



First in Forage

GROWER'S GUIDE
TO ALFALFA SEED

ARROW SEED

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Proven Performers



*The key to better results is better seed.
Arrow Seed matches your alfalfa needs
to your acres, management practices
and targeted end use.*

By carefully selecting and matching alfalfa genetics to this region and your soil condition, Arrow Seed ensures that the high-quality seed performs – from establishing an initial strong stand through many years of solid production.

The key is knowing the background of each variety and testing, testing and more testing. Once a variety holds up to Arrow Seed's standards, from forage quality to winterhardiness to disease resistance, we partner with seed suppliers who share our commitment to quality and meet our high standards.

Yet we believe this extra initiative is worth the effort. It ensures that Arrow Seed alfalfa seed is properly conditioned and ready to live up to its genetic potential in your field.

Cutting after cutting, year after year—your investment in alfalfa seed from Arrow Seed pays off, often returning that investment in just the first season.





Better seed – better returns.



To get the most from your alfalfa acres, you need a company that puts its focus there, too. At Arrow Seed, forage is first and foremost.

Arrow Seed dealers and forage agronomists are often asked about the value of better genetics. The answer is simple: Alfalfa that is built tough and stays healthy delivers year after year – compounding the benefits of high-quality seed and the value of your investment in them. This is demonstrated on farm after farm year after year.

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 per acre per year.

Quality seed pays. Period.



QUALITY GENETICS

\$5.50/lb.

\$82.50/acre at 15 lb./acre

\$20.63/acre/year seed cost over four years

7.32 tons/acre/year*

\$732/acre/year (\$100/ton)

"COMMON" SEED

\$2.50/lb.

\$37.50/acre at 15 lb./acre

\$9.38/acre/year over four years

6.0 tons/acre/year

\$600/acre/year (\$100/ton)

BOTTOM LINE:

\$132/acre/year advantage for quality genetics

That's \$528 per acre over four years

or more than \$52,000 for every 100 acres!

All for an investment of \$11.25 per acre per year.

**Yield advantage of Journey 372HY brand hybrid over Vernal demonstrated in 29 cuttings in university trials. Better genetics often result in a higher quality forage, which generally yields a better price on the market.*



Quality genetics pay!

Alfalfa Varieties



An investment in quality alfalfa genetics from Arrow Seed yields in the field – and in your wallet through more tons, healthier stands and better persistence.

Throughout the long history of Arrow Seed, we've come to know the varieties of alfalfa that perform best in our climate. Not every variety makes the cut or stays in the line-up year after year.

The top varieties included here are the region's best performers, with the traits you need to match your growing conditions and marketing goals, traits that will maximize your yields and profit potential. For more information, contact your Arrow Seed dealer or visit www.ArrowSeed.com.

NEW Journey 372HY Brand Alfalfa



Generation 2 hybrid alfalfa characterized by its aggressive growth of thick, leafy stands and fine stems. **Journey 372HY** is the next generation hybrid alfalfa that offers consistent, maximum yields. In nearly 300 cuttings, **Journey 372HY** averaged a 7 percent yield advantage over comparable varieties and maximized overall returns.

- 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 dry down
- Excellent disease resistance for broad adaptability

Best suited for producers seeking to maximize yield with aggressive cutting schedule and fertility management.

L-447H.D. Alfalfa

An extremely high yielding alfalfa, **L-447H.D.** with whole plant digestibility to maximize feed intake and overall milk production for dairy operations. A proven winterhardy and disease resistant variety, **L-447H.D.** maintains its quality in the field and averages a 7 percent yield advantage over similar varieties in more than 250 cuttings.

- Extremely high milk per acre and milk per ton
- Outstanding conversion results in high daily gains for beef producers
- Four plus cut system maximizes yield and quality
- High durability means a long lasting stand life

Perfect for commercial producers of the highest quality hay.

FSG 408DP Alfalfa



A tough cowboy alfalfa, **FSG 408DP** is a solid, dual purpose performer that is ideally suited for both haying and grazing. **FSG 408DP** is recognized for its deep-set crowns, as a majority of the crowns are 1-1.5 inches below the soil surface, protecting the plant in winter and in high traffic.

- High yield potential in a versatile variety
- Stands up to wheel traffic and intensive grazing
- Superior disease and insect resistance
- Excellent long-term persistence

*Use for irrigated, subirrigated or dryland.
Great for long rotations.*



Success means performance in the field and by your livestock. Alfalfa genetics from Arrow Seed deliver on both counts – and more.



Persistence and yield are the hallmarks of high quality alfalfa from Arrow Seed.

NEW

Enhancer II Alfalfa

Improving on the original Enhancer's impressive disease and nematode resistance, **Enhancer II** delivers high forage quality and nutrient values desired by demanding dairy operators. Quick regrowth and excellent persistence also highlight this drought tolerant variety that averaged a 5 percent yield advantage compared to similar varieties in more than 200 cuttings.

- High resistance to the six major diseases that attack alfalfa
- Very high leaf to stem ratio shows off quality
- Top forage yield potential boosts profits
- Improved digestibility for better animal performance

Use in four cut system near Interstate 80 and south or where the original Enhancer was successful.

AquaMate + Alfalfa

Designed for poorly drained soils, **AquaMate +** 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. It is an excellent companion alfalfa to a highly productive tapped root variety.

- 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

Use where water tables are high.

Big Red 3 Brand and Big Red 4 Brand Alfalfas

Big Red 3 and **Big Red 4** alfalfa blends roll out bales faster than the Nebraska offense rolls out yards – and do so at an exceptional value. Both are high yielding, winterhardy varieties. **Big Red 3** is a fall dormancy 3 variety and **Big Red 4** is a fall dormancy 4 variety.

- Solid disease resistant base
- Performs well on dryland
- Persists for five or more productive years

Plant Big Red 3 north of Interstate 80 and Big Red 4 south of Interstate 80. Better yields and disease resistance than “commons.”

Public Varieties

These four varieties have been used for years in the North Central region.

- Ranger – Released in 1940, first available improved alfalfa cultivar
- Vernal – Released in 1953, moderate regrowth and fine stems
- Travois – Released in 1963, low growth, aggressive root spread
- Wrangler – Released in 1984, best disease resistance package of public varieties



Sturdy alfalfa genetics mean consistent yields over a number of years – all backed by the know-how of forage specialists at Arrow Seed.

From highly digestible dairy hay – to hay and razing varieties – to alfalfa that performs well in wet soils, Arrow Seed has what you're looking for.



VARIETY	JOURNEY 372 HYBRID	L-447 H.D.	FSG408DP
Bacterial Wilt	HR	HR	HR
Fusarium Wilt	HR	HR	HR
Verticilium Wilt	HR	R	R
Anthracnose	HR	HR	HR
Phytophthora Root Rot	HR	HR	HR
Aphanomyces	R	HR	R
Pea Aphid	NA	R	R
Spotted Aphid	NA	R	NR
Stem Nematode	R	MR	R
Northern Root Knot Nematode	HR	MR	HR
Total DRI	29/30	29/30	28/30
Recovery After Harvest	Very Fast	Med Fast	Very Fast
Fall Dormancy	4	3.7	4
Winter Survival	1.8	2.4	1.9
Persistence	Excellent	Very Good	Excellent
Forage Quality	Excellent	Excellent	Very Good
Potential Yield	Excellent	Excellent	Excellent



Alfalfa Comparison Chart

For more information, including technical sheets on all our alfalfa varieties, go to www.ArrowSeed.com or contact your local Arrow Seed dealer.

**Variety with branched root trait designed for poorly drained soil.*

Fall dormancy ratings: 1 = Most dormant
9 = Least dormant

This is an indicator of relative maturity

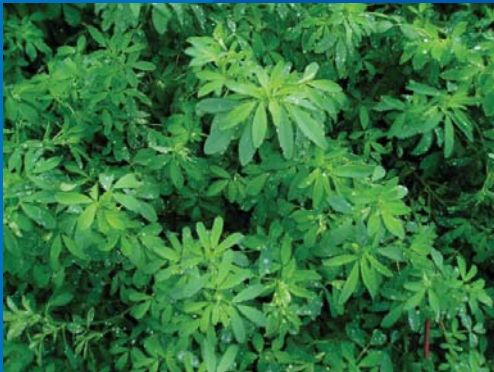
Winter survival ratings: 1 = Most hardy
9 = Least hardy

Pest resistance: HR = Highly resistant
R = Resistant
MR = Moderately resistant
LR = Low resistance
S = Susceptible
NR = No rating

ENHANCER II	AQUAMATE +*	BIG RED 3	BIG RED 4
HR	HR	HR	HR
HR	HR	R	R
HR	HR	MR	MR
HR	HR	R	MR
HR	HR	R	R
HR	HR	R	R
R	R	R	R
NA	R	R	MR
HR	R	MR	R
HR	R	NR	NR
30/30	30/30	24/30	23/30
Very Fast	Med Fast	Med Fast	Fast
4	3	3	4
1.6	2.0	2.5	2.6
Excellent	Very Good	Very Good	Very Good
Excellent	Good	Very Good	Very Good
Excellent	Good	Very Good	Excellent



Our experience is yours.



Alfalfa seed from Arrow Seed comes with the know-how of our forage specialists.

Quick regrowth on dense stands, tremendous yields, persistence, high feed value. That – and more – are possible with high-quality alfalfa seed from Arrow Seed.

But Arrow Seed's quality assured seed comes with more than a bag. It comes with the decades of experience gained by our forage specialists whose sole purpose is to evaluate and research seed genetics and help customers in our region – in our soil and climate conditions – succeed in forage.

In fact, forage is our focus – and has been since Arrow Seed marketed its first pound of high-quality seed in Nebraska in 1946. This allows our specialists to be just that: specialists in forage. From seeding to feeding. From insects to disease threats. Our experience and dealer network are there to assist you beyond the initial seed selection to ensure the success of your crop.

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