840RR	104	104	105	114	108	108
AMERISTAND 855T RR	99	96	102	100	101	98
RRALF 8R100	84	-	92	100	-	99
WL 552.RR	100	100	-	102	101	101

Note: 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

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 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 has 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.biotechstatus.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.

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Due to factors outside of Forage Genetics International's (FGI) control, such as weather, crop production patterns, and other factors, results to be obtained, including but not limited to yields or financial performance, cannot be predicted or guaranteed by FGI. Results are based upon FGI controlled tests and field trials and public trials. Actual results may vary.



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