

# **Archer III**

# HIGH YIELD POTENTIAL MULTILEAF VARIETY WITH HIGH NEMATODE RESISTANCE

FALL DORMANCY 5 WINTERHARDINESS 1.8 4-5 CUTTINGS A SEASON

- Best choice to help minimize nematode population
  build-up in crop rotations
- High resistance to nine yield-robbing diseases and pests
- Excellent dark green color for high quality, leafy and fine-stemmed hay
- Very fast recovery for frequent harvest schedules under intensive management

Performance Profile		
Yield Potential	Excellent	
Stand Persistence	Excellent	
Recovery After Cutting	Very Fast	
Resistance Ratings		
Phytophthora Root Rot	HR	
Aphanomyces Root Rot (Race 1)	HR	
Anthracnose	HR	
Bacterial Wilt	HR	
Fusarium Wilt	HR	
Pea Aphid	HR	
Stem Nematode	HR	
Root Knot Nematode	HR	

HR = >51% Resistance, R = 31-50% Resistance, MR = 15-30% Resistance LR = 6-14% Resistance



## **Nematodes are Yield Robbers**

#### Stem Nematode

infestations can cause stunted plants and thin stands. Under warm, humid conditions, they can migrate into leaf tissue, killing chloroplasts and turning the leaves white.



#### Root Knot Nematodes

are among the most widespread and economically damaging to alfalfa. They are most abundant in sandy loam soils and infect roots, causing galls and lateral root growth.Bacterial wilt, Phytophthora root rot, Fusarium wilt and stem nematode damage may be enhanced when Northern root knot is present.

Mild

#### **Variety Performance**

Yield Trial Location	Trial Years Reported	Multi-Year Total Tons per Acre	Multi-Year % of Mean
Eltopia, WA	3	28.74	110%
Larned, KS	2	16.66	104%
Los Lunas, NM	4	29.94	103%
Mount Joy, PA	2	15.44	108%
Othello, WA	4	27.04	106%
Tulelake, CA	4	34.16	109%
West Salem, WI	3	24.22	120%

The above table compares variety performance in locations with a positive results relative to trial mean.

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