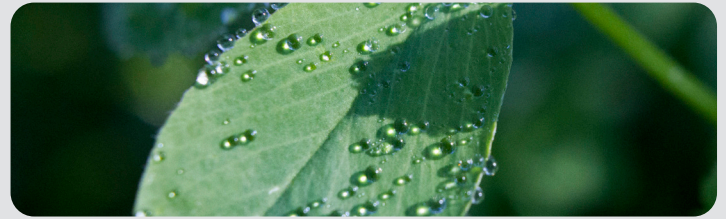


TRIUMPH HVXRR ALFALFA



- HarvXtra with Roundup Ready® Technology
- Industry leading disease package offering enhanced multi-race protection against
- Aphanomyces* and Anthracnose**
- Reduced lignin for unmatched feeding value
- Excellent forage yield
- High multifoliate leaf expression

A perennial forage legume, alfalfa rates highly in forage quality and palatability, yield, and adaptation. Alfalfa fixes its own nitrogen, greatly reducing fertilizer input. Deep taproots access deep soil moisture, increasing drought tolerance. Once rotated, alfalfa leaves a perfect soil structure and nutrient supply for the following crop.



Alfalfa can be cut up to ten times per year, depending on climate (length of growing season) and variety. It grows as monoculture for hay or haylage or in an alfalfa/grass stand for grazing. Stands can remain productive for ten years or more, although the yield will drop off.

SEEDING RATE: 9 Kg/Acre Pure Stand, **20 Lbs/Acre** Pure Stand

CHARACTERISTICS:

Varietal Class	Synthetic
Ploidy:	Tetraploid
Plant, Early Spring Growth:	29cm
Plant, Spring Height:	116cm
Plant, Spring Growth Habit:	Erect
Plant, Fall Regrowth:	28cm
Plant, Fall Growth Habit (Dormancy):	4.4
Winter Survival Rating:	Good, 1.6
Stem Length:	102cm
Stem Thickness:	Medium
Stem Pubescence:	Absent, 0%
Leaf Colour:	Dark Green
Multifoliate Leaf (MF) Expression:	High (41-75%)
Average Multifoliate Expression:	3.1
Days to Flowering:	37
Flower Colour:	100% Purple
Root Type:	Tap
Crown Width:	Medium
Crown Depth:	Medium
Pod Shape:	Crescent-Shape to Colied in Three Spirals
Pod Pubescence:	Absent, 0%

Blue Alfalfa Aphid:	Not Tested
Pea Aphid:	Resistant
Spotted Alfalfa Aphid:	Resistant
Potato Leafhopper:	Not Tested
Cowpea Aphid:	Not Tested
Stem Nematode:	Resistant
Northern Root Knot Nematode:	Not Tested
Anthracnose:	Highly Resistant
Aphanomyces Rot (Race 1):	Highly Resistant
Bacterial Wilt:	Highly Resistant
Fusarium Wilt:	Highly Resistant
Phytophthora Root Rot:	Highly Resistant
Verticillium Wilt:	Highly Resistant
Aphanomyces Root Rot (Race 2):	Highly Resistant
Aphanomyces Root Rot (Enhanced):	Highly Resistant
Anthracnose (Race 5):	Resistant
FALL DORMANCY:	4.4
WINTER SURVIVAL:	Good, 1.6

Highly Resistant, 51% or more resistant plants
 Moderately Resistant, 15 - 30% resistant plants
 Susceptible, 0 - 5% resistant plants
 Resistant, 31 - 50% resistant plants
 Low Resistance, 6 - 14% resistant plants

*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.
 **Anthracnose Race 5 was recently confirmed by researchers at Forage Genetics International, LLC (FGI) and USDA's Agricultural Research Service.

TRIUMPH HVXRR ALFALFA

DLF FORAGE PERFORMANCE TRIALS

Variety	Harvest Years	Total Cuts	Years @ Station	Total Yield (Kg/Ha)	Yield Index %
Triumph HVXRR	2021	8	2	11981.2	100
HVX Driver	2021	8	2	11832.2	99
Triumph HVXRR	2017-'20	14	6	5268.7	100
WL 341HVX.RR	2017-'20	14	6	5041.2	95
Triumph HVXRR	2017-'18	4	2	5751.5	105
HVX MegaTron	2017-'18	4	2	5571.4	102
Triumph HVXRR	2017-'18	4	2	5751.5	105
42HVXRR	2017-'18	4	2	5645.7	103
54HVX41	2017-'18	4	2	5662.9	103

DLF MILK YIELD COMPARISONS

Variety	Harvest Years	Total Cuts	Years @ Station	Milk Per Acre (Kg/Ha)	Milk Per Acre (Lb/Ac)	Comp. Checks %
Triumph HVXRR	2016-'18	9	3	24770.8	22100.0	112
Comp. Check(s)	2016-'18	9	3	22182.8	19791.0	100

Locations: Wisconsin: West Salem

Competitor Check (s): 55V50 Milk Per Acre values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006

DLF MILK YIELD COMPARISONS

Variety	Harvest Years	Total Cuts	Years @ Station	Milk Per Acre (Kg/Ha)	Milk Per Acre (Lb/Ac)	Comp. Checks %
Triumph HVXRR	2016-'18	9	3	1277.0	3104.0	113
Comp. Check(s)	2016-'18	9	3	1128.2	2741.0	100

Locations: Wisconsin: West Salem

Competitor Check (s): 55V50 Milk Per Acre & Milk Per Ton values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006

Stewarded Introduction for HarvXtra® Alfalfa with Roundup Ready® Technology. For the 2022 growing season, this product is available for planting in a limited geography and growers must direct any product produced from HarvXtra® Alfalfa with Roundup Ready® Technology seed or crops (including hay and hay products) only to Canadian 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 product purchaser to confirm their buying position for this product. This technology may be sold and planted only in the provinces of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland. Please contact the Bayer Technical Support Line at 1-800-667-4944 or refer to the Technology Use Guide for additional information. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® technology contains genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. Roundup Ready® and Roundup® are registered trademarks of Monsanto Technology LLC, Bayer Canada, Inc. licensee. HarvXtra® is a trademark of Forage Genetics International, LLC. HarvXtra® Alfalfa with Roundup Ready® Technology is enabled with Technology from The Samuel Roberts Noble Foundation, Inc.