



MUSTANG 425HD ALFALFA

Mustang 425HD is a high-forage yielding, high-forage quality HD® alfalfa variety. Mustang 425HD is protected by a broad spectrum of pest resistance package.

FEATURES:

- Exceptionally high-forage yield potential
- Outstanding forage quality attributes
- Solid disease resistance package

2017 FORAGE QUALITY, EVANSVILLE, WI

Seeded April 2016

VARIETY	MILK/TON	VARIETY	MILK/TON
Mustang 425HD	20,093	Hi-Gest® 360	17,759
55Q27	18,506	WL 356HQ	17,465
Hybriforce 3400	17,950	HarvXtra®	16,829
Rebound 6XT	17,821	20 varieties in trial; all competitors' varieties listed	

KEY AGRONOMIC CHARACTERISTICS

BACTERIAL WILT	HR
FUSARIUM WILT	HR
VERTICILLIUM WILT	HR
ANTHRACNOSE RACE 1	HR
PHYTOPHTHORA ROOT ROT	HR
APHANOMYCES ROOT ROT RACE 1	HR
APHANOMYCES ROOT ROT RACE 2	HR
DRI	35/35
FALL DORMANCY	4.5
WSI RATING	1.9
RECOVERY AFTER CUTTING	Fast
ROOT	Branch/Sunken
MULTI-LEAF	25%
FORAGE YIELD POTENTIAL	Excellent
FORAGE QUALITY	Excellent

MUSTANG 625APH2 ALFALFA

Mustang 625APH2 is a high-forage yielding, good forage quality, sunken crown alfalfa with branch root tendencies, which allows it to be more productive in well and poorly drained soils. It was selected for resistance to multiple races of Aphanomyces root rot.

FEATURES:

- Very high-forage yield potential
- Resistance to Aphanomyces Race 1, 2 and isolates of Race 3
- Branch root trait
- Solid disease resistance package

2017 FORAGE QUALITY, EVANSVILLE, WI

Seeded April 2016 - 4 Replications

VARIETY	FY	Mean	7.47
Mustang 625APH2	7.89	LSD (0.05)	0.40
Rebound 6XT	7.66	CV%	3.76
Hi-Gest® 360	7.24		
WL 365HQ	7.29		
HybriForce® 3420/Wet	7.30		
HarvXtra®	6.70		

Hi-Gest® is a Registered Trademark of Dow Agrosciences, LLC. HybriForce® is a Registered Trademark of Dow Agrosciences, LLC.

KEY AGRONOMIC CHARACTERISTICS

BACTERIAL WILT	HR
FUSARIUM WILT	HR
VERTICILLIUM WILT	HR
ANTHRACNOSE	HR
PHYTOPHTHORA ROOT ROT	HR
APHANOMYCES ROOT ROT RACE 1	HR
APHANOMYCES ROOT ROT RACE 2	HR
APHANOMYCES ROOT ROT RACE 3	R
DRI	35/35
FALL DORMANCY	4.5
WSI RATING	1.9
RECOVERY AFTER HARVEST	Fast
CROWN PLACEMENT	Sunken
ROOT TYPE	Branch/Tap
MULTI-FOLIATE	Very Low
COLOR	Dark Green
LEAF SIZE	Narrow
STEM SIZE	Very Fine
FORAGE YIELD	Excellent
FORAGE QUALITY	Very Good

MUSTANG 620APH2 ALFALFA

620APH2 is a selection taken from our well established StandLife Genetics™ Aphanomyces Evaluation Program. This product is very resistant to the numerous races of Aphanomyces we are encountering in a variety of areas within the Midwest. Yield and disease resistance are excellent (DRI score 30/30). 620APH2 is a super competitive variety that will work in our toughest field environments, as well as normal disease environments. Key placement is on all soil types throughout the Midwest. This product is very winter hardy and will work into a 3-5 cut system very well.

KEY AGRONOMIC CHARACTERISTICS

FALL DORMANCY	4.0
WINTER HARDINESS INDEX	2.0
ANTHRACNOSE	HR
APHANOMYCES RACE 1	HR
BACTERIAL WILT	HR
FUSARIUM WILT	HR
PHYTOPHTHORA ROOT ROT	HR
VERTICILLIUM WILT	HR

L-450RR ALFALFA

L-450RR is a high-forage yielding, excellent quality, Roundup Ready® alfalfa. It expresses a later dormancy to extend the production season. L-450RR is productive on a wide range of soil types. The Roundup Ready technology provides a wide range of weed control options to deliver weed free forage.

FEATURES

- Roundup Ready® technology
- Exceptionally high-forage yield and quality potential
- Forage Superbowl finalist in Haylage Division



KEY AGRONOMIC CHARACTERISTICS

STEM NEMATODE	R
DRI	30 of 30
FALL DORMANCY	4.7
WSI RATING	1.4
RECOVERY AFTER CUTTING	Very Fast
PEA APHID	HR
SPOTTED ALFALFA APHID	MR
FORAGE YIELD POTENTIAL	Excellent
CUTTING SCHEDULE	3-6 Cuts
FORAGE YIELD POTENTIAL	Excellent
FORAGE QUALITY	Excellent



ALFALFA





GA306SS ALFALFA SALT TOLERANT VARIETY

MANAGEMENT PROFILE

- Top yield performance in Idaho trials, out-yielding varieties like: WL 325 HQ, WL 322 HQ, Hybrid-Force™ 400, PIO 54V54, PIO 5312, Magna V, Renegade and Tango
- Parent stock was specially selected to meet the demands of alfalfa growers in areas where fall dormancy 4 is suitable
- Selected for yield and persistence; its persistence is excellent under both normal and aggressive harvest schedules
- Especially well-suited to areas where nematodes threaten yield production and reduce stand life
- Offers producers broad-spectrum pest resistance and excellent persistence; this high-yielding variety will keep producing quality hay for many years
- New data has shown excellent salt tolerance
- Dark green foliage and medium-fine stems make it ideal for hay

BROAD SPECTRUM PEST RESISTANCE

- GA306SS offers producers broad-spectrum pest resistance and excellent persistence
- Resists Phytophthora and Verticillium Wilt, which can significantly reduce production and stand life
- Resistance to Fusarium Wilt, Anthracnose and moderate resistance to all major aphids

KEY AGRONOMIC CHARACTERISTICS

FALL DORMANCY	4.0
WINTER HARDINESS INDEX	2.1
WISCONSIN DISEASE RATING INDEX	28 of 30
ANTHRACNOSE	HR
APHANOMYCES RACE 1	MR
BACTERIAL WILT	HR
FUSARIUM WILT	HR
PHYTOPHTHORA ROOT ROT	HR
VERTICILLIUM WILT	HR
PEA APHID	MR
SPOTTED ALFALFA APHID	MR
BLUE ALFALFA APHID	MR
NORTHERN ROOT KNOT NEMATODE	HR
COLUMBIA ROOT KNOT NEMATODE	HR
STEM NEMATODE	R
SOIL CONDITION	T

MUSTANG 995 ALFALFA

A special blend of alfalfa for upper Midwest with carefully selected viable pure seeds with high germination. Mustang 995 has the ability to produce a lush stand quickly and produce for many years. Excellent production on good years and also will perform well on marginal ground and with limited rain fall. Seed is pre-inoculated – Apron® treated available.

VERNAL ALFALFA

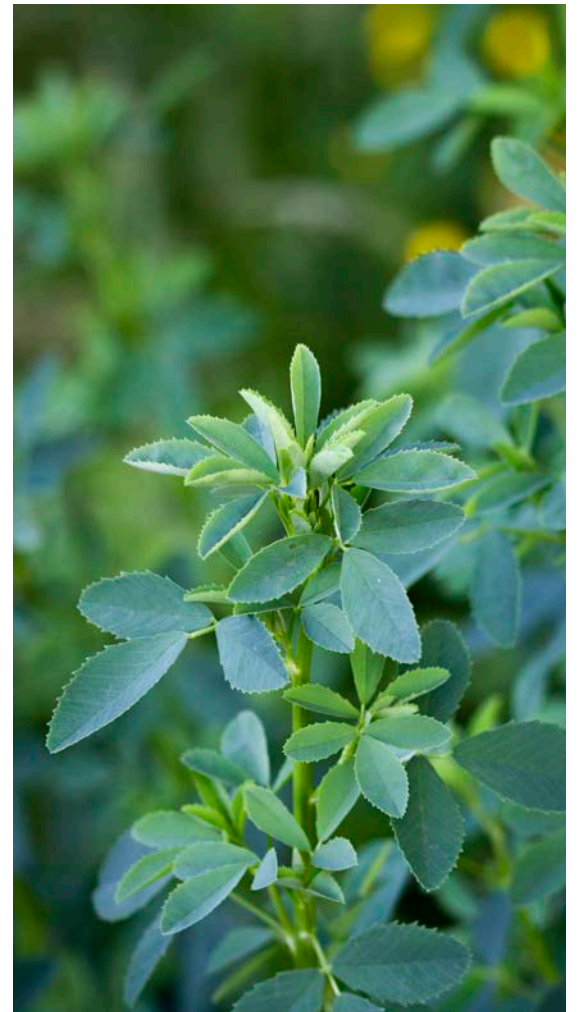
Vernal is a winter hardy alfalfa variety released by Wisconsin. It is wilt resistant and produces fine stemmed, leafy quality hay.

TRAVOIS ALFALFA

Travois has a low (decumbent) growth, aggressive root proliferation, winter hardiness, predominantly yellow variegated flowers and a large percentage of pickle shaped seed pods. Its winter hardiness is superior to most alfalfa varieties tested throughout our region. Plants of Travois have the ability to produce stem buds on laterally spreading roots. Shoots from the stem buds emerge at the soil surface and develop into young plants at distances that sometimes exceed 36 inches from the mother plant. This characteristic permits a close association between grass and legume, reduces trampling injury, thickens stand and decreases winter loss from soil heaving.

COMMON ALFALFA SD-NE ORIGIN

Common Alfalfa is a winter hardy alfalfa grown and adapted in the state of origin, but is of an unknown variety or varieties. It is usually not noted for high yields but is usually lower in price.



Ratings are based on average performance of the variety over a wide range of climate and soil types. 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.



ALFALFA

FALL DORMANCY:

The reaction of alfalfa varieties to decreasing day length and temperatures in the fall versus check varieties.
1 = Norseman | 2 = Vernal | 3 = Ranger | 4 = Saranac | 5 = Archer, etc.

PEST RESISTANCE RATINGS:

S = Susceptible with 0-5% resistant plants
LR = Low Resistance with 6-14% resistant plants
MR = Moderate Resistance with 15-30% resistant plants
R = Resistance with 31-50% resistant plants
HR = High Resistance with greater than 50% resistant plants

WISCONSIN DISEASE RATING INDEX:

For the six major diseases of alfalfa, a variety is awarded:
HR = 5 points | R = 4 points | MR = 3 points
LR = 2 points | S = 1 point | Perfect Score = 30 of 30

WINTER HARDINESS INDEX:

1 = Most hardy and least winter injury
6 = Least hardy and injury resulting in plant death
Ratings are in relationship to the winter injury incurred by standard check varieties.

ALFALFA SEED BED SUGGESTIONS

A firm seedbed is one of the main requirements for stand establishment when planting alfalfa or grasses. A loose seedbed causes nothing but problems when starting alfalfa. A firm seedbed provides soil-to-seed contact to wick moisture and nutrients to the seed. The seedbed needs to be packed with a roller.

When planting warm-season grasses you should use a grassland drill or some kind of a drill that has an agitator in the seed box, because the seeds are fluffy and difficult to move through the drill.

A common way of seeding alfalfa is with an oats companion crop which decreases erosion while the alfalfa is getting established. The oats can be clipped for forage and the process does suppress weeds. A disadvantage of an oats cover crop is the competition the oats presents to the alfalfa seedlings for light, moisture and nutrients. The companion crop may preclude before harvesting alfalfa the seeding year.

