# AN ALFALFA THAT GIVES YOU HARVER TRA. OPTIONS. NOT LIMITS.

## FARMERS NOW HAVE THE ABILITY TO BETTER MANAGE THE YIELD-VERSUS-QUALITY TRADE-OFF

The HarvXtra® Alfalfa trait is the most advanced alfalfa trait on the market and the first genetically engineered alfalfa trait developed to maximize quality by reducing the amount of lignin in the plant compared to conventional alfalfa at the same stage of maturity.

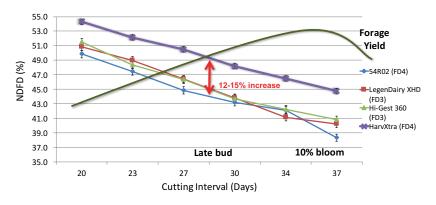
For growers, this means they have the flexibility to produce higher-quality forage or delay harvest to maximize yield potential, depending on weather or operational needs. HarvXtra® Alfalfa also includes the Roundup Ready® Alfalfa trait for unsurpassed weed control.

### FORAGE QUALITY LIKE NO OTHER

By reducing the amount of lignin in the plant, the HarvXtra® Alfalfa trait technology fundamentally changes the relationship between forage quality and stage of maturity. Less acid detergent lignin (ADL) and higher neutral detergent fiber digestibility (NDFD) improves digestibility and can command a higher price per ton come harvest.

**Delay Harvest for Yield** 

## Harvest for Quality NDFD - 4 Locations (WA, ID, IA, & WI)/2 yrs



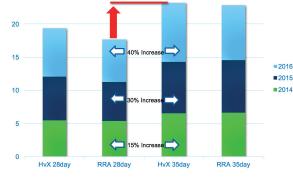
### HIGHER YIELD POTENTIAL

Fewer cuttings have the potential for more yield over time, less stress and lower harvest costs. The HarvXtra® Alfalfa trait lets growers delay harvest for seven to 10 days to increase tonnage without sacrificing yield quality.

## 28D VS 35D FORAGE YIELD – 3YR SUMMARY WEST SALEM, WI (SEEDED FALL 2013)

55.0 Forage 53.0 Yield 51.0 >20% more orage yield 49.0 NDFD (%) 54R02 (FD4) 47.0 45.0 LegenDairy XHD (FD3) 43.0 Hi-Gest 360 41.0 (FD3) HarvXtra (FD4) 39.0 37.0 Late bud 10% bloom 35.0 20 23 27 30 34 37 Cutting Interval (Days)

HarvXtra® Alfalfa (HvX) cut at 35 days averaged 30% yield increase over 3 years compared to Roundup Ready® Alfalfa (RRA) cut at 28 day





# WE DIDN'T INVENT ALFALFA, WE JUST REINVENTED IT.

NDFD - 4 Locations (WA, ID, IA, & WI)/2 yrs

To learn more about HarvXtra® with Roundup Ready® technology, visit **harvxtra.com** 

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. In the following states, use of HarvXtra® Alfalfa with Roundup Ready® Technology is subject to a Seed and Feed Use Agreement, noting that 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 in Imperial County, California, pending import approval in China and until Forage Genetics International, LLC (FGI) grants express permission for such planting. It is a violation of national and international containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their product purchaser to confirm their buying position for this product.

Due to factors outside of Forage Genetics International's (FGI) control, such as weather, crop production patterns, and other factors, results to be obtained, including but not limited to yields or financial performance, cannot be predicted or guaranteed by FGI. Results are based upon FGI controlled tests and field trials and public trials. Results may vary.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready@ and Roundup® are 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.