

The first FD6 release of a HarvXtra® alfalfa product

HarvXtra® Alfalfa is the industry's first genetically enhanced alfalfa technology developed to maximize quality compared to conventional alfalfa at the same stage of maturity, by reducing the amount of lignin in the plant.

HVX3686RR Brand Advantages

- HarvXtra Alfalfa gives growers the ability to better manage the yield-versus-quality trade-off. It offers more flexibility in cutting schedule to achieve improved forage quality or greater yield potential, when compared to conventional alfalfa at the same stage of maturity
- The HarvXtra technology provides unprecedented flexibility by widening cutting windows, which gives growers the option at each cutting to:
 1. Maintain their normal harvest schedules for higher-quality forage, **or**
 2. Delay harvest for 5-7 days for increased yield potential, without sacrificing forage quality, compared to conventional alfalfa at the same stage of maturity
- HarvXtra Alfalfa has 10-15% higher neutral detergent fiber digestibility (NDFd) than conventional alfalfa harvested at the same stage of maturity
- HarvXtra Alfalfa is stacked with the Roundup Ready® Technology for unsurpassed weed control with excellent crop safety

Planting HVX3686RR Brand 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
- Exceptional crop safety at all growth stages with the Roundup Ready® weed control system
- Recommended 1st glyphosate application at 1st-3rd trifoliolate stage to provide early weed control on new seedlings and lower seedling mortality
- 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



AGRONOMIC TRAITS	
Fall Dormancy	6.0
Winter Activity	Moderate
Digestibility	HarvXtra®
Persistence Index	Very High
Recovery After Harvest	Very Fast
Standability	Excellent

PEST RESISTANCE TRAITS	
Bacterial Wilt	Moderate Resistance
Fusarium Wilt	High Resistance
Anthrachnose (Race 1)	Resistance
Phytophthora Root Rot	High Resistance
Aphanomyces Root Rot (Race 1)	Resistance
Blue Alfalfa Aphid	Moderate Resistance
Pea Aphid	High Resistance
Spotted Alfalfa Aphid	High Resistance
Stem Nematode	Resistance

HVX3686RR Brand Variety Performance*

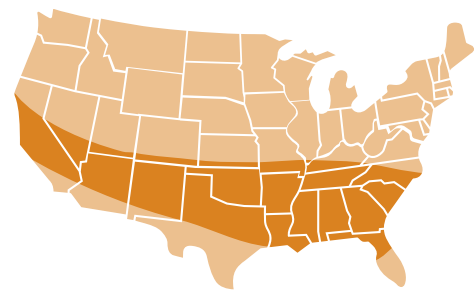
Canyon, TX; Davis, CA; Los Banos, CA 2016-2019

Variety	FD	Forage Yield (% Commercial Checks)			Forage Quality (NDFD % Commercial Checks)		
		Canyon, TX	Davis, CA	Los Banos, CA	Canyon, TX	Davis, CA	Los Banos, CA
HVX3686RR Brand	6	97	104	99	115	110	112
RR Six Shooter	6	99	-	-	100	-	-
RRALF 6R200	6	-	105	96	-	101	101
WL 454HQ.RR	6	105	98	102	95	101	101
AmeriStand 715NT RR	74	-	-	98	-	-	101

FD = Fall Dormancy

Note: Data come from FGI trials comparing HarvXtra® Alfalfa with Roundup Ready® Technology to commercial checks.

Selected Fall of 2015 in Davis, Los Banos, Canyon. Data collected 2016-2019 in Davis and Los Banos, 2016-2017 in Canyon in 2015 trials.



Area of Primary Adaptation

* 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.

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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 in Imperial County, California, pending import approval and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

HarvXtra® Alfalfa with Roundup Ready® Technology has 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. 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.

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