

**NEW**

# AFX 589 ALFALFA



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## Agronomics

|                                 |                           |
|---------------------------------|---------------------------|
| Yield Rating:                   | 5 or Best                 |
| Fall Dormancy Class:            | FD 5                      |
| Winter Hardiness Class:         | WS 1.5                    |
| Multifoliolate Leaf Expression: | 49%<br>Low MF             |
| FastGrowth Rating:              | 2.19cm<br>Per Day/Average |
| Total DRI:                      | 34/35                     |

## Pest Package

|                            | HR | R | MR | LR | S |
|----------------------------|----|---|----|----|---|
| <b>Diseases</b>            |    |   |    |    |   |
| Anthracoese                | ●  |   |    |    |   |
| 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              |    | ● |    |    |   |

## Performance

- For growers who aggressively manage and harvest their alfalfa acres to maximize seasonal dry matter yield and quality
- Show a 5% yield advantage over AFX 579
- 34/35 disease and pest package with a solid winterhardiness score for stand persistence

## 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 fast green-up after harvest and accelerated growth to harvest maturity
- Adapted to regions that harvest 4 or more cuttings per year

## Appearance at Harvest Maturity

- Tall and show plant with dark green leaves

## Head to Head Comparison Yield in DM Tons per Acre

| Product         | Fall Dormancy | Cuts | Reps | AFX 589 Yield Advantage |
|-----------------|---------------|------|------|-------------------------|
| Megatron HVX.RR | 4             | 97   | 48   | 13%                     |
| 6439HVX.RR      | 4             | 24   | 21   | 12%                     |
| WL 3471HVX.RR   | 4             | 74   | 42   | 8%                      |
| WL 375HVX.RR    | 5             | 48   | 12   | 8%                      |
| 6453Q           | 4             | 5    | 4    | 7%                      |
| LegenDairy AA   | 3             | 54   | 24   | 3%                      |
| AFX 579         | 5             | 71   | 21   | 2%                      |
| WL 349HQ        | 4             | 103  | 52   | 1%                      |

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                 |