



WL 349HQ

FD4

DORMANT

ULTRACUT™ ALFALFA DISEASE PACKAGE RAISES ANTE ON YIELD POTENTIAL AND PERSISTENCE LEADERS

Broad disease resistance is always a priority on our research teams, constantly looking for additional tolerance across a wide geography. WL 349HQ is a new W-L breakthrough product, with an evolving Aphanomyces strains¹ and Anthracnose² UltraCut™ Alfalfa Disease Package that offers growers the ability to help protect yield and quality potential. If top tier yield potential, quality and persistence under tough soil conditions at establishment or in-crop are your must-haves, you've found your next conventional variety.

ULTRACUT™
Alfalfa Disease Package

HQ™

AGRONOMIC TRAITS

| | |
|--------------------------|-------------|
| Maturity | Early |
| Fall Dormancy | 4.4 |
| Winterhardiness | 1.7 |
| 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 |

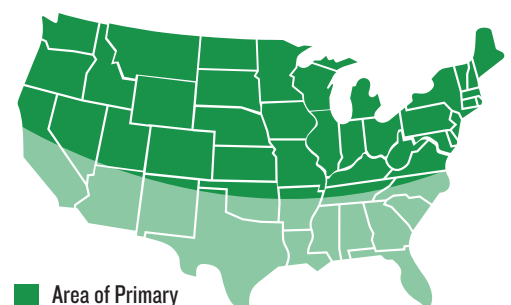
PEST RESISTANCE TRAITS

| | |
|---|----|
| Bacterial Wilt | HR |
| Fusarium Wilt | HR |
| Verticillium Wilt | HR |
| Anthracnose (Race 1) | HR |
| Anthracnose (Race 5) ² | HR |
| Phytophthora Root Rot | HR |
| Aphanomyces Root Rot (Race 1) | HR |
| Aphanomyces Root Rot (Race 2) | HR |
| Evolving Aphanomyces Strains ¹ | HR |
| Pea Aphid | HR |
| Stem Nematode | R |

HR = HIGH RESISTANCE R = RESISTANT MR = MODERATE RESISTANCE

¹ 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.

² Includes race 1 protection, along with Anthracnose Race 5, which was recently confirmed by USDA's Agricultural Research Service.



■ Area of Primary Adaptation

WL 349HQ Advantages

- Outstanding yield potential and agronomic performance under 4 to 5-cut harvest management systems (FD=4.4) in various locations throughout dormant alfalfa use areas
- A new day in disease resistance greatly effecting establishment and in-crop performance, WL 349HQ's perfect Disease Resistance Index (DRI) of 40/40 also includes HR (high resistance) to evolving Aphanomyces strains¹, and HR to Anthracnose race 1 and race 5²
- Superb winterhardiness (WH=1.7); WL 349HQ delivers excellent cold tolerance and persistence
- WL 349HQ contains "HQ" high-quality feed value levels highly desirable for dairy and cash hay producers
- UltraCut™ Alfalfa Disease Package offers expanding yield advantages over competitive checks with added years in production
- WL 349HQ delivers fast recovery in an FD4 package
- Great standability for intensive management systems
- Dark green, fine-stemmed, and a highly palatable HQ variety
- Very well-adapted and selected for use in the Midwest, Northeast, Intermountain regions, Pacific Northwest or Central and Northern Plains of the U.S.

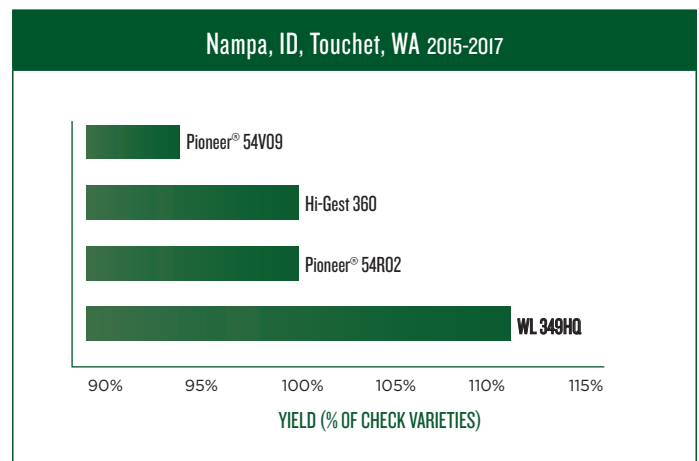
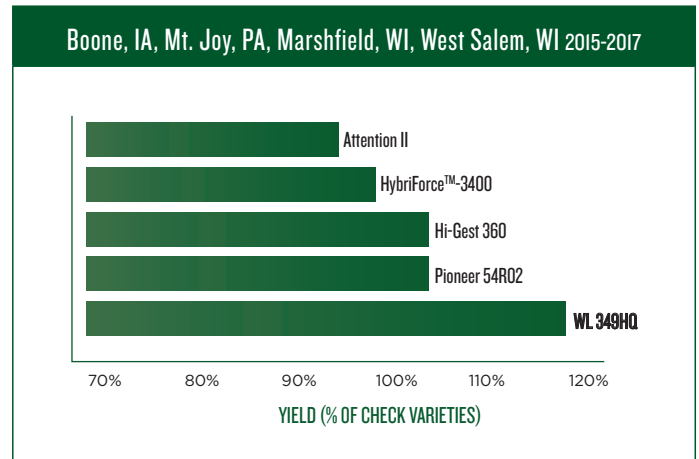
UltraCut™ Alfalfa Disease Package

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.



UltraCut™ varieties (in the middle) compared to susceptible competitive check varieties (on outsides), Photo taken at FGI Research Facility, June 2018, West Salem, WI

WL 349HQ Outyields the Competition*



* 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 WLAalfalas.com.

