

CATALYST ALFALFA

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



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

CHARACTERISTICS:

Varietal Class:	Synthetic
Ploidy:	Tetraploid
Plant, Early Spring Growth:	8cm
Plant, Spring Height:	50cm
Plant, Spring Growth Habit:	Semi-Prostrate
Plant, Fall Regrowth:	5cm
Stem Length:	50cm
Stem Thickness:	Thin
Stem Pubescence:	Absent, 0%
Leaf Colour:	Dark Green
Multifoliate Leaf (MF) Expression:	Very High > 76%
Average Multifoliate Expression:	N/A
Days to Flowering:	48
Flower Colour:	99% Purple, 1% Variegated
Root Type:	Creeping
Crown Width:	Medium Wide
Crown Depth:	Very Deep
Pod Shape:	Crescent-Shape to Colied in Three Spirals
Pod Pubescence:	Present (100%)

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 Root Rot:	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):	Not Tested
FALL DORMANCY:	3.4
WINTER SURVIVAL:	1.0

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.