



# WL 375HVX.RR

FD5

DORMANT

## W-L ALFALFAS BULKS UP HARVXTRA® ALFALFA LINEUP WITH FD5 ADDITION

W-L HarvXtra® Alfalfa is a revolutionary new offering in alfalfa production.

Our first fall dormancy 5 release, WL 375HVX.RR, simply delivers. WL 375HVX.RR compliments the 2016 release of FD4 WL 341HVX.RR, offering another valuable winterhardy option with a new, superior agronomic 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 WL 375HVX.RR a 16% greater RFQ (relative forage quality), and a 18% greater NDFD (neutral detergent fiber digestibility) than the average of competitive check varieties
- Yield performance of WL 375HVX.RR rivals WL 372HQ.RR, our highest yielding dormant variety ever, across 4 of our major U.S. research facilities
- Superb yield potential and agronomic characteristics under 4-cut system if delaying cutting frequency, or under 5- to 6-cut systems to maximize increased feed value
- Perfect Disease Resistance Index (40/40), which includes 'High Resistance' to Aphanomyces Race 1, Race 2, AND Race 3; and includes multi-race resistance to Anthracnose
- 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® and Take-Off® seed treatment



### AGRONOMIC TRAITS

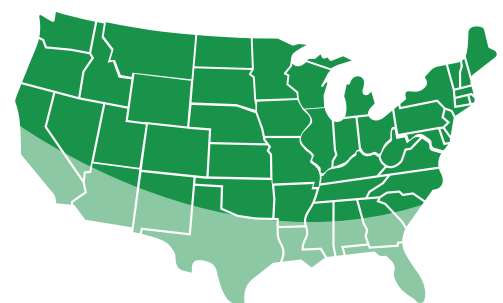
Maturity	Early
Fall Dormancy	4.6
Winterhardiness	2.1
Digestibility/Feed Value	HarvXtra®
Recovery After Harvest	Very Fast
Standability	Excellent
Traffic Tolerance	Very Good
Disease Resistance Index	40/40

\*HarvXtra® Alfalfa with Roundup Ready® Technology

### PEST RESISTANCE TRAITS

Bacterial Wilt	HR
Fusarium Wilt	HR
Verticillium Wilt	HR
Anthracnose	HR
Phytophthora Root Rot	HR
Aphanomyces Root Rot (Race 1)	HR
Aphanomyces Root Rot (Race 2)	HR
Aphanomyces Root Rot (Race 3)	HR
Aphids	R
Stem Nematode	HR

HR = HIGH RESISTANCE R = RESISTANT

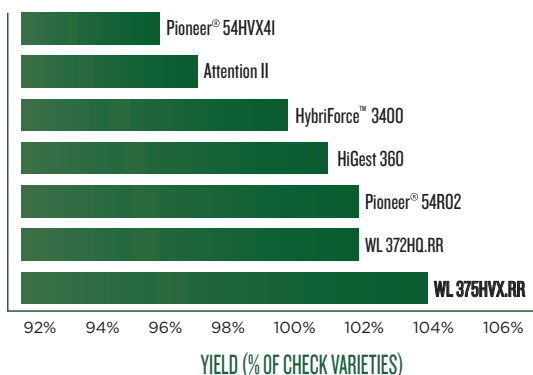


■ Area of Primary Adaptation

## Planting WL 375HVX.RR 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

### WL HVX.RR Outyields the Competition\* West Sale, WI; Mt. Joy, PA; Nampa, ID; Touchet, WA; 2016-2017



## Simply the new forage quality leader of FD5 Alfalfas\* Boone, IA; Mt. Joy, PA; West Salem, WI 2015-2016

Variety	ADL	NDFD	RFQ
WL 375HVX.RR	78%	116%	118%
WL 372HQ.RR	102%	100%	100%
HiGest 360	98%	103%	103%
HybriForce™ 3400	99%	102%	102%
Pioneer® 54R02	100%	98%	97%
Attention II	101%	98%	98%

ADL = Acid Detergent Lignin    NDFD = Neutral Detergent Fiber digestibility    RFQ = Relative Forage Quality

W-L Research 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.



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

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

**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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