



**2024**

Product Guide – Midwest/East





### AT ALFOREX®

we think you should expect more from your alfalfa and forage crops. High yields, solid agronomics, better forage quality and improved fiber digestibility are all reasonable requirements for these crops, but perhaps now is the time to reach a little higher. **Time to grow your performance expectations.**

That may be a bold challenge, but over the last several years we've seen the power in that type of thinking. Whether it's Hi-Ton® alfalfa, Hi-Salt salinity tolerant varieties or the industry leading Hi-Gest® family of performance alfalfas, each can make a real difference on the farm. And if you could take a peek at our pipeline, you'd see we've only just scratched the surface.

Our promise to you is that we'll continue leading the way and pushing the industry to new heights. We'll stay committed to alfalfa and forage. And we'll do our best to help you get more out of your alfalfa and forage crops.

**Our name stands for ALFalfa and FORage EXcellence. That's our focus, and when you use our products, that commitment shines through in every bag.**

#### FOCUSED ON PERFORMANCE

Alforex® brand products deliver a wide range of agronomic solutions tailored to where and how you farm. Real solutions—like salinity and stress tolerance, improved persistence, yield performance, better fiber digestibility for feed efficiency and nutrition, adding value through more milk, more meat and greater productivity per acre.

#### FOCUSED ON INNOVATION

Decades of alfalfa research results in a fast paced environment of continual innovation devoted exclusively to alfalfa and forages. That means you can rely on us for groundbreaking products along with steady advances in yield, quality, pest resistance, stress tolerance and persistence.

#### FOCUSED ON YOU

When you choose Alforex Seeds, you benefit from dedicated technical experts and a sales team who focuses solely on alfalfa and forages. Their insight and experience across millions of acres when combined with the knowledge you have of the specific conditions on your farm, will find the best seed solution for you. When it comes time to plant, you won't rely on speculation; you'll rely on proven expertise.

### Alforex Seeds + DLF: Seeds & Science, Delivered

**We are ready to welcome you to a new era for Alforex Seeds products with our transition to DLF following DLF's acquisition of the Corteva Agriscience™ alfalfa breeding program and related assets.**

**DLF is a global leader in the development of innovative forage products.** DLF's U.S. business is headquartered in Lebanon, Oregon together with a large portion of DLF's North American research and seed production activities. This is also the primary location from which wholesale customers are serviced. DLF also operates a distribution-focused business through our La Crosse Seed brand which focuses on dealer customer needs from our seven midwestern locations.

Still the Alforex Seeds® you know and trust, now supported by a worldwide organization with a tremendous passion for innovation and a commitment to helping deliver the absolute best forage products.

As we move forward, our goal is to provide continuity to the alfalfa products you and your customers have been accustomed to sourcing along with all the other forage, cover crop, and other specialty seed products you may require.





AFX 460 Hi-Gest® Alfalfa

# **Serious Growers Plant ALFOREX SEEDS**

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# Hi-Gest<sup>®</sup> ALFALFA TECHNOLOGY

Patents Pending

- ✓ **Elite, conventional genetics with improved rate and extent of fiber digestibility**
- ✓ **Elite genetics selected for high yield and quality, with a high leaf to stem ratio and more crude protein**
- ✓ **Elite genetics with a track record of on-farm performance**



**Download a Product Sheet**  
Visit [alforexseeds.com](http://alforexseeds.com) to view and access a printable PDF for each Alforex alfalfa variety.

## On-farm performance

Varieties with Hi-Gest<sup>®</sup> have been proving their extra performance and value since the 2015 growing season. Livestock respond to the improved fiber digestibility and forage intake increases as expected when Hi-Gest forage is included in the ration. Dairymen who grow their own forage are rapidly converting their acres to Hi-Gest to take advantage of the higher digestibility, while commercial hay growers who focus on quality for their clients are being rewarded for preserving the identity of these higher performing lots of hay.

## Balancing yield and quality

Lignin is the complex organic compound that hardens and strengthens the plant's cell walls. In mature plants, **lignin increases yield, but negatively affects forage quality** and interferes with animal digestion. To minimize this dilemma, producers have traditionally found a compromise between yield and quality by harvesting at late-bud stage to one-tenth flower. Today's Hi-Gest varieties with faster fiber digestibility provide growers additional management flexibility around the traditional yield versus quality dilemma.

Through focused breeding Hi-Gest developed varieties offer high yield potential, **a 5-10% increased rate of fiber digestion** which improves animal intake; **increased extent of fiber digestion (as measured by UNDF 240) by 5-10%, and raises crude protein of the forage by 3-5%** when compared to other conventional varieties\*. The net impact is higher testing, higher value hay which can mean 2.5 or more pounds of milk per cow per day when fed versus other conventional varieties.

## Management flexibility

Alfalfa varieties with Hi-Gest will easily fit into your alfalfa management system. The varieties have the flexibility to adjust to aggressive harvest systems to maximize yield and quality or to more relaxed schedules focused on tonnage. Either way, growers put the odds of improved returns per acre and animal performance in their favor.

## Ask your Alforex Seeds Dealer

They can tell you who's growing Hi-Gest alfalfa in your area and share their experiences with you. You may be surprised who has already made the move!



## Hi-Gest® Products

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Hi-Gest 360 ----- page 10

## PERFORMANCE

“As a 4th and 5th generation dairy and grain farm, we take pride in the excellent care that our animals receive, as we work hard every day to give them the highest quality feed, bedding, milking and TLC.

Our Hi-Gest® alfalfa yields leafy, highly digestible alfalfa that fills our bunks and in turn, our milk tank. The high leaf-to-stem ratio results in higher crude protein and reduces the expense of supplementing with other protein sources.”

*Ben, Dan, Jeremy, Daniel  
Verratti Farms  
Gasport, NY*



- ✓ **Maximize productive harvests and total seasonal yield**
- ✓ **Maximize milk/meat per ton and per acre**
- ✓ **Maximize heat units and conserve soil moisture for crop growth**

### Hi-Ton® Performance Alfalfa

There are four Alforex alfalfa varieties that have earned the Hi-Ton® designation. These varieties are AFX 429, AFX 439, AFX 469 and AFX 579. Each has exceeded the yield of peer experimentals, and commercial alfalfa varieties by 5% in Alforex Seeds replicated testing, the minimum threshold for Hi-Ton® alfalfa. Alforex alfalfa varieties carrying the Hi-Ton® designation are the first choice for the aggressive manager pushing their alfalfa acres to maximize seasonal dry matter yield.

When alfalfa fields are green and growing, chances are they are generating extra yield. The faster recovery after harvest **speeds green-up by 3 to 5 days**, shortening the days to harvest maturity and the next cutting. This faster growth starts with the first crop and gives a head start to each season and the number of cuts taken before the fall cutoff. Along the way, more of the season's total yield is harvested at mid-summer when heat units are at their peak and weather can be more cooperative.

To carry the FastGrowth rating, Hi-Ton varieties must average at least 1.98 cm of growth per day starting with spring green-up. Most commercial varieties range from 1.5 to 1.8 cm per day, which gives FastGrowth varieties a performance advantage in the field.

### Alfalfa Recommended Seeding Rates

Product	Bag Size	Seeding Method and Pounds Per Acre				
		Drilled Pure Stands	Broadcast Pure Stands	Interseeding	Over/Frost Seeding	Alfalfa/Grass Mixture
Alforex Alfalfa	50	18-25	20-28	not recommended	not recommended	15-20





## Hi-Ton® Products

AFX 579	-----	page 11
AFX 469	-----	page 11
AFX 439	-----	page 11
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# HIGH YIELD

“Our custom harvester says he can chop with ease on his other client’s fields at any speed, but he has to slow down on our AFX 469 fields or his machine will overload. We harvested 80 acres of AFX 469 Hi-Ton® alfalfa and filled a 12'x250' and a 12'x20' bag on first crop!”

Jeff & Jerry Croes  
Deer Park, WI





HarvXtra® Alfalfa with Roundup Ready® Technology can increase your cutting flexibility giving you higher

quality or increased yield potential. Conventional alfalfa breeding doesn't compete with those valuable xtras.

#### XTRA QUALITY

HarvXtra Alfalfa delivers a higher RFQ and NDFd than conventional varieties cut on the same day. On average, 14-18 percent higher forage quality (RFQ) and NDFd across cuttings than conventional varieties harvest at the same stage of maturity.<sup>1</sup>

#### XTRA YIELD POTENTIAL

If your operation needs more tonnage, you have the flexibility to achieve up to a 20% higher yield at harvest<sup>2</sup> by extending your cutting window up to 10 days.

#### XTRA CLEAN FIELDS

Roundup Ready® Technology delivers unsurpassed weed control and crop safety.

#### XTRA TIME

HarvXtra Alfalfa with Roundup Ready Technology puts you back in charge of your cutting schedule.



Roundup Ready® Alfalfa system provides the opportunity to deliver unsurpassed weed control with superior crop safety, allowing you to grow more, higher-quality alfalfa.

#### Better Stand During Establishment Means Better Stand Persistence

Roundup Ready Alfalfa offers significant establishment advantage in both yield potential and quality. This is a result of improved weed control and crop safety through Roundup Ready PLUS® Crop Management Solutions.

#### Broadest Application Flexibility

With the broadest application timing window plus excellent crop safety, Roundup Ready Alfalfa requires minimal waiting — only 5 days before grazing or harvest.

#### Increased, High-Quality Yield Opportunity

Roundup Ready Alfalfa can deliver a higher percentage of pure alfalfa in hay and haylage than competitors, along with improved quality. Roundup Ready Alfalfa has low ADF (acid detergent fiber), low NDF (neutral detergent fiber) and high RFV (relative feed value).

HarvXtra® is a registered trademark of Forage Genetics International, LLC. HarvXtra® alfalfa with Roundup Ready® technology is enabled with Technology from Nobel Research Foundation Institute, LLC. Roundup Ready® is a registered trademark of the Bayer Group, used under license.

Do not export alfalfa seed or crops containing Roundup Ready® technology including hay or hay products, to China pending import approval. In addition, due to the unique cropping practices, do not plant this product in Imperial County, California. Purchase and use of HarvXtra® alfalfa with Roundup Ready® technology is subject to a Seed and Feed Use Agreement.

Always read and follow pesticide label directions. Alfalfa with Roundup Ready® technology provides crop safety for over-the-top applications of labeled glyphosate herbicides when applied according to label directions. Glyphosate agricultural herbicides will kill crops that are not tolerant to glyphosate. ACCIDENTAL APPLICATION OF INCOMPATIBLE HERBICIDES TO THIS VARIETY COULD RESULT IN TOTAL CROP LOSS.

**“I am really happy with AFX 463RR Roundup Ready® alfalfa. It has fast recovery that covers the ground to hold moisture when dry weather persist. I get good yield and production, very healthy plants. It tests very well.”**

*Gary Johnson  
Johnson Farms  
Spring Green, WI*

## TRAITED

### Roundup Ready® Products

AFX 463 RR ----- page 12

### HarvXtra® Products

AFX 455 HVX----- page 12





## AFX 460

A patent pending variety

### Performance

- A high yield potential variety with Hi-Gest® Alfalfa Technology for geographies using fall dormancy 4-5 varieties
- A product of forward breeding for improved yield and forage quality
- Features improved fiber digestibility and better animal performance when compared to other conventionally bred varieties. Variety patent pending

### Management

- Responds to today's recommended best management practices
- Adapted to aggressive high quality production systems or more relaxed high yield practices
- No known soil type limitations

### Appearance at Harvest Maturity

- Plants are medium-tall with a dense canopy of dark green leaves up and down the stems
- A strong foliar leaf disease package contributes to a high leaf-to-stem ratio and higher crude protein

### Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 4
Winter hardiness class:	WS 1.5
Multifoliate leaf expression:	93%/High MF
FastGrowth rating:	2.03cm per day/Fast

### Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthraxnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid		●			
Cowpea aphid			●		
Pea aphid		●			
Spotted alfalfa aphid		●			

### Nematode Resistance

Northern root knot		●			
Stem nematode		●			



## Hi-Gest® 360

A patent pending variety

### Performance

- A high yield potential variety with Hi-Gest® Alfalfa Technology with improved fiber digestibility, intake and extent of digestion versus other conventional alfalfas
- A product of traditional plant breeding with a variety patent pending
- A variety that has been meeting grower and livestock producers expectations since the 2015 growing season

### Management

- Adapted to today's best alfalfa management practices
- Adapted to aggressive high quality production systems or more relaxed high yield practices
- Rations using Hi-Gest can be easily balanced by nutritionists with the results of an accurate feed test

### Appearance at Harvest Maturity

- Plants are medium-tall, with a higher stem count, axillary branching, and a dense canopy of leaves up and down each stem
- A high leaf-to-stem ratio and more crude protein than other conventionally bred, high quality, dormant alfalfa varieties at harvest maturity

### Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 3
Winter hardiness class:	WS 1.5
Multifoliate leaf expression:	73%/Moderate MF
FastGrowth rating:	1.83cm per day/Average

### Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthraxnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2	●				
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid		●			
Cowpea aphid		●			
Pea aphid			●		
Spotted alfalfa aphid	●				

### Nematode Resistance

Northern root knot		●			
Stem nematode		●			



“We feed a higher haylage ration now, and the Hi-Gest® has a finer stem and is a finer stem and is very leafy. We get fast recovery, and it yields really well. Our cows consistently are top producers since we switched to Hi-Gest. It chops nice and we have no insect or disease pressure.”

Loren Sellner  
Sleepy Eye, MN





# AFX 579

## Performance

- For growers who aggressively manage and harvest their alfalfa acres to maximize dry matter yield per acre
- FastGrowth ability shaves 3 to 5 days off the time between harvests to maximize seasonal yield
- Carries a strong, multiple-pest package to protect fast-growing plants and aggressively managed acres

## Management

- Fast-growing variety for production areas that use fall dormancy 4 and 5 alfalfas, and when four or more cuts are expected each season
- Very early harvest maturity; reaches late bud or early flower 3 to 5 days ahead of most dormant alfalfas
- Very fast green-up after harvest and accelerated growth to harvest maturity

## Appearance at Harvest Maturity

- Tall and showy, with large dark green leaves

## Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 5
Winter hardiness class:	WS 2.5
Multifoliate leaf expression:	49%/Low MF
FastGrowth rating:	2.26cm per day/Very Fast
Salinity tolerance:	
Germination:	Tolerant

## Pest Package

	HR	R	MR	LR	S
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### Diseases

Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid		●			
Cowpea aphid		●			
Pea aphid		●			
Spotted alfalfa aphid		●			

### Nematode Resistance

Northern root knot		●			
Stem nematode	●				



# AFX 469

## Performance

- For growers who aggressively manage their established alfalfa acres
- A 11% yield advantage versus PGI 557
- FastGrowth ability shaves 3 to 5 days off the time between harvests to maximize seasonal yield
- A strong 1.5 winter survival rating

## Management

- Fast-growing variety for production areas that use fall dormancy 4 and 5 alfalfas, and when four or more cuts are expected each season
- Average seedling year yield performance when spring direct seeded
- Very early harvest maturity; reaches late bud or early flower 3 to 5 days ahead of most dormant alfalfas
- Very fast green-up after harvest and accelerated growth to harvest maturity

## Appearance at Harvest Maturity

- Tall and showy, with large dark green leaves

## Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 4
Winter hardiness class:	WS 1.5
Multifoliate leaf expression:	47%/Low MF
FastGrowth rating:	2.11cm per day/Fast
Salinity tolerance:	
Germination:	Tolerant

## Pest Package

	HR	R	MR	LR	S
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### Diseases

Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2			●		
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid		●			
Cowpea aphid			●		
Pea aphid			●		
Spotted alfalfa aphid		●			

### Nematode Resistance

Northern root knot		●			
Stem nematode	●				



# AFX 439

## Performance

- A widely adapted variety that will maximize yield and quality under aggressive management systems
- Strong disease and pest package including stem nematodes for western growers
- High performing variety with excellent yield performance when longer rotations are desired

## Management

- Adapted to production zones all across the U.S. where fall dormancy 3, 4 or 5 varieties are normally recommended
- Provides high quality forage when aggressively managed for dairy feed
- A Hi-Ton® variety with a fast green-up rate after harvest
- Expected to perform very well in mixtures with cool season grasses or other legumes

## Appearance at Harvest Maturity

- Plants at bud stage will be medium-tall and feature a uniform canopy of large, medium-green leaves

## Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 4
Winter hardiness class:	WS 1.5
Multifoliate leaf expression:	68% MF
FastGrowth rating:	2.01cm per day/Fast

## Pest Package

	HR	R	MR	LR	S
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### Diseases

Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid		●			
Cowpea aphid	●				
Pea aphid		●			
Spotted alfalfa aphid	●				

### Nematode Resistance

Stem nematode		●			
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# AFX 429

## Performance

- A widely adapted variety that maximizes yield and quality under aggressive or relaxed harvest management systems
- Strong multiple pest package including stem nematodes for western growers
- Features stable yield performance into the later harvest years when longer rotations are desired

## Management

- Adapted to U.S. production zones where fall dormancy 3, 4 or 5 varieties are normally recommended
- A milk per acre winner when aggressively managed for dairy hay
- A Hi-Ton yield variety with an average green-up rate after harvest
- Expected to perform very well in mixtures with cool season grasses or other legumes

## Appearance at Harvest Maturity

- Plants at bud stage will be medium-tall and feature a uniform canopy of large, medium-green leaves

## Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 4
Winter hardiness class:	WS 2
Multifoliate leaf expression:	56%/Low MF
FastGrowth rating:	1.98cm per day/Average

## Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthraxnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				
<b>Insects</b>					
Blue alfalfa aphid		●			
Cowpea aphid		●			
Pea aphid		●			
Spotted alfalfa aphid		●			
<b>Nematode Resistance</b>					
Northern root knot		●			
Stem nematode		●			



# AFX 463RR

## Performance

- AFX 463-RR is an alfalfa with the Roundup Ready® technology for use in multiple growing regions including areas prone to stem nematode pressure
- 33 of 35 disease resistance package and is very winterhardy
- Very good standability and high yield potential in multiple growing environments

## Management

- Early season weed control with glyphosate herbicides helps improve establishment success and first year yield potential compared to conventional varieties

## Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 4
Winter hardiness class:	WS 2
Multifoliate leaf expression:	Low MF
FastGrowth rating:	Average
Relative feed quality rating:	3

## Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthraxnose	●				
Aphanomyces-Race 1		●			
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				
<b>Insects</b>					
Pea aphid		●			
<b>Nematode Resistance</b>					
Stem nematode	●				



# AFX 455HVX

## Performance

- AFX 455-HVX is an alfalfa with the HarvXtra® trait and Roundup Ready® technology used to produce high quality alfalfa forage
- Strong disease resistance package and is very winterhardy
- High yield potential in multiple growing environments

## Management

- Early season weed control with glyphosate herbicides helps improve establishment success and first year yield potential compared to conventional varieties
- Choice of delaying cutting by 7-10 days or cutting for highest RFQ

## Agronomics

Yield rating:	5 or Best
Fall dormancy class:	FD 4
Winter hardiness class:	WS 2
Multifoliate leaf expression:	Moderate MF
FastGrowth rating:	Average
Relative feed quality rating:	5 or Best

## Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthraxnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2			●		
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot		●			
Verticillium wilt	●				
<b>Insects</b>					
Pea aphid		●			
Spotted alfalfa aphid		●			
<b>Nematode Resistance</b>					
Stem nematode		●			



# X-Force Alfalfa

X-Force is a new generation of varieties that utilize several technologies to achieve a new level of performance. Hybrid technology, heterosis among extremely diverse germplasm pools, an extensive progeny testing yield trial program, and a drone imagery program have all contributed to a new exciting level of genetic gain. This combination of technologies allows traits to be combined as never before and provides yield resiliency and stability across environments and weather extremes like never before.



X-Force

NEW



X-Force  
5400

- A race horse variety with exceptional yield
- Very good forage quality when managed aggressively.
- Excellent 35/35 disease package allowing it to perform exceptionally well over a wide range of environments.
- Superior winter survival
- Has High Resistance to Aphanomyces Race 2

## Agronomics

Yield rating:	5 or Best
Fall dormancy class	FD 4
Winter hardiness class	1.8
FastGrowth rating	1.82

## Pest Package

	HR	R	MR	LR	S
Diseases					
Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2	●				
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				
Insects					
Pea aphid		●			
Nematode Resistance					
Stem nematode			●		



## HybriForce Alfalfa

HybriForce alfalfa varieties, unique to DLF, are alfalfa hybrids that are developed similarly to corn where the first generation cross between two unique parents are put in the bag on the farm providing that extra level of performance. Cytoplasmic male sterility is used in female parent seed and hybrid commercial production to control pollination and ensure the first generation cross ends up in the bag at a level greater than 75%.

The first generation hybrid was released in 2001. We are now into the 4th generation hybrid. Before we release a new generation hybrid we must have at least a 5% yield increase over the previous generation hybrid!

Here are some key attributes of hybrid alfalfa:

- Excellent combination of forage yield and forage quality
- Hybrids establish extremely well
- The added seedling vigor of hybrids provide uniform stands that leave little room for weeds to get established.
- Hybrid has excellent leaf retention in addition to yield
- If cutting is delayed, hybrids tend to keep growing and forage quality declines less
- Fine stems of hybrids dry down better than large stemmed varieties.
- Hybrids tend to maintain their quality better than non-hybrids throughout the season

HybriForce  
GEN-4 HYBRID ALFALFA



HybriForce-  
4400

- Our highest-yield potential tap-root hybrid alfalfa
- Gen-4 hybrid alfalfa using msSunstra® Hybrid Alfalfa Technology
- 6.9% yield advantage\* against competitors in 502 head-to-head, side-by-side comparisons
- 5% higher yielding\*\* than HybriForce-3400 in over 5 years of research testing
- Outstanding yield potential in the establishment year
- Racehorse-style of hybrid alfalfa with excellent disease protection
- Broadly adaptive alfalfa that excels in a wide range of environments
- Tall, dense, leafy hybrid alfalfa with fine stems
- Resistance to Aphanomyces race

### Agronomics

Forage rating:	5
Fall dormancy class	FD 4
Winter hardiness class	WS 2
Forage quality	4
Early seedling growth	5
Recovery rate	5

### Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid	●				
Cowpea aphid	●				
Pea aphid		●			
Spotted alfalfa aphid		●			

### Nematode Resistance

Northern root-rot			●		
Southern root-rot					
Stem nematode	●				

HybriForce  
GEN-4 HYBRID ALFALFA



HybriForce-  
4420/Wet

- Latest release that raises the yield potential for wet soils
- Gen-4 hybrid alfalfa using msSunstra® Hybrid Alfalfa Technology
- Our best branch-root alfalfa for tough establishment
- Excellent 35/35 disease resistance rating
- Outstanding yield potential in the seeding year
- Tall, dense, leafy hybrid alfalfa with fine stems
- Highly resistant to Aphanomyces root rot race 1 & 2
- Exhibits unique ability to modify root structure to match conditions

### Agronomics

Forage rating:	5
Fall dormancy class	FD 4
Winter hardiness class	NA
Forage quality	4
Early seedling growth	5
Recovery rate	5

### Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2	●				
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

### Insects

Blue alfalfa aphid					
Cowpea aphid					
Pea aphid					
Spotted alfalfa aphid					

### Nematode Resistance

Northern root-rot					
Southern root-rot					
Stem nematode		●			

**Yield Ratings:** Based on performance between Alforex Seeds varieties  
5 = Best  
3 = Average  
1 = Poor

MAGNUM



## MAGNUM 8

- Continues the Magnum tradition of establishment vigor, high yield potential, forage quality and persistence
- Tall, showy, eye-catching variety with a dense canopy of dark green leaves
- Average green-up rate following harvest
- Strong aphid resistance and disease package including Aphanomyces

## Agronomics

Forage rating:	4
Fall dormancy class	FD 4
Winter hardiness class	2.2
Forage quality	4
Early seedling growth	5
Recovery rate	4

## Pest Package

	HR	R	MR	LR	S
Diseases					

Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

## Insects

Blue alfalfa aphid		●			
Cowpea aphid				●	
Pea aphid			●		
Spotted alfalfa aphid		●			

## Nematode Resistance

Northern root-rot		●			
Southern root-rot					
Stem nematode		●			

MAGNUM



## MAGNUM 8/Wet

- Latest release of branch-rooted non-hybrid genetics
- Strong multi-race Aphanomyces resistance package
- Grows very aggressively in the seeding year with great yields
- Excellent yield potential and stand persistence
- Very good establishment in challenging wet conditions
- Outstanding disease resistance rating of 35/35

## Agronomics

Forage rating:	4
Fall dormancy class	FD 4
Winter hardiness class	2.5
Forage quality	4
Early seedling growth	5
Recovery rate	4

## Pest Package

	HR	R	MR	LR	S
Diseases					

Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2	●				
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

## Insects

Blue alfalfa aphid		●			
Cowpea aphid		●			
Pea aphid			●		
Spotted alfalfa aphid		●			

## Nematode Resistance

Northern root-rot	NA				
Southern root-rot	NA				
Stem nematode		●			

MAGNUM



## MAGNUM 7

- A favorite of western commercial hay growers and northeast dairymen
- Great forage quality potential
- Proven management flexibility
- Consistent performance
- Resistance to nematodes

## Agronomics

Forage rating:	4
Fall dormancy class	FD 4
Winter hardiness class	1.6
Forage quality	5
Early seedling growth	4
Recovery rate	4

## Pest Package

	HR	R	MR	LR	S
Diseases					

Anthracnose	●				
Aphanomyces-Race 1	●				
Aphanomyces-Race 2		●			
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				

## Insects

Blue alfalfa aphid		●			
Cowpea aphid		●			
Pea aphid		●			
Spotted alfalfa aphid		●			

## Nematode Resistance

Northern root-rot	●				
Southern root-rot		●			
Stem nematode	●				

\*In 2017-2020 HybriForce-4400™ was grown in 502 on-farm HAY (Hybrid Alfalfa Yield) plot comparisons across ND, SD, MN, IA, WI, IL, IN and MI with a yield advantage of 6.9% across all cuts at all locations against competitive alfalfas. Hybrid responses are variable and subject to any number of environmental, disease and pest pressures.

\*\*In over 5 years of research testing, our combined data from internal and 3rd party trials show HybriForce-4400™ with more than a 5% yield advantage when compared to HybriForce-3400.™



HybriForce alfalfas are products of DLF exclusive patented msSunstra® Hybrid Alfalfa Technology.





## AFX 324LH BRAND

### Performance

- Features genetic resistance to potato leafhopper injury to improve harvestable yield and forage quality

### Management

- Adapted to production acres that annually expect potato leafhopper injury and where chemical control isn't practiced
- Best adapted to three-cut or four-cut harvest or rotational grazing systems
- Performs well in mixtures with cool-season grasses or other legumes

### Appearance at Harvest Maturity

- Medium plant height, leafy canopy and medium-green leaves

### Agronomics

Yield rating:	2
Fall dormancy class:	FD 3
Winter hardiness class:	WS 2
Multifoliate leaf expression:	Moderate MF

### Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthracnose	●				
Aphanomyces-Race 1	●				
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Verticillium wilt	●				
<b>Insects</b>					
Potato leafhopper	●				
Blue alfalfa aphid	●				
Pea aphid		●			
Spotted alfalfa aphid	●				

**Yield Ratings:** Based on performance between Alforex Seeds varieties

5 = Best  
3 = Average  
1 = Poor



## Durastan Brand Alfalfa

- Blend of proprietary alfalfa varieties for fields or situations when "the best" isn't necessary but value is
- Adapted to production geographies where fall dormancy 3 to 5 varieties are recommended
- Appearance will vary depending upon the proprietary components selected

### Agronomics

Yield rating:	2
Fall dormancy class:	FD 4
Winter hardiness class:	WS 2
Multifoliate leaf expression:	Moderate MF

### Pest Package

	HR	R	MR	LR	S
<b>Diseases</b>					
Anthracnose		●			
Aphanomyces-Race 1		●			
Bacterial wilt	●				
Fusarium wilt		●			
Phytophthora root rot	●				
Verticillium wilt	●				
<b>Insects</b>					
Pea aphid		●			

## Greater Value. Good Move.

**Forage First®** forage grasses, legumes and mixes offer high yield potential, optimum nutritional values, improved disease resistance and increased stand persistence. Our versatile portfolio offers a variety of proven products to fit any need, created with flexibility and ease of management in mind.

**For additional forage options and products visit [foragefirst.com](http://foragefirst.com).**



## Midwest/East Region



**Doug Bastian**  
Alforex Business Manager  
Phone: (651) 408-5402  
[doug.bastian@dlf.com](mailto:doug.bastian@dlf.com)

### Pest Resistance Ratings

% Resistant Plants	Resistance Class	Class Abbreviation
0-5%	Susceptible	S
6-14%	Low Resistance	LR
15-30%	Moderate Resistance	MR
31-50%	Resistant	R
>50%	High Resistance	HR

**Agronomic Ratings** are based on average performance between Alforex varieties. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.

StandFast FastGrowth ratings are calculated by Alforex Seeds from weekly measurement of varieties grown side-by-side from green-up to harvest through the growing season. Expressed as average centimeters growth per day.

>2.20 = Very Fast  
>2.00 = Fast  
>1.80 = Average  
>1.60 = Slow  
<1.60 = Very Slow

\*\* Improved Hi-Gest® alfalfa leafiness, as documented by Alforex Seeds replicated trials at West Salem, WI and Woodland, CA, versus the following commercial alfalfa varieties; America's Alfalfa Brand Ameristand 427TQ, Cropland Brands Legendairy XHD and Artesia Sunrise, Fertilzona Brand Fertilac, S&W Brands SW6330, SW7410 and SW10, and WL Brands WL 319HQ and WL 354HQ.

## PERFORMANCE

“We work hard...  
and so does our  
Hi-Gest® alfalfa.  
Hi-Gest® alfalfa  
yields! We pack our  
bunks with leafy,  
highly digestible  
haylage that tests  
high in crude protein.  
Feeding Hi-Gest®  
alfalfa helps our  
dairy cows achieve  
their genetic  
potential.”

*Peter Braun  
Woodcrest Dairy  
Lisbon, NY*



**Hi-Gest®**  
**ALFALFA**  
**TECHNOLOGY**



Visit us at [alforexseeds.com](http://alforexseeds.com) or call us at 1-877-560-5181

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Seeds  
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