

NEW



5400 ALFALFA



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Agronomics

Yield Rating:	5 or Best
Fall Dormancy Class:	FD 4
Winter Hardiness Class:	1.8
FastGrowth Rating:	1.82
Total DRI	35/35

Pest Package

	HR	R	MR	LR	S
Diseases					
Anthraxnose	●				
Bacterial Wilt	●				
Fusarium Wilt	●				
Phytophthora Root Rot	●				
Verticillium Wilt	●				
Insects					
Pea Aphid		●			
Nematode Resistance					
Stem Nematode			●		

Performance

- 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

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.

Head to Head Comparison Yield in DM Tons per Acre

Competitor	Competitor	X-Force 5400	Harvest Years ¹	% Yield Advantage
SalinityMax	3.32	3.96	2	19%
Swift	5.50	6.33	3	15%
WL 336HQ RR	4.56	5.24	12	15%
L-504HD	4.53	5.19	11	15%
Ameristand 428TQ	4.57	5.21	1	14%
HarvaTron HVX	4.10	4.66	3	14%
Legendairy XHD	4.65	5.22	26	12%
HybriForce 4400	4.98	5.42	36	9%
WL 372HQ RR	4.90	5.24	12	7%
L-455HD	4.89	5.21	14	6%
HybriForce 4420/Wet	4.66	4.88	5	5%
DKA50-17	13.36	13.63	1	2%

¹ Harvest Years = the number of years in either Public and/or Private trials where the two varieties have been in the same trial and are on harvest schedule for the yield comparisons to be listed.

Yield Rating Key: 5 = Best; 3 = Average; 1 = Poor

Agronomic Ratings are based on average performance between Alforex varieties. Actual performance may be adversely affected by extreme conditions. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.

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

* The increased rate of fiber digestion, extent of digestion, and crude protein data was developed from replicated research and on-farm testing. During the 2015 growing season at West Salem, WI and Woodland, CA, the following commercial dormant, semi-dormant and non-dormant alfalfa varieties were compared head-to-head with Hi-Gest® alfalfa for rate of digestion, extent of digestion and percent crude protein: America's Alfalfa Brand AmeriStand 427TQ, Croplan Brands Legendairy XHD and Artesia Sunrise, Fertizona Brand Fertiac, S&W Seed Brands SW6330, SW7410 and SW10 and W-L Brands WL 319HQ and WL 354HQ. Also during the 2015 growing season, 32 on-farm Hi-Gest hay and silage samples were submitted to Rock River Laboratory, Inc., for forage analysis. The results for rate of digestion, extent of digestion and percent crude protein were averaged and compared to the 60-day and four-year running averages for alfalfa in the Rock River database which included approximately 1,700 alfalfa hay and 3,800 silage 60-day test results and 23,000 hay and 62,000 silage tests results in the four-year average.

** 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, Croplan Brands Legendairy XHD and Artesia Sunrise, Fertizona Brand Fertiac, S&W Brands SW6330, SW7410 and SW10 and W-L Brands WL 319HQ and WL 354HQ.

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