



WL 356HQ.RR

FD4

DORMANT

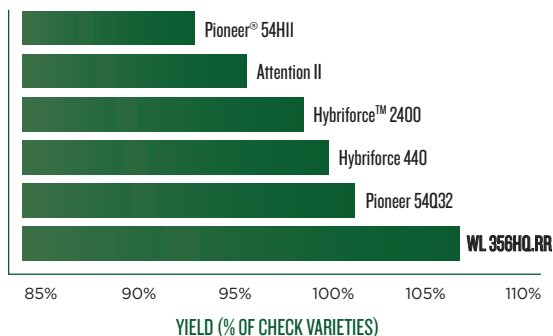
OUTSTANDING YIELD POTENTIAL AND FORAGE QUALITY

With Powerful Protection on Your Toughest Soils

WL 356HQ.RR Advantages

- Very high yield potential under 3- to 5-cut harvest managements
- Unique wet soil disease resistance package (HR to Aphanomyces Race 2) promoting better stand establishment, persistence, and forage yield potential
- WL 356HQ.RR carries the "HQ" designation, exhibiting strong potential to deliver optimal feed intake, milk production, and profit potential when fed
- Very winterhardy (WH=1.6); WL 356HQ.RR delivers long stand life under adverse weather and soil conditions
- Highly resistant (HR) to stem nematode
- Perfect Disease Resistance Index (DRI) of 35/35 promotes fast seedling establishment and long stand life
- Ideal FD4 variety for Midwest, Northern Plains, Pacific Northwest and Northeastern region of the U.S. for hay and haylage uses
- Salt tolerance of germinating seeds similar to resistant check

West Salem, WI 2010-2011*



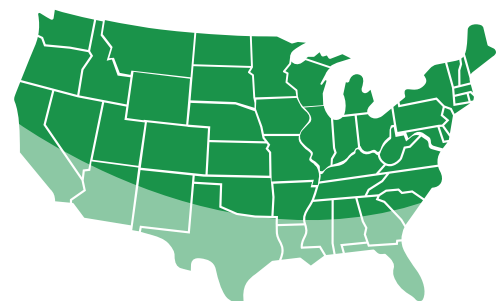
AGRONOMIC TRAITS

Maturity	Early
Fall Dormancy	3.8
Winterhardiness	1.6
Digestibility/Feed Value	Superior
Persistence Index	Very High
Recovery After Harvest	Very Fast
Standability	Excellent
Traffic Tolerance	Very Good
Multileaf Expression	Very High
Disease Resistance Index	35/35

PEST RESISTANCE TRAITS

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

HR = HIGH RESISTANCE R = RESISTANT



Planting WL 356HQ.RR utilizing the Roundup Ready® weed control system provides many benefits over conventional herbicide programs

- Unmatched weed control at both stand establishment and in established stands means fewer weeds and higher-quality hay and haylage, which can result in more milk per ton fed and higher RFQ when tested
- Superior crop safety at all growth stages with the Roundup Ready® weed control system delivers increased yield potential in both the establishment year and subsequent years
- 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 356HQ.RR Continues the "HQ" Tradition of Elite Forage Quality* Boone, IA 2011

Variety	CP	IVTD	RFQ
WL 356HQ.RR	22.9	81.7	202
Pioneer® 53Q30	21.4	79.1	187
HybriForce™ 440	21.6	79.9	186
DKA 43-13	20.8	76.7	172

CP = Crude Protein IVTD = In Vitro True Digestibility RFQ = Relative Forage Quality

Do You Need Dual-Race Aphanomyces Root Rot Resistance?

The Aphanomyces fungus prunes alfalfa roots, resulting in stunted, chlorotic plants and poor seedling establishment on wet soils. Most alfalfa varieties currently marketed in the U.S. are resistant to Race 1 Aphanomyces, but far fewer varieties are resistant to Race 2.

Race 2 Aphanomyces isolates are widespread and cause severe disease on Race 1-resistant varieties. University forage specialists throughout the Midwest and Northeast suggest that Race 2 Aphanomyces represents a widespread risk to alfalfa varieties that possess only Race 1 Aphanomyces resistance.

Planting alfalfa with high resistance to Race 2 Aphanomyces (WL 356HQ.RR, left, below) will significantly improve alfalfa stand establishment and productivity on heavy or poorly drained soils where root diseases are prevalent.

* 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. 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.

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