

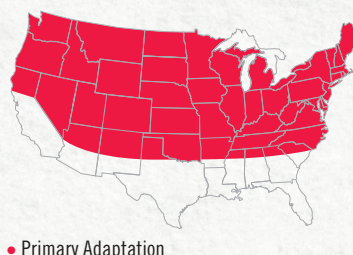
AMERISTAND 481 HVXRR

FALL DORMANCY: 4.0 | WINTERHARDINESS: 1.9



A Technology Powerhouse: HarvXtra® Alfalfa Paired with the UltraCut™ Alfalfa Disease Package

- Latest advancement in disease resistance, featuring the UltraCut™ alfalfa disease package with a DRI of 39/40, which includes High Resistance to Aphanomyces Root Rot Race 1, 2 and evolving strains¹; and includes multi-race resistance to Anthracnose²
- 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



Potential Benefits of HarvXtra® Alfalfa with Roundup Ready® Technology

FORAGE QUALITY ADVANTAGE

- Maintain current harvest schedule
- Higher likelihood of harvesting premium quality hay

FLEXIBILITY

- Increased harvest timing flexibility

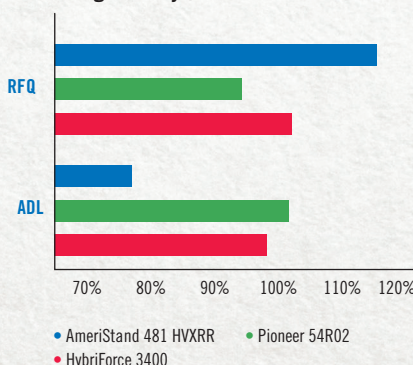
DELAYED HARVEST

- Potential for fewer harvests, higher forage yield and improved persistence

PRODUCT	FORAGE YIELD (% COMMERCIAL CHECKS)		
	WEST SALEM, WI	BOONE, IA	MT. JOY, PA
AS 481 HVXRR	120%	108%	110%
PIONEER 54R02	100%	104%	105%
HYBRIFORCE 3400	99%	100%	100%
WL 372HQ.RR	103%	99%	98%
ATTENTION II	95%	94%	98%

2015 HarvXtra® Alfalfa Demo [WI, IA & PA] - Aug 2016-17 data collected demo harvested at late bud stage; 28-32 day cutting schedule. Checks where conventional herbicides were used for weed control.

Forage Quality (% of Commercial Checks)



PERFORMANCE

Yield Potential:	Excellent
Forage Quality Potential:	Excellent
Stand Persistence:	Excellent
Salt Tolerance*:	Germination

RESISTANCE

Phytophthora Root Rot:	HR
Aphanomyces Root Rot	
Race 1:	HR
Race 2:	HR
Evolving Strains ¹ :	HR
Anthracnose	
Race 1:	HR
Race 5 ² :	R
Verticillium Wilt:	HR
Bacterial Wilt:	HR
Fusarium Wilt:	HR
Pea Aphid:	R
Spotted Alfalfa Aphid:	R
Stem Nematode:	R

HR > 51% Resistance
R 31–50% Resistance
MR 15–30% Resistance
LR 6–14% Resistance

¹Includes race 1 and race 2 protection. In addition, Forage Genetics International, LLC (FGI) has identified a novel source of Aphanomyces resistance in the greenhouse and field that visibly outperforms unrelated varieties on the market when grown under natural or artificial disease pressure. FGI researchers have been working cooperatively with universities collecting and testing the most virulent strains of Aphanomyces to help determine the level of resistance to this novel source.

²Includes race 1 protection, along with Anthracnose Race 5 protection, which is patented by FGI.

* In tests established by the NAAIC Review Board, this variety demonstrated improved salt tolerance of germinating seeds as compared to the industry salt tolerant checks. References available upon request.

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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.

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. 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.

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