

## Key Features

- Technology traits: HarvXtra with Roundup Ready® Technology
- Excellent disease resistance
- Reduced lignin
- Excellent forage yield

# Integrity HVXRR Alfalfa

**Fall Dormancy: 4**



## Variety Description

Varietal Class:	Synthetic
Ploidy:	Tetraploid
Plant, Early Spring Growth:	33cm
Plant Spring Height:	118cm
Plant Spring Growth Habit:	Erect
Plant Fall Regrowth:	25cm
Fall Growth Habit (Dormancy):	4
Winter Survival Rating:	Good, 1.4
Stem Length:	100cm
Stem Thickness:	Medium
Stem Pubescence:	Absent, 0%
Leaf Colour:	Dark Green
Multifoliate Leaf Expression:	Medium, 21-40%
Average of Multifoliate:	2.1
Days to Flowering:	37
Flower Colour:	98% Purple, 1% Blue, 1% Cream
Root Type:	Tap
Crown Width:	Medium
Crown Depth:	Medium
Pod Shape:	Crescent-Shape to Coiled in Three Spirals
Pod Pubescence:	Absent, 0%
Seeding Rate:	7-9kg/ac, 15-20lbs/ac

## Reaction to Pests & Diseases

Blue Alfalfa Aphid:	Not Tested
Pea Aphid:	Moderately Resistant
Spotted Alfalfa Aphid:	Highly Resistant
Potato Leafhopper:	Not Tested
Cowpea Aphid:	Not Tested
Stem Nematode:	Not Tested
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):	Low Resistance

## Integrity HVXRR Alfalfa

COMPARISON VARIETIES	HARVEST YEAR(S)	TOTAL CUTS	NUMBER OF STATION YEAR(S)	TOTAL YIELD (KG/HA)	YIELD INDEX (%)
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### DLF PICKSEED CANADA INC. YIELD COMPARISONS

<b>Integrity HVXRR</b>	<b>2017-'19</b>	<b>8</b>	<b>4</b>	<b>2752.3</b>	<b>101</b>
54HVX41	2017-'19	8	4	2559.6	94
HVX Driver	2017-'19	8	4	2664.3	99

COMPARISON VARIETIES	HARVEST YEAR(S)	TOTAL CUTS	NUMBER OF STATION YEAR(S)	MILK PER ACRE (KG/HA)	MILK PER ACRE (LB/AC)	% OF COMPETITOR CHECK(S)
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### MILK YIELD COMPARISON

<b>Integrity HVXRR</b>	<b>2017-'19</b>	<b>34</b>	<b>8</b>	<b>25761.6</b>	<b>22984.0</b>	<b>109</b>
Competitor Check(s)	2017-'19	34	8	23505.4	20971.0	100

Locations: Wisconsin: Nampa, ID, Touchet, WA, Cannon Fall, MN, Boone, IA, Mt Joy, PA, West Salem, WI.

Pioneer Check(s): Boost HG

Milk Per Acre values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006

COMPARISON VARIETIES	HARVEST YEAR(S)	TOTAL CUTS	NUMBER OF STATION YEAR(S)	MILK PER TON (KG/T)	MILK PER TON (LB/T)	% OF COMPETITOR CHECK(S)
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### MILK YIELD COMPARISON

<b>Integrity HVXRR</b>	<b>2017-'19</b>	<b>34</b>	<b>8</b>	<b>1346.0</b>	<b>3270.0</b>	<b>115</b>
Competitor Check(s)	2017-'19	34	8	1186.0	2881.0	100

Locations: Wisconsin: Nampa, ID, Touchet, WA, Cannon Fall, MN, Boone, IA, Mt Joy, PA, West Salem, WI.

Pioneer Check(s): Boost HG

Milk Per Acre values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006



### QUALITY

Maintain normal harvest schedule and achieve higher quality!

High quality forage = high forage intake



### YIELD

Extend harvest, capture higher yield potential and maintain quality! Growers can achieve up to 25% higher yield potential by extending harvest up to 10 days.



### FLEXIBILITY

Bad weather or equipment repairs can disrupt cutting schedules. HarvXtra® Alfalfa, gives the flexibility to extend cuttings. Instead of planning life around alfalfa, cut when it works with your schedule.

**16-20%**

### LESS LIGNIN

(acid detergent lignin) across cuttings and locations

**14-18%**

### HIGHER RFQ

(relative forage quality) across cuttings

**14-18%**

### HIGHER NDFD

(neutral detergent fiber digestibility) across cuttings

**up to 26%**

### HIGHER YIELD

with delayed harvest at 35 day cutting intervals\*

**Use Limitations for HarvXtra™ Alfalfa with Roundup Ready® Technology.**

Do NOT export HarvXtra™ alfalfa with Roundup Ready® technology hay or hay products to China, pending import approval. 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 Monsanto 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, an 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, Monsanto Canada, Inc. licensee. HarvXtra™ is a trademark of Forage Genetics Internal, LLC. HarvXtra™ Alfalfa with Roundup Ready® Technology is enabled with Technology from The Samuel Roberts Noble Foundation, Inc.