

## W-L alfalfas bulks up HarvXtra® Alfalfa lineup with F5 addition

Our first fall dormancy 5 HarvXtra® Alfalfa release, WL 375HVX.RR, simply delivers. WL 375HVX.RR complements the 2021 release of WL 3471.HVXRR, offering another valuable winterhardy option with UltraCut™ alfalfa disease resistance package and the HarvXtra® Alfalfa trait.

### WL 375HVX.RR Advantages

- WL 375HVX.RR offers tremendous value of flexibility in choosing to maximize fiber digestibility, or realize greater yield by delaying cutting frequency, perhaps removing 1 cut, without sacrificing feed quality
- Reduced-lignin % (ADL, acid detergent lignin) content of 22% less than the average of competitive check varieties gives
- Exceptional yield performance across 4 of our major U.S. research facilities
- Features UltraCut™ Disease Package, a Disease Resistance Index (39/40), which includes 'High Resistance' to evolving Aphanomyces strains<sup>2</sup>; and includes multi-race resistance to Anthracnose<sup>1</sup>
- WL 375HVX.RR contains Roundup Ready® Technology for unsurpassed broad spectrum weed control and crop safety to maximize seedling survival at establishment and provide a useful tool on established stands
- Well-adapted for Midwest, Northeast, Central, Northern, & Southern Plains, as well as Intermountain Regions and Pacific Northwest; ideally-suited for on-farm dairy, beef or cash hay producers
- WL 375HVX.RR delivers quick recovery for frequent harvest schedules under intense management
- Quick stand establishment with WL 375HVX.RR that comes fully loaded with W-L's Gold Treatment PLUS containing Stamina® seed treatment

### UltraCut™ Disease Package

W-L Alfalfas with the UltraCut™ Disease Package can provide agronomic advantages by helping protect your crop against yield-limiting and evolving Anthracnose and Aphanomyces disease strains. You could see an increase in yield with each cutting when disease threatens your alfalfa and expand the acres you're able to plant. Help grow a healthy alfalfa crop even in field conditions susceptible to Anthracnose and Aphanomyces threats with the UltraCut™ Disease Package.

### WL 375HVX.RR Outyields the Competition in the East\*

MN, WI, PA 2018-2019

Variety	Yield	NDFD	RFQ	Milk lbs/Ac
<b>WL 375HVX.RR</b>	<b>108%</b>	<b>114%</b>	<b>111%</b>	<b>124%</b>
54HVX41	101%	114%	115%	113%
54QR04	101%	100%	100%	98%

NDFD = Neutral Detergent Fiber Digestibility RFQ = Relative Forage Quality



Planting WL 375HVX.RR with high resistance to multiple races of aphanomyces and anthracnose significantly improves stand establishment and production.

AGRONOMIC TRAITS	
Fall Dormancy	4.6
Winterhardiness	2.1
Maturity	Early
Digestibility	HarvXtra*
Recovery After Harvest	Very Fast
Standability	Excellent
Multileaf Expression	Very High
Disease Resistance Index	39/40
Salt Tolerance	Germination

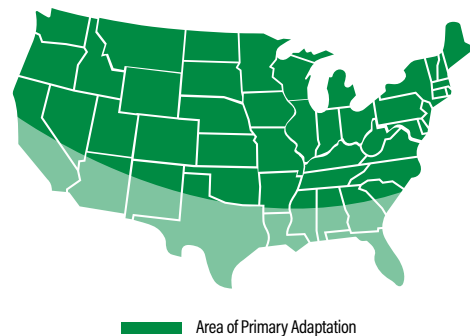
PEST RESISTANCE TRAITS	
Bacterial Wilt	High Resistance
Fusarium Wilt	High Resistance
Verticillium Wilt	High Resistance
Anthracnose (Race 1)	High Resistance
Anthracnose (Race 5) <sup>1</sup>	Resistance
Phytophthora Root Rot	High Resistance
Aphanomyces Root Rot (Race 1)	High Resistance
Aphanomyces Root Rot (Race 2)	High Resistance
Evolving Aphanomyces Strains <sup>2</sup>	High Resistance
Pea Aphid	Resistance
Spotted Alfalfa Aphid	Resistance
Stem Nematode	High Resistance

## WL 375HVX.RR Firmly Establishes a New Level of Fiber Digestibility and Feed Value in the West\*

### WA 2019-2021

Variety	Yield	NDFD	RFQ	Milk lbs/Ac
<b>WL 375HVX.RR</b>	<b>102%</b>	<b>108%</b>	<b>107%</b>	<b>108%</b>
54VR10	101%	96%	93%	98%
54HVX42	101%	103%	109%	105%
55VR08	101%	102%	94%	100%
54HVX41	101%	108%	104%	106%
L-451APH2+	97%	99%	102%	98%
AFX 579	93%	101%	99%	93%

NDFD = Neutral Detergent Fiber Digestibility RFQ = Relative Forage Quality



W-L Alfalfas and Forage Genetics International recommends the use of RFQ (relative forage quality) in place of RFV (relative feed value) because it more accurately reflects the value that improved fiber digestibility has in forages like HarvXtra® Alfalfa with Roundup Ready® Technology. RFQ better reflects performance that can be expected when animals are fed forages.

Likewise, RFQ is a far better index of forage quality than TDN (total digestible nutrients) because the TDN equation may not properly reflect fiber digestibility.

\* Results are based on controlled field trials at the listed W-L Alfalfas location. Results may vary and are dependent on factors outside of W-L Alfalfas's control, such as weather. Yield, profit and other results cannot be predicted or guaranteed by W-L Alfalfas

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

2 Includes 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.

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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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