

2023 Technical Data



Eclipse Alfalfa

Fall Dormancy: 4.4
Winter Survival: 1.6

KEY FEATURES

- Industry leading disease package offering enhanced multi-race protection against Aphanomyces* and Anthracnose**
- Excellent disease resistance
- Excellent forage yield
- Improved forage quality
- Very high multifoliate leaf expression

VARIETY DESCRIPTION

Varietal Class:	Synthetic
Ploidy:	Tetraploid
Plant, Early Spring Growth:	34cm
Plant Spring Height:	104cm
Plant Spring Growth Habit:	Erect
Plant Fall Regrowth:	31cm
Fall Growth Habit (Dormancy):	4.4
Winter Survival Rating:	Good, 1.6
Stem Length:	104cm
Stem Thickness:	Medium
Stem Pubescence:	Absent, 0%
Leaf Colour:	Dark Green
Multifoliate Leaf Expression:	Very High >76%
Average of Multifoliate:	3.1
Days to Flowering:	35
Flower Colour:	98% Purple, 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:	9kg/ac, 20lbs/ac

REACTION TO PESTS & DISEASES

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):	Resistant
Anthracnose (Race 5):	Resistant

*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.

2023 Technical Data



Eclipse Alfalfa

DLF PICKSEED CANADA INC. YIELD COMPARISONS

	HARVEST YEARS	# OF CUTS	# OF STATION YEARS	YIELD (KG/HA)	YIELD INDEX (%)
Eclipse	2021	13	4	10472.2	N/A
AAC Trueman	2021	13	4	9809.9	N/A
Eclipse	2019-'21	37	11	11159.9	N/A
Velvet II	2019-'21	37	11	10872.2	N/A
Eclipse	2019-'20	12	5	12001.6	102
Dominator	2019-'20	12	5	11890.7	101
55Q27	2019-'20	12	5	11845.1	100
Eclipse	2016-'18	56	13	15602.3	111
Boost HG	2016-'18	56	13	14033.1	100

DLF PICKSEED CANADA INC. YIELD SUMMARY

	HARVEST YEARS	# OF CUTS	# OF STATION YEARS	YIELD (KG/HA)	YIELD INDEX (%)
Eclipse	2019-'21	49	16	11423.0	101

DLF PICKSEED CANADA INC. MILK YIELD COMPARISON

	HARVEST YEARS	# OF CUTS	# OF STATION YEARS	MILK PER ACRE (KG/HA)	MILK PER ACRE (LB/AC)	% OF COMPETITOR CHECK(S)
Eclipse	2019-'20	6	3	25713.5	22941.0	104
Instinct	2019-'20	6	3	25136.2	22426.0	102
Competitor Check(s)	2019-'20	6	3	24732.7	22066.0	100

Locations: Ontario: Lindsay, Port Hope Competitor Check(s): 54Q14, Boost HG, Dominator, Showdown, Pillar ST, Surge HG Milk Per Acre values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006

DLF PICKSEED CANADA INC. MILK YIELD COMPARISON

	HARVEST YEARS	# OF CUTS	# OF STATION YEARS	MILK PER TON (KG/T)	MILK PER TON (LB/T)	% OF COMPETITOR CHECK(S)
Eclipse	2019-'20	6	3	1575.3	3473.0	105
Instinct	2019-'20	6	3	1547.2	3411.0	103
Competitor Check(s)	2019-'20	6	3	1505.9	3320.0	100

Locations: Ontario: Lindsay, Port Hope Competitor Check(s): 54Q14, Boost HG, Dominator, Showdown, Pillar ST, Surge HG Milk Per Acre & Milk Per Ton values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006