



# WL 3451HQ.RR

FD4

DORMANT

## IMPROVED DISEASE PACKAGE AND ROUNDUP READY® FALL DORMANT 4

WL 3451HQ.RR is the latest W-L product with the UltraCut™ alfalfa disease package that offers growers the ability to help protect yield and quality potential

WL 3451HQ.RR replaces WL 356HQ.RR and has HR levels for both evolving Aphanomyces strains and AN5. This creates better establishment success and in-season yield.

### WL 3451HQ.RR Advantages

- Enhanced yield potential with the industry leading UltraCut™ alfalfa disease package
- Significantly improved alfalfa stand establishment on heavy, compacted or poorly drained soils and increased productivity in production years with successful stand establishment
- Disease resistance package greatly effecting establishment and in-crop performance, WL 3451HQ.RR Disease Resistance Index (DRI) of 40/40 also includes resistance to evolving Aphanomyces strains
- Very winterhardy (WH=1.4); WL 3451HQ.RR delivers long stand life under adverse weather and soil conditions
- Ideal FD4 Roundup Ready® variety for Midwest, Northern Plains, Pacific Northwest and Northeastern region of the U.S. for hay and haylage uses



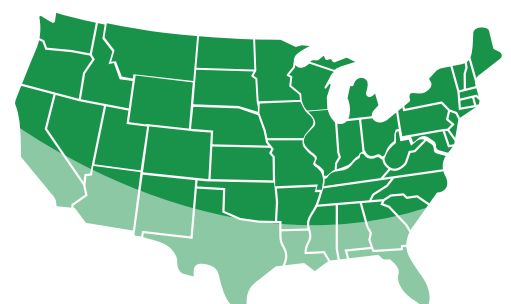
#### AGRONOMIC TRAITS

Maturity	Early
Fall Dormancy	4.4
Winterhardness	1.4
Digestibility/Feed Value	Superior
Recovery After Harvest	Very Fast
Standability	Excellent
Traffic Tolerance	Very Good
Multileaf Expression	Very High
Disease Resistance Index	40/40
Salt Tolerance	Germination

#### PEST RESISTANCE TRAITS

Bacterial Wilt	HR
Fusarium Wilt	HR
Verticillium Wilt	HR
Anthracnose (Race I)	HR
Phytophthora Root Rot	HR
Phytophthora Root Rot	HR
Aphanomyces Root Rot (Race 1)	HR
Aphanomyces Root Rot (Race 2)	HR
Evolving Aphanomyces Strains <sup>1</sup>	HR
Stem Nematode	R
Spotted Alfalfa Aphid	R
Pea Aphid	R

HR = HIGH RESISTANCE R = RESISTANT MR = MODERATE RESISTANCE

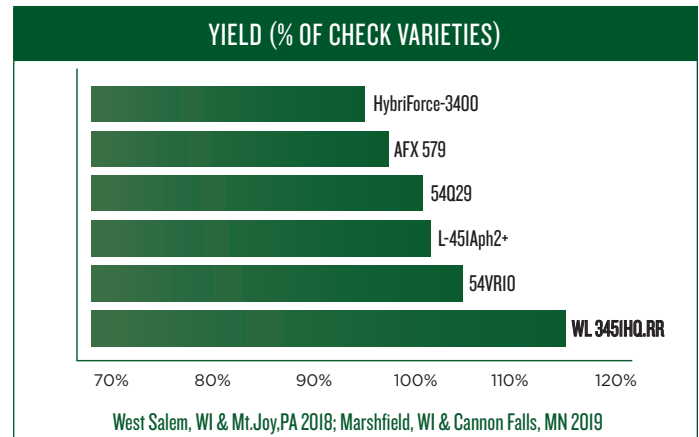


■ Area of Primary Adaptation

## Planting WL 345IHQ.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, which can result in more milk per ton fed and higher RFQ
- Optimal 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 optimal 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 345IHQ.RR Outyields the Competition\*



## UltraCut™ Alfalfa Disease Package

W-L Alfalfas with the UltraCut™ alfalfa disease package can provide agronomic advantages by protecting your crop against yield-limiting and evolving Anthracnose and Aphanomyces (A/A) 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 A/A threats with the UltraCut™ alfalfa disease package.

\* 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 Alfalfa's control, such as weather. Yield, profit and other results cannot be predicted or guaranteed by W-L Alfalfas.

For more information visit [WLAalfalfas.com](http://WLAalfalfas.com).

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Due to the unique cropping practices do not plant Roundup Ready® Alfalfa in Imperial County, California, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

Roundup Ready® Alfalfa has pending import approvals. 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. Visit [www.ForageGenetics.com/legal](http://www.ForageGenetics.com/legal) for the full legal, stewardship and trademark statements for these products.

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