



WL 359LH.RR

FD4

DORMANT

ENHANCED YIELD POTENTIAL AND QUALITY

With Outstanding Potato Leafhopper Resistance

The latest Roundup Ready® is HopperShield™ potato leafhopper-resistant alfalfa variety from W-L Research. WL 359LH.RR is our third release in the category of stacked glyphosate tolerance and potato leafhopper resistance. Bred and selected for the Midwest and Northeastern U.S. growers, WL 359LH.RR is an exciting new product, now with the industry's leading eighth-generation PLH resistance package. The HopperShield™ lineup, and now WL 359LH.RR, is an ideal pick for dairy, beef or cash hay growers looking for top yield potential and quality under various levels of leafhopper pressure.

WL 359LH.RR Advantages

- Eighth-generation potato leafhopper resistance with HopperShield™ protection delivers high yield potential and forage quality without the need to spray, even under heavy leafhopper pressure
- Impressive stand health visuals under various levels of leafhopper pressure, coupled with ability to apply broad-spectrum weed control and crop safety of glyphosate
- Winterhardy (WH=2.2); WL 359LH.RR delivers solid winter survival, even under harsh winter conditions
- A perfect disease resistance index (DRI) of 30/30 for solid yield potential and stand persistence across a wide range of soil types and climates
- Dark green, fine-stemmed and a highly palatable HopperShield™ product
- Under various management and cutting schedules, WL 359LH.RR ensures solid yield potential, quality and persistence against yield-robbing PLH pests
- Well-adapted and bred for use in the Midwestern or Northeastern U.S. for hay or haylage use



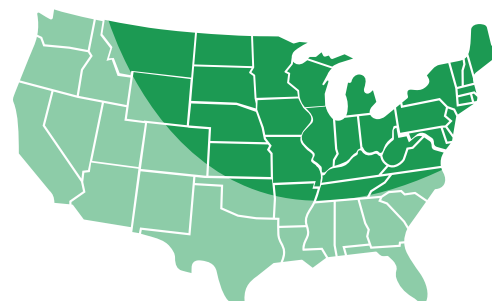
AGRONOMIC TRAITS

Maturity	Early
Fall Dormancy	3.9
Winterhardiness	2.2
Digestibility/Feed Value	Superior
Persistence Index	Very High
Recovery After Harvest	Very Fast
Standability	Excellent
Traffic Tolerance	Very Good
Disease Resistance Index	30/30

PEST RESISTANCE TRAITS

Bacterial Wilt	HR
Fusarium Wilt	HR
Verticillium Wilt	HR
Anthracnose	HR
Phytophthora Root Rot	HR
Aphanomyces Root Rot (Race I)	HR
Potato Leafhopper	86%
Leaf Disease	R
Aphids	R
Nematodes	R

HR = HIGH RESISTANCE R = RESISTANT



■ Area of Primary Adaptation

Planting WL 359LH.RR alfalfa and using the Roundup Ready® weed control system provides many benefits over conventional herbicide programs

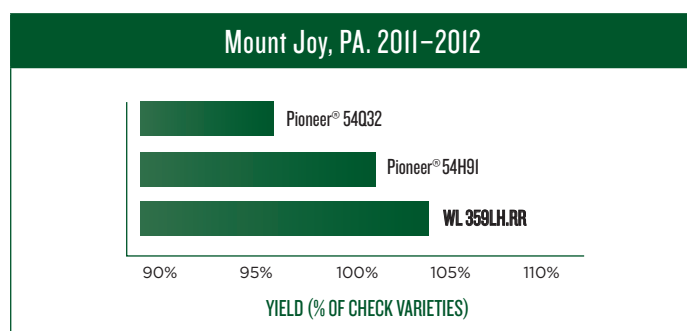
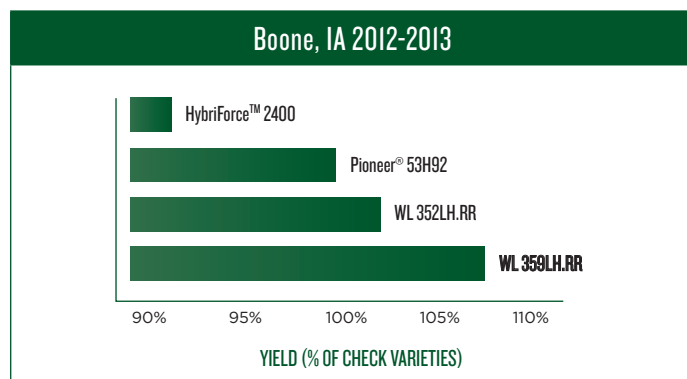
- Superb weed control at both stand establishment and in established stands means fewer weeds and higher quality hay and haylage, which can result in more milk and beef per acre
- Superior crop safety at all growth stages with the Roundup Ready® weed control system delivers increased yield potential 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

Treatment Thresholds for Potato Leafhoppers* Spray thresholds from Iowa State University

Alfalfa Stem Height	LEAFHOPPERS PER 10 SWEEPS	
	Conventional Varieties	WL 359LH.RR
4 inches	4	41
6 inches	6	62
8 inches	8	82
10 inches	10	103

When compared to conventional alfalfas, WL 359LH.RR can tolerate over TEN times the level of potato leafhoppers before spray treatment is necessary.

WL 359LH.RR Outyields the Competition*



* 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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