

# ALFALFA



## **GROWERS GUIDE to Alfalfa Seed**



[www.ArrowSeed.com](http://www.ArrowSeed.com)



# Why buy alfalfa from Arrow Seed?

Experience. Seventy years in the alfalfa business makes a difference. We've seen the genetic advancements—from Ranger in 1940 and Wrangler in 1984 to the Genuity® Roundup Ready® and low-lignin varieties of today. Our experience helps us find the genetics that offer alfalfa growers a true value. Arrow Seed isn't just looking for a new way to present something, we look for genetics that truly raise the bar. Those genetics can offer top yields like Journey 372HY, disease resistance like AmeriStand 427TQ, or increased forage quality like Hi-Gest® 360.

The right seed, properly matched to your management practices and growing conditions, pays for itself, often with the first cutting. After that, better persistence, healthier plants and consistent high yields put more money in your pocket over the life of the stand—as much as \$100 extra per acre per year.

***Quality seed pays. Period.***

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***“We have always tried to plant quality seed in our alfalfa program. I have really liked the yield increases from the hybrid alfalfa and also really like the benefits of Roundup Ready hay. It really keeps our dairy customers happy when they see clean hay with no weeds. I’ve bought exclusively from Arrow for over 15 years because of the quality that they provide.”***

***—Kyle Lechtenberg, North View Family Farms***

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## **Better Seed - Better Returns**

### ***Quality Genetics Pay!***

#### **Journey 372HY Alfalfa**

- Seed cost: \$5.95/lb  
\$89.25/acre at 15 lb/acre  
\$22.31/acre/year seed cost over four years
- Yield: 9.03 tons/acre/year
- **Return:** \$903/acre/year (\$100/ton)

#### ***Vernal Alfalfa Seed***

- Seed cost: \$3.45/lb  
\$51.75/acre at 15 lb/acre  
\$12.94/acre/year seed cost over four years
- Yield: 7.79 tons/acre/year
- **Return:** \$779/acre/year (\$100/ton)



### ***Your Bottom Line***

In this example there is a \$124/acre/year advantage using quality genetics from Arrow Seed. That's \$496 per acre over four years, or nearly \$50,000 extra profit for every 100 acres! All this for an additional investment of \$9.37 per acre per year.

### ***Quality Genetics Pay!***

### ***Alfalfa Variety Quick Reference***

<b>VARIETY</b>	<b>CHARACTERISTICS</b>
AmeriStand 455TQ RR	RR, yield, high quality
FSG 428 RR	RR, yield, value
AmeriStand 403T Plus	Tough, long rotation
AmeriStand 427TQ	Traffic tolerant, high quality
Arapaho II	Salt and high pH soil tolerant
Enhancer II	Yield, persistence
Journey 372HY	Top yield, quality
Hi-Gest 360	Best dairy quality

# AmeriStand 455TQ RR Alfalfa

This second-generation Genuity® Roundup Ready® alfalfa from the America's Alfalfa® Traffic Tested® program is a high-yielding, good-quality variety yielding 4 to 5 cuttings of weed-free alfalfa hay. Excellent disease package.



Fall dormancy 4.4, winter hardiness 2.0

- Performance of 407TQ with Roundup herbicide tolerance
- Excellent forage quality for optimal animal performance
- Very fast recovery for frequent harvest schedules
- Traffic Tested large deep-set crown

***Use for high-yielding, good-quality, weed-free alfalfa.***



## **FSG 428 RR Alfalfa**

One of the latest generation Genuity® Roundup Ready® alfalfa varieties with high multifoliate leaf expression for superior forage quality. This variety is resistant to stem nematodes. Adapted to 4- to 5-cut systems with excellent forage yield potential, superior forage quality.

Fall dormancy 4.0, winter hardiness 2.0

- Roundup herbicide tolerance for unsurpassed weed control
- Great forage yield potential
- Superior forage quality
- High multi-foliate leaf expression

***A great value with current RR alfalfa genetics!***





## AmeriStand 403T Plus Alfalfa

Increased resistance to the crown-rot complex boosts this variety's potential for higher yields, stand establishment and persistence. Traffic Tested with deep-set crowns for tolerance to wheel or hoof traffic.



Fall dormancy 4.0, winter hardiness 2.1

- Better yields at the end of long rotations
- Large, deep-set crowns
- Excellent disease resistance

***Use for long rotation irrigated, sub-irrigated or dryland stands.***





## AmeriStand 427TQ Alfalfa

Expect top yields with superior forage quality potential from this Traffic Tested variety with up-to-date disease resistance.



Fall dormancy 4.3, winter hardiness 1.8

- Very fast harvest recover
- Selected for superior forage quality
- Excellent DRI of 35/35 with HR to both race 1 & 2 of Aphanomyces

***Use where high disease pressure is expected, and good yield and quality is desired.***

## Arapaho II Alfalfa

Designed for poorly drained soils, Arapaho II is a branch-rooted alfalfa that offers high forage yield potential. The branch-rooted trait keeps more of the roots above the water table, solidly anchoring the plant in freeze/thaw cycles. Arapaho II has shown a high tolerance to saline soils and soil pH approaching 8.4.

Fall dormancy 3.8, winter hardiness 1.8

- Highly salt tolerant
- Branch-root trait adjusts as moisture levels intensify
- 30/30 DRI as well as Aphanomyces Race 2 resistance for stable, long-term performance
- Solid genetics push persistence in tough conditions

***Use where water tables are high. Performs well in normal, well-drained soils as well!***



## Enhancer II Alfalfa

Next generation in the Enhancer family of highly productive alfalfas. Quick regrowth and excellent persistence make this workhorse variety a fit on many farms. Enhancer II also offers a strong disease and nematode resistance package.

Fall dormancy 4.0, winter hardiness 1.6

- Consistent, top-ranking yield potential
- Fast recovery and excellent persistence
- Excellent disease resistance

***Use in standard four-cut system for yields you can bank on.***





## **Journey 372HY Brand Alfalfa**

A second-generation hybrid characterized by its aggressive growth of thick, leafy stands and fine stems. Journey 372HY is the next generation of alfalfa to offer consistent, maximum yields. Journey 372HY ranks in the top-yield group trial after trial, recently topping the 2015 Nebraska variety test.

Fall dormancy 4, winter hardiness 1.8

- Exceptional yield potential
- Fast regrowth of dense, fine-stem forage
- Top forage quality visible in dense, attractive bale
- Dense, uniform stands out compete weeds
- Fine stems allow faster drydown
- Excellent disease resistance for broad adaptability

***Best suited for producers seeking to maximize yield!***



## **Hi-Gest® 360 Alfalfa**

The first low-lignin alfalfa on the market! A product of conventional plant breeding with whole plant lignin 7% to 10% lower than other elite commercial varieties, resulting in improved digestibility and higher feed intake. Allows cutting flexibility by maintaining higher digestibility longer in to bloom period.

Fall dormancy 3, winter hardiness 1.5

- Wider harvest window of up to 7 days past bud or one-tenth bloom.
- Improved forage quality as measured by % acid detergent lignin (ADL)
- Excellent disease package
- Average regrowth rate

***Best dairy hay potential available in a non-GMO alfalfa!***

# ARROW SEED ALFALFA

Variety	AmeriStand		AmeriStand
	455TQ RR	FSG 428 RR	403T Plus
Potential Yield	Very Good	Excellent	Very Good
Forage Quality	Excellent	Excellent	Very Good
Recovery After Harvest	Very Fast	Very Fast	Fast
Persistence	Excellent	Very Good	Excellent
Fall Dormancy	3.3	4	4
Winter Survival	2.0	2	2.1
Salt Tolerance	G	G	NR
Bacterial Wilt	HR	HR	HR
Fusarium Wilt	HR	HR	HR
Verticillium Wilt	HR	HR	HR
Anthracoese	HR	HR	HR
Phytophthora Root Rot	HR	HR	HR
Aphanomyces(Race 1)	HR	HR	HR
Aphanomyces(Race 2)	NR	NR	R
Pea Aphid	R	HR	HR
Spotted Alfalfa Aphid	NR	NR	NR
Stem Nematode	R	MR	HR
Northern Root Knot Nematode	HR	NR	NR
Total DRI	30/30	30/30	30/30

Fall Dormancy Ratings: 1=Most Dormant, 9=Least Dormant. This is an indicator of relative maturity.

Winter Survival Ratings: 1=Most Hardy, 9=Least Hardy



# COMPARISON CHART

AmeriStand		Journey				
427TQ	Arapaho II	Enhancer II	372HY	Hi-Gest® 360	Big Red 3	Big Red 4
Excellent	Good	Excellent	Excellent +	Good	Very Good	Excellent
Excellent	Good	Very Good	Excellent	Excellent +	Good	Very Good
Very Fast	Average	Very Fast	Very Fast	Average	Average	Fast
Excellent	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
4.3	3.8	4	4	3	3	4
1.8	1.8	1.6	2.4	1.5	2.5	2.6
G	G,F	NR	NR	NR	NR	NR
HR	HR	HR	HR	HR	HR	HR
HR	HR	HR	HR	HR	R	HR
HR	HR	HR	R	HR	HR	HR
HR	R	HR	HR	HR	R	R
HR	HR	HR	HR	HR	R	R
HR	R	HR	R	HR	R	R
HR	NR	NR	NR	HR	MR	MR
R	NR	R	R	NR	R	R
NR	NR	NR	R	NR	R	MR
HR	R	HR	R	NR	MR	R
NR	HR	HR	HR	NR	NR	NR
30/30	30/30	30/30	28/30	30/30	26/30	27/30

Pest Resistance: HR=Highly Resistant, R=Resistant, MR=Moderately Resistant, LR=Low Resistance, S=Susceptible, NR=No Rating

Salt Tolerance: G=Germination; F=Forage



For more information on all our alfalfa seed, including assistance selecting an alfalfa variety appropriate for your specific situation, go to [www.ArrowSeed.com](http://www.ArrowSeed.com) or contact your local Arrow Seed dealer.



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